Remedial Investigation Work Plan (RIWP)

2828 West 28th Street
Brooklyn, New York

January 5, 2026

Prepared for:

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Certification

I, Frank Cherena, certify that I am currently a Qualified Environmental Professional as defined in 6 New York Codes, Rules and Regulation (NYCRR) Part 375 and that this Remedial Investigation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010 (DER-10) and Green Remediation (DER-31).

Frank Cherena, PG	January 5, 2026	
Qualified Environmental Professional	Date	Signature

1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of SPN Senior Living LLC (the "Volunteer"), has prepared this Remedial Investigation Work Plan (RIWP) for the Sea Park North property located at 2828 West 28th Street, Brooklyn, New York (Site), as shown on **Figure 1**. The Site is approximately 40,240 square feet (SF) and is identified as Block 7011, Lot 11 on the Brooklyn Tax Map (**Figure 2**). The Site will be properly investigated and remediated under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (NYS BCP) site #C224434.

Currently, the Site is occupied by an asphalt parking lot for the adjacent 15-story, 180,000 gross square foot (GSF) residential building. Historically, Block 7011, Lot 11 included the footprint of the adjacent residential building, however, the lot was split into Lot 11 (containing the parking lot and NYS BCP Site) and Lot 55 (containing the adjacent residential building) as of April 2025. The proposed redevelopment plan includes the construction of a new 8-story, 250-unit 100% affordable senior housing slab-on-grade building. The new building footprint will be approximately 22,316 SF with a new surface parking lot area and outdoor recreation space surrounding the new building. The ground floor of the building will include utility and storage rooms, as well as parking spaces for the proposed and current buildings. The proposed redevelopment does not include the construction of a subgrade cellar.

The Volunteer initiated remediation through the New York City Office of Environmental Remediation (OER) Voluntary Cleanup Program for the Hazardous Materials (Haz Mat) E-Designation at the Site. An OER RIWP was prepared in August 2024 and an OER Remedial Investigation (RI) was implemented in September 2024. Following completion of the OER RI, the Volunteer opted for entry into the NYS BCP and was accepted into the NYS BCP as a Volunteer on October 6, 2025. Further details regarding the OER RIWP and the OER RI are included in Section 2.2.

This RIWP has been prepared in accordance with NYSDEC procedures set forth in the document titled DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010 (DER-10), the New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006, with updates including February 2024) and *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs* (April 2023), and complies with all applicable Federal, State, and local laws, regulations, and requirements. The purpose of the RI is to identify the nature and extent of the contamination at the Site and to fill any potential data gaps in past investigations to determine the appropriate remediation for the Site. The planned RI includes an investigation of soil; to further characterize environmental media at the Site; to qualitatively assess the potential exposure of receptors to Site contaminants; and to develop any other additional data necessary to support the development of a Remedial Action Work Plan (RAWP).

2. Site Background

This section provides pertinent background information, including a description of the Site and its setting, the history of the Site, and the results of the previous environmental work conducted at the Site.

2.1 Site Description and Setting

A Site Location Map and Tax Map are included as **Figures 1 and 2**, respectively. A summary of the property information is provided below.

Property Location	
Property Name:	Sea Park North
Property Address:	2828 West 28th Street
Property Town, County, State:	Brooklyn, New York
Property Tax Identification:	Brooklyn Block 7011, Lot 11
Property Topographic Quadrangle:	United States Geological Survey - Coney Island, New York
Nearest Intersection:	Neptune Avenue and W 28th Street
Area Description:	The Site is adjoined by residential properties to the east and west, a commercial property and Kaiser Park to the north, and mixed-use residential properties to the south.

A map showing an aerial view of the existing conditions is provided as **Figure 3**.

Property Information	
Property Size:	40,240 SF
Property Use:	The Site was most recently utilized as a residential building and parking lot.
Improvements:	The majority of the Site is paved with asphalt and concrete, with limited areas of landscaping.

2.1.1 Historical Site Operations

According to the Phase I Environmental Site Assessment (ESA) prepared by Hillman Consulting dated September 2022 (Hillman Phase I ESA) and review of Sanborn Fire Insurance Maps (Sanborn Maps) and the City Directory Abstract, the Site was improved with multiple dwellings and stores from 1930 to 1968. Between 1968 and 1977, the dwellings and stores were demolished, and by 1977, the Site is depicted in its current configuration, including the adjacent residential building to the east listed as Coney Island Housing Site 7 Building 10. Prior to 1977, the former occupants listed in the City Directory Abstract were multiple residential occupants.

2.1.2 Neighboring Properties

The Site is bounded by the following properties, as summarized in the table below. Adjacent property owners are shown in **Figure 4** and land use and sensitive receptors around a 0.25 mile radius is shown in **Figure 5**.

There are no NYS BCP sites located in close proximity to the Site. No upgradient sites of environmental concern were identified in the Environmental Database Resources Radius Map included in the Hillman Phase I ESA. The majority of the surrounding and upgradient listings consisted of minor release cases which have been closed to the satisfaction of the NYSDEC with no further action.

During a previous geophysical survey at the Site, a storm drain grate was identified within the parking lot and was assumed to be connected to the public sewer system (**Appendix A**). According to the Hillman Phase I ESA, sanitary sewage generated at the adjacent buildings is discharged via a connection to the local public sewer system and stormwater runoff is discharged via roof drains into the municipal sewer system. The NYC Open Data Sewer Atlas shows that the Site is located within the Coney Island Sewershed and an interceptor sewer line is located to the north of the Site.

Adjacent Property Direction	Property Use
North	Beth Shalom Ministries Church, Neptune Avenue and Kaiser Park
South	Mixed-Use Commercial and Residential Buildings and Mermaid Avenue
East	West 28th Street, Residential Buildings and the United States Postal Service
West	Residential Buildings and West 29th Street

2.1.3 Topography/Hydrogeology/Geology

The land surface elevation is generally flat across the Site, at approximately 6 feet (ft) North American Vertical Datum of 1988 (NAVD88). A Site Survey is included in **Appendix B.** Based on prior investigations, surface soils at the Site consist of a layer of fill material ranging from 4 to 6 ft. The fill material is underlain by greyish brown poorly sorted sands with little to trace amounts of gravel to a maximum boring depth of 14 feet below land surface (ft bls). A geologic cross section is included as **Figure 6**, using soil borings advanced during the OER RI. Additionally, a Geotechnical Report was prepared by Mueser Rutledge Consulting Engineers (MRCE), dated February 23, 2024 (2024 Geotechnical Investigation). The 2024 Geotechnical Investigation identified a fill soil stratum above native material with thicknesses ranging approximately 3 to 7 ft bls, generally aligning with the observations made by Roux during the OER RI. The MRCE Geotechnical Report is included in **Appendix C**.

Bedrock was not encountered during previously completed environmental investigations at the Site and is expected to be encountered at approximately 600 ft bls.

Groundwater was encountered at approximately 6.00 to 6.90 ft bls or -0.78 ft to -0.98 ft relative to NAVD88 in permanent monitoring wells measured during the OER RI by Roux. Permanent monitoring wells were installed to depths ranging from 13 to 14 ft bls. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in **Figure 7**. Groundwater flow is from north to south.

2.1.4 Wetland Areas and Surface Water Bodies

According to the online United States Fish and Wildlife Service National Wetlands Inventory Mapper, the Site is not located in, or adjacent to, regulated wetlands. The closest surface water body is Coney Island Creek, located approximately 0.25 miles to the north. The Site appears in a special flood hazard area subject to inundation by the 1% annual chance flood (100-year flood) according to online Federal Emergency Management Act maps.

2.1.5 Fish, Wildlife and Ecological Resources

The Coney Island Creek, which is a part of the Lower New York Bay, is located approximately 0.16 miles north of the site and is identified as a NYSDEC Regulatory Tidal Wetlands Area. The Lower New York Bay has been previously assessed by the NYSDEC, as summarized in the Lower New York Bay (#1701-0004) fact sheet, as an impaired waterbody due to fish consumption that is impaired by polychlorinated biphenyl (PCBs) and dioxin and receives urban stormwater runoff pollutants from combined sewer overflows, sanitary sewer overflows, and illegal (unpermitted) sanitary discharges. No additional fish, wildlife, or ecological resources have been identified. Additionally, Gravesend Bay properties along Coney Island Creek in the early 1900s have historically been utilized for industrial and manufacturing purposes including manufacturing gas plants (MGPs), railways, and storage for coal, coke and fuel oil. Upgradient of the site, the Coney Island Creek has known MGP coal tar impacts.

There are no contaminants of ecological concern at the Site and no direct exposure pathways exist. According to Section 3.10 of DER-10, and the Fish and Wildlife Resources Impact Analysis Decision Key in DER-10 Appendix 3C, a Fish and Wildlife exposure assessment is not needed for this Site.

2.2 Results of Previous Environmental Investigations

A summary of the following environmental investigations previously conducted at the Site are included below. The Hillman Consulting Phase I ESA encompassed the entirety of former Lot 11; however the subsequent due diligence sampling was conducted in a portion of present Lot 11, which aligns with the boundaries of the Site. As described in Section 1, an OER RIWP was prepared in August 2024 and the subsequent OER RI was implemented in September 2025. A summary of the analytical data from the OER RI is included below. The previously completed Phase I ESA, Due Diligence Soil Sample Collection letter report and OER RWIP are included in **Appendix C**.

- **ASTM Phase I ESA Report**, prepared by Hillman Consulting, dated September 19, 2022;
- **Due Diligence Soil Sample Collection Letter Report**, prepared by Hillman Consulting, dated September 27, 2022;
- **Phase II Work Plan**, prepared by Roux, dated August 5, 2024; and
- **OER Remedial Investigation**, completed by Roux in September 2024.

The proposed Site redevelopment plan is considered a restricted residential use, therefore the soil data from the previous investigations have been compared to NYSDEC Restricted Residential Use Soil Cleanup Objectives (RRSCOs), Unrestricted Use SCOs (UUSCOs), and Protection of Groundwater SCOs (PGWSCOs) in order to develop an appropriate exposure assessment and remedial investigation scope.

2.2.1 Phase I Environmental Site Assessment Report, prepared by Hillman Consulting (Hillman), dated September 19, 2022

The Site was the subject of a Phase I ESA conducted by Hillman Consulting in September 2022. The Hillman Phase I ESA encompasses all of former Lot 11. No onsite recognized environmental conditions were identified during this Phase I ESA. There was one significant data gap identified during the Phase I ESA, which was the lack of closure reports associated with an existing underground storage tank (UST) documenting the presence or absence of impacts to underlying environmental media upon closure of an onsite UST in 2005. The Phase I ESA reports that the UST is located within the existing playground area

associated with the existing 15-story building, which is outside of the proposed redevelopment and outside of the boundaries of the Site.

2.2.2 Due Diligence Soil Sample Collection Letter Report, prepared by Hillman, dated September 27, 2022

Hillman Consulting completed due diligence soil sampling in a portion of present Lot 11, as summarized in a letter report dated September 27, 2022. The due diligence soil sampling included collection of three soil samples from three soil borings from 4.5 – 6.5 ft bls. Soil samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), total analyte list (TAL) metals, pesticides, and PCBs. Sample results were compared to NYSDEC UUSCOs and RRSCOs. There were no detections of any compounds exceeding either standard.

2.2.3 Phase II Work Plan, completed by Roux, August 2024

A Phase II Work Plan (OER RIWP) was developed in response to Phase I ESA findings and as per meetings between the project team and OER. The proposed OER RIWP work scope included a geophysical survey, a soil, groundwater, and soil vapor sampling summary, and preparation of an investigation Health and Safety Plan (HASP). The proposed sampling would provide general horizontal/vertical characterization across the Site for development purposes. The OER RIWP proposed the installation of ten soil borings with two soil samples collected from each boring – a surface soil sample (from the 0-2 ft bls interval) and subsurface soil sample (from the 4 to 6 ft bls interval representing the 2-ft interval below the deepest excavation depth). The OER RIWP proposed the installation of six groundwater monitoring wells (three 1-inch diameter temporary monitoring wells and three 2-inch permanent monitoring wells) and groundwater samples would be collected. The OER RIWP also proposed the installation of nine soil vapor implants set to a minimum of 2 feet above the observed water table and the collection of nine parent soil vapor samples. Additionally, the RIWP included quality assurance/quality control (QA/QC) procedures to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for the proposed investigation. In accordance with DER-10, QA/QC samples proposed included field and trip blanks, duplicates, and matrix spike/matrix spike duplicates (MS/MSDs) to be analyzed by an Environmental Laboratory Approval Program (ELAP)-certified laboratory.

2.2.4 OER Remedial Investigation, completed by Roux, September 2024

Roux performed the following scope of work per the OER RIWP at the Site over the course of September 9 through 16, 2024:

- Conducted a Site inspection to identify potential physical obstructions (i.e., structures, buildings, etc.);
- Conducted a geophysical survey to identify potential subsurface utilities (**Appendix A**);
- Installed ten soil borings across the entire project Site and collected 21 soil samples, including a duplicate, for chemical analysis from the soil borings to evaluate soil quality;
- Installed three temporary groundwater monitoring wells and three permanent groundwater monitoring wells throughout the Site to establish groundwater flow and collected seven groundwater samples, including a duplicate, for chemical analysis to evaluate groundwater quality;
- Installed nine soil vapor probes and collected ten samples, including a duplicate, for chemical analysis; and
- Collection of QA/QC samples (field blanks, trip blanks, duplicates, and MS/MSDs) in accordance with DER-10.

Roux subcontracted Coastal Environmental Solutions Inc. to complete the drilling, well installation, and soil vapor point installation during the OER RI. Soil analytical data is summarized in **Tables 1 through 6**, groundwater analytical data is summarized in **Tables 7 through 12**, and soil vapor analytical data is summarized in **Table 13**. Soil, groundwater, and soil vapor analytical data exceeding the applicable Standards, Criteria, or Guidance (SCGs) is summarized in **Figures 8 through 10**. Soil boring logs, groundwater sampling forms and soil vapor sampling forms from the OER RI are included as **Appendix D**. The soil samples collected were compared to the NYSDEC Part 375 UUSCOs, RRSCOs, and PGWSCOs. The groundwater samples collected were compared to NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). All laboratory analytical reports are included as **Appendix E**.

Soil

A Geoprobe® 7720DT direct push rig was utilized at the Site during the OER RI and involved the advancement of a two-inch Macro-Core® into an undisturbed formation using downward pressure. The soil boring locations were chosen to gain representative soil, groundwater, and soil vapor quality information across the Site. A total of ten soil borings were installed at the locations shown on **Figure 11** as part of the OER RI. Four soil borings were installed to 6 ft bls and six soil borings were installed to 13-14 ft bls, dependent on the observed groundwater table elevation at these locations. All ten soil borings were precleared to 5 ft bls using hand tools (posthole digger, hand auger, etc.) to verify that no underground utilities/obstructions were present at the boring locations. During soil boring installation, all recovered soils were field screened for organic vapors using a photoionization detector (PID). All soils were visually inspected for evidence of impacts (odors, staining, and visible free product) and the lithology was recorded according to the Unified Soil Classification System (USCS).

Two soil samples were collected from each of the soil borings, from the 0-2 ft bls surface interval and from the 4-6 ft bls interval representing the 2-ft interval below the deepest proposed excavation depth. Twenty soil samples, and one duplicate, were collected for chemical analysis during the OER RI and were submitted to Eurofins Environment Testing Northeast, LLC (Eurofins), a NYSDOH ELAP laboratory and analyzed for NYSDEC Part 375 VOCs via United States Environmental Protection Agency (EPA) Method 8260D, NYSDEC Part 375 SVOCs + 1,4-dioxane via EPA Method 8270E, Part 375 Metals via EPA Method 6020B + mercury via EPA Method 7470A, hexavalent/trivalent chromium via EPA Method 7196A, total cyanide via EPA Method 9012B, PCBs via Method 8082A, and NYSDEC Part 375 pesticides via EPA Method 8081B. One soil sample (RXSB-5_0-2), was collected for PFAS via EPA Method 1633. Tables summarizing the soil analytical data collected as part of the OER RI are included as **Tables 1** through **6**. Soil boring locations with exceedances of the NYSDEC SCOs are shown on **Figure 8**. Results with a "J" qualifier are estimated values. The following sections describe the analytical results of samples collected during the OER RI:

VOCs in Soil

No VOCs were detected in soil exceeding any of the SCOs.

SVOCs in Soil

Analyte	NYSDEC Unrestricted Use SCOs (milligrams per kilogram [mg/kg])	Detections above NYSDEC Unrestricted Use SCOs	NYSDEC Protection of Groundwater SCO (mg/kg)	Detections above NYSDEC Protection of Groundwater SCOs	NYSDEC Restricted Residential SCOs (mg/kg)	Detections above NYSDEC Restricted Residential SCOs	Range in Concentration Above NYSDEC SCOs (mg/kg)	Soil Sample with Maximum Detection
Benzo[a]anthracene	1	10	1	10	1	10	1.3 – 5.6	RXSB-9_4-6
Benzo[a]pyrene	1	11	22	0	1	11	1.1 – 5.1	RXSB-9_4-6
Benzo[b]fluoranthene	1	14	1.7	9	1	14	1.1 – 7.0	RXSB-9_4-6
Benzo[k]fluoranthene	0.8	8	1.7	3	3.9	0	0.96 – 2.5	RXSB-9_4-6
Chrysene	1	11	1	1	3.9	11	1.2 – 5.6	RXSB-9_4-6
Dibenzo[a,h]anthracene	0.33	4	1,000	0	0.33	4	0.37 – 1.6	RXSB-2_0-2
Indeno[1,2,3-cd]pyrene	0.5	16	8.2	0	0.5	16	0.53 – 3	RXSB-9_4-6

Metals in Soil

Analyte	NYSDEC Unrestricted Use SCO (mg/kg)	Detections above NYSDEC Unrestricted Use SCOs	NYSDEC Protection of Groundwater SCO (mg/kg)	Detections above NYSDEC Protection of Groundwater SCOs	NYSDEC Restricted Residential SCOs (mg/kg)	Detections above NYSDEC Restricted Residential SCOs	Range in Concentration Above NYSDEC SCOs (mg/kg)	Soil Sample with Maximum Detection
Arsenic	13	1	16	1	16	1	17.5	RXSB-2_0-2
Barium	350	11	820	2	400	8	357 – 2,450	RXSB-2_0-2
Cadmium	2.5	2	7.5	1	4.3	1	2.7 – 17.7	RXSB-2_0-2
Copper	50	4	1,720	0	270	1	61.2 – 813	RXSB-2_0-2
Trivalent Chromium	30	1	-	-	180	1	382	RXSB-2_0-2
Hexavalent Chromium	1	2	19	0	110	0	1.5 J	RXSB-2_0-2
Chromium, Total	30	1	-	-	180	1	383	RXSB-2_0-2
Lead	63	20	450	10	400	12	111 – 9,060	RXSB-2_0-2
Mercury	0.18	11	0.73	2	0.81	2	0.19 – 8.6	RXSB-2_0-2
Nickel	30	1	130	1	310	1	391	RXSB-2_0-2
Zinc	109	19	2,480	1	10,000	1	146 – 11,500	RXSB-2_0-2

PCBs in Soil

Analyte	NYSDEC Unrestricted Use SCO (mg/kg)	Detections above NYSDEC Unrestricted Use SCOs	NYSDEC Protection of Groundwater SCO (mg/kg)	Detections above NYSDEC Protection of Groundwater SCOs	NYSDEC Restricted Residential SCOs (mg/kg)	Detections above NYSDEC Restricted Residential SCOs	Range in Concentration Above NYSDEC SCOs (mg/kg)	Soil Sample with Maximum Detection
PCBs	0.1	2	3.2	1	1	1	0.18 – 3.9	RXSB-2_0-2

Pesticides in Soil

Analyte	NYSDEC Unrestricted Use SCO (mg/kg)	Detections above NYSDEC Unrestricted Use SCOs	NYSDEC Protection of Groundwater SCO (mg/kg)	Detections above NYSDEC Protection of Groundwater SCOs	NYSDEC Restricted Residential SCOs (mg/kg)	Detections above NYSDEC Restricted Residential SCOs	Range in Concentration Above NYSDEC SCOs (mg/kg)	Soil Sample with Maximum Detection
P,P,-DDD	0.0033	2	14	0	13	0	0.012 – 0.066	RXSB-5_4-6
P,P,-DDE	0.033	9	17	0	8.9	0	0.004 J – 0.021	RXSB-5_4-6
P,P,-DDT	0.0033	12	136	0	7.9	0	0.0034 J – 0.027	RXSB-4_0-2

PFAS in Soil

NYSDEC has published soil guidance values (GVs), not SCOs for two PFAS compounds: perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS). These guidance values were used to evaluate concentrations of these two compounds only. There were no detections of PFOA or PFOS exceeding any GVs.

Groundwater

Six monitoring wells were installed during the OER RI; three temporary monitoring wells and three permanent monitoring wells. The temporary monitoring wells were constructed using 1-inch diameter polyvinyl chloride (PVC) piping. The bottom 10 ft of the temporary monitoring wells were constructed of 0.002-inch slotted screen PVC. The permanent monitoring wells were constructed using 2-inch diameter PVC piping and 5 ft of 0.002-inch slotted PVC screen. The screened section of PVC was installed to straddle the water table, with a minimum of three feet of screen left above the water table, in order to capture any potential fluctuations in groundwater elevation. The monitoring wells were purged long enough to ensure that recharge was occurring and that there were viable water columns for groundwater sample collection.

A total of seven groundwater samples (six samples and one duplicate groundwater sample) were collected from the six soil boring locations that were converted to monitoring wells. Groundwater samples were submitted to Eurofins and analyzed for NYSDEC Part 375 VOCs via EPA Method 8260D, NYSDEC Part 375 SVOCs + 1,4-dioxane via EPA Method 8270E SIM, Part 375 Metals via EPA Method 6020B + mercury via EPA Method 7470A, hexavalent/trivalent chromium via EPA Method 7196A, total cyanide via EPA Method 9012B, PCBs via Method 8082A, and NYSDEC Part 375 pesticides via EPA Method 8081B. Three groundwater samples (RXSB-1, RXSB-5 and RXSB-6) were collected for PFAS via EPA Method 1633. Tables summarizing the groundwater analytical data collected as part of the OER RI are included as

Tables 7 through **12**. Groundwater sampling locations with exceedances of the NYSDEC AWQSGVs are shown on **Figure 9**. The following Site conditions were identified:

No VOCs, SVOCs, PCBs, or pesticides were detected above AWQSGVs in any sample.

Metals in Groundwater

Analyte	NYSDEC AWQSGVs (micrograms per liter [µg /L])	Detections above NYSDEC AWQSGVs	Range in Concentration Detections (µg/L)	Sample with Maximum Detection
Antimony, Dissolved	3	1	4.7	RXMW-1
Iron, Total	300	5	338 – 1,570	RXTW-3
Iron, Dissolved	300	4	407 – 2,730	RXMW-5
Magnesium, Total	35,000	2	68,600 – 68,900	RXMW-6 (Duplicate)
Magnesium, Dissolved	35,000	3	45,000 – 73,300	RXMW-6 (and its Duplicate)
Sodium, Total	20,000	5	24,400 – 323,000	RXTW-2
Sodium, Dissolved	20,000	7	28,200 – 358,000	RXMW-6

The above metals are naturally occurring in brackish groundwater occurring near saltwater bodies.

PFAS in Groundwater

Analyte	NYSDEC AWQSGVs (ug/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Detections (µg/L)	Sample with Maximum Detection
Perfluorooctanesulfonic acid (PFOS)	0.0027	3	0.0153 – 0.0329	RXMW-5
Perfluorooctanoic acid (PFOA)	0.0067	3	0.0208 - 0.377	RXMW-1

Soil Vapor

Nine soil vapor probes were installed and ten soil vapor samples, including one duplicate, were collected and analyzed for VOCs via TO-15 during the OER RI. Low-level concentrations of multiple petroleum-related and chlorinated VOCs were detected in all ten soil vapor samples. A table summarizing the soil vapor analytical data collected as part of the OER RI is included as **Table 13**. Soil vapor point locations summarizing all detections are shown on **Figure 10**.

Regulatory guidance on soil vapor and indoor air quality is presented in Matrices A, B, C, D, E, and F from the NYSDOH Center for Environmental Health Bureau of Environmental Exposure Investigation Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (Updated February 2024). The matrices are designed for evaluation of sub-slab and indoor samples and not for pre-development soil vapor sampling, therefore the Site soil vapor detections cannot be compared to the applicable matrices. Detections of the Matrix A through F compounds are summarized below. Results with a "J" qualifier are estimated values. Results with a "D" qualifier means the concentration of the analyte was quantified from diluted analysis.

Matrix A

- Carbon tetrachloride was detected in six soil vapor samples at concentrations ranging from 0.14 J micrograms per cubic meter (ug/m^3) J to 0.21 J ug/m^3, with the maximum detection at RXWV-3 and RXSV-6.
- Trichloroethene (TCE) was detected in four soil vapor samples at concentrations ranging from 0.15 J ug/m^3 to 0.41 ug/m^3, with the maximum detection in soil vapor sample RXSV-3.
- 1,1-dichloroethene (1,1-DCE) and cis-1,2-dichloroethene (cis-1,2-DCE) were not detected in any soil vapor sample collected as part of the OER RI.

Matrix B

- 1,1,1-trichloroethane (1,1,1-TCA) was detected in two soil vapor samples at concentrations ranging from 0.43 J µg/m^3 to 0.61 J µg/m^3, with the maximum detection in soil vapor sample RXSV-8.
- Tetrachloroethene (PCE) was detected in all ten soil vapor samples at concentrations ranging from 0.82 J µg/m^3 to 44 µg/m^3, with the maximum detection in soil vapor sample RXSV-5.
- Methylene chloride was not detected in any soil vapor sample collected as part of the OER RI.

Matrix C

- Vinyl chloride was not detected in any soil vapor sample collected as part of the OER RI.

Matrix D

- 1,2,4-Trimethylbenzene was detected in nine samples, including the duplicate at concentrations ranging from 0.92 J µg/m3 to 370 D µg/m3, with the maximum detection in soil vapor sample RXSV-8.
- 1,3,5-Trimethylbenzene was detected in nine samples, including the duplicate, at concentrations ranging from 0.5 J µg/m3 to 150 µg/m3, with a maximum detection in soil vapor sample RXSV-8.
- Isooctane (2,2,4-Trimethylpentane) was detected in nine samples, at concentrations ranging from 0.2 J µg/m3 to 1.2 µg/m3, with the maximum detection in soil vapor sample RXSV-8.
- Benzene was detected in all ten samples, at concentrations ranging from 0.45 J µg/m3 to 1.8 µg/m3, with the maximum detection in soil vapor sample RXSV-9.
- Cyclohexane was detected in four samples, at concentrations ranging from 0.2 J µg/m3 to 0.43 J µg/m3, with the maximum detection in soil vapor sample RXSV-9.
- Ethylbenzene was detected in eight samples, at concentrations ranging from 0.42 J µg/m3 to 4.1 µg/m3, with the maximum detection in soil vapor sample RXSV-8.
- Naphthalene was detected in one sample, RXSV-8, at a concentration of 4.2 µg/m3.
- O-Xylene was detected in nine samples, including the duplicate, at concentrations ranging from 0.42 J µg/m3 to 19 µg/m3, with the maximum detection in soil vapor sample RXSV-8.

Matrix E

- m,p-xylene was detected in nine samples, including the duplicate, at concentrations ranging from 0.76 J µg/m3 to 17 µg/m3, with the maximum detection in soil vapor sample RXSV-8.
- N-heptane was detected in all ten samples at concentrations ranging from 0.47 J µg/m3 to 49 µg/m3, with the maximum detection in soil vapor sample RXSV-9.
- N-hexane was detected in six samples at concentrations ranging from 0.67 J µg/m3 to 76 µg/m3, with the maximum detection in soil vapor sample RXSV-9.

Matrix F

- Toluene was detected in all ten samples at concentrations ranging from 0.55 J µg/m^3 to 9.8 µg/m^3 with the maximum detection in soil vapor sample RXSV-8.

It should be noted that all samples collected during the OER RI be reviewed for QA/QC and a Data Usability Summary Report (DUSR) will be prepared for the proposed RI in accordance with NYSDEC standards to be included in the final RI Report (RIR).

3. Objectives, Rationale, and Scope of Work

On behalf of the Volunteer, Roux has developed the following RI scope of work that is intended to satisfy NYS BCP requirements to delineate the nature and extent of contamination and allow for effective evaluation of multiple NYS BCP cleanup track alternatives. Data collected during the RI will determine the basis for future Remedial Actions for the Site.

To date, environmental conditions at the Site have been well characterized from comprehensive previous environmental investigations. During the previously completed investigations, a geophysical survey was completed and a total of 24 soil samples were collected from ten soil boring locations, seven groundwater samples were collected from three permanent monitoring wells and three temporary monitoring wells, and ten soil vapor samples were collected. The soil sampling results identified exceedances above SCOs primarily in the fill material layer, and elevated metals and PCB exceedances above UUSCOs, RRSCOs, and PGWSCOs detected at the RXSB-2 boring location suggest that there is a hot spot that requires further delineation. The groundwater exceedances observed above AWQSGVs were minimal and align with conditions which naturally occur in brackish groundwater near saltwater bodies. Additionally, NYSDOH soil vapor matrix compounds were detected at low levels in the soil vapor samples collected. The proposed RI aims to further delineate the elevated metals and PCBs in the area as well as fill in data gaps related to delineation of the nature and extent of fill materials and evaluating the presence of emerging contaminants (ECs; 1,4-Dioxane and PFAS). As a result of the previous investigations, the following areas of concern (AOCs) have been identified at the Site as shown on **Figure 11**:

- AOC-1: Elevated Metals and PCBs (located in the area surrounding RXSB-2); and
- AOC-2: Supplemental delineation of nature and extent of fill materials and evaluating the presence of ECs (located in the remainder of the Site boundary).

Based on the compiled data from these Site investigations, the following scope of work has been developed.

SCGs for soil at NYS BCP Sites are the numerical SCOs presented in 6 NYCRR Part 375-6.8(a) and (b). The SCOs are categorized into unrestricted and restricted use (residential, restricted-residential, commercial, or industrial) criteria, as well as criteria for protection of groundwater and ecological resources (which can also be satisfied by application of the unrestricted use criteria). The applicability of each category of SCOs is determined based upon the current and reasonably anticipated future use of the Site, as well as cleanup tracks being evaluated. Based on the anticipated future use of the Site as a 100% affordable residential building, the applicable standards are UUSCOs if a Track 1 remedy is contemplated, or RRSCOs if a Track 2 or Track 4 remedy is contemplated.

3.1 Objectives and Relationship to RAWP

Based on the analytical results from the previously completed investigations at the Site, the nature and extent of impacts to soil associated with contaminated fill material from an unknown source to fill out the Coney Island neighborhood has largely been delineated during the previous investigations, however further investigation is still warranted. The primary contaminants of concern (COCs) in soil are SVOCs, metals, and PCBs. The objectives of this RIWP are to:

- Delineate the nature and extent of elevated metals and PCB surrounding the RXSB-2 hot spot (AOC-1);

- Delineate the nature and extent of impacts of fill materials and evaluating the presence of ECs across the Site (AOC-2); and
- Complete a qualitative human health exposure assessment (EA) by evaluating the existing potential exposure pathways for Site-related contaminants both on and offsite and based on the reasonably anticipated future land use of the Site and affected offsite areas.

The data collected as part of previous investigations evaluated soil, groundwater, and soil vapor impacts onsite and at the property boundaries to provide the basis for remedial action selection and to determine the potential for offsite impacts. The soil sampling scope of work to be completed during the RI will supplement the previous investigation data. Environmental data collected will be used to qualitatively assess the potential exposure of receptors to Site contaminants and develop the information necessary to support the development of a RAWP.

3.2 Remedial Investigation Scope

The proposed scope of work was developed in an effort to fill in data gaps for fill material impacts and potential EC contamination across the Site and to delineate the elevated metals and PCB hot spot area of the Site that were not previously investigated during the previously completed investigations so that, together with the previously collected data, the entire Site will be sufficiently characterized to support the development of the Site-wide RAWP. The results of the 24 soil samples, 5 groundwater samples, and 9 soil vapor samples collected during previous investigations will be included in the RIR and will be reviewed for QA/QC and a DUSR will be prepared along with the newly collected data as part of the proposed RI.

To accomplish this, the RI will focus on the following:

- The performance of Site reconnaissance to confirm proposed sampling locations;
- The advancement of four soil borings in AOC-1 to delineate the nature and extent of metals and PCB contamination surrounding previous soil boring location RXSB-2, and the collection of four soil samples for laboratory analysis;
- The collection of one Toxicity Characteristics Leaching Procedure (TCLP) lead analysis soil sample at the soil boring located at the previously completed RXSB-2 in AOC-1 to determine the presence of lead concentration in excess of the RCRA regulatory limits;
- The collection of four surface soil samples (two at RXSB-15 in AOC-1 and two at RXSB-17 in AOC-2) in existing landscaped areas or where soil is present for the purpose of an exposure evaluation;
- The advancement of five soil borings in AOC-2, and the collection of 9 soil samples for laboratory analysis;
- The collection of three groundwater samples from existing monitoring wells in AOC-2 (RXMW-1, RXMW-5 and RXMW-6) for laboratory analysis;
- The installation of six soil vapor monitoring points in AOC-2 for sample collection and laboratory analysis;
- Collection of QA/QC samples (field blanks, trip blanks, duplicates, and MS/MSDs) and preparation of a DUSR will be prepared in accordance with DER-10;
- The collection of supplemental soil data sufficient to define the nature and extent of impacted media; and
- The performance of a qualitative exposure assessment to identify exposure pathways and evaluate contaminant fate and transport.

The overall scope of each component of the RI is discussed in the following subsections. The proposed RI Sampling Locations are shown on **Figure 11** of this RIWP and additional information including intervals to be sampled and sample rationale is provided in the Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP) (**Appendix F**). Detailed field sampling procedures are also provided in the FSP.

3.2.1 Site Reconnaissance

Roux has reviewed the previously completed environmental reports and has identified potential COCs, described in Section 3.1, which will be targeted with additional soil samples during the RI. Roux will perform a Site reconnaissance prior to the implementation of the subsurface investigation. An inspection of the existing Site conditions will be conducted to determine final sampling locations based on actual field conditions. As discussed in Section 2.2, geophysical surveys have been previously completed at the Site (**Appendix A**), therefore an additional geophysical survey is not included in the RI scope of work. The current layout of the proposed sampling locations, as shown in **Figure 11**, was developed to provide coverage across the entire Site footprint. Based on the Site reconnaissance, the layout of proposed sampling locations may change. If proposed sampling locations are adjusted more than 10 ft from their original location on **Figure 11**, Roux will notify NYSDEC prior to installation or sampling.

3.2.2 Soil Investigation

A total of 18 soil samples are proposed to be collected for laboratory analysis from the ten soil borings that will be advanced at the locations shown in **Figure 11** as part of the RI. This data is intended to supplement the 24 soil samples collected as part of previous investigations at the Site. All OER RI data and data collected during the proposed RI will be validated by a third-party data validator, who will prepare a DUSR.

In AOC-1, in order to delineate contamination surrounding the RXSB-2 hot spot, four delineation soil borings (RXSB-11 through RXSB-14) will be advanced to 2 ft bls to the north, south, east, and west approximately 5 feet away from the initial RXSB-2 location. Additionally in AOC-1, a sample will be collected from RXSB-15 to determine the presence of lead concentration in excess of the RCRA regulatory limits at the location of previous soil boring RXSB-2. Previous boring RXSB-2 yielded a total lead concentration of 9,060 mg/kg during the OER RI. One soil sample will be collected from RXSB-15 at the 0 - 2 ft bls interval and analyzed for TCLP lead. Should the samples yield hazardous levels of lead in soil, additional delineation will be completed as part of the waste characterization of the Site.

In AOC-2, five borings (RXSB-15 though RXSB-19) will be advanced to approximately 2 ft bls past the observation of native soil to investigate for potential fill material and EC contamination. During the OER-RI, soil sampling results identified exceedances above SCOs primarily in the fill material layer. Additionally, one EC soil sample was collected at RXSB-5 from the 0-2 ft bls interval, and no exceedances were observed above the GVs. To further investigate potential fill material and EC contamination, each boring location will be completed to a depth of 2 ft bls past the observation of native soil utilizing a Geoprobe®. Two soil samples will be collected from each soil boring, one from the shallow 0-2 ft bls interval and the second from the 2-ft interval with the exhibiting the highest evidence of impact such as elevated PID detections, odors, or staining, or the 2-ft interval directly above the observed water table. Soil will be collected as summarized below.

AOC Location	Boring ID To Be Sampled	Target Soil Sample Depths (ft bls)	Rationale	Analyses
AOC-1	RXSB-11 through RXSB-14	0-2 feet	Delineate the nature and extent of metals and PCB contamination surrounding previous soil boring location RXSB-2.	TAL/NYSDEC Part 375 Metals, total cyanide, hexavalent/trivalent chromium and PCBs
AOC-1	RXSB-15	0-2 inches	A surface soil sample will be collected from a depth of 0-2 in the existing landscaped areas or where soil is present; for the purpose of exposure evaluation.	Target Compound List (TCL)/NYSDEC Part 375 SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium
		2-6 inches	A surface soil sample will be collected from a depth of 2-6 inches in the existing landscaped areas or where soil is present; for the purpose of exposure evaluation.	TCL/NYSDEC Part 375 VOCs
		0-2 feet	Determine the presence of lead concentrations in excess of RCRA regulatory limits at RXSB-2.	TCLP lead
AOC-2	RXSB-17	0-2 inches	A surface soil sample will be collected from a depth of 0-2 in the existing landscaped areas or where soil is present; for the purpose of exposure evaluation.	Target Compound List (TCL)/NYSDEC Part 375 SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium
		2-6 inches	A surface soil sample will be collected from a depth of 2-6 inches in the existing landscaped areas or where soil is present; for the purpose of exposure evaluation.	TCL/NYSDEC Part 375 VOCs
		Highest impact or 2-ft above observed water table	Supplemental delineation of nature and extent of fill materials and evaluating the presence of ECs	TCL/NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium, ECs*
	RXSB-16 & RXSB-18 through RXSB-20	0-2 feet	Supplemental delineation of nature and extent of fill materials and evaluating the presence of ECs	TCL/NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium, ECs*
		Highest impact or 2-ft above observed water table	Supplemental delineation of nature and extent of fill materials and evaluating the presence of ECs	TCL/NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium, ECs*

*As required by NYSDEC, soil samples will be analyzed for the ECs 1,4-Dioxane and PFAS, which include the 40 compounds listed in accordance with the Sampling, Analysis, and Assessment of PFAS under NYSDEC's Part 375 Remedial Programs guidance document (NYSDEC April 2023 PFAS Guidance).

Soil will be collected from the sample intervals and for the parameters summarized in the table above. During advancement of borings, the soil will be inspected for evidence of contamination (visual and olfactory) and field screened continuously for organic vapors using a PID with a 10.6 eV lamp. Soil lithology will be recorded according to the USCS.

It is estimated that 18 soil samples will be collected for laboratory analysis. One additional blind duplicate soil sample and MS/MSD soil sample, and one field blank per sampling day, will be collected for QA/QC purposes. Additional details regarding sampling methods are provided in the FSP/QAPP (**Appendix F**).

Soil cuttings will be returned to boring locations to the extent possible to reduce the quantity of drummed waste. Soil generated as part of the soil investigation, if any, will be drummed, labeled, sampled, and stored onsite pending disposal.

3.2.3 Groundwater Investigation

To characterize onsite groundwater flow and groundwater quality, three existing monitoring wells (RXMW-1, RXMW-5, and RXMW-6) will be sampled. The proposed RI monitoring well sampling locations are provided in **Figure 11**. The monitoring wells will be sampled and analyzed to delineate groundwater contamination, to provide a better understanding of onsite groundwater flow, and to fill groundwater quality data gaps from prior groundwater investigations.

A comprehensive water-level gauging event will occur prior to groundwater sampling to characterize groundwater flow onsite. Groundwater in each well will be measured using an electronic oil-water interface probe and a groundwater contour map will be developed using the gauging and survey data. Field parameters (e.g., pH, dissolved oxygen, oxidation-reduction potential, turbidity, etc.) will be collected using a water quality meter during monitoring well purging, prior to sampling. Field parameters will be recorded on monitoring well sampling data forms. Following purging, a groundwater sample will be collected from monitoring well.

Three groundwater samples will be collected for laboratory analysis. Additionally, one blind duplicate groundwater sample, MS groundwater sample, MSD groundwater sample, field blank, and trip blank will be collected for QA/QC purposes. Additional details regarding sampling methods are provided in the FSP/QAPP (**Appendix F**). All groundwater samples will be analyzed for the following list of parameters:

- NYSDEC Part 375/TCL VOCs via EPA method 8260D;
- NYSDEC Part 375/TCL SVOCs via EPA method 8270E;
- NYSDEC Part 375/TCL pesticides via EPA method 8081B;
- PCBs via EPA method 8082A;
- NYSDEC Part 375/TAL total and dissolved metals (including hexavalent chromium, trivalent chromium, and total cyanide) via EPA method 6020B, 7470A, and 9012B; and
- ECs* via EPA method 1633A.

  * As required by NYSDEC, groundwater samples will also be analyzed for the ECs 1,4-Dioxane and PFAS, which include the 41 compounds listed in the NYSDEC April 2023 Guidance.

Groundwater samples will be field filtered for metals and both total and dissolved results will be reported.

Water generated as part of the purging effort prior to sample collection will be drummed, labeled, sampled, and stored onsite pending disposal.

3.2.4 Soil Vapor Investigation

Six soil vapor monitoring points will be installed 2-ft above the observed water table. The soil vapor sample locations will be installed using a 6-inch long, stainless steel sample screen attached to Teflon-lined polyethylene sample tubing. Surrounding the screen and sample tubing, #2 Morie sand will be added to 6-inches above the top of the screen. A one-foot thick layer of non-VOC containing and non-shrinking bentonite product will be added to the top of the sand and left to hydrate.

The soil vapor samples will be collected for laboratory analysis of VOCs using EPA Method TO-15 including naphthalene. One blind duplicate soil vapor sample and one ambient air sample will also be collected for QA/QC purposes. The soil vapor samples will be collected using pre-cleaned 6-liter summa canisters with flow regulators that have been batch certified and calibrated to collect samples over an 8-hour period. A tracer gas will be employed prior to the collection of the soil vapor sample to ensure the integrity of the vapor probe seal and to verify that the vapor samples do not become inadvertently diluted with ambient air. Field parameters will be recorded on vapor sampling data forms and included in the RIR. Additional details regarding soil vapor point construction is provided in the FSP/QAPP (**Appendix F**).

3.2.5 Investigation Laboratory Analysis

All samples will be collected in appropriate laboratory-provided containers and transported to a NYSDOH ELAP-certified laboratory, in ice-filled coolers under chain of custody procedures. Additional details regarding laboratory analyses are included in the FSP/QAPP (**Appendix F**). All analytical data for the RI will be received within a standard 5-day turn-around-time.

All RI data will be produced in accordance with NYSDEC Analytical Services Protocols (ASP) Category B deliverables and will be reviewed and validated by a third-party data validator, who will prepare a DUSR before being incorporated into the RIR for the Site. All data will be submitted to NYSDEC in electronic format, in accordance with DER-10, Section 1.15.

3.2.6 Investigation Derived Waste

Purge water and visibly impacted drill cuttings generated as part of the investigation will be drummed, labeled, sampled, and stored onsite pending laboratory results. Disposal will be coordinated following the receipt of laboratory results. Investigative derived waste that is determined to be hazardous waste will be disposed of offsite at one or more selected disposal facilities within 90 days of generation. If RI analytical data is insufficient to gain disposal facility acceptance, additional waste characterization samples will be collected. Additional sampling and analyses may be required based on the selected disposal facility. Waste characterization samples will be submitted to by a NYSDOH ELAP-approved laboratory for analysis in accordance with the FSP/QAPP provided in Appendix E. Management of investigation-derived waste (IDW) will comply with NYSDEC DER-10 3.3(e) and NYSDEC DER-31 Green Remediation (DER-31) (Section 3.11).

3.2.7 Community Air Monitoring Program

Roux will implement the Community Air Monitoring Program (CAMP) during any intrusive subsurface activities to conduct monitoring and protection for potential offsite receptors. The CAMP scope of work will include the use of one downwind air monitoring station and one upwind air monitoring station, each equipped with one PID and one particulate meter. Upwind concentrations will be measured at the start of each workday and periodically throughout the day to establish background concentrations. Daily reporting of any

exceedances will be provided to the NYSDEC and NYSDOH. CAMP data results will be provided with the daily field activity reports and also in the final RIR along with locations of monitoring stations, monitoring equipment, procedures, and contaminant action levels. The NYSDOH Generic CAMP and Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures is included as **Appendix G**.

3.2.8 Qualitative Exposure Assessment

An EA will be performed following the collection of all RI data. The EA will be performed in accordance with Section 3.3(c)4 of DER-10 and the NYSDOH guidance for performing a qualitative EA (NYSDEC DER-10; Appendix 3 B). The results of the qualitative EA will be provided in the final RIR.

3.2.9 Green and Sustainable Remediation

The NYSDEC DER-31 Green and Sustainable Remediation Initiative requires that green remediation concepts and techniques be considered during all stages of the remedial program, including investigation, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. The following measures will be implemented during the RI:

- Select service providers, product suppliers and analytical laboratories from the local area and consolidate the service and delivery schedules.
- Identify the nearest facility to be used for disposing of hazardous waste.
- Minimize the need for disposable single-use items such as plastic bags.
- Reduce travel through increased teleconferencing.
- If applicable, integrate sources of onsite renewable energy to power hand-held devices, portable equipment, and stationery monitoring systems.
- Utilize technologies for collecting real-time data which are non-invasive or minimally invasive (i.e., PIDs for screening, SUMMA cannisters for soil vapor sampling, etc.).
- Re-use materials whenever possible.
- Minimize equipment and truck idling to reduce discharges of pollutants and GHGs to the atmosphere.
- Limit use of generators, drilling equipment, and vehicles to reduce emissions to the atmosphere.
- Minimize IDW generated by reusing soil/fill that does not exhibit visual, olfactory, or PID evidence of contamination to backfill boreholes after sampling.
- Minimize truck travel for disposal of IDW by selecting local disposal facilities for IDW.
- Request that the environmental drillers use clean diesel equipment to reduce emissions to the atmosphere.
- Utilize public transportation to access the site during implementation of the RI, to the extent practicable.

3.3 Quality Assurance/ Quality Control Protocols

The goal of the QA/QC aspect of the RI is to ensure that suitable and verifiable data results from sampling and analysis are obtained. To accomplish this, an FSP/QAPP has been prepared and is provided as **Appendix F**. During the OER RI completed by Roux, QA/QC samples were collected in accordance with DER-10. Both the previous OER RI data and data collected during the proposed RI will be reviewed for

QA/QC and a DUSR will be prepared in accordance with NYSDEC standards. The DUSR will be included in the RIR.

3.4 Health and Safety

A HASP has been prepared for the Site and is provided in **Appendix H**.

4. Reporting and Project Schedule

Roux and the Volunteer will commence implementation of this RIWP following the receipt of NYSDEC's written approval. Roux will notify NYSDEC no less than seven days in advance of implementation of the RIWP, unless NYSDEC agrees to a shorter period in writing. Roux will also provide NYSDEC notice as to any change in the approved project schedule.

Daily Reports

Daily report submittals to be provided to the NYSDEC and NYSDOH during intrusive activities during the RI field implementation will include the following.

- A summary of onsite work completed, and summary tables of the CAMP monitoring data will be submitted to NYSDEC on a daily basis;
- NYSDEC and NYSDOH will be notified immediately (within 24 hours) of any CAMP exceedances and corrective actions taken;
- Discovery of any previously unknown contaminated media during RI activities will be promptly communicated to NYSDEC's project manager; and
- A Site map will be provided to identify locations discussed in progress reports provided to NYSDEC.

Monthly Reports

Monthly reports will be submitted to NYSDEC and NYSDOH Project Managers. Monthly reports will be submitted within one week following the end of the month of the reporting period and will include:

- Activities relative to the Site during the previous reporting period and those anticipated for the next reporting period, including a quantitative presentation of work performed (i.e., tons of material exported and imported, etc.);
- Description of approved activity modifications, including changes of work scope and/or schedule;
- Sampling results received following internal data review and validation, as applicable; and
- An update of the remedial schedule including the percentage of project completion, unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate such delays.

RIR and RAWP

Following the completion of the RI, a RIR and RAWP will be prepared to summarize the results and findings of the RI. The RIR will include all data developed during the RI and will meet the technical requirements of DER-10. The RAWP will summarize the results of the RI and outline the recommended remedial actions along with Site management procedures based on the findings of the RI. The RIR will summarize the actions taken to implement the RIWP, include a detailed synopsis of all RIWP work performed, figures depicting the layout of the Site with sampling locations, figures presenting the analytical results and analyses performed, soil boring logs, monitoring well installation logs, tables presenting all laboratory data results, soil vapor screening level comparison, laboratory data packages, a DUSR, and sampling field forms. The RAWP will provide conclusions and recommendations for the Site, will address soil management and disposal procedures, and will address installation of any necessary remedial technologies that will help mitigate any potential exposure to the community, workers, or future inhabitants of the building structure.

Estimated Project Schedule	
RIWP Approval	January 2026
RI Implementation	January 2026
Submission of RIR	February 2026
Submission of RAWP	March 2026
Begin Implementation of the RAWP	June 2026

4.1 Organization/Personnel

The project team is comprised of the Owner/Volunteer (SPN Senior Living LLC), contractors, and consultants specializing in one or more critical aspects of the investigation. It is understood by the project team that close coordination and proper sequencing of all activities occurring on the Site will be crucial to the success of the investigation. The project team and associated responsibilities are as follows.

Company	Project Role	Name (title)	Contact Info (email or phone)
SPN Senior Living LLC	Volunteer	Alexander Marte (Senior Development Manager)	AMarte@GilbaneCo.com (347) 647-0415
Trinity Environmental Corp.	Drilling Subcontractor	Joseph Sakellis	TrinityEnvironmental@gmail.com (973) 572-7802
Roux	Environmental Consultant	Frank Cherena, P.G. (Project Principal)	fcherena@rouxinc.com (631) 232-2600
		Charlie McGuckin, P.E. (Remedial Engineer)	cmcguckin@rouxinc.com (631) 232-2600
		Lauren Dolginko (Project Manager)	ldolginko@rouxinc.com (631) 232-2600
		TBD (Field Team Leader)	(631) 232-2600
		Sarah Stern (Quality Assurance Officer)	sstern@rouxinc.com (631) 232-2600
Eurofins TestAmerica	Environmental Laboratory	Melissa Haas (Project Manager)	melissa.hass@eurofins.net (203) 308-0880

TABLES

1. Summary of Volatile Organic Compounds in Soil
2. Summary of Semivolatile Organic Compounds in Soil
3. Summary of Metals in Soil
4. Summary of Polychlorinated Biphenyls in Soil
5. Summary of Pesticides in Soil
6. Summary of Per- and Polyfluoroalkyl Substances in Soil
7. Summary of Volatile Organic Compounds in Groundwater
8. Summary of Semivolatile Organic Compounds in Groundwater
9. Summary of Metals in Groundwater
10. Summary of Polychlorinated Biphenyls in Groundwater
11. Summary of Pesticides in Groundwater
12. Summary of Per- and Polyfluoroalkyl Substances in Groundwater
13. Summary of Volatile Organic Compounds in Soil Vapor not Associated with Soil Vapor Intrusion

Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
P -	Concentration difference between the primary and confirmation column >40%. The lower result is reported
T -	Indicates that a quality control parameter has exceeded laboratory limits
ft bls -	Feet below land surface
FD -	Duplicate sample
NA -	Compound was not analyzed for by laboratory
mg/kg -	Milligrams per kilogram
NYSDEC -	New York State Department of Environmental Conservation
SCO -	Soil Cleanup Objectives
--	No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO	
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO	
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO	
Groundwater Tables	
J -	Estimated Value
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
B -	The analyte was found in an associated blank as well as in the sample
T -	Indicates that a quality control parameter has exceeded laboratory limits
FD -	Duplicate
NA -	Compound was not analyzed for by laboratory
µg/L -	Micrograms per liter
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
--	No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	
Soil Vapor/Ambient Air	
J -	Estimated value
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
D -	Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte
FD -	Duplicate sample
ug/m3 -	Micrograms per cubic meter
Bold data indicates that parameter was detected	

Table 1. Summary of Volatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-1	RXSB-1	RXSB-2	RXSB-2
			Sample Date:		09/10/2024	09/10/2024	09/10/2024	09/10/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units				
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.14 U	0.13 U	0.13 U	0.12 U
Acetone	0.05	100	0.05	MG/KG	0.0083 U	0.0075 U	0.0076 U	0.0072 U
Benzene	0.06	4.8	0.06	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Chloroform	0.37	49	0.37	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Ethylbenzene	1	41	1	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
m,p-Xylene	--	--	--	MG/KG	0.0012 J	0.001 J	0.0013 U	0.0012 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0069 U	0.0063 U	0.0063 U	0.006 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0028 U	0.0025 U	0.0025 U	0.0024 U
N-Butylbenzene	12	100	12	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.00063 J	0.00051 J	0.0013 U	0.0012 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0014 UT	0.0013 UT	0.0013 UT	0.0012 UT
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Toluene	0.7	100	0.7	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0014 U	0.0013 U	0.0013 U	0.0012 U
Xylenes	0.26	100	1.6	MG/KG	0.0019 J	0.0015 J	0.0025 U	0.0024 U

Table 1. Summary of Volatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

				Sample Designation:	RXSB-3	RXSB-3	RXSB-4	RXSB-4
				Sample Date:	09/09/2024	09/09/2024	09/10/2024	09/10/2024
				Sample Depth (ft bls):	0 - 2	4 - 6	0 - 2	4 - 6
				Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units				
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	NA	NA	0.12 U	0.13 U
Acetone	0.05	100	0.05	MG/KG	0.0066 U	0.0075 U	0.0075 U	0.0076 U
Benzene	0.06	4.8	0.06	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Chloroform	0.37	49	0.37	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Ethylbenzene	1	41	1	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
m,p-Xylene	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0055 U	0.0062 U	0.0062 U	0.0063 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0022 U	0.0025 U	0.0025 U	0.0025 U
N-Butylbenzene	12	100	12	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0011 U	0.0012 U	0.0012 UT	0.0013 UT
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Toluene	0.7	100	0.7	MG/KG	0.00082 J	0.0012 U	0.00075 J	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0011 U	0.0012 U	0.0012 U	0.0013 U
Xylenes	0.26	100	1.6	MG/KG	0.0022 U	0.0025 U	0.0025 U	0.0025 U

Table 1. Summary of Volatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-5	RXSB-5	RXSB-6	RXSB-6
			Sample Date:		09/09/2024	09/09/2024	09/10/2024	09/10/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units				
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	NA	NA	0.15 U	0.13 U
Acetone	0.05	100	0.05	MG/KG	0.0072 U	0.022	0.009 U	0.0077 U
Benzene	0.06	4.8	0.06	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Chloroform	0.37	49	0.37	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
m,p-Xylene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.006 U	0.0059 U	0.0075 U	0.0064 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0024 U	0.0024 U	0.003 U	0.0026 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0012 U	0.0012 U	0.0015 UT	0.0013 UT
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0012 U	0.0015 U	0.0013 U
Xylenes	0.26	100	1.6	MG/KG	0.0024 U	0.0024 U	0.003 U	0.0026 U

Table 1. Summary of Volatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-7	RXSB-7	RXSB-8	RXSB-8
			Sample Date:		09/10/2024	09/10/2024	09/09/2024	09/09/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units				
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.14 U	0.14 U	NA	NA
Acetone	0.05	100	0.05	MG/KG	0.0085 U	0.0086 U	0.0071 U	0.0081 U
Benzene	0.06	4.8	0.06	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Chloroform	0.37	49	0.37	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Ethylbenzene	1	41	1	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
m,p-Xylene	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0071 U	0.0071 U	0.0059 U	0.0067 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0028 U	0.0029 U	0.0024 U	0.0027 U
N-Butylbenzene	12	100	12	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0014 UT	0.0014 UT	0.0012 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Toluene	0.7	100	0.7	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0014 U	0.0014 U	0.0012 U	0.0013 U
Xylenes	0.26	100	1.6	MG/KG	0.0028 U	0.0029 U	0.0024 U	0.0027 U

Table 1. Summary of Volatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-9	RXSB-9	RXSB-10	RXSB-10
			Sample Date:		09/09/2024	09/09/2024	09/09/2024	09/09/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units				
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	NA	NA	NA	NA
Acetone	0.05	100	0.05	MG/KG	0.0072 U	0.0071 U	0.0072 U	0.0066 U
Benzene	0.06	4.8	0.06	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.37	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.006 U	0.0059 U	0.006 U	0.0055 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0024 U	0.0024 U	0.0024 U	0.0022 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0012 U	0.00055 J	0.0008 J
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0012 U	0.0012 U	0.0011 U
Xylenes	0.26	100	1.6	MG/KG	0.0024 U	0.0024 U	0.0024 U	0.0022 U

Table 1. Summary of Volatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

				Sample Designation:	RXSB-10
				Sample Date:	09/09/2024
				Sample Depth (ft bls):	4 - 6
				Normal Sample or Field Duplicate:	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0012 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	NA
Acetone	0.05	100	0.05	MG/KG	0.0071 U
Benzene	0.06	4.8	0.06	MG/KG	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0012 U
Chloroform	0.37	49	0.37	MG/KG	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U
m,p-Xylene	--	--	--	MG/KG	0.0012 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0059 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0024 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0012 U
Toluene	0.7	100	0.7	MG/KG	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U
Xylenes	0.26	100	1.6	MG/KG	0.0024 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-3
Sample Designation:					RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-3
Sample Date:					09/10/2024	09/10/2024	09/10/2024	09/10/2024	09/09/2024
Sample Depth (ft bls):					0 - 2	4 - 6	0 - 2	4 - 6	0 - 2
Normal Sample or Field Duplicate:					N	N	N	N	N
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.034 U	0.034 U	0.035 U	0.033 U	0.039 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.34 U	0.34 U	0.35 U	0.33 U	0.39 U
Acenaphthene	20	100	98	MG/KG	0.035 J	0.1 J	0.014 J	0.012 J	0.051 J
Acenaphthylene	100	100	107	MG/KG	0.074 J	0.22 J	0.11 J	0.47	0.17 J
Anthracene	100	100	1000	MG/KG	0.15 J	0.34	0.08 J	0.31 J	0.24 J
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.45	**1.5**	0.41	**2.2**	**1.3**
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.72	**1.6**	0.99	**1.8**	**1.4**
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.76	**2.2**	1	**2.9**	**1.9**
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	1 T	0.75	2.2	0.85	1.1 T
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.38 T	**0.96**	0.6	**1.2**	0.69 T
Chrysene	**1**	3.9	1	MG/KG	0.5	**1.5**	0.47	**2.2**	**1.3**
Cresols, M & P	0.33	100	0.33	MG/KG	0.34 U	0.34 U	0.35 U	0.33 U	0.39 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.24	0.13	**1.6**	0.14	0.14
Dibenzofuran	7	59	210	MG/KG	0.031 J	0.052 J	0.013 J	0.012 J	0.026 J
Fluoranthene	100	100	1000	MG/KG	1	2.8	0.64	3.9	2.4
Fluorene	30	100	386	MG/KG	0.042 J	0.093 J	0.012 J	0.037 J	0.044 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.034 U	0.034 U	0.035 U	0.033 U	0.039 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**1**	**0.82**	**1.9**	**0.99**	**0.96**
Naphthalene	12	100	12	MG/KG	0.024 J	0.045 J	0.037 J	0.027 J	0.038 J
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.28 U	0.16 J	0.29 U	0.27 U	0.31 U
Phenanthrene	100	100	1000	MG/KG	0.63	1.4	0.22 J	0.61	1.1
Phenol	0.33	100	0.33	MG/KG	0.34 U	0.34 U	0.35 U	0.33 U	0.39 U
Pyrene	100	100	1000	MG/KG	0.85	2.5	0.76	3.5	2.3

Table 2. Summary of Semivolatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

				Sample Designation:	RXSB-3	RXSB-4	RXSB-4	RXSB-5	RXSB-5
				Sample Date:	09/09/2024	09/10/2024	09/10/2024	09/09/2024	09/09/2024
				Sample Depth (ft bls):	4 - 6	0 - 2	4 - 6	0 - 2	4 - 6
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.035 U	0.033 U	0.033 U	0.034 U	0.035 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.35 U	0.33 U	0.33 U	0.34 U	0.35 U
Acenaphthene	20	100	98	MG/KG	0.093 J	0.1 J	0.33 U	0.035 J	0.081 J
Acenaphthylene	100	100	107	MG/KG	0.25 J	0.29 J	0.029 J	0.077 J	0.19 J
Anthracene	100	100	1000	MG/KG	0.36	0.46	0.047 J	0.13 J	0.5
Benzo(A)Anthracene	**1**	1	1	MG/KG	**1.8**	**2.6**	0.16	0.58	**1.9**
Benzo(A)Pyrene	**1**	1	22	MG/KG	**2**	**2.9**	0.16	0.62	**2**
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**2.5**	**4.2**	0.2	0.79	**2.5**
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.86 T	1	0.16 J	0.47 T	1.4 T
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	**1.2 T**	**1.7**	0.084	0.38 T	**1.1 T**
Chrysene	**1**	3.9	1	MG/KG	**1.8**	**2.6**	0.16 J	0.65	**1.9**
Cresols, M & P	0.33	100	0.33	MG/KG	0.35 U	0.33 U	0.33 U	0.34 U	0.35 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.24	0.18	0.023 J	0.099	0.32
Dibenzofuran	7	59	210	MG/KG	0.08 J	0.048 J	0.33 U	0.021 J	0.076 J
Fluoranthene	100	100	1000	MG/KG	4.1	4.7	0.32 J	1.3	4
Fluorene	30	100	386	MG/KG	0.11 J	0.098 J	0.33 U	0.035 J	0.13 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.035 U	0.033 U	0.033 U	0.034 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**1**	**1.1**	0.15	0.46	**1.4**
Naphthalene	12	100	12	MG/KG	0.061 J	0.046 J	0.014 J	0.017 J	0.04 J
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U
Phenanthrene	100	100	1000	MG/KG	2.2	1.8	0.12 J	0.65	2.4
Phenol	0.33	100	0.33	MG/KG	0.35 U	0.33 U	0.33 U	0.34 U	0.35 U
Pyrene	100	100	1000	MG/KG	3.4	4.1	0.26 J	1.1	3.5

Table 2. Summary of Semivolatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

				Sample Designation:	RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	09/10/2024	09/10/2024	09/10/2024	09/10/2024	09/09/2024
				Sample Depth (ft bls):	0 - 2	4 - 6	0 - 2	4 - 6	0 - 2
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.034 U	0.033 U	0.035 U	0.033 U	0.034 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.34 U	0.33 U	0.35 U	0.33 U	0.34 U
Acenaphthene	20	100	98	MG/KG	0.033 J	0.045 J	0.062 J	0.1 J	0.027 J
Acenaphthylene	100	100	107	MG/KG	0.12 J	0.14 J	0.093 J	0.37	0.12 J
Anthracene	100	100	1000	MG/KG	0.14 J	0.26 J	0.2 J	0.75	0.16 J
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.86	**1.4**	1	**3.5**	0.8
Benzo(A)Pyrene	**1**	1	22	MG/KG	1	**1.2**	1	**3.5**	0.85
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**1.3**	**1.6**	**1.5**	**4.6**	**1.1**
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.48	0.52	0.43	1.2	0.43 T
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.66	0.79	0.54	**2.4**	0.52 T
Chrysene	**1**	3.9	1	MG/KG	1	**1.2**	0.97	**3.5**	0.88
Cresols, M & P	0.33	100	0.33	MG/KG	0.34 U	0.33 U	0.35 U	0.33 U	0.34 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.12	0.14	0.13	**0.37**	0.083
Dibenzofuran	7	59	210	MG/KG	0.015 J	0.019 J	0.022 J	0.05 J	0.037 J
Fluoranthene	100	100	1000	MG/KG	1.7	2.5	1.9	6.7	1.6
Fluorene	30	100	386	MG/KG	0.032 J	0.055 J	0.048 J	0.16 J	0.038 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.034 U	0.033 U	0.035 U	0.033 U	0.034 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**0.57**	**0.61**	**0.53**	**1.5**	**0.53**
Naphthalene	12	100	12	MG/KG	0.017 J	0.02 J	0.026 J	0.067 J	0.026 J
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.27 U	0.27 U	0.28 U	0.27 U	0.27 U
Phenanthrene	100	100	1000	MG/KG	0.68	0.98	0.84	2.9	0.92
Phenol	0.33	100	0.33	MG/KG	0.34 U	0.33 U	0.35 U	0.33 U	0.34 U
Pyrene	100	100	1000	MG/KG	1.6	2	1.6	5.6	1.3

Table 2. Summary of Semivolatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

				Sample Designation:	RXSB-8	RXSB-9	RXSB-9	RXSB-10	RXSB-10
				Sample Date:	09/09/2024	09/09/2024	09/09/2024	09/09/2024	09/09/2024
				Sample Depth (ft bls):	4 - 6	0 - 2	4 - 6	0 - 2	0 - 2
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.34 U	0.33 U	0.33 U	0.34 U	0.34 U
Acenaphthene	20	100	98	MG/KG	0.021 J	0.05 J	0.2 J	0.076 J	0.017 J
Acenaphthylene	100	100	107	MG/KG	0.034 J	0.16 J	0.55	0.18 J	0.031 J
Anthracene	100	100	1000	MG/KG	0.063 J	0.19 J	1.2	0.41	0.06 J
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.27	1	**5.6**	**2.9**	0.31
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.28	**1.1**	**5.1**	**3**	0.33
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.35	**1.5**	**7**	**3.9**	0.43
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.18 JT	0.64 T	2.7	2 T	0.17 J
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.14 T	0.74 T	**2.5**	**1.8 T**	0.14
Chrysene	**1**	3.9	1	MG/KG	0.31 J	**1.2**	**5.6**	**2.9**	0.3 J
Cresols, M & P	0.33	100	0.33	MG/KG	0.34 U	0.33 U	0.33 U	0.34 U	0.34 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.039	0.18	**0.81**	**0.49**	0.047
Dibenzofuran	7	59	210	MG/KG	0.34 U	0.026 J	0.19 J	0.043 J	0.34 U
Fluoranthene	100	100	1000	MG/KG	0.56	1.9	13	5.8	0.59
Fluorene	30	100	386	MG/KG	0.018 J	0.047 J	0.27 J	0.067 J	0.014 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.19	**0.74**	**3**	**2.1**	0.18
Naphthalene	12	100	12	MG/KG	0.014 J	0.023 J	0.075 J	0.03 J	0.34 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Phenanthrene	100	100	1000	MG/KG	0.31 J	0.77	6.1	2.2	0.27 J
Phenol	0.33	100	0.33	MG/KG	0.34 U	0.33 U	0.33 U	0.34 U	0.34 U
Pyrene	100	100	1000	MG/KG	0.55	1.6	11	5	0.56

Table 2. Summary of Semivolatile Organic Compounds in Soil, 2828 West 28th Street, Brooklyn, New York

				Sample Designation:	RXSB-10
				Sample Date:	09/09/2024
				Sample Depth (ft bls):	4 - 6
				Normal Sample or Field Duplicate:	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.034 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.34 U
Acenaphthene	20	100	98	MG/KG	0.018 J
Acenaphthylene	100	100	107	MG/KG	0.062 J
Anthracene	100	100	1000	MG/KG	0.076 J
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.24
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.3
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.37
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.25 JT
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.14 T
Chrysene	**1**	3.9	1	MG/KG	0.26 J
Cresols, M & P	0.33	100	0.33	MG/KG	0.34 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.029 J
Dibenzofuran	7	59	210	MG/KG	0.013 J
Fluoranthene	100	100	1000	MG/KG	0.55
Fluorene	30	100	386	MG/KG	0.021 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.034 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.25
Naphthalene	12	100	12	MG/KG	0.012 J
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.27 U
Phenanthrene	100	100	1000	MG/KG	0.31 J
Phenol	0.33	100	0.33	MG/KG	0.34 U
Pyrene	100	100	1000	MG/KG	0.46

Table 3. Summary of Metals in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-3	RXSB-3
			Sample Date:		09/10/2024	09/10/2024	09/10/2024	09/10/2024	09/09/2024	09/09/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
Arsenic	**13**	16	16	MG/KG	5.3	4.5	**17.5**	1.1	6.5	4.5
Barium	**350**	400	820	MG/KG	325	**420**	**2450**	15.7	**628**	**448**
Beryllium	7.2	72	47	MG/KG	0.18 J	0.21 J	0.44	0.37 U	0.41 J	0.21 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.69 J	2.4	**17.7**	0.16 J	1.1	1
Chromium III	**30**	180	--	MG/KG	11.8	12.2	**382**	3	17	10.6
Chromium, Hexavalent	**1**	110	19	MG/KG	0.97 J	2.1 U	**1.5 J**	2 U	2.3 U	2.1 U
Chromium, Total	**30**	180	--	MG/KG	12.7	12.2	**383**	3	17	10.6
Copper	**50**	270	1720	MG/KG	22.2	22.6	**813**	4.6	36.9	**73.8**
Cyanide	27	27	40	MG/KG	0.51	0.33	1.3	0.11 J	0.26	0.33
Lead	**63**	400	450	MG/KG	**441**	**589**	**9060**	36.4	**585**	**634**
Manganese	1600	2000	2000	MG/KG	99.2	113	383	26.9	215	117
Mercury	**0.18**	0.81	0.73	MG/KG	**0.43**	**0.39**	**8.6**	0.046	**0.19**	0.13
Nickel	**30**	310	130	MG/KG	11.2	12.9	**391**	3.9	22.8	12.2
Selenium	3.9	180	4	MG/KG	0.24 J	0.23 J	1.5	1.1 U	0.3 J	0.48 J
Silver	2	180	8.3	MG/KG	0.17 J	0.15 J	1.4	0.37 U	0.14 J	0.18 J
Zinc	**109**	10000	2480	MG/KG	**342**	**467**	**11500**	**146**	**459**	**503**

Table 3. Summary of Metals in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-4	RXSB-4	RXSB-5	RXSB-5	RXSB-6	RXSB-6
			Sample Date:		09/10/2024	09/10/2024	09/09/2024	09/09/2024	09/10/2024	09/10/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
Arsenic	**13**	16	16	MG/KG	5.1	1.4	3.3	2.3	4.1	1.6
Barium	**350**	400	820	MG/KG	**583**	307	230	**786**	**387**	69.7
Beryllium	7.2	72	47	MG/KG	0.23 J	0.13 J	0.11 J	0.2 J	0.22 J	0.36 U
Cadmium	**2.5**	4.3	7.5	MG/KG	**2.7**	0.41 J	0.78 J	0.51 J	1.9	0.15 J
Chromium III	**30**	180	--	MG/KG	15.9	5.3	9.3	19.6	13.7	3.8
Chromium, Hexavalent	**1**	110	19	MG/KG	2 U	0.99 J	2.1 U	2.1 U	2.1 U	2 U
Chromium, Total	**30**	180	--	MG/KG	15.9	6.3	9.3	19.6	13.7	3.8
Copper	**50**	270	1720	MG/KG	**61.2**	8.9	26.9	18.6	**90.3**	13.7
Cyanide	27	27	40	MG/KG	0.45	0.2 U	0.13 J	0.83	0.83	0.38
Lead	**63**	400	450	MG/KG	**643**	**255**	**316**	**724**	**475**	**122**
Manganese	1600	2000	2000	MG/KG	242	56.3	177	122	139	24.1
Mercury	**0.18**	0.81	0.73	MG/KG	**1.1**	0.17	0.15	**0.19**	**0.73**	0.022
Nickel	**30**	310	130	MG/KG	20.4	12.2	10.7	18.2	15.1	3.2
Selenium	3.9	180	4	MG/KG	0.37 J	0.12 J	0.17 J	0.13 J	0.31 J	1.1 U
Silver	2	180	8.3	MG/KG	0.19 J	0.36 U	0.11 J	0.09 J	0.21 J	0.36 U
Zinc	**109**	10000	2480	MG/KG	**544**	**397**	**334**	**493**	**553**	92.3

Table 3. Summary of Metals in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-7	RXSB-7	RXSB-8	RXSB-8	RXSB-9	RXSB-9
			Sample Date:		09/10/2024	09/10/2024	09/09/2024	09/09/2024	09/09/2024	09/09/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
Arsenic	**13**	16	16	MG/KG	2.8	1.1	3.6	1.4	3.2	3.3
Barium	**350**	400	820	MG/KG	**2290**	224	**388**	323	**357**	**462**
Beryllium	7.2	72	47	MG/KG	0.27 J	0.079 J	0.12 J	0.37 U	0.13 J	0.21 J
Cadmium	**2.5**	4.3	7.5	MG/KG	1.5	0.24 J	0.65 J	0.42 J	0.83 J	0.77 J
Chromium III	**30**	180	--	MG/KG	11.5	10.4	8	4.4	11.4	14.1
Chromium, Hexavalent	**1**	110	19	MG/KG	2.1 U	2 U	2 U	2 U	2 U	2 U
Chromium, Total	**30**	180	--	MG/KG	11.5	10.4	8	4.4	11.4	14.1
Copper	**50**	270	1720	MG/KG	30.6	8.7	31	13.6	35.1	48.2
Cyanide	27	27	40	MG/KG	0.16 J	0.12 J	0.38	0.19 J	0.2	0.21
Lead	**63**	400	450	MG/KG	**579**	**207**	**370**	**320**	**449**	**633**
Manganese	1600	2000	2000	MG/KG	146	35.4	62.1	30.3	74.6	107
Mercury	**0.18**	0.81	0.73	MG/KG	**0.43**	0.053	**0.38**	0.064	**0.37**	**0.27**
Nickel	**30**	310	130	MG/KG	25.2	5.8	8.1	2.9	11.8	14.8
Selenium	3.9	180	4	MG/KG	0.13 J	1.2 U	0.29 J	0.14 J	0.28 J	0.28 J
Silver	2	180	8.3	MG/KG	0.11 J	0.37 U	0.14 J	0.092 J	0.26 J	0.18 J
Zinc	**109**	10000	2480	MG/KG	**966**	**243**	**318**	**262**	**385**	**379**

Table 3. Summary of Metals in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-10	RXSB-10	RXSB-10
			Sample Date:		09/09/2024	09/09/2024	09/09/2024
			Sample Depth (ft bls):		0 - 2	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	FD	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units			
Arsenic	**13**	16	16	MG/KG	2.7	2.1	2.9
Barium	**350**	400	820	MG/KG	292	187	122
Beryllium	7.2	72	47	MG/KG	0.13 J	0.12 J	0.12 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.44 J	0.47 J	0.32 J
Chromium III	**30**	180	--	MG/KG	8.1	7.3	11.3
Chromium, Hexavalent	**1**	110	19	MG/KG	2 U	2 U	2 U
Chromium, Total	**30**	180	--	MG/KG	8.1	7.3	11.3
Copper	**50**	270	1720	MG/KG	16.4	18	12.3
Cyanide	27	27	40	MG/KG	0.14 J	0.11 J	0.24
Lead	**63**	400	450	MG/KG	**1320**	**259**	**111**
Manganese	1600	2000	2000	MG/KG	98	68.2	60.6
Mercury	**0.18**	0.81	0.73	MG/KG	0.17	0.16	0.049
Nickel	**30**	310	130	MG/KG	7.8	6.4	7.8
Selenium	3.9	180	4	MG/KG	0.16 J	0.17 J	0.15 J
Silver	2	180	8.3	MG/KG	0.13 J	0.12 J	0.38 U
Zinc	**109**	10000	2480	MG/KG	**230**	**209**	99.3

Table 4. Summary of Polychlorinated Biphenyls in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-3	RXSB-3
			Sample Date:		09/10/2024	09/10/2024	09/10/2024	09/10/2024	09/09/2024	09/09/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.069 U	0.069 U	0.72 U	0.068 U	0.078 U	0.072 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.069 U	0.069 U	0.72 U	0.068 U	0.078 U	0.072 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.069 U	0.069 U	0.72 U	0.068 U	0.078 U	0.072 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.069 U	0.069 U	0.72 U	0.068 U	0.078 U	0.072 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.069 U	0.069 U	0.72 U	0.068 U	0.078 U	0.072 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.069 U	0.069 U	0.72 U	0.068 U	0.078 U	0.072 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.069 U	0.069 U	0.72 U	0.068 U	0.078 U	0.072 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.069 U	0.069 U	3.9	0.068 U	0.078 U	0.072 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.069 U	0.069 U	0.72 U	0.068 U	0.078 U	0.072 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.069 U	0.069 U	**3.9**	0.068 U	0.078 U	0.072 U

Table 4. Summary of Polychlorinated Biphenyls in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-4	RXSB-4	RXSB-5	RXSB-5	RXSB-6	RXSB-6
			Sample Date:		09/10/2024	09/10/2024	09/09/2024	09/09/2024	09/10/2024	09/10/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.067 U	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.067 U	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.067 U	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.067 U	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.067 U	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.18	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.067 U	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.067 U	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.067 U	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	**0.18**	0.067 U	0.07 U	0.071 U	0.069 U	0.068 U

Table 4. Summary of Polychlorinated Biphenyls in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-7	RXSB-7	RXSB-8	RXSB-8	RXSB-9	RXSB-9
			Sample Date:		09/10/2024	09/10/2024	09/09/2024	09/09/2024	09/09/2024	09/09/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.071 U	0.067 U	0.068 U	0.068 U	0.068 U	0.068 U

Table 4. Summary of Polychlorinated Biphenyls in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-10	RXSB-10	RXSB-10
			Sample Date:		09/09/2024	09/09/2024	09/09/2024
			Sample Depth (ft bls):		0 - 2	0 - 2	4 - 6
			Normal Sample or Field Duplicate:		N	FD	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units			
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.069 U	0.069 U	0.069 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.069 U	0.069 U	0.069 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.069 U	0.069 U	0.069 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.069 U	0.069 U	0.069 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.069 U	0.069 U	0.069 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.069 U	0.069 U	0.069 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.069 U	0.069 U	0.069 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.069 U	0.069 U	0.069 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.069 U	0.069 U	0.069 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.069 U	0.069 U	0.069 U

Table 5. Summary of Pesticides and Herbicides in Soil, 2828 West 28th Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-3
Sample Designation:					RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-3
Sample Date:					09/10/2024	09/10/2024	09/10/2024	09/10/2024	09/09/2024
Sample Depth (ft bls):					0 - 2	4 - 6	0 - 2	4 - 6	0 - 2
Normal Sample or Field Duplicate:					N	N	N	N	N
Aldrin	0.005	0.097	0.19	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.002 U	0.0023 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.002 U	0.0023 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
Chlordane (Technical)	--	--	--	MG/KG	0.069 U	0.069 U	0.072 U	0.068 U	0.078 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0035 JP
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.002 U	0.0023 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.002 U	0.0023 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
Endrin	0.014	11	0.06	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
Endrin Aldehyde	--	--	--	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
Endrin Ketone	--	--	--	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.002 U	0.0023 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
Methoxychlor	--	--	--	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0069 U	0.0069 U	0.0072 U	0.0068 U	0.0078 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	**0.0051 J**	**0.0044 J**	0.0072 U	0.0068 U	0.003 J
P,P'-DDT	**0.0033**	7.9	136	MG/KG	**0.0072**	**0.014**	0.0072 U	0.0068 U	**0.0046 J**
Toxaphene	--	--	--	MG/KG	0.069 U	0.069 U	0.072 U	0.068 U	0.078 U

Table 5. Summary of Pesticides and Herbicides in Soil, 2828 West 28th Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	RXSB-3	RXSB-4	RXSB-4	RXSB-5	RXSB-5
Sample Designation:					RXSB-3	RXSB-4	RXSB-4	RXSB-5	RXSB-5
Sample Date:					09/09/2024	09/10/2024	09/10/2024	09/09/2024	09/09/2024
Sample Depth (ft bls):					4 - 6	0 - 2	4 - 6	0 - 2	4 - 6
Normal Sample or Field Duplicate:					N	N	N	N	N
Aldrin	0.005	0.097	0.19	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
Chlordane (Technical)	--	--	--	MG/KG	0.072 U	0.067 U	0.067 U	0.07 U	0.093
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.016 P
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
Endrin	0.014	11	0.06	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
Endrin Aldehyde	--	--	--	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
Endrin Ketone	--	--	--	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
Methoxychlor	--	--	--	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	0.0071 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0072 U	0.0067 U	0.0067 U	0.007 U	**0.066**
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0072 U	**0.014**	0.0067 U	**0.004 J**	**0.021**
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.0072 U	**0.027**	0.0067 U	**0.0063 J**	**0.011**
Toxaphene	--	--	--	MG/KG	0.072 U	0.067 U	0.067 U	0.07 U	0.071 U

Table 5. Summary of Pesticides and Herbicides in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
			Sample Date:		09/10/2024	09/10/2024	09/10/2024	09/10/2024	09/09/2024
			Sample Depth (ft bls):		0 - 2	4 - 6	0 - 2	4 - 6	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aldrin	0.005	0.097	0.19	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.0021 U	0.002 U	0.0021 U	0.002 U	0.002 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0021 U	0.002 U	0.0021 U	0.002 U	0.002 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Chlordane (Technical)	--	--	--	MG/KG	0.069 U	0.068 U	0.071 U	0.067 U	0.068 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0021 U	0.002 U	0.0021 U	0.002 U	0.002 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.0021 U	0.002 U	0.0021 U	0.002 U	0.002 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Endrin	0.014	11	0.06	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Endrin Aldehyde	--	--	--	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Endrin Ketone	--	--	--	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.0021 U	0.002 U	0.0021 U	0.002 U	0.002 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
Methoxychlor	--	--	--	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0069 U	0.0068 U	0.0071 U	0.0067 U	0.0068 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	**0.0064 J**	0.0068 U	0.0071 U	0.0067 U	**0.0041 J**
P,P'-DDT	**0.0033**	7.9	136	MG/KG	**0.0076**	0.0068 U	0.0071 U	**0.011**	**0.0034 J**
Toxaphene	--	--	--	MG/KG	0.069 U	0.068 U	0.071 U	0.067 U	0.068 U

Table 5. Summary of Pesticides and Herbicides in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-8	RXSB-9	RXSB-9	RXSB-10	RXSB-10
			Sample Date:		09/09/2024	09/09/2024	09/09/2024	09/09/2024	09/09/2024
			Sample Depth (ft bls):		4 - 6	0 - 2	4 - 6	0 - 2	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aldrin	0.005	0.097	0.19	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Chlordane (Technical)	--	--	--	MG/KG	0.068 U	0.068 U	0.068 U	0.069 U	0.069 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Endrin	0.014	11	0.06	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Endrin Aldehyde	--	--	--	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Endrin Ketone	--	--	--	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0021 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
Methoxychlor	--	--	--	MG/KG	0.0068 U	0.0068 U	0.0068 U	0.0069 U	0.0069 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0068 U	0.0068 U	**0.012**	0.0069 U	0.0069 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0068 U	**0.0099**	**0.0073**	0.0069 U	0.0027 J
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.0068 U	**0.012**	**0.022**	0.0026 J	**0.0036 J**
Toxaphene	--	--	--	MG/KG	0.068 U	0.068 U	0.068 U	0.069 U	0.069 U

Table 5. Summary of Pesticides and Herbicides in Soil, 2828 West 28th Street, Brooklyn, New York

				Sample Designation:	RXSB-10
				Sample Date:	09/09/2024
				Sample Depth (ft bls):	4 - 6
				Normal Sample or Field Duplicate:	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
Aldrin	0.005	0.097	0.19	MG/KG	0.0069 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.002 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0069 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.002 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0069 U
Chlordane (Technical)	--	--	--	MG/KG	0.069 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0069 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.002 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.002 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0069 U
Endrin	0.014	11	0.06	MG/KG	0.0069 U
Endrin Aldehyde	--	--	--	MG/KG	0.0069 U
Endrin Ketone	--	--	--	MG/KG	0.0069 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.002 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0069 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0069 U
Methoxychlor	--	--	--	MG/KG	0.0069 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0069 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0069 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.0069 U
Toxaphene	--	--	--	MG/KG	0.069 U

Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2828 West 28th Street, Brooklyn, New York

				Sample Designation:	RXSB-5
				Sample Date:	09/09/2024
				Sample Depth (ft bls):	0 - 2
				Normal Sample or Field Duplicate:	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Values	NYSDEC Part 375 Restricted Residential Guidance Values	NYSDEC Part 375 Protection of Groundwater Guidance Values	Units	
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	--	--	--	MG/KG	0.00073 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	--	--	--	MG/KG	0.00183 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	--	--	--	MG/KG	0.00183 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	MG/KG	0.00018 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	--	MG/KG	0.00459 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	--	MG/KG	0.00459 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	--	--	--	MG/KG	0.00092 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	MG/KG	0.00073 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	--	--	--	MG/KG	0.00073 U
N-ethyl perfluoro-1-octanesulfonamide	--	--	--	MG/KG	0.00018 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	MG/KG	0.00018 U
N-methyl perfluoro-1-octanesulfonamide	--	--	--	MG/KG	0.00018 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	--	MG/KG	0.00037 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	--	--	--	MG/KG	0.00037 U
Perfluoro(2-Propoxypropanoic) Acid	--	--	--	MG/KG	0.00073 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	--	MG/KG	0.00037 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	--	MG/KG	0.00037 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	MG/KG	0.00018 U
Perfluorobutanoic Acid	--	--	--	MG/KG	0.00073 U
Perfluorodecane Sulfonic Acid	--	--	--	MG/KG	0.00018 U
Perfluorodecanoic acid (PFDA)	--	--	--	MG/KG	0.00018 U
Perfluorododecane sulfonate (PFDoDS)	--	--	--	MG/KG	0.00018 U
Perfluorododecanoic acid (PFDoA)	--	--	--	MG/KG	0.00018 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	MG/KG	0.00018 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	MG/KG	0.00018 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	MG/KG	0.00018 U
Perfluorohexanoic acid (PFHxA)	--	--	--	MG/KG	0.00018 U
Perfluorononanesulfonic Acid (PFNS)	--	--	--	MG/KG	0.00018 U
Perfluorononanoic acid (PFNA)	--	--	--	MG/KG	0.00018 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	MG/KG	0.00018 U
Perfluorooctanesulfonic acid (PFOS)	0.00088	0.044	0.001	MG/KG	0.00031

Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2828 West 28th Street, Brooklyn, New York

			Sample Designation:		RXSB-5
			Sample Date:		09/09/2024
			Sample Depth (ft bls):		0 - 2
			Normal Sample or Field Duplicate:		N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Values	NYSDEC Part 375 Restricted Residential Guidance Values	NYSDEC Part 375 Protection of Groundwater Guidance Values	Units	
Perfluorooctanoic acid (PFOA)	0.00066	0.033	0.0008	MG/KG	0.00016 J
Perfluoropentanesulfonic Acid (PFPeS)	--	--	--	MG/KG	0.00018 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	MG/KG	0.00037 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	MG/KG	0.00018 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	MG/KG	0.00018 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	MG/KG	0.00018 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	--	--	MG/KG	0.00073 U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	--	--	--	MG/KG	0.00073 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	MG/KG	0.00073 U

Table 7. Summary of Volatile Organic Compounds in Groundwater, 2828 West 28th Street, Brooklyn, New York

		Sample Designation:	RXMW-1	RXMW-5	RXMW-6	RXMW-6	RXTW-2	RXTW-3	RXTW-4
		Sample Date:	09/13/2024	09/13/2024	09/12/2024	09/12/2024	09/12/2024	09/12/2024	09/11/2024
		Normal Sample or Field Duplicate:	N	N	N	FD	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	50 U	50 U	NA	NA	NA	NA	50 U
Acetone	50	UG/L	5 U	38	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UT
Chlorobenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	UG/L	NA	NA	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	1 U	0.32 J	0.35 BJ	0.35 BJ	0.39 BJ	1 U	1 U
N-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
N-Propylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	NA	NA	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, 2828 West 28th Street, Brooklyn, New York

Sample Designation:			RXMW-1	RXMW-5	RXMW-6	RXMW-6	RXTW-2	RXTW-3	RXTW-4
Sample Date:			09/13/2024	09/13/2024	09/12/2024	09/12/2024	09/12/2024	09/12/2024	09/11/2024
Normal Sample or Field Duplicate:			N	N	N	FD	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
1,4-Dioxane (P-Dioxane)	0.35	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Methylphenol (O-Cresol)	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	20	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(A)Anthracene	0.002	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(A)Pyrene	0	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(B)Fluoranthene	0.002	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(G,H,I)Perylene	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene	0.002	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Cresols, M & P	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(A,H)Anthracene	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Naphthalene	10	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 9. Summary of Metals in Groundwater, 2828 West 28th Street, Brooklyn, New York

Sample Designation:			RXMW-1	RXMW-1	RXMW-5	RXMW-5	RXMW-6	RXMW-6	RXMW-6	RXMW-6	RXTW-2
Sample Date:			09/13/2024	09/13/2024	09/13/2024	09/13/2024	09/12/2024	09/12/2024	09/12/2024	09/12/2024	09/12/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	FD	FD	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units									
Aluminum	--	UG/L	NA	40 U	NA	40 U	60	40 U	380	40 U	284
Antimony	**3**	UG/L	NA	**4.7**	NA	1.2 J	2.2	0.78 J	1.1 J	0.93 J	0.98 J
Arsenic	25	UG/L	4	4.2	3.3	3	3.4	3.3	3.6	3.3	3.4
Barium	1000	UG/L	110	111	18.3	16.1	143	165	142	168	152
Beryllium	3	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Calcium	--	UG/L	NA	97100	NA	292000	106000	94900	93000	92200	90400
Chromium III	--	UG/L	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Chromium, Hexavalent	50	UG/L	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Chromium, Total	50	UG/L	4 U	4 U	4 U	4 U	4 U	4 U	2.4 J	4 U	4 U
Cobalt	--	UG/L	NA	4 U	NA	4 U	0.6 J	4 U	4 U	4 U	4 U
Copper	200	UG/L	6.8	5.3	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Cyanide	200	UG/L	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Iron	**300**	UG/L	NA	120 U	NA	**2730**	**338**	222	**915**	237	**745**
Lead	25	UG/L	1.2 U	1.2 U	2.1	1.2 U	6.3	1.2 U	1.5	1.2 U	1.1 J
Magnesium	**35000**	UG/L	NA	**45000**	NA	22100	14400	**73300**	**68900**	**73300**	**68600**
Manganese	300	UG/L	23.8	24.5	192	193	41.4	69.5	80.4	70.4	76
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	2.1 J	1.9 J	1.7 J	1.3 J	2.2 J	4 U	1.6 J	4 U	1.4 J
Potassium	--	UG/L	NA	14800	NA	15400	5520	20900	20100	21000	20200
Selenium	10	UG/L	2 J	1.9 J	0.72 J	0.64 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Sodium	**20000**	UG/L	NA	**197000**	NA	**218000**	**24400**	**358000**	**316000**	**345000**	**323000**
Thallium	0.5	UG/L	NA	0.8 U	NA	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	--	UG/L	NA	5.3	NA	6.1	1.8 J	1 J	1.8 J	4 U	1.6 J
Zinc	2000	UG/L	16 U	16 U	21.2	17.7	89.2	5 J	10.2 J	7.1 J	8.5 J

Table 9. Summary of Metals in Groundwater, 2828 West 28th Street, Brooklyn, New York

		Sample Designation:	RXTW-2	RXTW-3	RXTW-3	RXTW-4	RXTW-4
		Sample Date:	09/12/2024	09/12/2024	09/12/2024	09/11/2024	09/11/2024
		Normal Sample or Field Duplicate:	N	N	N	N	N
		Total or Dissolved:	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units					
Aluminum	--	UG/L	40 U	47.3	40 U	40 U	40 U
Antimony	**3**	UG/L	1.8 J	0.79 J	0.88 J	1.1 J	1 J
Arsenic	25	UG/L	4.5	4.4	4.4	2 U	2 U
Barium	1000	UG/L	133	36.9	36.1	41.4	41.4
Beryllium	3	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	2 U	2 U	2 U	2 U	2 U
Calcium	--	UG/L	111000	84300	78700	42900	42700
Chromium III	--	UG/L	NA	10 U	NA	10 U	NA
Chromium, Hexavalent	50	UG/L	NA	10 U	NA	10 U	NA
Chromium, Total	50	UG/L	4 U	4 U	4 U	4 U	4 U
Cobalt	--	UG/L	0.56 J	4 U	4 U	0.81 J	0.76 J
Copper	200	UG/L	4 U	4 U	4 U	2.6 J	2.1 J
Cyanide	200	UG/L	NA	10 U	NA	10 U	NA
Iron	**300**	UG/L	**449**	**1570**	**1550**	**425**	**407**
Lead	25	UG/L	2	0.95 J	1.2 U	0.55 J	0.46 J
Magnesium	**35000**	UG/L	14100	9810	9260	14000	13800
Manganese	300	UG/L	54.6	60.3	63.2	62	61.5
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	1.9 J	4 U	4 U	2.6 J	2.4 J
Potassium	--	UG/L	5710	6480	6460	5480	5420
Selenium	10	UG/L	2.5 U	2.5 U	2.5 U	0.68 J	0.77 J
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U
Sodium	**20000**	UG/L	**28200**	**31700**	**32100**	**106000**	**104000**
Thallium	0.5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	--	UG/L	1.2 J	4 U	4 U	4 U	4 U
Zinc	2000	UG/L	77.4	27.3	20.8	13.7 J	11.3 J

Table 10. Summary of Polychlorinated Biphenyls in Groundwater, 2828 West 28th Street, Brooklyn, New York

		Sample Designation:	RXMW-1	RXMW-5	RXMW-6	RXMW-6	RXTW-2	RXTW-3	RXTW-4
		Sample Date:	09/13/2024	09/13/2024	09/12/2024	09/12/2024	09/12/2024	09/12/2024	09/11/2024
		Normal Sample or Field Duplicate:	N	N	N	FD	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
PCB-1016 (Aroclor 1016)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U

Table 11. Summary of Pesticides and Herbicides in Groundwater, 2828 West 28th Street, Brooklyn, New York

		Sample Designation:	RXMW-1	RXMW-5	RXMW-6	RXMW-6	RXTW-2	RXTW-3	RXTW-4
		Sample Date:	09/13/2024	09/13/2024	09/12/2024	09/12/2024	09/12/2024	09/12/2024	09/11/2024
		Normal Sample or Field Duplicate:	N	N	N	FD	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
Aldrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	--	UG/L	0.02 UT	0.02 UT	0.02 UT	0.02 UT	0.02 UT	0.02 UT	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlordane (Technical)	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-Chlordane	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 12. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 2828 West 28th Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	RXMW-1	RXMW-5	RXMW-6
Sample Designation:			RXMW-1	RXMW-5	RXMW-6
Sample Date:			09/13/2024	09/13/2024	09/12/2024
Normal Sample or Field Duplicate:			N	N	N
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	--	UG/L	0.00625 U	0.00624 U	0.00619 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	--	UG/L	0.0156 U	0.0156 U	0.0155 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	--	UG/L	0.0156 U	0.0156 U	0.0155 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	UG/L	0.00156 U	0.00156 U	0.00155 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	UG/L	0.0391 U	0.039 U	0.0387 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	UG/L	0.0391 U	0.039 U	0.0387 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	--	UG/L	0.00782 U	0.0078 U	0.00774 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	UG/L	0.00625 U	0.00624 U	0.00619 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	--	UG/L	0.00625 U	0.00624 U	0.00619 U
N-ethyl perfluoro-1-octanesulfonamide	--	UG/L	0.00156 U	0.00156 U	0.00155 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	UG/L	0.00156 U	0.00156 U	0.00155 U
N-methyl perfluoro-1-octanesulfonamide	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	UG/L	0.00313 U	0.00312 U	0.00309 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	--	UG/L	0.00313 U	0.00312 U	0.00309 U
Perfluoro(2-Propoxypropanoic) Acid	--	UG/L	0.00301 J	0.00624 U	0.00429 J
Perfluoro-3-methoxypropanoic acid (PFMPA)	--	UG/L	0.00313 U	0.00312 U	0.00309 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	--	UG/L	0.00313 U	0.00312 U	0.00309 U
Perfluorobutanesulfonic acid (PFBS)	--	UG/L	0.00661	0.00356	0.00228
Perfluorobutanoic Acid	--	UG/L	0.0113	0.00266 J	0.0137
Perfluorodecane Sulfonic Acid	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Perfluorodecanoic acid (PFDA)	--	UG/L	0.00156 U	0.00156 U	0.00085 J
Perfluorododecane sulfonate (PFDoDS)	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Perfluorododecanoic acid (PFDoA)	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Perfluoroheptane Sulfonate (PFHPS)	--	UG/L	0.00081 J	0.00233	0.00155 U
Perfluoroheptanoic acid (PFHpA)	--	UG/L	0.0105	0.00193	0.00578
Perfluorohexanesulfonic acid (PFHxS)	--	UG/L	0.00767	0.00309	0.00153 J
Perfluorohexanoic acid (PFHxA)	--	UG/L	0.0114	0.00243	0.0106
Perfluorononanesulfonic Acid (PFNS)	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Perfluorononanoic acid (PFNA)	--	UG/L	0.00478	0.00233	0.00294
Perfluorooctane Sulfonamide (FOSA)	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Perfluorooctanesulfonic acid (PFOS)	**0.0027**	UG/L	**0.0156**	**0.0329**	**0.0153**
Perfluorooctanoic acid (PFOA)	**0.0067**	UG/L	**0.377**	**0.0279**	**0.0208**

Table 12. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 2828 West 28th Street, Brooklyn, New York

	Sample Designation:		RXMW-1	RXMW-5	RXMW-6
	Sample Date:		09/13/2024	09/13/2024	09/12/2024
	Normal Sample or Field Duplicate:		N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units			
Perfluoropentanesulfonic Acid (PFPeS)	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Perfluoropentanoic Acid (PFPeA)	--	UG/L	0.00735	0.00165 J	0.00957
Perfluorotetradecanoic acid (PFTA)	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Perfluorotridecanoic Acid (PFTriA)	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Perfluoroundecanoic Acid (PFUnA)	--	UG/L	0.00156 U	0.00156 U	0.00155 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	UG/L	0.00625 U	0.00624 U	0.00619 U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	--	UG/L	0.00625 U	0.00624 U	0.00619 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	UG/L	0.00625 U	0.00624 U	0.00619 U

Table 13. Summary of Volatile Organic Compounds in Soil Vapor not Associated with Soil Vapor Intrusion, 2828 West 28th Street, Brooklyn, New York

Sample Designation:		RXSV-1	RXSV-2	RXSV-3	RXSV-4	RXSV-5	RXSV-5	RXSV-6	RXSV-7
Sample Date:		09/13/2024	09/13/2024	09/13/2024	09/13/2024	09/13/2024	09/13/2024	09/13/2024	09/13/2024
Normal Sample or Field Duplicate:		N	N	N	N	N	FD	N	N
Parameter	Units								
1,1,1-Trichloroethane (TCA)	UG/M3	1.1 U	1.1 U	**0.43 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.5 U	1.5 U	**0.55 J**	1.5 U	1.5 U	**0.42 J**	1.5 U	**0.45 J**
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	**2.5**	**2.6**	**4.4**	**2.1**	**1.7**	**0.92 J**	**1.9**	0.98 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	**0.76 J**	**0.58 J**	**1.2**	**0.52 J**	**0.5 J**	**0.54 J**	**0.51 J**	0.98 U
1,3-Butadiene	UG/M3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	**0.11 J**
1,3-Dichlorobenzene	UG/M3	**3.5**	1.2 U	**4.2**	1.2 U	**3.1**	**1.4**	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	18 U	18 U	18 U	18 U	**0.4 J**	18 U	**0.6 J**	**1.7 J**
2,2,4-Trimethylpentane	UG/M3	**0.25 J**	**0.35 J**	**0.64 J**	**0.94**	**0.2 J**	0.93 U	**0.26 J**	**0.25 J**
2-Chlorotoluene	UG/M3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	UG/M3	**1.1 J**	**1.2 J**	2 U	2 U	**0.64 J**	2 U	2 U	2 U
4-Ethyltoluene	UG/M3	**2.4**	**0.4 J**	**4.7**	**0.31 J**	**0.29 J**	0.98 U	**0.28 J**	0.98 U
Acetone	UG/M3	**54**	**75**	**43**	**28**	**27**	**28**	**43**	**38**
Allyl Chloride (3-Chloropropene)	UG/M3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	UG/M3	**1.3**	**0.45 J**	**1.5**	**0.58 J**	**0.87**	**0.45 J**	**0.45 J**	**0.77**
Benzyl Chloride	UG/M3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butane	UG/M3	**1.1 J**	**2.5**	**3.7**	**3**	**1.3**	**1.4**	**2**	**0.89 J**
Carbon Disulfide	UG/M3	**3.3**	**1.5 J**	**5.8**	**6**	**7**	**2.7**	**0.95 J**	**3.8**
Carbon Tetrachloride	UG/M3	0.22 U	**0.14 J**	**0.21 J**	**0.18 J**	0.22 U	0.22 U	**0.21 J**	0.22 U
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	**1 J**	**1.3 J**	**1.1 J**	**1.4 J**	**0.56 J**	**0.92 J**	**1.3 J**	**0.77 J**
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	UG/M3	**1.8**	**0.87 J**	**1.2**	**3.5**	**1.8**	**1.9**	**4.5**	**3.3**

Table 13. Summary of Volatile Organic Compounds in Soil Vapor not Associated with Soil Vapor Intrusion, 2828 West 28th Street, Brooklyn, New York

Sample Designation:		RXSV-1	RXSV-2	RXSV-3	RXSV-4	RXSV-5	RXSV-5	RXSV-6	RXSV-7
Sample Date:		09/13/2024	09/13/2024	09/13/2024	09/13/2024	09/13/2024	09/13/2024	09/13/2024	09/13/2024
Normal Sample or Field Duplicate:		N	N	N	N	N	FD	N	N
Parameter	Units								
Chloromethane	UG/M3	**0.34 J**	**0.37 J**	**0.91 J**	1 U	**0.82 J**	**0.79 J**	**0.4 J**	**0.4 J**
Cis-1,2-Dichloroethylene	UG/M3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cis-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	UG/M3	0.69 U	0.69 U	**0.26 J**	0.69 U	**0.2 J**	0.69 U	0.69 U	0.69 U
Cymene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	**2.1 J**	**1.9 J**	**1.8 J**	**1.8 J**	**1.4 J**	**2.1 J**	**2 J**	**1.6 J**
Ethylbenzene	UG/M3	**1.2**	**0.45 J**	**1.9**	**0.9**	**0.42 J**	0.87 U	**0.44 J**	0.87 U
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropanol	UG/M3	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Isopropylbenzene (Cumene)	UG/M3	**0.48 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
m,p-Xylene	UG/M3	**4.7**	**1.8 J**	**8.2**	**3.3**	**1.3 J**	**0.76 J**	**1.6 J**	2.2 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**6.8**	**7.5**	**2.2**	**3.4**	**3.2**	**2.1**	**2.4**	**4.3**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**0.57 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Methacrylate	UG/M3	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene Chloride	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Naphthalene	UG/M3	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
N-Heptane	UG/M3	**2.3**	**0.66 J**	**1.6**	**0.53 J**	**1.4**	**0.47 J**	**0.58 J**	**1.1**
N-Hexane	UG/M3	1.8 U	**0.67 J**	**0.83 J**	**0.89 J**	1.8 U	1.8 U	**0.71 J**	1.8 U
N-Propylbenzene	UG/M3	**0.98**	**0.25 J**	**2.1**	0.98 U	**0.26 J**	0.98 U	0.98 U	0.98 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**1.2**	**0.81 J**	**2.2**	**2.1**	**0.67 J**	**0.42 J**	**0.74 J**	0.87 U
Sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Styrene	UG/M3	**0.66 J**	0.85 U	**0.34 J**	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
T-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tert-Butyl Alcohol	UG/M3	**20**	**29**	**7.7 J**	**17**	**7.9 J**	**8.3 J**	**14 J**	**18**
Tert-Butyl Methyl Ether	UG/M3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Tetrachloroethylene (PCE)	UG/M3	**0.82 J**	**13**	**2.3**	**1.6**	**42**	**44**	**9.5**	**1.6**
Tetrahydrofuran	UG/M3	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Toluene	UG/M3	**5.1**	**4.7**	**9.2**	**9.5**	**2**	**0.96**	**5.8**	**0.55 J**
Trans-1,2-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trans-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethylene (TCE)	UG/M3	0.2 U	**0.18 J**	**0.41**	0.2 U	**0.15 J**	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	UG/M3	**1.1**	**2.7**	**1.3**	**1.1**	**1.4**	**1.6**	**3.8**	**1.2**
Vinyl Bromide	UG/M3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	UG/M3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 13. Summary of Volatile Organic Compounds in Soil Vapor not Associated with Soil Vapor Intrusion, 2828 West 28th Street, Brooklyn, New York

Sample Designation:		RXSV-8	RXSV-9
Sample Date:		09/13/2024	09/13/2024
Normal Sample or Field Duplicate:		N	N
Parameter	Units		
1,1,1-Trichloroethane (TCA)	UG/M3	**0.61 J**	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.5 U	1.5 U
1,1,2-Trichloroethane	UG/M3	1.1 U	**0.48 J**
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.2 U	0.2 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	**370 D**	**3.1**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	**1.2 J**
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	**150**	**0.72 J**
1,3-Butadiene	UG/M3	0.44 U	**0.21 J**
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	18 U	18 U
2,2,4-Trimethylpentane	UG/M3	**1.2**	**0.62 J**
2-Chlorotoluene	UG/M3	1 U	1 U
2-Hexanone	UG/M3	**1.2 J**	**2.3**
4-Ethyltoluene	UG/M3	**130**	**0.55 J**
Acetone	UG/M3	**230 D**	**120 D**
Allyl Chloride (3-Chloropropene)	UG/M3	1.6 U	1.6 U
Benzene	UG/M3	**0.84**	**1.8**
Benzyl Chloride	UG/M3	1 U	1 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U
Bromomethane	UG/M3	0.78 U	0.78 U
Butane	UG/M3	**1.5**	**59**
Carbon Disulfide	UG/M3	**3.1**	**10**
Carbon Tetrachloride	UG/M3	**0.14 J**	**0.14 J**
Chlorobenzene	UG/M3	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	**0.86 J**	**0.54 J**
Chloroethane	UG/M3	1.3 U	1.3 U
Chloroform	UG/M3	**0.94 J**	**0.65 J**

Table 13. Summary of Volatile Organic Compounds in Soil Vapor not Associated with Soil Vapor Intrusion, 2828 West 28th Street, Brooklyn, New York

Sample Designation:		RXSV-8	RXSV-9
Sample Date:		09/13/2024	09/13/2024
Normal Sample or Field Duplicate:		N	N
Parameter	Units		
Chloromethane	UG/M3	**0.34 J**	**0.48 J**
Cis-1,2-Dichloroethylene	UG/M3	0.2 U	0.2 U
Cis-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U
Cyclohexane	UG/M3	**0.28 J**	**0.43 J**
Cymene	UG/M3	**2**	1.1 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	**1.9 J**	**2.2 J**
Ethylbenzene	UG/M3	**4.1**	**3.7**
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U
Isopropanol	UG/M3	**4.6 J**	12 U
Isopropylbenzene (Cumene)	UG/M3	**13**	0.98 U
m,p-Xylene	UG/M3	**17**	**7**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**12**	**14**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	2 U	**1.1 J**
Methyl Methacrylate	UG/M3	2 U	2 U
Methylene Chloride	UG/M3	1.7 U	1.7 U
Naphthalene	UG/M3	**4.2**	2 U
N-Butylbenzene	UG/M3	**3.1**	1.1 U
N-Heptane	UG/M3	**3.3**	**49**
N-Hexane	UG/M3	**0.85 J**	**76**
N-Propylbenzene	UG/M3	**68**	**0.44 J**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**19**	**4.5**
Sec-Butylbenzene	UG/M3	**2.1**	1.1 U
Styrene	UG/M3	**2.2**	**1.8**
T-Butylbenzene	UG/M3	1.1 U	1.1 U
Tert-Butyl Alcohol	UG/M3	**29**	**29**
Tert-Butyl Methyl Ether	UG/M3	0.72 U	0.72 U
Tetrachloroethylene (PCE)	UG/M3	**4.3**	**19**
Tetrahydrofuran	UG/M3	15 U	15 U
Toluene	UG/M3	**9.8**	**7.8**
Trans-1,2-Dichloroethene	UG/M3	0.79 U	0.79 U
Trans-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U
Trichloroethylene (TCE)	UG/M3	0.2 U	**0.4**
Trichlorofluoromethane	UG/M3	**1.4**	**7.5**
Vinyl Bromide	UG/M3	0.87 U	0.87 U
Vinyl Chloride	UG/M3	0.2 U	0.2 U

FIGURES

1. Site Location Map
2. Tax Map
3. Existing Site Conditions Plan
4. Adjacent Property Owners
5. Land Use and Sensitive Receptors Map
6. Geologic Cross Section
7. Groundwater Flow Map
8. Summary of Soil Exceedances
9. Summary of Groundwater Exceedances
10. Summary of Soil Vapor Detections
11. Proposed Sample Locations

QUADRANGLE LOCATION

N

1,000 0 1,000'

Title:

SITE LOCATION MAP

2828 W28TH STREET
BROOKLYN, NEW YORK 11224

Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 08/06/2025
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: L.D.	Project: 3868.0006Y000
File: 3868.0006Y106.1.mxd	

FIGURE 1

V:\GIS\PROJECTS\3868\0006Y\106\3868.0006Y106.1.MXD

N

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

7011 BLOCK
11 LOT

NOTES

1. PARCEL SOURCE: MAPPLUTO
DEPARTMENT OF CITY PLANNING (DCP)

60 0 60'

Title:

TAX MAP

2828 W28TH STREET
BROOKLYN, NEW YORK 11224

Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 08/06/2025	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	2
Project Mgr: L.D.	Project: 3868.0006Y000	
File: 3868.0006Y106.2.mxd		

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N

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)

100 0 100'

Title:

EXISTING SITE CONDITIONS

2828 W28TH STREET
BROOKLYN, NEW YORK 11224

Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 12/03/2025	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	3
Project Mgr: L.D.	Project: 3868.0006Y000	
File: 3868.0006Y106.3.mxd		

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NYC DEPARTMENT OF
PARKS AND RECREATION
BK-6965-100

NEPTUNE AVE

CALVARY TABERNACLE
OF CONEY ISLAND
BK-7011-1

NEW SEA PARK NORTH
HOUSING DEVELOPMENT
BK-7011-11

USPS
BK-7012-51

W 29 ST

W 28 ST

W 27 ST

FENG, SHU TING BK-7010-7
FRANK BROWN BK-7010-8
STEIN, STUART BK-7010-9
LEON HARRIS BK-7010-10
LI, ZHI SHEN BK-7010-11
CHIN, RICHARD BK-7010-13
FERNANDEZ, LUIS A BK-7010-14
LIANG, ZHUO QIN BK-7010-15
LIN, CHARLIE BK-7010-16
CAI, YUELING BK-7010-17
CHEN, YUZHEN BK-7010-18
LIU, JIWEN BK-7010-19
ZHENG, XIAO QUN BK-7010-20
LI, CHENSHAN BK-7010-21
MOY, NGAN CHUN BK-7010-22
JOHNSON, APRIL BK-7010-23
LEI, JIN CHAO BK-7010-24
LUI, WAI MING BK-7010-25
HOWARD RICHARD H BK-7010-26
CHEN, JIACHANG BK-7010-27
YEE, RAYMOND BK-7010-28
GREEN, MATTIE BK-7010-29
AU, ALAN CHUNYI BK-7010-30
POWELL, CICELY BK-7010-31
PANG CHUN K BK-7010-32
CECILIA MENDEZ BK-7010-33
LEE , K. F. WALLACE BK-7010-34
TAN, CANDICE BK-7010-35
LEE HIU P BK-7010-36

JEN HAI WEI BK-7011-97
ELAGMY, HASSAN A BK-7011-96
JACQUELINE NOEL BK-7011-95
WINSTON D CAMERON BK-7011-94
HILL, WENDY BK-7011-93
CHOW, FEE LIN BK-7011-92
FANG WU, YI HUA BK-7011-91
ALLISON A ROBERTSON BK-7011-90
WONG KHEI YEW BK-7011-89
YU, YANZHEN BK-7011-88
IAN BO BK-7011-87
LEI, YUN SHENG BK-7011-86
PENG JI FENG BK-7011-85
WILSON, NORMA E BK-7011-84
MONESTIME, JEAN K BK-7011-83
CHAN, TIN LOOY BK-7011-76
LIU, GUANG YUAN BK-7011-72
GOMES, LEARIE P BK-7011-71
HO-YOUNG, MICHAEL R BK-7011-70
POWELL MARY V BK-7011-69
ABUSABE, HASAN BK-7011-68
HE, MIAOCI BK-7011-67
HEWGO L PETERS BK-7011-66
MAISONET, HECTOR BK-7011-65
JIN WEI LEI BK-7011-64
YUE ZHENG, KE BK-7011-63

DANILCHENKO, VLADIMIR BK-7012-1
RICHARDSON JUDY BK-7012-2
TAN, YI MING BK-7012-3
MUI TRAN BK-7012-4
LUE BK-7012-5
GUAN, WEN
MEI BK-7012-6
CHEUNG, YEE
YONG HENG LI BK-7012-7
WEEKES, CHRISTINE BK-7012-9
LOUIE NG BK-7012-10
KENG L MUI BK-7012-11
FENG, CHU LIANG BK-7012-12
WINSTON, DAVID BK-7012-13
BARBARA TELESFORD BK-7012-14
HU, HONG YAN BK-7012-15
MEI, JINMING BK-7012-88
YAN, GUO QUAN BK-7012-87
YUAN, FU BIAO BK-7012-86
ZHU, JI YOU BK-7012-85
BASTIEN, DANIEL BK-7012-84
CHAN YUK YEE FUNG BK-7012-83
CHU, ANGELA BK-7012-82
IVA L CURTIS BK-7012-81
ZHENG, SUYUAN BK-7012-80
RICHE WEI BK-7012-79
DALEY, BEVERLY BK-7012-78
GUO, YINGYAN BK-7012-77
YU, QIAOCHAN BK-7012-76
CHEN, AIZHUANG BK-7012-75
NADIA HAQUE BK-7012-74
AUBREY NORTHE BK-7012-73
ZHOU, RIMING BK-7012-72
WU, PEIWEN BK-7012-71
YU, MEI E BK-7012-70
BROWN HAROLD W BK-7012-20
CHAMO, JULIO BK-7012-21
WING KAR LAM BK-7012-22
CHOW RUI X BK-7012-23
BAK CHEI CHIU BK-7012-24
MARIE F SOUFFRANT BK-7012-25
WU, MIAOCHANG BK-7012-26
YE, GUANYUN BK-7012-27
RADCLIFFE SYLVESTER BK-7012-28
FENG, YAN ZHAN BK-7012-29
LO, YAT C. BK-7012-30
CHUN, CHUNG NING BK-7012-31
YAIT MYU YIP BK-7012-32
ZHEN, BAI WEI BK-7012-33
WU, AI LIAN BK-7012-34
WU YUN CHUAN WU, JOHNNY BK-7012-35
AMY PANG BK-7012-36
CHENG, SHU LING BK-7012-37
CHAN, NANCY BK-7012-38
LU, QINWEN BK-7012-39
THE LUONG TRUST BK-7012-140
CHEN, RAYMOND JIAMING BK-7012-141
HUANG, YAN SHAN BK-7012-142
CEN, YUE MEI BK-7012-143
GOH, SIEW-FONG BK-7012-144
CHIEH CHEN CHOU AS TRUSTEE BK-7012-145

N

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

1. PARCEL SOURCE: MAPPLUTO
   DEPARTMENT OF CITY PLANNING (DCP)

60 0 60'

Title:

ADJACENT LAND OWNERS

2828 W28TH STREET
BROOKLYN, NEW YORK 11224

Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 08/06/2025	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	4
Project Mgr: L.D.	Project: 3868.0006Y000	
File: 3868.0006Y106.4.mxd		

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LEGEND

- 1/4 MILE RADIUS AROUND SITE
- SITE BOUNDARY

SENSITIVE RECEPTOR

- SCHOOLS (K-12)
- RESIDENTIAL HEALTHCARE
- PUBLIC HOUSING
- PARKS AND PLAZAS
- LIBRARIES
- HEALTH CARE
- DAY CARE AND PRE-KINDERGARTEN

LAND USE CATEGORIES

- ONE & TWO FAMILY BUILDINGS
- MULTI-FAMILY WALK-UP BUILDINGS
- MULTI-FAMILY ELEVATOR BUILDINGS
- MIXED COMMERCIAL & RESIDENTIAL BUILDINGS
- COMMERCIAL & OFFICE BUILDINGS
- INDUSTRIAL & MANUFACTURING
- TRANSPORTATION & UTILITY
- PUBLIC FACILITES & INSTITUTIONS
- OPEN SPACE & OUTDOOR RECREATION
- PARKING FACILITIES
- VACANT LAND

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)
2. PARCEL SOURCE INCLUDING LAND USE: CITY OF NEW YORK DEPARTMENT CITY PLANNING (DCP): ZOLA

400 0 400'

Title:

LAND USE AND SENSITIVE RECEPTORS MAP

2828 W28TH STREET
BROOKLYN, NEW YORK 11224

Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 08/29/2025	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	5
Project Mgr: L.D.	Project: 3868.0006Y000	
File: 3868.0006Y106.5.mxd		

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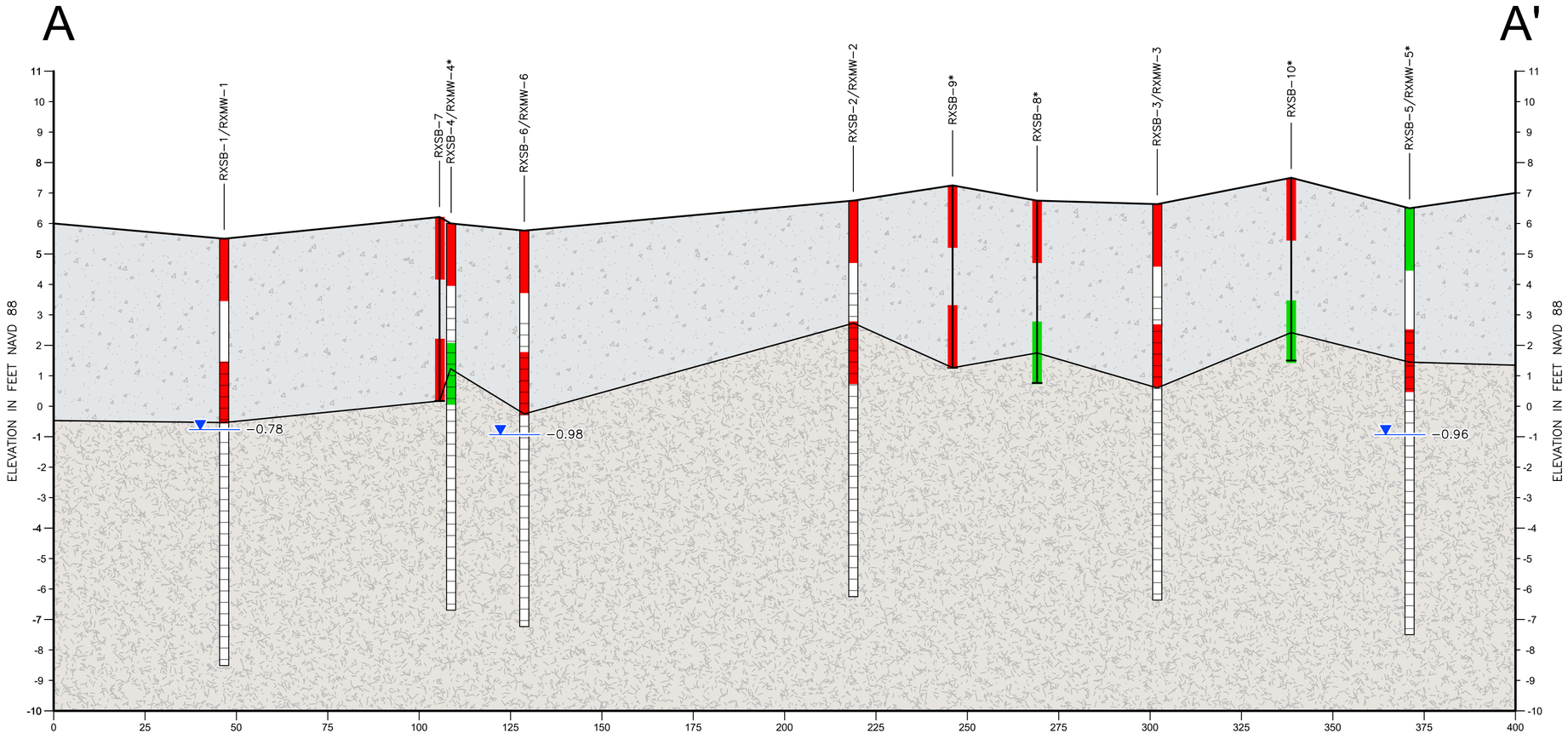
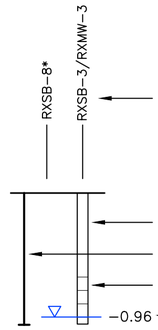


CROSS SECTION A–A'

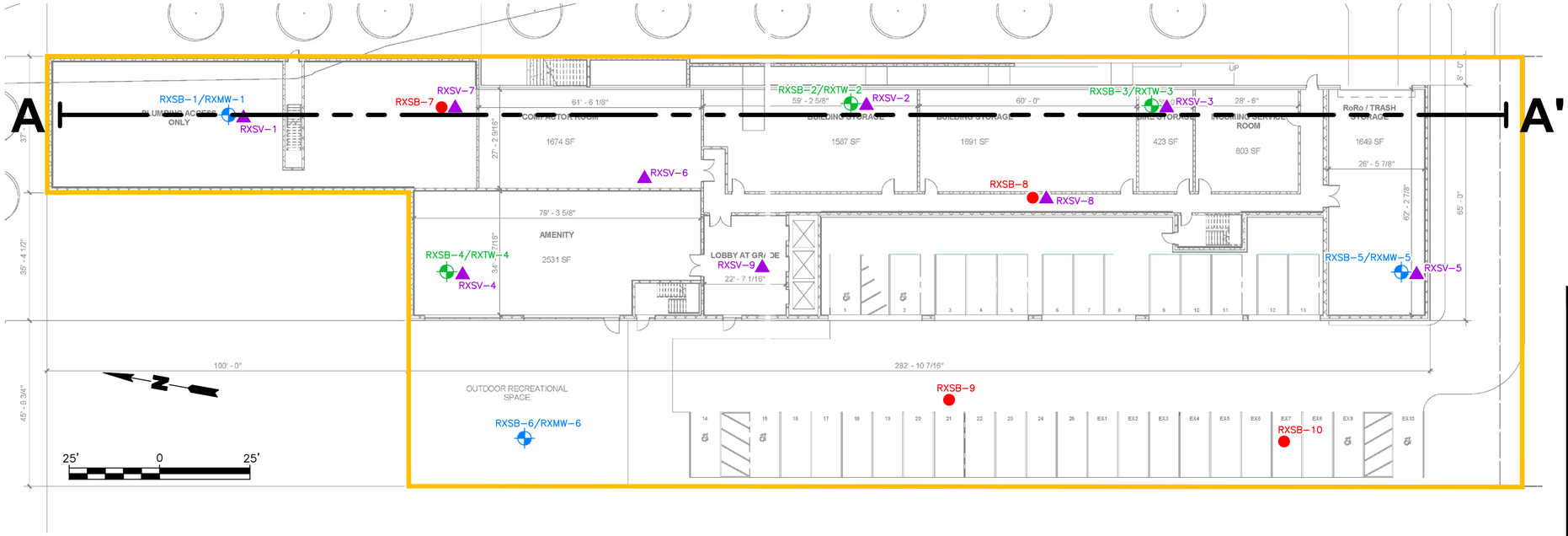
HORIZONTAL SCALE: 1" = 25'
VERTICAL SCALE: 1" = 3'

KEY

- FILL MATERIAL
- GRAY SAND/BROWN SAND TRACE GRAVEL
- * PROJECTED
- ONE OR MORE ANALYTES EXCEED THE PART 375 RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES
- ALL ANALYTES MET THE PART 375 RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES



- ID NUMBER (* INDICATES PROJECTED)
- WELL CASING
- BOREHOLE
- SCREEN SECTION
- WATER TABLE ELEVATION IN FEET NAVD 88 (SEPTEMBER 12, 2024)



LEGEND

- SITE BOUNDARY
- RXSB-1/RXMW-1 — LOCATION AND DESIGNATION OF SOIL BORING AND PERMANENT MONITORING WELL
- RXSB-2/RXTW-2 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING AND TEMPORARY MONITORING WELL
- RXSV-1 — APPROXIMATE LOCATION AND DESIGNATION OF TEMPORARY SOIL VAPOR POINT
- RXSB-7 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING
- NAVD 88 — NORTH AMERICAN VERTICAL DATUM OF 1988

Title:

SITE CROSS SECTION

2828 WEST 28TH STREET
BROOKLYN, NEW YORK

Prepared for:

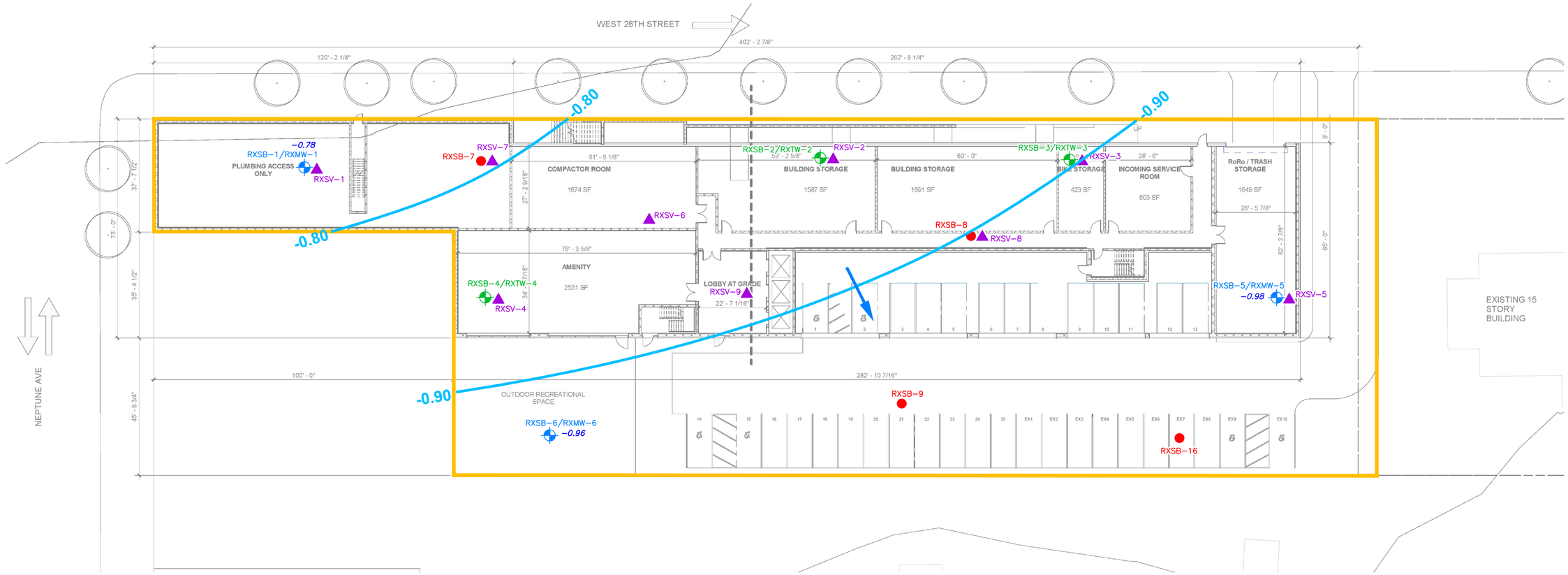
SPN SENIOR LIVING LLC

ROUX

Compiled by: J.M.	Date: 9/15/2025
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: J.M.	Project: 3868.0006Y000
File: 3868.0006Y106.03.DWG	

FIGURE 6

V:\CAD\PROJECTS\3868\Y0006Y106\3868.0006Y106.03.DWG GMILTON



LEGEND

	SITE BOUNDARY
RXSB-1/RXMW-1	LOCATION AND DESIGNATION OF SOIL BORING AND PERMANENT MONITORING WELL – 2024 OER RI
RXSB-2/RXTW-2	APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING AND TEMPORARY MONITORING WELL – 2024 OER RI
RXSV-1	APPROXIMATE LOCATION AND DESIGNATION OF TEMPORARY SOIL VAPOR POINT – 2024 OER RI
RXSB-7	APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING – 2024 OER RI
-0.96	GROUNDWATER ELEVATION, IN FEET RELATIVE TO MEAN SEA LEVEL (NAVD88)
-0.80	LINE OF EQUAL GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
	ESTIMATED DIRECTION OF GROUNDWATER FLOW
OER	NEW YORK CITY OFFICE OF ENVIRONMENTAL REMEDIATION
RI	REMEDIAL INVESTIGATION

NOTES

1. GROUNDWATER ELEVATIONS BASED ON GAUGING DATA COLLECTED ON SEPTEMBER 12–13, 2024.
2. NAVD88 REFERS TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.

N

25' 0 25'

Title:

GROUNDWATER FLOW MAP

2828 WEST 28TH STREET
BROOKLYN, NEW YORK

Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 9/15/2025	FIGURE 7
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: S.S.	Project: 3868.0006Y000	
File: 3868.0006Y106.02.DWG		

V:\CAD\PROJECTS\3868Y\0006Y\106\3868.0006Y106.02.DWG GMILTON

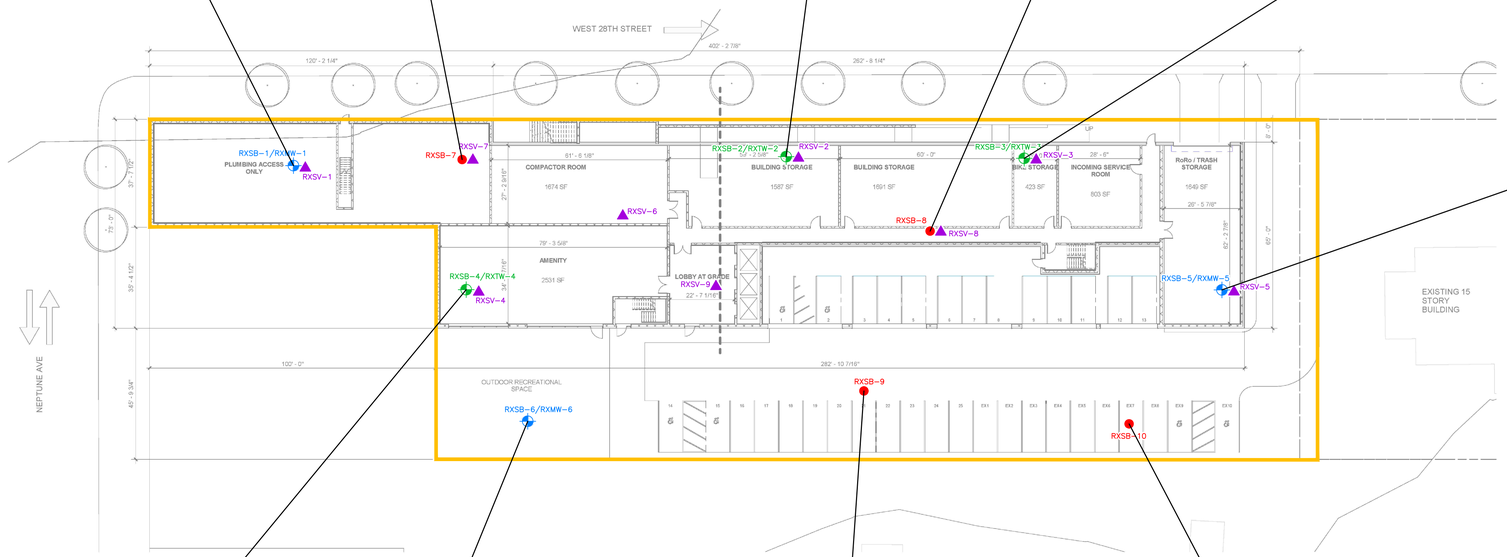
RXSB-1	09/10/2024	09/10/2024
Final Boring Depth (ft bls)	14	
Sample Depth (ft bls)	0 - 2	4 - 6
SVOCs		
Benzo(A)Anthracene	NE	**1.5**
Benzo(A)Pyrene	NE	**1.6**
Benzo(B)Fluoranthene	NE	**2.2**
Benzo(K)Fluoranthene	NE	**0.96**
Chrysene	NE	**1.5**
Indeno(1,2,3-C,D)Pyrene	**1**	**0.82**
Metals		
Arsenic	NE	4.5
Barium	NE	**420**
Lead	**441**	**589**
Mercury	**0.43**	**0.39**
Zinc	**342**	**467**
Pesticides		
P,P'-DDE	**0.0051 J**	**0.0044 J**
P,P'-DDT	**0.0072**	**0.014**

RXSB-7	09/10/2024	09/10/2024
Final Boring Depth (ft bls)	6	
Sample Depth (ft bls)	0 - 2	4 - 6
SVOCs		
Benzo(A)Anthracene	NE	**3.5**
Benzo(A)Pyrene	NE	**3.5**
Benzo(B)Fluoranthene	**1.5**	**4.6**
Benzo(K)Fluoranthene	NE	**2.4**
Chrysene	NE	**3.5**
Dibenz(A,H)Anthracene	NE	**0.37**
Indeno(1,2,3-C,D)Pyrene	**0.53**	**1.5**
Metals		
Barium	**2290**	NE
Lead	**579**	**207**
Mercury	**0.43**	NE
Zinc	**966**	**243**
Pesticides		
P,P'-DDT	ND	**0.011**

RXSB-2	09/10/2024	09/10/2024
Final Boring Depth (ft bls)	13	
Sample Depth (ft bls)	0 - 2	4 - 6
SVOCs		
Benzo(A)Anthracene	NE	**2.2**
Benzo(A)Pyrene	NE	**1.8**
Benzo(B)Fluoranthene	NE	**2.9**
Benzo(K)Fluoranthene	NE	**1.2**
Chrysene	NE	**2.2**
Dibenz(A,H)Anthracene	**1.6**	NE
Indeno(1,2,3-C,D)Pyrene	**1.9**	**0.99**
Metals		
Arsenic	**17.5**	NE
Barium	**2450**	NE
Cadmium	**17.7**	NE
Chromium III	**382**	NE
Chromium, Hexavalent	**1.5 J**	ND
Chromium, Total	**383**	NE
Copper	**813**	NE
Lead	**9060**	NE
Mercury	**8.6**	NE
Nickel	**391**	NE
Zinc	**11500**	**146**
PCBs		
Polychlorinated Biphenyl (PCBs)	**3.9**	ND

RXSB-8	09/09/2024	09/09/2024
Final Boring Depth (ft bls)	6	
Sample Depth (ft bls)	0 - 2	4 - 6
SVOCs		
Benzo(B)Fluoranthene	**1.1**	NE
Indeno(1,2,3-C,D)Pyrene	**0.53**	NE
Metals		
Barium	**388**	NE
Lead	**370**	**320**
Mercury	**0.38**	NE
Zinc	**318**	**262**
Pesticides		
P,P'-DDE	**0.0041 J**	ND
P,P'-DDT	**0.0034 J**	ND

RXSB-3	09/09/2024	09/09/2024
Final Boring Depth (ft bls)	13	
Sample Depth (ft bls)	0 - 2	4 - 6
SVOCs		
Benzo(A)Anthracene	**1.3**	**1.8**
Benzo(A)Pyrene	**1.4**	**2**
Benzo(B)Fluoranthene	**1.9**	**2.5**
Benzo(K)Fluoranthene	NE	**1.2 T**
Chrysene	**1.3**	**1.8**
Indeno(1,2,3-C,D)Pyrene	**0.96**	**1**
Metals		
Barium	**628**	**448**
Copper	NE	**73.8**
Lead	**585**	**634**
Mercury	**0.19**	NE
Zinc	**459**	**503**
Pesticides		
P,P'-DDT	**0.0046 J**	ND



RXSB-5	09/09/2024	09/09/2024
Final Boring Depth (ft bls)	14	
Sample Depth (ft bls)	0 - 2	4 - 6
SVOCs		
Benzo(A)Anthracene	NE	**1.9**
Benzo(A)Pyrene	NE	**2**
Benzo(B)Fluoranthene	NE	**2.9**
Benzo(K)Fluoranthene	NE	**1.1 T**
Chrysene	NE	**1.9**
Indeno(1,2,3-C,D)Pyrene	NE	**1.4**
Metals		
Barium	NE	**786**
Lead	**316**	**724**
Mercury	NE	**0.19**
Zinc	**334**	**493**
Pesticides		
P,P'-DDD	ND	**0.066**
P,P'-DDE	**0.004 J**	**0.021**
P,P'-DDT	**0.0063 J**	**0.011**

RXSB-4	09/10/2024	09/10/2024
Final Boring Depth (ft bls)	13	
Sample Depth (ft bls)	0 - 2	4 - 6
SVOCs		
Benzo(A)Anthracene	**2.6**	NE
Benzo(A)Pyrene	**2.9**	NE
Benzo(B)Fluoranthene	**4.2**	NE
Benzo(K)Fluoranthene	**1.7**	NE
Chrysene	**2.6**	NE
Indeno(1,2,3-C,D)Pyrene	**1.1**	NE
Metals		
Barium	**583**	NE
Cadmium	**2.7**	NE
Copper	**61.2**	NE
Lead	**643**	**255**
Mercury	**1.1**	NE
Zinc	**544**	**397**
PCBs		
Polychlorinated Biphenyl (PCBs)	**0.18**	ND
Pesticides		
P,P'-DDE	**0.014**	ND
P,P'-DDT	**0.027**	ND

RXSB-6	09/10/2024	09/10/2024
Final Boring Depth (ft bls)	13	
Sample Depth (ft bls)	0 - 2	4 - 6
SVOCs		
Benzo(A)Anthracene	NE	**1.4**
Benzo(A)Pyrene	NE	**1.2**
Benzo(B)Fluoranthene	**1.3**	**1.6**
Chrysene	NE	**1.2**
Indeno(1,2,3-C,D)Pyrene	**0.57**	**0.61**
Metals		
Barium	**387**	NE
Copper	**90.3**	NE
Lead	**475**	**122**
Mercury	**0.73**	NE
Zinc	**553**	NE
Pesticides		
P,P'-DDE	**0.0064 J**	ND
P,P'-DDT	**0.0076**	ND

RXSB-9	09/09/2024	09/09/2024
Final Boring Depth (ft bls)	6	
Sample Depth (ft bls)	0 - 2	4 - 6
SVOCs		
Benzo(A)Anthracene	NE	**5.6**
Benzo(A)Pyrene	**1.1**	**5.1**
Benzo(B)Fluoranthene	**1.5**	**7**
Benzo(K)Fluoranthene	NE	**2.5**
Chrysene	**1.2**	**5.6**
Dibenz(A,H)Anthracene	NE	**0.81**
Indeno(1,2,3-C,D)Pyrene	**0.74**	**3**
Metals		
Barium	**357**	**462**
Lead	**449**	**633**
Mercury	**0.37**	**0.27**
Zinc	**385**	**379**
Pesticides		
P,P'-DDD	ND	**0.012**
P,P'-DDE	**0.0099**	**0.0073**
P,P'-DDT	**0.012**	**0.022**

RXSB-10	09/09/2024	09/09/2024	09/09/2024
Final Boring Depth (ft bls)	6		
Sample Depth (ft bls)	0 - 2	0 - 2 DUP	4 - 6
SVOCs			
Benzo(A)Anthracene	**2.9**	NE	NE
Benzo(A)Pyrene	**3**	NE	NE
Benzo(B)Fluoranthene	**3.9**	NE	NE
Benzo(K)Fluoranthene	**1.8 T**	NE	NE
Chrysene	**2.9**	NE	NE
Dibenz(A,H)Anthracene	**0.49**	NE	NE
Indeno(1,2,3-C,D)Pyrene	**2.1**	NE	NE
Metals			
Lead	**1320**	**259**	**111**
Zinc	**230**	**209**	NE
Pesticides			
P,P'-DDT	NE	**0.0036 J**	ND

LEGEND

SITE BOUNDARY

RXSB-1/RXMW-1 — LOCATION AND DESIGNATION OF SOIL BORING AND PERMANENT MONITORING WELL – 2024 OER RI

RXSB-2/RXTW-2 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING AND TEMPORARY MONITORING WELL – 2024 OER RI

RXSV-1 — APPROXIMATE LOCATION AND DESIGNATION OF TEMPORARY SOIL VAPOR POINT – 2024 OER RI

RXSB-7 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING – 2024 OER RI

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → RXSB-8	09/09/2024	09/09/2024	← SAMPLE DATE
Final Boring Depth (ft bls)	6		← SAMPLE DEPTH (FT)
Sample Depth (ft bls)	0 - 2	4 - 6	
SVOCs			
ANALYTES → Benzo(B)Fluoranthene	**1.1**	NE	→ CONCENTRATIONS (mg/kg)
Indeno(1,2,3-C,D)Pyrene	**0.53**	NE	
Metals			
Barium	**388**	NE	
Lead	**370**	**320**	
Mercury	**0.38**	NE	
Zinc	**318**	**262**	
Pesticides			
P,P'-DDE	**0.0041 J**	ND	
P,P'-DDT	**0.0034 J**	ND	

Parameter	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	Units
VOCs	NE	NE	NE	mg/kg
SVOCs				
Benzo(A)Anthracene	**1**	1	1	mg/kg
Benzo(A)Pyrene	**1**	1	22	mg/kg
Benzo(B)Fluoranthene	**1**	1	1.7	mg/kg
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	mg/kg
Chrysene	**1**	3.9	1	mg/kg
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	mg/kg
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	mg/kg
Metals				
Arsenic	**13**	16	16	mg/kg
Barium	**350**	400	820	mg/kg
Cadmium	**2.5**	4.3	7.5	mg/kg
Chromium III	**30**	180	--	mg/kg
Chromium, Hexavalent	**1**	110	19	mg/kg
Chromium, Total	**30**	180	--	mg/kg
Copper	**50**	270	1720	mg/kg
Lead	**63**	400	450	mg/kg
Mercury	**0.18**	0.81	0.73	mg/kg
Nickel	**30**	310	130	mg/kg
Zinc	**109**	10000	2480	mg/kg
PCBs				
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	mg/kg
Pesticides				
P,P'-DDD	**0.0033**	13	14	mg/kg
P,P'-DDE	**0.0033**	8.9	17	mg/kg
P,P'-DDT	**0.0033**	7.9	136	mg/kg
PFAS	NE	NE	NE	mg/kg

mg/kg – MILLIGRAMS PER KILOGRAM

NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

-- – NO NYSDEC PART 375 SOIL CLEANUP OBJECTIVES AVAILABLE

J – ESTIMATED VALUE

DUP – DUPLICATE SAMPLE

VOCS – VOLATILE ORGANIC COMPOUNDS

SVOCS – SEMIVOLATILE ORGANIC COMPOUNDS

PCBS – POLYCHLORINATED BIPHENYLS

PFAS – PER-AND POLYFLUOROALKYL SUBSTANCES

NE – NO EXCEEDANCE

ND – NO DETECTION

FT BLS – FEET BELOW LAND SURFACE

OER – NEW YORK CITY OFFICE OF ENVIRONMENTAL REMEDIATION

RI – REMEDIAL INVESTIGATION

TCLP – TOXICITY CHARACTERISTIC LEACHING POTENTIAL

25' 0 25'

Title:

SUMMARY OF EXCEEDANCES IN SOIL

BROOKLYN, NEW YORK
2828 WEST 28TH STREET

Prepared for:

SPN SENIOR LIVING LLC

ROUX

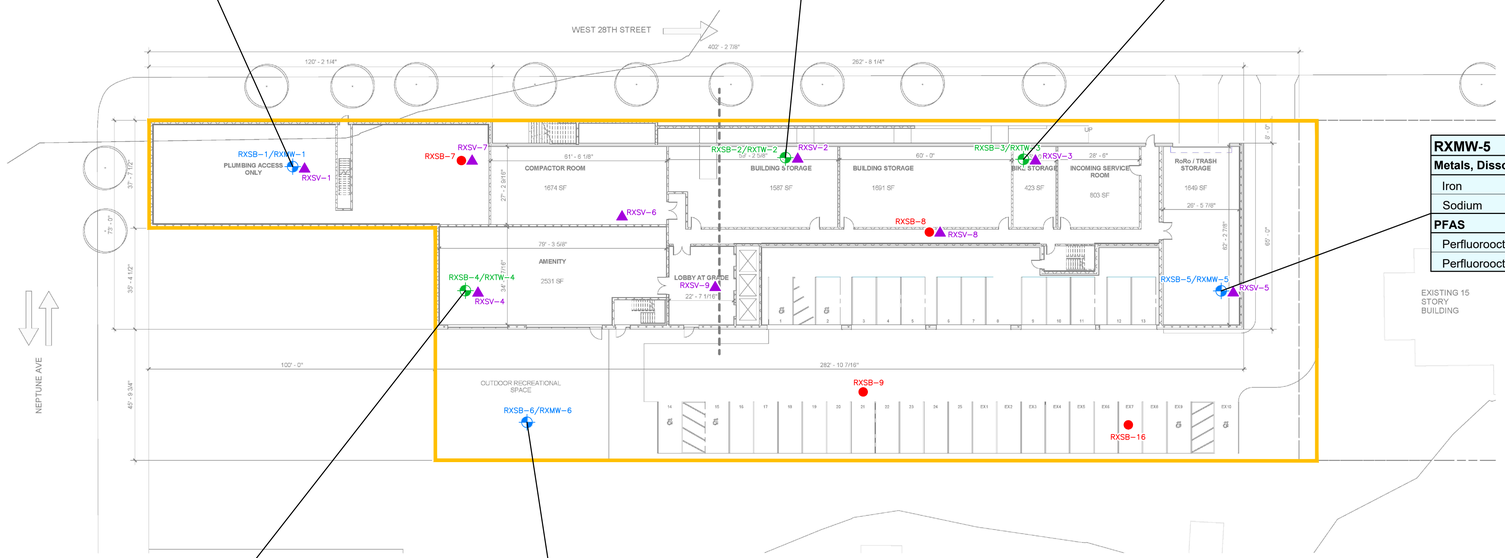
Compiled by: S.S.	Date: 12/3/2025	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	8
Project Mgr: S.S.	Project: 3868.0006Y000	
File: 3868.0006Y106.02.DWG		

I:\CAD\PROJECTS\3868\Y\0006Y\106\3868.0006Y106.02.DWG DIALTON

RXMW-1	09/13/2024
Metals, Dissolved	
Antimony	**4.7**
Magnesium	**45000**
Sodium	**197000**
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**0.0156**
Perfluorooctanoic acid (PFOA)	**0.377**

RXTW-2	09/12/2024
Metals, Total	
Iron	**745**
Magnesium	**68600**
Sodium	**323000**
Metals, Dissolved	
Iron	**449**
Sodium	**28200**

RXTW-3	09/12/2024
Metals, Total	
Iron	**1570**
Sodium	**31700**
Metals, Dissolved	
Iron	**1550**
Sodium	**32100**



RXMW-5	09/13/2024
Metals, Dissolved	
Iron	**2730**
Sodium	**218000**
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**0.0329**
Perfluorooctanoic acid (PFOA)	**0.0279**

RXTW-4	09/11/2024
Metals, Total	
Iron	**425**
Sodium	**106000**
Metals, Dissolved	
Iron	**407**
Sodium	**104000**

RXMW-6	09/12/2024	09/12/2024 DUP
Metals, Total		
Iron	**338**	**915**
Magnesium	NE	**68900**
Sodium	**24400**	**316000**
Metals, Dissolved		
Magnesium	**73300**	**73300**
Sodium	**358000**	**345000**
PFAS		
Perfluorooctanesulfonic acid (PFOS)	**0.0153**	NA
Perfluorooctanoic acid (PFOA)	**0.0208**	NA

LEGEND

- SITE BOUNDARY
- RXSB-1/RXMW-1 — LOCATION AND DESIGNATION OF SOIL BORING AND PERMANENT MONITORING WELL – 2024 OER RI
- RXSB-2/RXTW-2 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING AND TEMPORARY MONITORING WELL – 2024 OER RI
- RXSV-1 — APPROXIMATE LOCATION AND DESIGNATION OF TEMPORARY SOIL VAPOR POINT – 2024 OER RI
- RXSB-7 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING – 2024 OER RI

TYPICAL DATA BOX INFORMATION

SAMPLE ID → RXMW-1	09/13/2024 ← SAMPLE DATE
Metals, Dissolved	
Antimony	**4.7**
Magnesium	**45000**
Sodium	**197000**
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**0.0156**
Perfluorooctanoic acid (PFOA)	**0.377**

ANALYTES → CONCENTRATIONS (µg/L)

Parameter	NYSDEC AWQSGV	Units
VOCs	NE	µg/L
SVOCs	ND	µg/L
Metals, Total		
Antimony	**3**	µg/L
Iron	**300**	µg/L
Magnesium	**35000**	µg/L
Sodium	**20000**	µg/L
Metals, Dissolved		
Antimony	**3**	µg/L
Iron	**300**	µg/L
Magnesium	**35000**	µg/L
Sodium	**20000**	µg/L
PCBs	ND	µg/L
Pesticides	ND	µg/L
PFAS		
Perfluorooctanesulfonic acid (PFOS)	**0.0027**	µg/L
Perfluorooctanoic acid (PFOA)	**0.0067**	µg/L

CONCENTRATIONS IN µg/L

µg/L – MICROGRAMS PER LITER

NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AWQSGVS – AMBIENT WATER–QUALITY STANDARDS AND GUIDANCE VALUES

-- – NO NYSDEC AWQSGV AVAILABLE

J – ESTIMATED VALUE

DUP – DUPLICATE SAMPLE

VOCS – VOLATILE ORGANIC COMPOUNDS

SVOCS – SEMIVOLATILE ORGANIC COMPOUNDS

PCBS – POLYCHLORINATED BIPHENYLS

PFAS – PER–AND POLYFLUOROALKYL SUBSTANCES

NE – NO EXCEEDANCES

ND – NO DETECTION

OER – NEW YORK CITY OFFICE OF ENVIRONMENTAL REMEDIATION

RI – REMEDIAL INVESTIGATION

TCLP – TOXICITY CHARACTERISTIC LEACHING POTENTIAL

25' 0 25'

Title:

SUMMARY OF EXCEEDANCES IN GROUNDWATER

BROOKLYN, NEW YORK
2828 WEST 28TH STREET

Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 9/15/2025
Prepared by: G.M.	Scale: AS SHOWN
Project Mgr: S.S.	Project: 3868.0006Y000
File: 3868.0006Y106.02.DWG	

FIGURE 9

H:\CAD\PROJECTS\3868Y\0006Y\106\3868.0006Y106.02.DWG GMILTON

RXSV-1	09/13/2024
VOCs	
1,2,4-Trimethylbenzene	**2.5**
1,3,5-Trimethylbenzene (Mesitylene)	**0.76 J**
1,3-Dichlorobenzene	**3.5**
2,2,4-Trimethylpentane	**0.25 J**
2-Hexanone	**1.1 J**
4-Ethyltoluene	**2.4**
Acetone	**54**
Benzene	**1.3**
Butane	**1.1 J**
Carbon Disulfide	**3.3**
Chlorodifluoromethane	**1 J**
Chloroform	**1.8**
Chloromethane	**0.34 J**
Dichlorodifluoromethane	**2.1 J**
Ethylbenzene	**1.2**
Isopropylbenzene (Cumene)	**0.48 J**
m,p-Xylene	**4.7**
Methyl Ethyl Ketone (2-Butanone)	**6.8**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**0.57 J**
N-Heptane	**2.3**
N-Propylbenzene	**0.98**
O-Xylene (1,2-Dimethylbenzene)	**1.2**
Styrene	**0.66 J**
Tert-Butyl Alcohol	**20**
Tetrachloroethylene (PCE)	**0.82 J**
Toluene	**5.1**
Trichlorofluoromethane	**1.1**

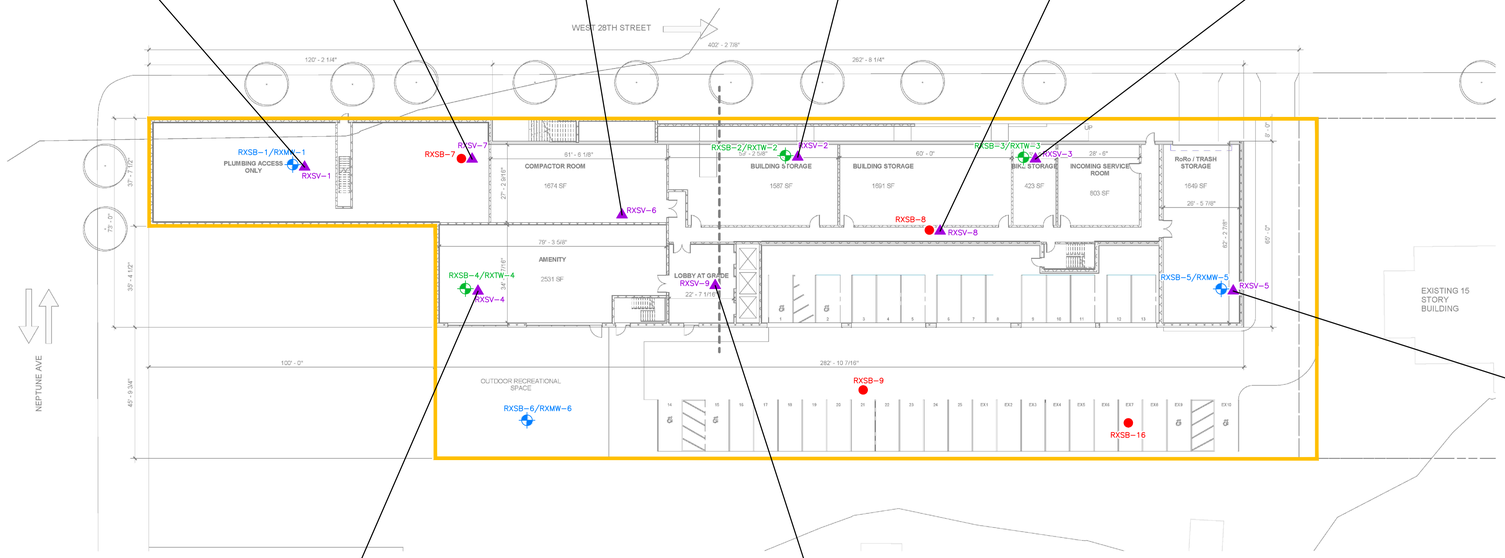
RXSV-7	09/13/2024
VOCs	
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.45 J**
1,3-Butadiene	**0.11 J**
1,4-Dioxane (P-Dioxane)	**1.7 J**
2,2,4-Trimethylpentane	**0.25 J**
Acetone	**38**
Benzene	**0.77**
Butane	**0.89 J**
Carbon Disulfide	**3.8**
Chlorodifluoromethane	**0.77 J**
Chloroform	**3.3**
Chloromethane	**0.4 J**
Dichlorodifluoromethane	**1.6 J**
Methyl Ethyl Ketone (2-Butanone)	**4.3**
N-Heptane	**1.1**
Tert-Butyl Alcohol	**18**
Tetrachloroethylene (PCE)	**1.6**
Toluene	**0.55 J**
Trichlorofluoromethane	**1.2**

RXSV-6	09/13/2024
VOCs	
1,2,4-Trimethylbenzene	**1.9**
1,3,5-Trimethylbenzene (Mesitylene)	**0.51 J**
1,4-Dioxane (P-Dioxane)	**0.6 J**
2,2,4-Trimethylpentane	**0.26 J**
4-Ethyltoluene	**0.28 J**
Acetone	**43**
Benzene	**0.45 J**
Butane	**2**
Carbon Disulfide	**0.95 J**
Carbon Tetrachloride	**0.21 J**
Chlorodifluoromethane	**1.3 J**
Chloroform	**4.5**
Chloromethane	**0.4 J**
Dichlorodifluoromethane	**2 J**
Ethylbenzene	**0.44 J**
m,p-Xylene	**1.6 J**
Methyl Ethyl Ketone (2-Butanone)	**2.4**
N-Heptane	**0.58 J**
N-Hexane	**0.71 J**
O-Xylene (1,2-Dimethylbenzene)	**0.74 J**
Tert-Butyl Alcohol	**14 J**
Tetrachloroethylene (PCE)	**9.5**
Toluene	**5.8**
Trichlorofluoromethane	**3.8**

RXSV-2	09/13/2024
VOCs	
1,2,4-Trimethylbenzene	**2.6**
1,3,5-Trimethylbenzene (Mesitylene)	**0.58 J**
2,2,4-Trimethylpentane	**0.35 J**
2-Hexanone	**1.2 J**
4-Ethyltoluene	**0.4 J**
Acetone	**75**
Benzene	**0.45 J**
Butane	**2.5**
Carbon Disulfide	**1.5 J**
Carbon Tetrachloride	**0.14 J**
Chlorodifluoromethane	**1.3 J**
Chloroform	**0.87 J**
Chloromethane	**0.37 J**
Dichlorodifluoromethane	**1.9 J**
Ethylbenzene	**0.45 J**
m,p-Xylene	**1.8 J**
Methyl Ethyl Ketone (2-Butanone)	**7.5**
N-Heptane	**0.66 J**
N-Hexane	**0.67 J**
N-Propylbenzene	**0.25 J**
O-Xylene (1,2-Dimethylbenzene)	**0.81 J**
Tert-Butyl Alcohol	**29**
Tetrachloroethylene (PCE)	**13**
Toluene	**4.7**
Trichloroethylene (TCE)	**0.18 J**
Trichlorofluoromethane	**2.7**

RXSV-8	09/13/2024
VOCs	
1,1,1-Trichloroethane (TCA)	**0.61 J**
1,2,4-Trimethylbenzene	**370 D**
1,3,5-Trimethylbenzene (Mesitylene)	**150**
2,2,4-Trimethylpentane	**1.2**
2-Hexanone	**1.2 J**
4-Ethyltoluene	**130**
Acetone	**230 D**
Benzene	**0.84**
Butane	**1.5**
Carbon Disulfide	**3.1**
Carbon Tetrachloride	**0.14 J**
Chlorodifluoromethane	**0.86 J**
Chloroform	**0.94 J**
Chloromethane	**0.34 J**
Cyclohexane	**0.28 J**
Cymene	**2**
Dichlorodifluoromethane	**1.9 J**
Ethylbenzene	**4.1**
Isopropanol	**4.6 J**
Isopropylbenzene (Cumene)	**13**
m,p-Xylene	**17**
Methyl Ethyl Ketone (2-Butanone)	**12**
Naphthalene	**4.2**
N-Butylbenzene	**3.1**
N-Heptane	**3.3**
N-Hexane	**0.85 J**
N-Propylbenzene	**68**
O-Xylene (1,2-Dimethylbenzene)	**19**
Sec-Butylbenzene	**2.1**
Styrene	**2.2**
Tert-Butyl Alcohol	**29**
Tetrachloroethylene (PCE)	**4.3**
Toluene	**9.8**
Trichlorofluoromethane	**1.4**

RXSV-3	09/13/2024
VOCs	
1,1,1-Trichloroethane (TCA)	**0.43 J**
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.55 J**
1,2,4-Trimethylbenzene	**4.4**
1,3,5-Trimethylbenzene (Mesitylene)	**1.2**
1,3-Dichlorobenzene	**4.2**
2,2,4-Trimethylpentane	**0.64 J**
4-Ethyltoluene	**4.7**
Acetone	**43**
Benzene	**1.5**
Butane	**3.7**
Carbon Disulfide	**5.8**
Carbon Tetrachloride	**0.21 J**
Chlorodifluoromethane	**1.1 J**
Chloroform	**1.2**
Chloromethane	**0.91 J**
Cyclohexane	**0.26 J**
Dichlorodifluoromethane	**1.8 J**
Ethylbenzene	**1.9**
m,p-Xylene	**8.2**
Methyl Ethyl Ketone (2-Butanone)	**2.2**
N-Heptane	**1.6**
N-Hexane	**0.83 J**
N-Propylbenzene	**2.1**
O-Xylene (1,2-Dimethylbenzene)	**2.2**
Styrene	**0.34 J**
Tert-Butyl Alcohol	**7.7 J**
Tetrachloroethylene (PCE)	**2.3**
Toluene	**9.2**
Trichloroethylene (TCE)	**0.41**
Trichlorofluoromethane	**1.3**



RXSV-4	09/13/2024
VOCs	
1,2,4-Trimethylbenzene	**2.1**
1,3,5-Trimethylbenzene (Mesitylene)	**0.52 J**
2,2,4-Trimethylpentane	**0.94**
4-Ethyltoluene	**0.31 J**
Acetone	**28**
Benzene	**0.58 J**
Butane	**3**
Carbon Disulfide	**6**
Carbon Tetrachloride	**0.18 J**
Chlorodifluoromethane	**1.4 J**
Chloroform	**3.5**
Dichlorodifluoromethane	**1.8 J**
Ethylbenzene	**0.9**
m,p-Xylene	**3.3**
Methyl Ethyl Ketone (2-Butanone)	**3.4**
N-Heptane	**0.53 J**
N-Hexane	**0.89 J**
O-Xylene (1,2-Dimethylbenzene)	**2.1**
Tert-Butyl Alcohol	**17**
Tetrachloroethylene (PCE)	**1.6**
Toluene	**9.5**
Trichlorofluoromethane	**1.1**

RXSV-9	09/13/2024
VOCs	
1,1,2-Trichloroethane	**0.48 J**
1,2,4-Trimethylbenzene	**3.1**
1,2-Dichlorotetrafluoroethane	**1.2 J**
1,3,5-Trimethylbenzene (Mesitylene)	**0.72 J**
1,3-Butadiene	**0.21 J**
2,2,4-Trimethylpentane	**0.62 J**
2-Hexanone	**2.3**
4-Ethyltoluene	**0.55 J**
Acetone	**120 D**
Benzene	**1.8**
Butane	**59**
Carbon Disulfide	**10**
Carbon Tetrachloride	**0.14 J**
Chlorodifluoromethane	**0.54 J**
Chloroform	**0.65 J**
Chloromethane	**0.48 J**
Cyclohexane	**0.43 J**
Dichlorodifluoromethane	**2.2 J**
Ethylbenzene	**3.7**
m,p-Xylene	**7**
Methyl Ethyl Ketone (2-Butanone)	**14**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**1.1 J**
N-Heptane	**49**
N-Hexane	**76**
N-Propylbenzene	**0.44 J**
O-Xylene (1,2-Dimethylbenzene)	**4.5**
Styrene	**1.8**
Tert-Butyl Alcohol	**29**
Tetrachloroethylene (PCE)	**19**
Toluene	**7.8**
Trichloroethylene (TCE)	**0.4**
Trichlorofluoromethane	**7.5**

RXSV-5	09/13/2024	09/13/2024 DUP
VOCs		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	**0.42 J**
1,2,4-Trimethylbenzene	**1.7**	**0.92 J**
1,3,5-Trimethylbenzene (Mesitylene)	**0.5 J**	**0.54 J**
1,3-Dichlorobenzene	**3.1**	**1.4**
1,4-Dioxane (P-Dioxane)	**0.4 J**	ND
2,2,4-Trimethylpentane	**0.2 J**	ND
2-Hexanone	**0.64 J**	ND
4-Ethyltoluene	**0.29 J**	ND
Acetone	**27**	**28**
Benzene	**0.87**	**0.45 J**
Butane	**1.3**	**1.4**
Carbon Disulfide	**7**	**2.7**
Chlorodifluoromethane	**0.56 J**	**0.92 J**
Chloroform	**1.8**	**1.9**
Chloromethane	**0.82 J**	**0.79 J**
Cyclohexane	**0.2 J**	ND
Dichlorodifluoromethane	**1.4 J**	**2.1 J**
Ethylbenzene	**0.42 J**	ND
m,p-Xylene	**1.3 J**	**0.76 J**
Methyl Ethyl Ketone (2-Butanone)	**3.2**	**2.1**
N-Heptane	**1.4**	**0.47 J**
N-Propylbenzene	**0.26 J**	ND
O-Xylene (1,2-Dimethylbenzene)	**0.67 J**	**0.42 J**
Tert-Butyl Alcohol	**7.9 J**	**8.3 J**
Tetrachloroethylene (PCE)	**42**	**44**
Toluene	**2**	**0.96**
Trichloroethylene (TCE)	**0.15 J**	ND
Trichlorofluoromethane	**1.4**	**1.6**

LEGEND

- SITE BOUNDARY
- RXSB-1/RXMW-1 — LOCATION AND DESIGNATION OF SOIL BORING AND PERMANENT MONITORING WELL – 2024 OER RI
- RXSB-2/RXTW-2 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING AND TEMPORARY MONITORING WELL – 2024 OER RI
- RXSV-1 — APPROXIMATE LOCATION AND DESIGNATION OF TEMPORARY SOIL VAPOR POINT – 2024 OER RI
- RXSB-7 — APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING – 2024 OER RI

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → RXSV-7 | 09/13/2024 ← SAMPLE DATE

VOCs	
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.45 J**
1,3-Butadiene	**0.11 J**
1,4-Dioxane (P-Dioxane)	**1.7 J**
2,2,4-Trimethylpentane	**0.25 J**
Acetone	**38**
Benzene	**0.77**
Butane	**0.89 J**
Carbon Disulfide	**3.8**
Chlorodifluoromethane	**0.77 J**
Chloroform	**3.3**
Chloromethane	**0.4 J**
Dichlorodifluoromethane	**1.6 J**
Methyl Ethyl Ketone (2-Butanone)	**4.3**
N-Heptane	**1.1**
Tert-Butyl Alcohol	**18**
Tetrachloroethylene (PCE)	**1.6**
Toluene	**0.55 J**
Trichlorofluoromethane	**1.2**

ANALYTES → CONCENTRATIONS (µg/L)

CONCENTRATIONS IN µg/m³

µg/m³ – Micrograms per cubic meter

VOCs – Volatile Organic Compounds

ND – Compound was analyzed for but not detected

OER – NEW YORK CITY OFFICE OF ENVIRONMENTAL REMEDIATION

RI – REMEDIAL INVESTIGATION

TCLP – TOXICITY CHARACTERISTIC LEACHING POTENTIAL

25' 0 25'

Title:

SUMMARY OF DETECTIONS IN SOIL VAPOR

BROOKLYN, NEW YORK
2828 WEST 28TH STREET

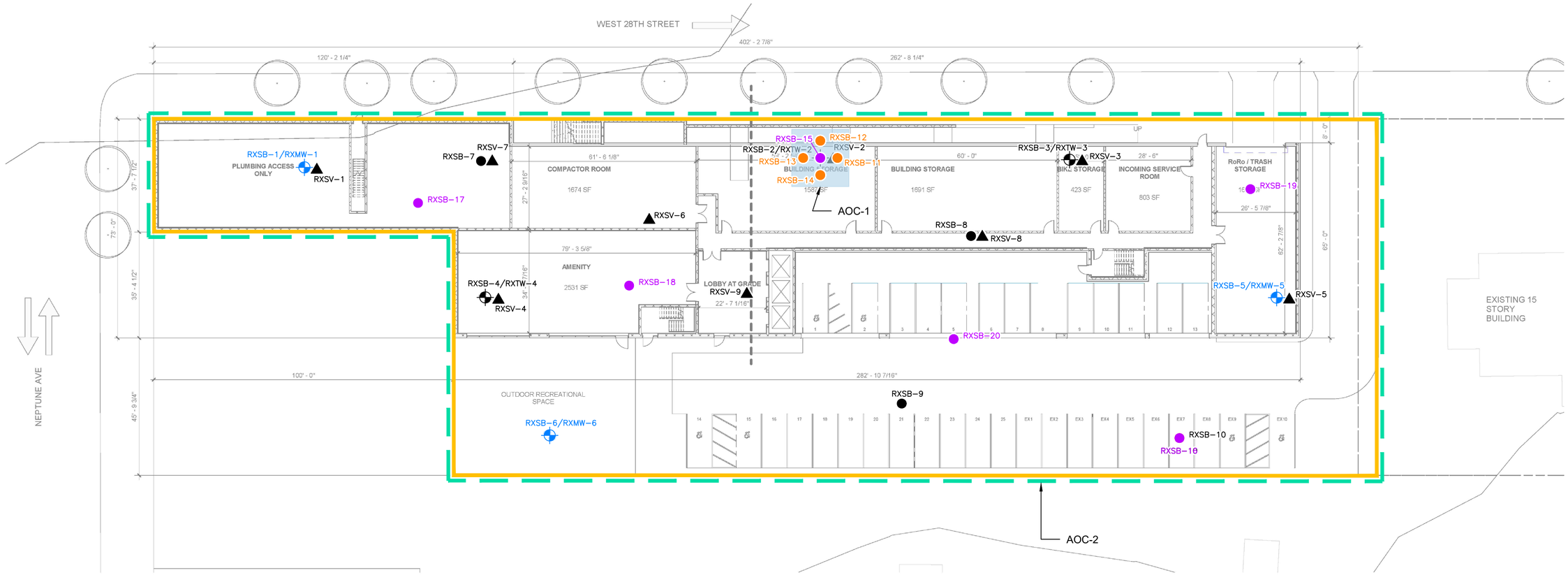
Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 9/15/2025	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	10
Project Mgr: S.S.	Project: 3868.0006Y000	
File: 3868.0006Y106.02.DWG		

V:\CAD\PROJECTS\3868Y\0006Y\106\3868.0006Y106.02.DWG DAULTON



LEGEND

	SITE BOUNDARY
RXSB-1/RXMW-1	LOCATION AND DESIGNATION OF SOIL BORING AND PERMANENT MONITORING WELL – 2024 OER RI AND PROPOSED RI GROUNDWATER SAMPLE
RXSB-2/RXTW-2	APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING AND TEMPORARY MONITORING WELL – 2024 OER RI
RXSV-1	APPROXIMATE LOCATION AND DESIGNATION OF TEMPORARY SOIL VAPOR POINT – 2024 OER RI
RXSB-7	APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING – 2024 OER RI
RXSB-11	PROPOSED LOCATION AND DESIGNATION OF RI SOIL BORING
RXSB-20	PROPOSED LOCATION AND DESIGNATION OF RI SOIL BORING AND SOIL VAPOR SAMPLE
OER	NEW YORK CITY OFFICE OF ENVIRONMENTAL REMEDIATION
RI	REMEDIAL INVESTIGATION
	AOC-1: ELEVATED METALS AND PCBs
	AOC-2: DELINEATION OF THE NATURE AND EXTENT OF FILL MATERIALS AND EVALUATING THE PRESENCE OF EMERGING CONTAMINANTS

N

25' 0 25'

Title:

PROPOSED SAMPLE LOCATIONS

2828 WEST 28TH STREET
BROOKLYN, NEW YORK

Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 12/3/2025
Prepared by: G.M.	Scale: AS SHOWN
Project Mgr: S.S.	Project: 3868.0006Y000
File: 3868.0006Y106.02.DWG	

FIGURE 11

V:\CAD\PROJECTS\3868\Y0006\Y106\3868.0006Y106.02.DWG GMILTON

APPENDICES

A. OER Remedial Investigation Geophysical Survey
B. Site Survey
C. Previous Environmental Investigation Reports
D. OER Remedial Investigation Sampling Logs and Forms
E. OER Remedial Investigation Laboratory Reports
F. Field Sampling Plan/Quality Assurance Project Plan
G. Community Air Monitoring Plan
H. Site Health and Safety Plan

APPENDIX A

OER Remedial Investigation Geophysical Survey

Coastal Environmental Solutions, Inc.

GEOPHYSICAL INVESTIGATION REPORT

2828 W28th Street, Brooklyn, NY
Date of Investigation: 9/9/2024

Prepared for:

Roux Environmental Engineering and Geology, D.P.C.
209 Shafter Street
Islandia, NY 11749

Prepared By:

Dennis Berthold
Director of Geophysical Operations
Coastal Environmental Solutions, Inc.
PO Box 342
Medford, New York 11763

1.0 INTRODUCTION

On 9/9/2024, Coastal Environmental Solutions, Inc (Coastal) personnel performed a limited geophysical investigation at 2828 W28th Street, Brooklyn, NY. The areas of interest included three sections of the property indicated as a parking lot, recreational park, and greenspace as directed by the client. Surface conditions consisted of asphalt and soil/grass.

2.0 SCOPE OF WORK

1. Locate and mark evidence of former or current Underground Storage Tanks (USTs), underground utilities, and other subsurface features for the purposes of clearing proposed soil borings.

3.0 EQUIPMENT

ImpulseRadar PinPointR Ultra-Wide Band (UWB) Penetrating Radar System

Ground Penetrating RADAR (GPR) is a non-destructive geophysical method that produces a continuous cross-sectional profile of subsurface features in real time. GPR operates by transmitting both high and low frequency electromagnetic wave pulses down into the ground through a transmitter in the antenna. The transmitted electromagnetic waves reflect off materials with contrasting dielectric properties from surrounding medium such as underground storage tanks, utilities, distinct contacts between different earth materials, and other various subsurface objects. The antenna receiver collects the reflected electromagnetic waves which are then interpreted by the operator.

The ImpulseRadar PinPointR UWB GPR utilizes a dual band 400/800 MHz HS antenna mounted to a stroller frame which rolls over the surface. The total depth of penetration achieved with the antenna can be up to 10 feet but widely varies based on site-specific subsurface conditions. Conductive materials in the soil attenuate the GPR signal causing a decrease in effective depth of penetration and clarity.

Vivax-Metrotech vLoc3-Pro Receiver/Transmitter

The vLoc3-Pro Receiver is a hand-operated antenna capable of detecting electromagnetic (EM) fields emitted from a source. The EM antenna can detect pipes and cables in the ground at depths of up to 20 feet using active or passive tracing techniques. Passive tracing is the act of locating an underground utility through the detection of electrical or radio signals travelling along conductive utilities. Active tracing is used in conjunction with the Transmitter that is directly connected to the target utility or to a conductive rodder within a non-conductive line. A signal is sent through the utility at a specific frequency that can be detected by the Receiver. The detectability of a target utility depends on many factors including access to the target utility, grounding, depth of utility, conductivity, and other site-specific factors.

TW-6 Pipe and Cable Locator

The TW-6 Pipe and Cable locator is a handheld magnetometer which utilizes a transmitter-receiver pair attached to opposite ends of a handle and carried approximately 1-2ft from the surface. The magnetometer induces an electromagnetic (EM) field into the ground that is generated by the

transmitter. Once the induced EM field passes through a buried metallic object, it generates a secondary EM field which is detected by the receiver, generating an audible tone. Based on the calibration of the magnetometer, the audible tone reflects the strongest response as the highest pitched sound, trailing off on all sides of the peak. This piece of technology can be used to detect subsurface features such as metallic USTs, large diameter conductive pipes, and buried manholes, especially in areas in which traditional GPR methods cannot be utilized, such as overgrown or uneven surfaces.

4.0 METHODOLOGY

1. A subsurface investigation was performed in close proximity to the client proposed soil boring locations. Active and passive detection methods were utilized with the VLoc3-Pro receiver/transmitter. Coastal personnel directly connected to all accessible and traceable pipes, conduits, valve covers, and any other surface feature throughout the site. A passive scan was performed throughout the site to detect any potential underground utilities that could not be located with active scan.
2. (If applicable) The TW-6 was utilized to sweep accessible areas around suspected UST locations in 3-to-5-foot spacings for readings that may represent a buried metallic anomaly. Upon detection of a reading, the approximate size and shape of the anomalous area was marked on the surface to be investigated further with GPR.
3. GPR was utilized to further characterize the approximate dimensions, depth, and shape of the anomalies located with the TW-6. The remainder of the areas around the suspected locations were scanned with GPR in 3-to-5-foot spacing to locate any anomalous features not previously detected such as non-conductive piping and former excavations.
4. All findings were marked on the surface utilizing the American Public Works Association (APWA) recommended color code, seen below:

WHITE	Proposed Excavation/Limits of Investigation
PINK	Temporary Survey Markings (Approximate UST Locations, Soil Boring Locations)
RED	Electric Power Lines, Cables, Conduit and Lighting Cables
YELLOW	Gas, Oil, Steam, Petroleum or Gaseous Materials
ORANGE	Communication, Alarm or Signal Lines, Cables or Conduit
BLUE	Water (Domestic and Fire Lines)
PURPLE	Irrigation, Slurry Lines, Reclaimed Water
GREEN	Sewers and Drain Lines

5.0 SUMMARY OF FINDINGS

Geophysical Investigation

Coastal personnel conducted a limited geophysical investigation on all investigatory areas as indicated by the client. Coastal visually inspected the site to locate evidence of former and current utilities servicing the sites. During the initial site walk of the property, a number of surface features related to utilities were located including site lighting poles, partially visible electrical conduits, and storm drain grates.

Within the asphalt parking lot, a storm drain grate and multiple electrical lines were located in the shallow subsurface which were determined to be connected to other lights across the parcels. The storm drain was inaccessible for direct investigation due to vehicle traffic but was assumed to be connected to the three storm drains and their associated lines located in the adjacent recreational park.

The recreational park contained three storm drains all interconnected with shallow pipes. The lines appeared to only connect to each other and not connect to a discharge point, though the solitary drain in the parking lot likely had contained a discharge line to the street.

No subsurface features were detected within the park at the corner lot of the sites.

Limitations

The effective depth of GPR penetration was limited to 3 feet below the soil and asphalt grade surface. The limiting factor was due to soil conductivity attenuating the GPR signal. The GPR and TW-6 was unable to be utilized within close proximity to parked vehicles and exterior walls, as well as over reinforced concrete. The reduced GPR effective depth was likely due to shallow saturated soils attenuating the signal.

Disclaimer

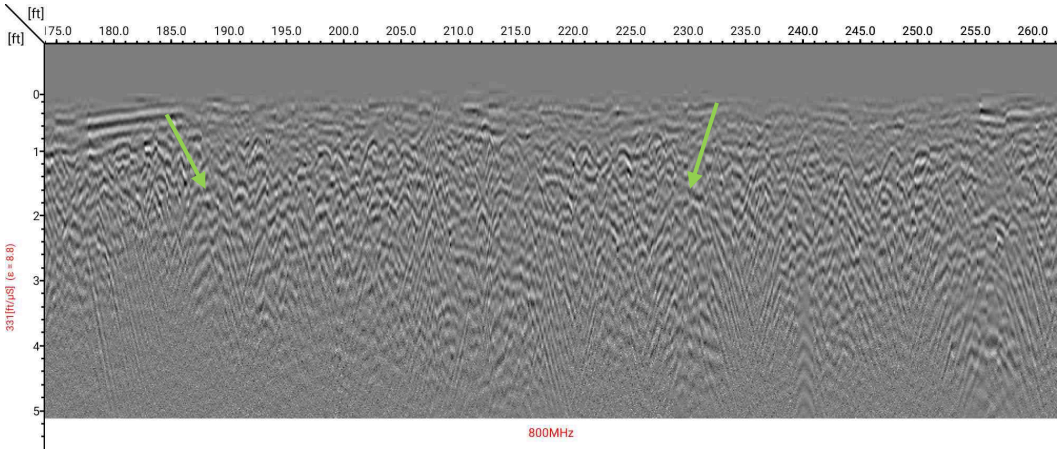
The subsurface investigation was performed by Coastal after considering the limits of the scope of work and the time constraint for the investigation. The investigation that is described in this report was undertaken in accordance with current accepted standards and practices of the geophysical survey industry. The results and interpretations that are presented are based on professional judgment and are as accurate as can reasonably be achieved. However, no geophysical equipment can accurately depict all subsurface features due to the geology and environmental conditions of the subsurface. Any intrusive work in proximity to identified anomalies should be carefully considered and cross-referenced with all available site-specific documentation. Coastal is not liable for the use, interpretation, or application of the data and information in this report.

PHOTOS & GPR SCREENSHOTS

Photos 1 & 2 – Photos of the asphalt parking lot containing three of the proposed soil borings. A shallow electrical line was detected leading from the light pole towards the main residential building.

Photos 3 & 4 – View of some of the proposed soil borings as well as the storm drains and lines within the asphalt recreational park.

Photo 5 - View of the electrical lines and the storm drain line within the asphalt recreational park area, as well as one of the proposed boring locations.

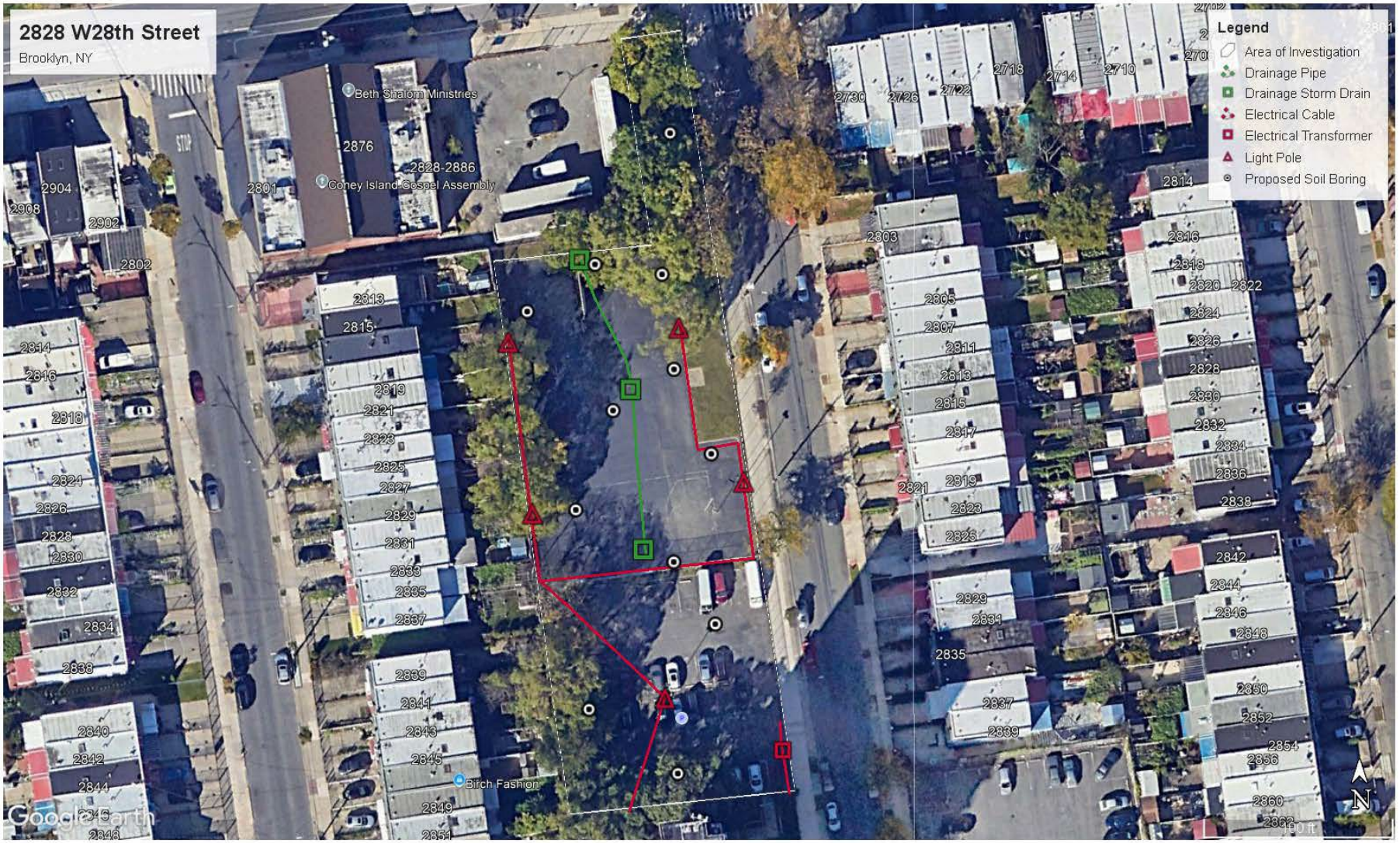


GPR Data Screenshot 1 – GPR screenshot showing one of the shallow storm drain lines detected in the recreational park.

Photo 6 – Proposed boring location in the grass park at the corner of the properties.

Photo 7 – View of the natural gas main line located in the sidewalk along West 28th Street, marked by 811.

FIGURES



Geophysical Investigation Results

2828 W28th Street
Brooklyn, NY

Coastal Environmental Solutions Inc.

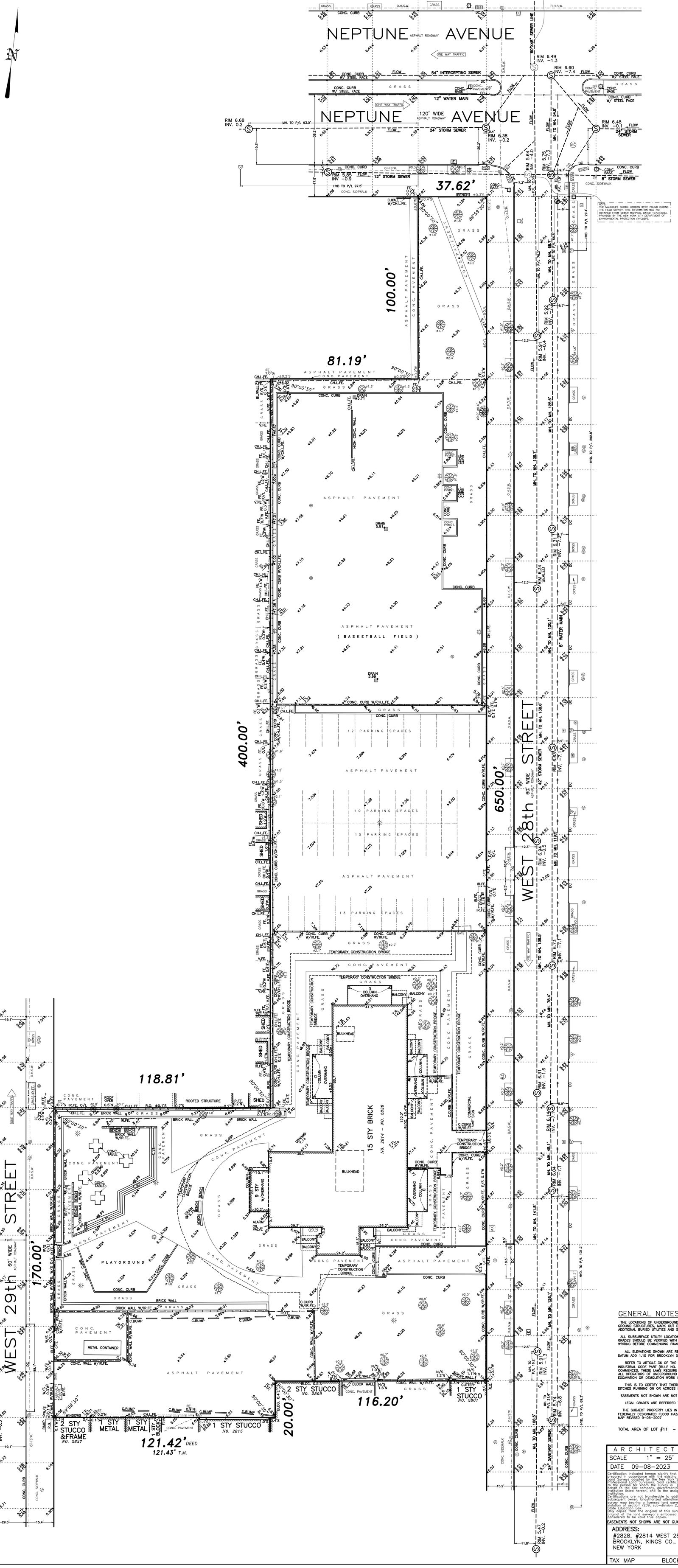
PO Box 342, Medford New York 11763

Date of Investigation: 9.9.2024
Roux Environmental

Figure No. 1

APPENDIX B

Site Survey



GENERAL NOTES:

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON VISIBLE ABOVE GROUND STRUCTURES, MARK OUT BY OTHERS, AND RECORD UTILITY DRAWINGS. ADDITIONAL BURIED UTILITIES AND STRUCTURES MAY BE ENCOUNTERED.

ALL SUBSURFACE UTILITY LOCATIONS AND DEPTH SHOULD BE RECHECKED AND LEGAL GRADES SHOULD BE VERIFIED WITH THE TOPOGRAPHICAL BUREAU, PREFERABLY IN WRITING BEFORE COMMENCING FINAL DESIGN OR CONSTRUCTION.

ALL ELEVATIONS SHOWN ARE REFERRED TO THE NAVD88 DATUM (FOR NGVD29 DATUM ADD 1.10 FOR BROOKLYN DATUM SUBTRACT 1.44')

REFER TO ARTICLE 36 OF THE GENERAL BUSINESS LAW AND THE PROVISIONS OF INDUSTRIAL CODE PART (RULE NO. 53) BEFORE ANY EXCAVATION OR DEMOLITION IS COMMENCED. THESE LAWS REQUIRE EACH EXCAVATOR TO GIVE ADVANCE NOTICE TO ALL OPERATORS OF UNDERGROUND FACILITIES OF HIS INTENT TO PERFORM EXCAVATION OR DEMOLITION WORK IN THE SPECIFIED AREAS.

THIS IS TO CERTIFY THAT THERE WERE NO PHYSICAL STREAMS, WATER COURSES, DITCHES RUNNING ON OR ACROSS PROPERTY AT TIME OF SURVEY.

EASEMENTS NOT SHOWN ARE NOT GUARANTEED.

LEGAL GRADES ARE REFERRED TO THE TOP OF CURB IN NAVD88 DATUM

THE SUBJECT PROPERTY LIES IN MINIMAL FLOOD HAZARD AREA ZONE AE (EL.10) IN A FEDERALLY DESIGNATED FLOOD HAZARD ZONE AS PER REF. FEMA MAP #3604970353F, MAP REVISED 9-05-2007

TOTAL AREA OF LOT #11 – 89 357.4 SQ.FT.

W – WATER MANHOLE
E – ELECTRIC MANHOLE
TC – TOP OF CURB ELEVATION
TW – TOP OF WALL ELEVATION
F.FL – FIRST FLOOR ELEVATION
T.B. – TOP OF BULKHEAD ELEVATION
T.R. – TOP OF ROOF ELEVATION

P – PIPE
– TRAFFIC SIGN
– SPRINKLER
– UTILITY POLE
– LIGHT POLE
– DRAIN INLET
– HYDRANT W/GUARD POLE
– MAIL BOX
W W – WATER VALVE
– HYDRANT
– TRAFFIC LIGHT
– PEDESTRIAN RAMP
CB – CATCH BASIN
– OIL VALVE
B – BASKETBALL POLE
G G – GAS VALVE

LEGEND:
CH.L. – CHAIN LINK
C.,CONC. – CONCRETE
PLT. – PLATFORM
BR. – BRICK
W. – WOOD
ST. – STEPS
FE – FENCE
PVMNT – PAVEMENT
B.W. – BAY WINDOW
O/L – ON LINE
N/S – NORTH SIDE
W/S – WEST SIDE
E/S – EAST SIDE
S/S – SOUTH SIDE
T.M. – TAX MAP
R.G. – ROLL–UP GATE
IR. – IRON
V. – VINYL
P/L – PROPERTY LINE
O.H.S.W. – OVER HEAD WIRE SERVICE
C.E. – CELLAR ENTRANCE
M.C. – METAL COVER

ARCHITECTURAL SURVEY

SCALE 1" = 25' | JOB NO. NYL23478

DATE 09–08–2023

Certification indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors. Said certifications shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution.
Certifications are not transferable to additional institutions or subsequent owner. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, sub–division 2, of the New York State Education Law.
Only copies from the original of this survey marked with an original of the land surveyor's embossed seal shall be considered to be valid true copies.
EASEMENTS NOT SHOWN ARE NOT GUARANTEED.

MALGORZATA GASIOROWSKA N.Y.S. L.L.S. 051047

NYLAND TECH P.C.
LAND SURVEYING
office 516–783–0856
email info@nyland–tech.com
449 Argyle Road, East Meadow NY 11554

THE OFFSETS OR DIMENSIONS SHOWN HEREON, FROM THE PROPERTY LINES TO THE STRUCTURES ARE FOR A SPECIFIC PURPOSE AND USE, THEREFORE THEY ARE NOT INTENDED TO MONUMENT PROPERTY LINES OR TO GUIDE THE ERECTION OF FENCES, ADDITIONAL STRUCTURES OR ANY OTHER IMPROVEMENTS.

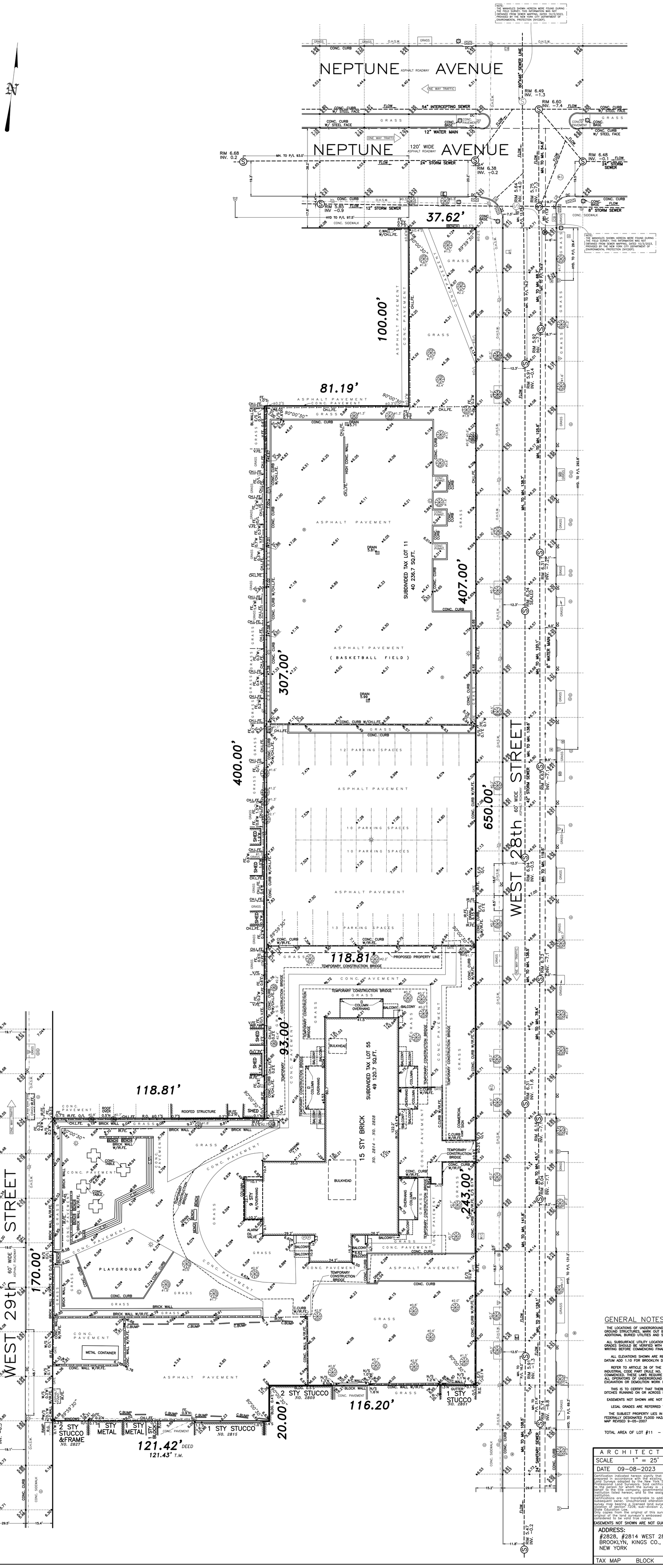
REVISIONS:

ADDRESS:
#2828, #2814 WEST 28th STREET,
BROOKLYN, KINGS CO.,
NEW YORK

CERTIFIED TO:

TITLE NO.:

TAX MAP BLOCK 7011 LOT(S) 11 | FILED MAP BLOCK – LOT(S) –



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THIS IS TO CERTIFY THAT THERE WERE NO PHYSICAL STREAMS, WATER COURSES, DITCHES RUNNING ON OR ACROSS PROPERTY AT TIME OF SURVEY.

EASEMENTS NOT SHOWN ARE NOT GUARANTEED.

LEGAL GRADES ARE REFERRED TO THE TOP OF CURB IN NAVD88 DATUM

THE SUBJECT PROPERTY LIES IN MINIMAL FLOOD HAZARD AREA ZONE AE (EL.10) IN A FEDERALLY DESIGNATED FLOOD HAZARD ZONE AS PER REF. FEMA MAP #3604970353F, MAP REVISED 9-05-2007

TOTAL AREA OF LOT #11 – 89 357.4 SQ.FT.

W – WATER MANHOLE
E – ELECTRIC MANHOLE
TC – TOP OF CURB ELEVATION
TW – TOP OF WALL ELEVATION
F.FL – FIRST FLOOR ELEVATION
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– SPRINKLER
– UTILITY POLE
– LIGHT POLE
– DRAIN INLET
– HYDRANT W/GUARD POLE
– MAIL BOX
W W – WATER VALVE
– HYDRANT
– TRAFFIC LIGHT
– PEDESTRIAN RAMP
CB – CATCH BASIN
– OIL VALVE
B – BASKETBALL POLE
G G – GAS VALVE

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CH.L. – CHAIN LINK
C.,CONC. – CONCRETE
PLT. – PLATFORM
BR. – BRICK
W. – WOOD
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FE – FENCE
PVMNT – PAVEMENT
B.W. – BAY WINDOW
O/L – ON LINE
N/S – NORTH SIDE
W/S – WEST SIDE
E/S – EAST SIDE
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R.G. – ROLL–UP GATE
IR. – IRON
V. – VINYL
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O.H.S.W. – OVER HEAD WIRE SERVICE
C.E. – CELLAR ENTRANCE
M.C. – METAL COVER

ARCHITECTURAL SURVEY

SCALE 1" = 25' | JOB NO. NYL24512

DATE 09–08–2023

Certification indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors. Said certifications shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution.
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MALGORZATA GASIOROWSKA N.Y.S. L.L.S. 051047

NYLAND TECH P.C.
LAND SURVEYING
office 516–783–0856
email info@nyland–tech.com
449 Argyle Road, East Meadow NY 11554

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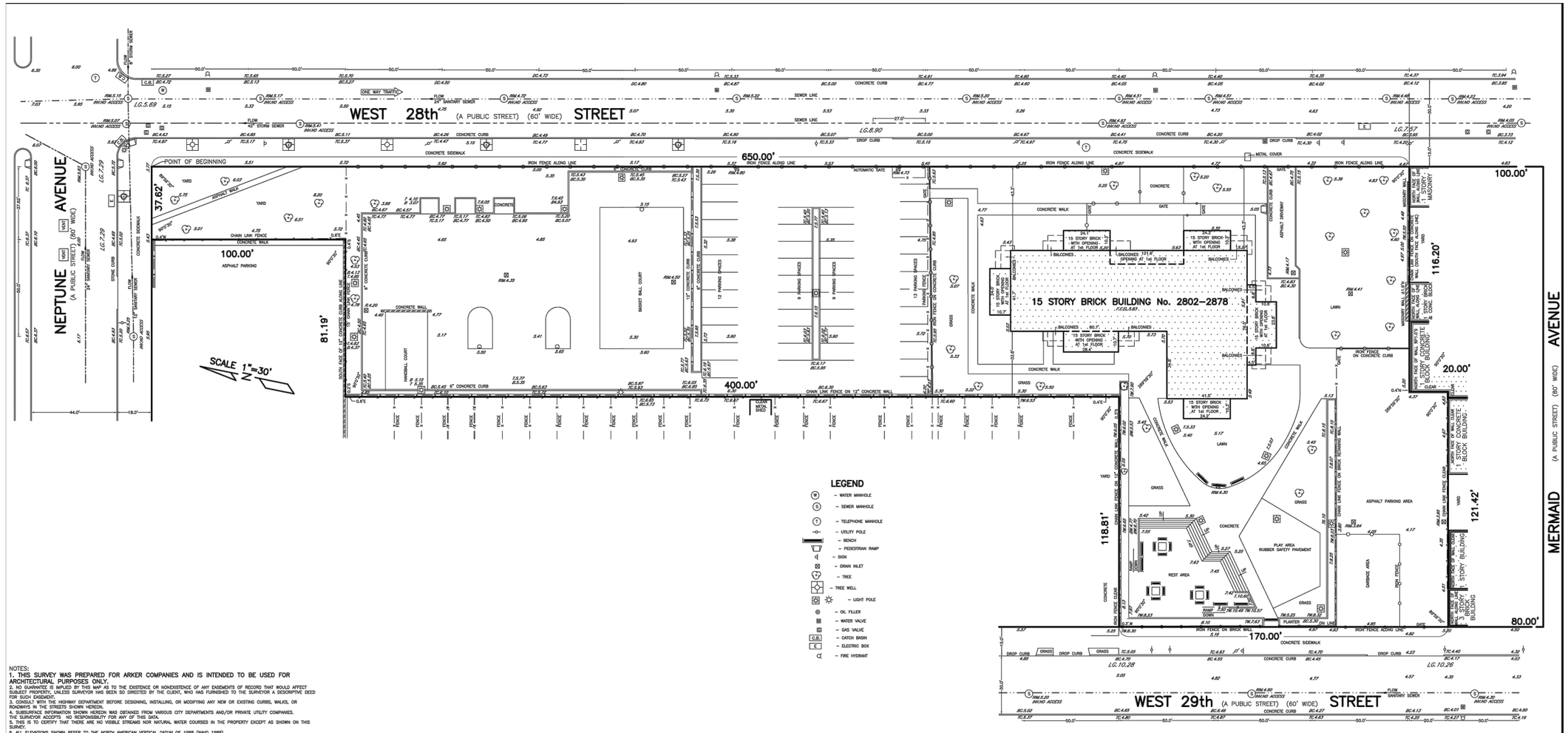
REVISIONS:
SUBDIVISION ADDED 08.22.2024

ADDRESS:
#2828, #2814 WEST 28th STREET,
BROOKLYN, KINGS CO.,
NEW YORK

CERTIFIED TO:

TITLE NO.:

TAX MAP BLOCK 7011 SUBDIVIDED TAX LOT 11 AND 55 | FILED MAP BLOCK – LOT(S) –



NOTES:
1. THIS SURVEY WAS PREPARED FOR ARKER COMPANIES AND IS INTENDED TO BE USED FOR ARCHITECTURAL PURPOSES ONLY.
2. NO GUARANTEE IS IMPLIED BY THIS MAP AS TO THE EXISTENCE OR NONEXISTENCE OF ANY EASEMENTS OF RECORD THAT WOULD AFFECT SUBJECT PROPERTY, UNLESS SURVEYOR HAS BEEN SO DIRECTED BY THE CLIENT, WHO HAS FURNISHED TO THE SURVEYOR A DESCRIPTIVE DEED FOR SUCH EASEMENT.
3. CONSULT WITH THE HIGHWAY DEPARTMENT BEFORE DESIGNING, INSTALLING, OR MODIFYING ANY NEW OR EXISTING CURBS, WALKS, OR ROADWAYS IN THE STREETS SHOWN HEREON.
4. SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FROM VARIOUS CITY DEPARTMENTS AND/OR PRIVATE UTILITY COMPANIES. THE SURVEYOR ACCEPTS NO RESPONSIBILITY FOR ANY OF THIS DATA.
5. THIS IS TO CERTIFY THAT THERE ARE NO VISIBLE STREAMS NOR NATURAL WATER COURSES IN THE PROPERTY EXCEPT AS SHOWN ON THIS SURVEY.
6. ALL ELEVATIONS SHOWN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
7. SEWER MANHOLE RIM AND INVERT ELEVATIONS SHOWN HEREON WERE OBTAINED FROM FIELD MEASUREMENTS.
8. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

CERTIFIED TO:
NEW YORK CITY DEPARTMENT OF BUILDINGS

DATE SURVEYED: MAY 1st, 2003
REVISED: MAY 3, 2016

GERALD T. O'BUCKLEY
PROFESSIONAL LAND SURVEYORS
43-14 162nd STREET, FLUSHING, NY 11358
TEL. 718-321-1231 FAX 718-321-8076
EMAIL: gtobuckley@nyc.rr.com

TAX MAP
SECTION
BLOCK 7011
LOT 11

FILED MAP
SECTION
BLOCK
LOT

BOROUGH OF BROOKLYN
COUNTY OF KINGS
STATE OF NEW YORK

TITLE No.

GERALD T. O'BUCKLEY, P.L.S.
NEW YORK LICENSE 039834

UTILITY STATEMENT
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

SITE SURVEY
NOT TO SCALE

SEA PARK NORTH

BROOKLYN, NY

AUFGANG ARCHITECTS

SITE SURVEY

Z-105.00

09.06.16
BLOCK:7011 LOT: 11

APPENDIX C

Previous Environmental Investigation Reports

HILLMANN
CONSULTING

PHASE I ENVIRONMENTAL SITE ASSESSMENT

2828 West 28th Street
Brooklyn, New York 11224

Prepared For:

Gilbane Development Company
7 Jackson Walkway
Providence, RI 02903

September 19, 2022

Hillmann Project Number Z34991.3

HILLMANN
CONSULTING

September 19, 2022

Blaise Rastello
Development Director / Affordable Housing
Gilbane Development Company
7 Jackson Walkway
Providence, RI 02903

RE: Phase I Environmental Site Assessment
2828 West 28th Street
Brooklyn, New York 11224
Hillmann Project No: Z34991.3

Dear Blaise Rastello:

Hillmann Consulting LLC has completed a Phase I Environmental Site Assessment of the above referenced property. This assessment was performed in conformance with the scope and limitations of ASTM Practice E 1527-21, which is the latest version of the E1527 standard published by the ASTM.

We appreciate the opportunity to provide environmental due diligence services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact our office at 908-688-7800.

Sincerely,

Hillmann Consulting, LLC

Chris Hirschmann
Director, Environmental Services

Etan Hindin
Senior Project Manager

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List of Abbreviations/Acronyms

Hillmann may use the following abbreviations and acronyms for common terminology described in our report. Not all abbreviations or acronyms may be applicable to this report:

ACM	– Asbestos Containing Material
AOC	– Area of Concern
AST	– Aboveground Storage Tank
ASTM	– American Society for Testing Materials
BER	– Business Environmental Risk
CEA	– Classification Exception Area
CERCLA	– Comprehensive Environmental Response Compensation and Liability Act
CERCLIS	– Comprehensive Environmental Response Compensation and Liability Information System
CESQG	– Conditionally Exempt Small Quantity Generator
COC	– Chemicals of Concern
CORRACTS	– Corrective Action Sites
CREC	– Controlled Recognized Environmental Condition
DEC	– Department of Environmental Conservation
DEP	– Department of Environmental Protection
DHS	– Department of Health Services
DNPL	– Delisted National Priority List
DOB	– Department of Buildings
DOH	– Department of Health
DOT	– Department of Transportation
DTSC	– Department of Toxic Substances Control
ENG	– Engineering
EPA	– Environmental Protection Agency
ERNS	– Emergency Response Notification System
FD	– Fire Department
FOI/FOIA/FOIL	– Freedom of Information / Freedom of Information Act / Freedom of Information Letter
HVAC	– Heating Ventilation & Air Conditioning
HREC	– Historic Recognized Environmental Condition
IAQ	– Indoor Air Quality
ISRA	– Industrial Site Recovery Act
LBP	– Lead-Based Paint
LCP	– Lead-Containing Paint
LQG	– Large Quantity Generator
LTANK	– Leaking Storage Tank
LUST	– Leaking Underground Storage Tank
SDS/MSDS	– Safety Data Sheet / Material Safety Data Sheet
NA	– Not Applicable
NFA	– No Further Action
NFRAP	– No Further Remedial Actions Planned
NPDES	– National Pollutant Discharge Elimination System
NPL	– National Priority List
OER	– Office of Environmental Remediation
OPRA	– Open Public Records Act
PAH	– Polycyclic Aromatic Hydrocarbon
PCE	– Perchloroethylene
RAO	– Response Action Outcome
RCRA	– Resource Conservation and Recovery Act
RCRIS	– Resource Conservation and Recovery Information System
REC	– Recognized Environmental Condition
RWQCB	– Regional Water Quality Control Board
SCAQMD	– South Coast Air Quality Management District
SDG	– Significant Data Gap
SEMS	– Superfund Enterprise Management System
SRP	– Site Remediation Program
SQG	– Small Quantity Generator
SVOC	– Semi-Volatile Organic Compound
TCE	– Trichloroethylene
TSDF	– Treatment Storage and/or Disposal Facility
UST	– Underground Storage Tank
VEC	– Vapor Encroachment Condition
VOC	– Volatile Organic Compound

1.0 FINDINGS, OPINIONS, AND CONCLUSIONS

Hillmann Consulting, LLC (Hillmann) performed a Phase I Environmental Site Assessment (ESA) of 2828 West 28th Street, Brooklyn, New York (the Subject Property). The assessment has been conducted in accordance with our contracted scope of work and the ASTM Standard Practice E 1527-21 for Phase I Environmental Site Assessments and All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312. This section contains a summary of findings, opinions and conclusions made by this assessment. However, this section, alone, does not constitute the complete assessment. The report must be read in its entirety.

1.1 Summary of Project Details

Primary Street Address:		2828 West 28th Street			
City:	Brooklyn	**County:**	Kings	**State:**	New York
Tax ID/Parcel Number:		Block 7011 Lot 11			
Property Owner:		Park, Sea Housing			
Zoning Designation:		R6 (Residential) with no commercial overlay			
Approx. Property Area:		2.03-acres			
Buildings:		One (1) 15-story apartment building			
Approx. Building Size:		102,000-ft²			
Approx. Year Built:		1972			
Commercial Occupants:		None			
Current Use:		Residential apartments			
Inspected By:		Mr. Ryan Powell			
Site Contact/Company:		Ilso Kim / Property Manager with Progressive Management			
Site Escort/Company:		Ilso Kim / Property Manager with Progressive Management			
Inspection Date:		August 30, 2022			
Weather Conditions:		Sunny, 83 degrees F			

1.2 Findings Summary Table

Assessment Subject	No REC	REC	CREC	HREC	SDG	Rpt. Ref.
Property Regulatory Records Review:	X					4.3
Property Historical Records Review:	X					4.2
Bulk Petroleum Storage:					X	6.3
On-Site Operations:	X					6.3
On-Site Haz-Mat Storage/Use/Spills:	X					6.3
Transformers/Hydraulic Systems:	X					6.3
Waste Discharges:	X					6.3
Interviews:	X					5.0
Adjoining & Nearby Properties:	X					4.3 6.2
Prior Env. Reports/User Provided Info:	X					3.0

1.3 Findings, Opinions and Conclusions

Recognized Environmental Conditions & Significant Data Gaps

Hillmann has performed a Phase I Environmental Site Assessment in accordance with the scope and limitations of ASTM Practice E 1527-21 of the Subject Property as described in Section 2.2 of this report. Any additions to, exceptions to, or deletions from this practice are also described in Section 2 of this report. This assessment has revealed the following *recognized environmental conditions* (RECs), *controlled recognized environmental conditions* (CRECs) and/or *significant data gaps* (SDGs) in connection with the Subject Property:

RECOGNIZED ENVIRONMENTAL CONDITIONS
No RECs were identified.
CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CRECs)
No CRECs were identified.
SIGNIFICANT DATA GAPS (SDGs)
The Property address – 2828 West 28th Street is listed on the UST database. The UST listing is for Petroleum Bulk Storage (PBS) registration 2-600253 set to expire July 23, 2024. The UST Tank ID is listed as 41680, for a 10,000-gallon UST containing #2-fuel oil for onsite consumption. The UST status is listed as having been installed in 1973 and closed-in-place in 2005. Hillmann recommends obtaining UST closure reports documenting whether presence/absence of impact to underlying environmental media was verified upon UST closure in 2005.

Historical Recognized Environmental Conditions (HRECs)

This assessment has revealed the following *historical recognized environmental conditions* (HRECs) in connection with the Subject Property:

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS	
	No HRECs were identified

De Minimis and Other Environmental Conditions

The following *de minimis* and other environmental conditions were identified:

OTHER ENVIRONMENTAL CONDITIONS / DE MINIMIS CONDITIONS
Multiple listing within the Property vicinity are listed on the MANIFEST and RCRA-NonGen databases associated with Con Edison infrastructure work which generated regulated waste for offsite transport/disposal. The listings are not indicative of a release and not considered a REC.
The Property address / tax block and lot is listed on the E-Designation database for a) exhaust stack location limitations, b) hazardous materials Phase I and II Testing Protocols and c) window wall attenuation & alternate ventilation. In the event of a change in land use or redevelopment involving a zoning action, the aforementioned environmental requirements will be required, per New York City Office of Environmental Remediation requirements, prior to issuance of permits and/or certificates of occupancy.

Environmental Professional Statement

I/We declare that, to the best of my professional knowledge and belief, I/we meet the definition of *Environmental professional* as defined in § 312.10 of 40 C.F.R. 312. I/we have the specific qualifications based on education, training and experience to assess a *property* of the nature, history and setting of the *subject property*. I/We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Etan Y. Hindin
Environmental Professional

Chris Hirschmann
Environmental Professional

1.4 Business Environmental Risks / Non-ASTM Scope

Hillmann has performed a limited review of the following potential Business Environmental Risks (BER), also known as "Non-ASTM Scope concerns", in accordance with the contracted scope of work scope for this assessment. BER is defined by ASTM E1527-21 as *"a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."* The following is a summary of findings for the limited review of potential BERs, where applicable, as per the contracted scope of work and limitations outlined in Section 2. For a more detailed discussion of the findings and contracted scope of work, please see the referenced report section.

BUSINESS ENVIRONMENTAL RISKS / NON-ASTM SCOPE			
Subject	**Findings**	**Not Appl.**	**Rpt. Ref.**
Asbestos	Given the 1972 year of construction ACM is suspected unless ruled out by laboratory analysis.		7.1
Lead Paint	Given the 1972 year of construction lead-paint is suspected unless ruled out by laboratory analysis and/or field detection.		7.2
Radon	The Property is located in the USEPA radon designation Zone 3 or 'low risk' area for radon.		7.3
Mold / Microbial Damage	Hillmann did not observe evidence of significant problems with moisture intrusion or mold/microbial growth at the Property.		7.4
NWI Wetlands/ FEMA Flood Zones	No NWI mapped Wetlands are present at the Subject Property. The Property is located within a FEMA 100-year flood zone.		7.5
Drinking Water	Potable water service at the Subject Property is provided by the City of New York which meets or exceeds USEPA drinking water quality standards. Building specific drinking water sampling was not performed.		7.6

2.0 INTRODUCTION

2.1 Purpose and Scope

This assessment was conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-21. The ASTM describes these methodologies as representing good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. § 9601) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35) (B). The goal of the processes established by ASTM E1527-21 is to identify *recognized environmental conditions* in connection with the Subject Property.

The term *recognized environmental condition* (REC) is defined by ASTM E1527-21 as *"(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment."*

The term *controlled recognized environmental condition* (CREC) is a type of recognized environmental condition and defined by ASTM E1527-21 as a *"recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations)."*

The term *historical recognized environmental condition* (HREC) is defined as a *"previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations)."* The ASTM E1527-21 standard has clarified that a *historical recognized environmental condition* is not a *recognized environmental condition*.

The term *de minimis condition* is defined by the ASTM, *"…a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."* A condition determined to be a *de minimis condition* is not REC nor a CREC.

The chief components of this assessment are generally described as follows:

- A non-invasive visual reconnaissance of the Subject Property and adjoining properties in accordance with ASTM guidelines for evidence of RECs.

- Interviews of past and present owners and occupants and state and local government officials, seeking information related to the potential presence of RECs at the Subject Property.

- A review of standard physical record sources for available topographic, geologic and groundwater data.

- A review of standard historic record sources, such as fire insurance maps, city directories, aerial photographs, prior reports and interviews, etc., to determine prior uses of the Subject Property from the present, back to the Subject Property's first developed use, or back to 1940, whichever is earlier.

- A review of standard environmental record sources including federal and state environmental databases, and additional environmental record sources, to identify potential regulatory concerns with the Subject Property, adjoining properties and properties located within the surrounding area.

An evaluation of environmental or other regulatory compliance matters is excluded from the scope of this assessment.

These methodologies are described as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

Business Environmental Risks/Non-ASTM Scope Considerations

In accordance with our contract agreement, Hillmann may have addressed the following potential environmental subject matters that are outside of the requirements of the ASTM E1527-21 standard:

Asbestos-Containing Materials (ACM): A cursory non-intrusive visual screening for the presence of suspect ACM within the accessed areas of buildings built prior to 1990 on the Subject Property. If the Subject Property contains buildings built in 1990 or later, the contracted scope of work excludes a cursory non-intrusive visual screening or any other level of evaluation for suspect ACM; however, the exclusion for buildings built ≥1990 should not be interpreted to suggest that any such buildings are free of ACM or would not warrant evaluation of building materials for ACM prior to disturbance. It is emphasized that this cursory non-intrusive visual screening does not constitute an asbestos survey/inspection of the premises. An asbestos survey/inspection should be sought by the report User(s) if a greater certainty is desired regarding ACM and potential asbestos hazards at the Subject Property. Furthermore, a review of regulatory compliance matters pertaining to asbestos is excluded from the scope of work.

Lead-Based Paint (LBP): A cursory non-intrusive visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1980 on the Subject Property. If the Property contains buildings built in 1980 or later, the contracted scope of work excludes any cursory non-intrusive visual screening or other level of evaluation for suspect LPB;

however, the scope of work exclusion for building built ≥1980 should not be interpreted to suggest that any such buildings are free of LPB or other lead hazards. It is emphasized that this cursory non-intrusive visual screening does not constitute a comprehensive survey for LBP or potential lead hazards. A comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding LBP at the Subject Property. Furthermore, a review of regulatory compliance matters pertaining to lead-based paint is excluded from the scope of work.

USEPA Designated Radon Potential: Review of general non-site specific data published by the USEPA regarding the Radon Zone classification for the area of the Subject Property.

Mold/Microbial Damage: A cursory non-intrusive visual screening within the accessed areas of buildings on the Subject Property for evidence of systemic microbial problems, including visible mold growth, water damaged building materials or musty odors. It is emphasized that this cursory non-intrusive visual screening does not constitute a comprehensive survey for moisture/mold/microbial damage. A more comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding the potential for moisture/mold/microbial damages at the Subject Property.

Drinking Water: The source of drinking water to Property will be identified. If not provided by a municipal or public water system, Hillmann will request, review and summarize available data of drinking water quality testing from the Property.

2.2 Property Location/Legal Description

Property location and legal description details are described as follows:

Primary Street Address:	2828 West 28th Street				
City:	Brooklyn	**County:**	Kings	**State:**	New York
Tax ID/Parcel Number:	Block 7011 Lot 11				
Approx. Land Area:	2.03-acres				
Apprx. Latitude/Longitude:	North 40.5573548 degrees/West 73.993936 degrees				
Additional Details (if appl.):	Secondary Addresses: 2802-2878 West 28th Street and 2861-2871 West 29th Street and 2802-2804 Neptune Avenue.				
Property Owner:	Park, Sea Housing				
Zoning Designation:	R6 (Residential) with no commercial overlay				

2.3 Data Gaps

A *data gap* is defined by the ASTM as a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. A data gap is only significant if other information and/or professional experience raises reasonable concerns involving the data gap and the ability to determine the presence or absence of recognized

environmental conditions. The following table summarizes data gaps encountered during the assessment as well as a discussion of their significance.

Data Gap:	Significant (Yes/No)?	Discussion
Historical records data failure	No	The date and/or type of the first developed use of the Subject Property was not documented. Records gaps exceeding five years were encountered; however, no significant site use changes are suspected during these intervals.
Response to agency records requests not received as of date of report.	No	Any additional information indicative of a REC will be forwarded upon receipt.

2.4 ESA Report Component Dates/Viability

The ASTM E1527-21 standard states that an environmental site assessment (ESA) is presumed to be viable when it is conducted within 180 days prior to the date of acquisition of the Subject Property (or, for transactions not involving an acquisition such as a lease or refinance, the date of the intended transaction). Specifically, all of the following components must be conducted or updated within 180 days prior to the date of acquisition or prior to the date of the transaction. The following table summarized the component completion dates:

ESA Component	Completion Date
Interviews	August 30, 2022
Env Lien Search	(excluded from scope)
Government Records Review	August 22, 2022
Visual Inspections	August 30, 2022
Env. Professional Declaration	September 19, 2022

2.5 User Reliance

This report is for the exclusive use of TerreAlto and additional relying entities, if any, named on the front cover. No additional individuals or entities shall be permitted to rely upon any data, interpretation, reports or other information or documentation contained in this report, without first obtaining the consent of TerreAlto; and without obtaining written consent from Hillmann in the form of a reliance agreement/letter.

Hillmann may, in its sole discretion, withhold its consent to additional reliance and/or Hillmann may condition consent for reliance upon payment of a fee or other conditions.

2.6 Significant Assumptions

The following significant assumptions are made:

- The site operations at the time of the site visit are assumed to reflect typical site conditions relative to potential environmental conditions and that no concealment of environmental conditions or releases by site owners or occupants has occurred. Likewise, it is assumed that no

areas of the Subject Property with potential environmental concerns or RECs were concealed or otherwise not reported, intentionally or unknowingly, by the Subject Property owners/occupants and/or site escort at the time of the site visit.

- For the purpose of estimating the approximate direction of groundwater flow in the absence of site specific groundwater data, unless indicated otherwise, an assumption has been made that the gradient of groundwater flow follows the surface topography of the Subject Property and immediate surrounding area.

2.7 General Limitations and Exceptions

Limitations

The report turnaround time specified by the contract agreement for this assessment may present a limitation to the availability of pertinent regulatory agency records. Such limitations, if encountered, would be further specified in Section 4.1.

Significant limitations related to the condition or accessibility of the Subject Property at the time of the site reconnaissance, if encountered, are reported in Section 6.1.

Other Exceptions or Deletions

No other exceptions or deletions from the ASTM Standard E 1527-21 are reported.

Special Terms and Conditions

This Phase I Environmental Site Assessment has been prepared using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Subject Property. Findings within this report are based on information collected from observations made on the day of the site reconnaissance and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, site development, redevelopment, or other construction purposes. No representation or warranty is made that the past or current operations at the Subject Property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes.

Findings, conclusions and recommendations presented in this report are based on visual observations of the Subject Property, interviews conducted, the records reviewed, information provided by the Client, and/or a review of readily available and supplied drawings and documents. Information obtained during the assessment, whether written, graphic or verbal, provided by the Subject Property contact(s) or as shown on any documents reviewed or received from the Subject Property contact, owner or agent, or government agency source; is assumed to be accurate except as specifically stated otherwise in this report. Independent verification of the accuracy or

completeness of all information reviewed or received during the course of this assessment is not made and excluded from the scope of work for this assessment. No warranty or guarantee is made of the accuracy or completeness of information that was obtained from ostensibly knowledgeable individuals, regulatory agency representatives or other secondary sources.

Regardless of the findings stated in this report, Hillmann is not responsible for consequences or conditions arising from facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. Hillmann can neither warrant nor guarantee the accuracy or completeness of the information obtained from the regulatory database report provider during the course of this assessment.

Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques.

Reasonable efforts have been made during this assessment to identify aboveground and underground storage tanks and ancillary equipment. Reasonable efforts are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify surficial and subsurface features that may have been hidden from view due to parked automobiles and other vehicles, snow cover, vegetative growth, pavement, construction or debris pile storage or incorrect information from sources.

No guarantee, explicit or implied, is made that the records pertaining to historical ownership or occupancy which were reviewed represent a comprehensive or precise delineation of past Property ownership or tenancy for legal purposes.

The ASTM E1527-21 standard states that recommendations are not required to be included in a Phase I ESA report; however, further that recommendations are an additional service that may be useful in the User's analysis of landowner liability protections or business environmental risks; and that the User should consider whether recommendations for additional inquiries or other services are desired.

Recommended response actions offered in Section 1.3, if any, are provided as an option to the Client, and may have taken into account the Client's relation to the Subject Property and/or their intended purpose of this assessment. If included, it is not intended by Hillmann to represent the only course(s) of action, or inaction, to take. Furthermore, it is emphasized that additional response actions may become advisable depending on the outcome of the initial action(s) taken. Hillmann advises that Client and any additional authorized relying parties as specified on the report Cover and Section 2.5, or via letter of reliance extension, undertake consultation with legal counsel familiar with environmental and real estate law would be beneficial to the decision making process

for the type and timing of a response action to identified RECs or Business Environmental Risks, if any.

Due to the limited nature of our review of potential Business Environmental Risks, the User(s) of the report should consider whether to take additional action(s) to further define, properly manage and/or mitigate potential BERs.

The User(s) assumes responsibility for business decisions that it makes utilizing information in the report provided by Hillmann. Hillmann shall not be responsible for any conclusions, interpretations and/or decisions of the User(s).

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the consulting services agreement for this project, the consulting services agreement shall control.

3.0 USER PROVIDED INFORMATION

The term "User" is defined by ASTM as the party seeking to use Practice E1527 to complete an environmental site assessment of the Subject Property; specifically, the entity or entities named on the front cover to which the report has been addressed.

3.1 Prior Environmental Reports/Documentation

No prior environmental reports/documentation were provided.

3.2 User Responsibilities

In order to qualify for Landowner Liability Protections (LLPs) offered by federal regulations, the User must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The User should provide the following information to the environmental professional (Hillmann). Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete. To assist the report User to meet these requirements, Hillmann has provided a questionnaire of inquiries (User Questionnaire) specified in 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31 with instructions to complete and return to Hillmann. A completed questionnaire was not returned to Hillmann.

Question:	Yes/No:	Detail:
1. Search of Land Title and Judicial Records: Has the User performed a search of land title records and judicial records for environmental liens and/or Activity and Use Limitations (AULs) filed or recorded against the property?	NR	
1.a. If yes to Question 1: Did the search identify any environmental liens or Activity and Use Limitations (AUL), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?	NR	
1.b. If yes to Question 1: Has the User provided the result of the search of land title and judicial records to Hillmann?	NR	
2. Specialized knowledge or experience of the person seeking to qualify for the LLP: Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	NR	
3. Relationship of the purchase price to the fair market value of the property if it were not contaminated: Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	NR	

Question:	Yes/No:	Detail:
4. Commonly Known or Reasonably Ascertainable Information: Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,		
4.a. -Do you know the past uses of the property?	NR	
4.b. -Do you know of specific chemicals that are present or were once present at the property?	NR	
4.c. -Do you know of spills or other chemical releases that have taken place at the property?	NR	
4.d. -Do you know of any environmental cleanups that have taken place at the property?	NR	
5. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation: Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?	NR	
6. Litigation/Administrative Proceedings/Government Notices: As the User of this ESA, do you have knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.	NR	
7. User's Reason/Purpose for Performing Phase I ESA:	The User did not indicate the purpose of the assessment. In accordance with ASTM E1527-21, it is assumed that the Phase I ESA was being performed in order to qualify for landowner liability protection to CERCLA liability.	

4.0 RECORDS REVIEW

4.1 Environmental Information

Physical Setting

Source	Discussion
USGS 7.5 minute Topographic Map Data: (EDR Geocheck-Physical Setting Source Addendum)	The Property lies at an elevation of approximately 3 feet above mean sea level. An interpretation of topographic contour lines as well as a review of the EDR Geocheck-General Topographic Gradient suggested terrain sloping downward towards the east-northeast. The closest down gradient water body is the Coney Island Channel, located approximately 800-feet to the south.
USDA SCS Soil Data: (EDR Geocheck-Physical Setting Source Addendum)	The soil type at the Subject Property is classified as "Urban Land". The Urban Land designation indicates that a majority of the original soils on the site have been disturbed by development or covered with impervious surfaces, such as buildings or pavement.
Geologic Data: (EDR Geocheck-Physical Setting Source Addendum)	The Geologic Age Identification is Stratified Sequence and the Rock Stratigraphic Unit is the Cenozoic Era, Quaternary System, and Pleistocene Series.
Prior Env. Reports: (Section 3.2)	None provided.
Additional Sources/ Data:	No additional physical setting sources or data was obtained.
Groundwater Flow Discussion:	Based on a review of the above information as well as observation of the site, the direction of shallow groundwater flow at the site is inferred to be towards the south.

Federal, State and Tribal Environmental Record Sources

Standard government records were obtained and reviewed primarily via a third-party regulatory database report, titled EDR Radius Map™ Report, prepared by Environmental Data Resources of Shelton, CT. The report provided government records from the standard environmental resources and within minimum search distances specified by Section 8.2.2-Table 2 of the ASTM E1527-21; and were reviewed for the purpose of identifying potential RECs in connection with the Subject Property. Additional detail of the source and significance of the regulatory databases can be found in the regulatory database report in Appendix E. Hillmann has also included discussion of records pertaining to the Subject Property from other government record sources not specifically listed under Table 2, as applicable.

Reported distances for adjoining property listings, if applicable, are approximate and indicative of the presence of a public roadway or right-of-way between the adjoining site and Property.

The reported gradients have been estimated based on a number of factors including but not necessarily limited to field observation, review of topographic maps, database listing details and/or site specific geo-technical data.

Limited analysis of the details of on-site, adjoining and vicinity database sites was conducted to identify potential sources of sub-surface vapor encroachment. This review was based on elements of the ASTM "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" (ASTM E 2600-15); and also on elements of "Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources" (Buonicore, 2011-S-103-AWMA). Vicinity database sites pertaining to

non-petroleum product releases within 1,760 feet of the Subject Property in the up-gradient direction, 365 feet of the Subject Property in the cross gradient direction and 100 feet of the Subject Property in the down gradient direction; and vicinity database sites pertaining to petroleum product releases within 528 feet of the Subject Property in the up-gradient direction, 165 feet of the Subject Property in the cross gradient direction and 100 feet of the Subject Property in the down gradient direction were reviewed to identify active contamination sites with the potential to affect subsurface vapor conditions at the Subject Property. The potential for vapor encroachment was considered in assessing whether or not a REC exists in connection with the Subject Property when reviewing applicable sites within those distances.

Regulatory database sites with active petroleum or non-petroleum releases that are considered to constitute a vapor encroachment condition (VEC) to the Subject Property, if any, are identified and discussed in this section.

The EDR Radius Map report is attached in Appendix E.

Property Listings

The Property address / tax block and lot is listed on the E-Designation database for a) exhaust stack location limitations, b) hazardous materials Phase I and II Testing Protocols and c) window wall attenuation & alternate ventilation. In the event of a change in land use or redevelopment involving a zoning action, the aforementioned environmental requirements will be required, per New York City Office of Environmental Remediation requirements, prior to issuance of permits and/or certificates of occupancy.

The Property address – 2828 West 28th Street is listed on the UST database. The UST listing is for Petroleum Bulk Storage (PBS) registration 2-600253 set to expire July 23, 2024. The UST Tank ID is listed as 41680, for a 10,000-gallon UST containing #2-fuel oil for onsite consumption. The UST status is listed as having been installed in 1973 and closed-in-place in 2005.

The Property is further listed on the AST database for a 7,098-gallon #2 fuel oil AST installed in 2005.

Adjoining Property Listings

Multiple listings within the Property vicinity were identified associated with Con Edison infrastructure work which generated regulated waste for offsite transport/disposal. The listings are not indicative of a release and not considered a REC.

Multiple LTANKS and NY SPILLS listings within the Property vicinity were identified. Each case obtained regulatory closure. Given the regulatory status, the adjoining LTANKS and NY SPILLS cases are not considered a REC in connection with the Property.

Surrounding Area Findings

The following is a discussion of non-adjoining sites identified as located within the ASTM specified search distance surrounding the Subject Property. In order to keep this discussion informative and

concise, discussion(s) is/are provided of the listed site(s) for each database category that appears most likely to impact the Subject Property based on distance, area topography and/or regulatory status. Listings of sites within the applicable search distances not specifically discussed below were reviewed and concluded not to be RECs in connection with the Subject Property or VECs based on various factors including distance, area topography, known or inferred groundwater flow direction and/or regulatory status.

Federal NPL				**# of sites:**	0	**Search Distance:**	1-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal Delisted NPL				**# of sites:**	0	**Search Distance:**	1-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal SEMS				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal SEMS-ARCHIVE				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal CORRACTS				**# of sites:**	0	**Search Distance:**	1-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal RCRA-TSD				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

State/Tribal SUPERFUND & HAZARDOUS WASTE				**# of sites:**	3	**Search Distance:**	1-mile
Notable Listing:	3375-3377 Neptune Avenue / Former Gateway French Dry Cleaners						
Distance in feet:	1,273	**Direction:**	NW	**Gradient:**	Cross		
Data Discussion:	Given the distance and gradient, the SHWS listing is not considered a REC in connection with the Property. The case status is listed as: "*Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site*."						
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Property.						
VEC Discussion:	Based on the available data, a VEC is not suspected.						

State/Tribal LANDFILL/SOLID WASTE DISPOSAL				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

State/Tribal LEAKING STORAGE TANKS					**# of sites:**	48	**Search Distance:**	½-mile
Notable Listing:	24 LTANKS cases and 53 NY SPILLS cases.							
Distance in feet:	Multiple	**Direction:**	Multiple	**Gradient:**	Multiple			
Data Discussion:	Each of the LTANKS and NY SPILLS due to their distance, gradient and/or regulatory status is not considered a REC in connection with the Property.							
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Property.							
VEC Discussion:	Based on the available data, a VEC is not suspected.							

State/Tribal VOLUNTARY CLEANUP SITES				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

State/Tribal BROWNFIELD SITES				**# of sites:**	3	**Search Distance:**	½-mile
Notable Listing:	3375-3377 Neptune Avenue / Former Gateway French Dry Cleaners						
Distance in feet:	1,273	**Direction:**	NW	**Gradient:**	Cross		
Data Discussion:	As noted above, (the site is also listed on the SHWS database) remediation is complete at the site and given the distance, is not considered a REC in connection with the Property.						
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Property.						
VEC Discussion:	Based on the available data, a VEC is not suspected.						

UNMAPPED/ORPHAN LIST SITES

	Hillmann has also reviewed a list of unmapped sites (a.k.a. "Orphan List" sites) indicated by the database report. Unmapped sites that were identified as falling within an applicable specific search distance or warranting discussion have either been discussed in the preceding tables or are detailed below:
Notable Listings:	None

Additional Environmental Record Sources

Requests have been submitted to local, municipal and state agencies for pertinent records pertaining to the Subject Property, particularly with regard to potential environmental concerns such as petroleum storage tanks, storage and usage of hazardous substances and petroleum products, and/or known or suspected environmental contamination. Where applicable, internet research of government environmental regulatory databases was also conducted, as well as a general cursory internet search of the Subject Property address, for information indicative of a REC. The following table summarizes the findings of the research:

Source	Type of Request	Outcome
Building/Code Enforcement.	Online search	Hillmann reviewed available on-line records pertaining to the Property. No information indicative of a REC was identified. Boiler information indicating dual natural gas / number 2 fuel oil was noted.
FDNY-Public Records Unit / Tank Section	Storage tank search request	No response was received prior to report issuance.
NYS Dept of Environmental Conservation	FOI request	No response was received prior to report issuance.
NYC Dept of Environmental Protection	FOI request	A response was recieved stating that no records were found.
EPA Envirofacts	Online search	Hillmann reviewed available on-line records pertaining to the Property. No information indicative of a REC was identified.
Internet Search Engine	Online search	Hillmann reviewed available on-line records pertaining to the Property. No information indicative of a REC was identified.

Pertinent records referenced in the above table have been included in Appendix F.

4.2 Historical Research

Historical records have been compiled and analyzed for historical property information and developing a history of previous uses of the Subject Property, adjoining properties and surrounding area. These records were reviewed for the purpose of identifying the likelihood of past uses having led to RECs in connection with the Subject Property.

The historical record sources listed below have been sought with the objective to document past uses of the Subject Property from the present back to the Subject Property's first developed use, or back to 1940, whichever is earlier. The term "developed use" includes agricultural use, placement

of fill dirt and other uses that do not involve structures. Hillmann has sought to review historical records in minimum intervals of five years.

Fire Insurance Maps

A Certified Sanborn Map Report was obtained from EDR for a review of published historic fire insurance maps for the Subject Property and surrounding area. The following is a summary of site uses and notable details depicted by the available maps:

Year(s)	Prop/Adj	Depicted Use(s)	Notable Details
1895, 1905, 1906, 1930, 1950, 1966, 1968, 1977-1983, 1986, 1987, 1989, 1991-1996, 2001-2007	**Property:**	Multiple dwellings and stores are depicted in beginning in 1930. Beginning in 1977, the Property is depicted in its present configuration, and listed as Coney Island Housing – site 7 Building 10.	None
	Adjoining:	Multiple dwellings and stores	None

A copy of the Certified Sanborn Map Report is attached in Appendix D.

City Directories

An EDR City Directory Abstract report was reviewed for data of former occupants of the Subject Property's street address. The following is a generalized summary of the findings of city directory research for past occupants of the Subject Property.

Property	
Use(s) / Occupant(s):	**Years**
Multiple residential occupants.	1928-2017

The EDR City Directory Abstract report was also reviewed for listings of historic occupants of the adjoining properties. The following is a general summary of listings of historic adjoining property occupants:

Adjoining Properties	
Use and/or Occupant(s)	**Years**
Primarily residential listings.	1928 - 2017

A copy of the EDR City Directory report is attached in Appendix D.

Historical Topographic Maps

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical aerial photographs were not researched for this assessment.

Historical Aerial Photographs

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical aerial photographs were not researched for this assessment.

EDR High-Risk Historical Records

The EDR Radius Map™ report, which is discussed in greater detail in Section 4.1 and attached in Appendix E, provided a search of proprietary databases of potential historical high-risk uses at or in the vicinity of the Subject Property. These databases include EDR Historic Cleaners – a database of property addresses with records of historical occupancy by suspected cleaners businesses; EDR Historic Auto – a database of property addresses with records of historical occupancy by potential automotive gas/filling stations and repair facilities; and EDR MGP- a database of sites historically occupied by manufactured gas plants and related facilities.

EDR Database	On-site Listings:	Adjoining/Off-Site Listings
Historic Cleaners: (on-site/adjoining only)	None	None
Historic Auto: (on-site/adjoining only)	None	None
MGP: (1-mile distance)	None	None within area of potential concern

Petroleum/Natural Gas Well Review

The historical record sources were reviewed for records of historic petroleum and/or natural gas wells at the Subject Property. No record of any historical petroleum/natural gas wells at or adjoining the Property was identified.

Additional Historical Data

Where applicable, the following additional pertinent historical data was obtained:

Interviews/Anecdotal:	No additional pertinent historical data was obtained.
Local Gov't Records:	No additional pertinent historical data was obtained.
Prior Env. Reports: (Section 3.2)	Not applicable; no prior reports were provided.
Site Observations:	Indications of historic uses of the Property or adjoining properties were not observed during the site reconnaissance.
Other Sources:	No additional pertinent historical data was obtained.

Summary of Identified Historic Uses

The following table presents a summary of the types and approximate date ranges of identified prior uses of the Subject Property:

Property	
Date Range	**Use**
1906-1972	Residential, commercial
1972-Present	Apartments and daycare

The following table presents a summary of the types of identified prior uses of the adjoining properties:

Adjoining Properties	
Date Range	**Use**
1906-Present	Residential, commercial

Historical Records Data Failure

The ASTM E1527-21 standard defines data failure as failure to achieve the historical research objective even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. The objective is to identify all obvious uses of the property from the present, back to the property's first developed use, or back to 1940, whichever is earlier. Furthermore, records of historic use/conditions were sought in intervals no less than approximately five years, unless the property conditions appear unchanged over a longer interval. In encountered, data failure and its significance as a data gap is discussed below:

Objective	Met?	Detail	Significant?
First developed use/date determined?	Yes	The first developed use of the Property was stores and dwellings in the early 1900's.	NA
Record sources at 5-year intervals back to 1940 or first developed use?	No	Historical record gaps exceeding five years were encountered. However, significant site-use changes or undiscovered site uses appear unlikely to have occurred during the record gaps.	No
All obvious prior uses identified?	Yes	See Summary of Identified Past Uses of this section.	NA

Please refer to Section 2.3 for additional discussion of data gaps and their significance to the findings of the assessment.

Historic Uses REC Discussion

The review of historical records did not indicate evidence of a REC in connection with the Property.

5.0 INTERVIEWS

5.1 Interviews with Owners, Operators and Occupants

Current Owner/Operator, Super, Occupant (as available)

Property Escort	Contact Name	Affiliation	Interview Type
Property Manager	Ilso Kim	Property Manager	In person
Interview Date:	August 30, 2022		
Interview Outcome/Findings:			
An interview for information pertinent to the assessment was conducted in person at the time of the site visit. The following pertinent information was indicated: Ilso Kim was unaware of any environmental conditions at the Property.			

Prior Owners/Operators/Occupants

Name	Company/Title	Yrs @ Site	Interview Type
Interview Date:			
Interview Outcome/Findings:			
No prior owners, operators or occupants were interviewed.			

Neighboring Property Owner/Occupants

Name	Company/Title	Yrs at site	Interview Type
Interview Date:			
Interview Outcome/Findings:			
The Property was not an abandoned property with evidence of unauthorized uses or uncontrolled access; therefore, interviews with adjoining or nearby property owners or occupants were not conducted.			

5.2 Interviews with State and/or Local Government Officials

State and/or local governmental officials have been interviewed to obtain information of potential RECs in connection with the Subject Property. Many government agencies and their officials require submittal of written request for records in order to respond. The details in Section 4.1 list the various state and local government agencies contacted as part of this assessment, and the outcome of each inquiry. In addition, the details of regulatory database research in Section 4.1 may have included detail of interviews with officials pertinent to government records review and identification of RECs.

Additional interview of government officials not previously detailed in Sections 4.1 are discussed below, if applicable.

Name	**Agency Name/Title**	**Interview Type**
Interview Outcome/Findings:		
No additional local/state government officials were interviewed.		

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

A site reconnaissance was conducted to collect information and make observations to help identify RECs in connection with the Subject Property. This included visual and/or physical observations of the Subject Property and its structures, adjoining properties as viewed from the Subject Property boundaries and the surrounding area based on visual observations from adjoining public thoroughfares and accessed Subject Property structures. Subject property building exteriors were observed at ground level, unless otherwise indicated. Where applicable, building interiors were accessed and observed to the extent they were made safely accessible with the cooperation of the site escort.

Site Inspection Personnel:	Mr. Ryan Powell
Property Escort/Company:	Ilso Kim / Property Manager with Progressive Management
Inspection Date:	August 30, 2022
Weather Conditions:	Sunny, 83 degrees F

Significant Inaccessible Areas

No significant areas of the Property inaccessible at the time of the inspection were noted.

Significant Limiting Site Conditions

No significant limiting site conditions were noted at the time of the site reconnaissance.

6.2 General Site Setting

Site and Vicinity Characteristics

Abutting Roadways:	West 29th Street to the west; West 28th Street to the east and Neptune Avenue to the north.
Current Property Use:	Residential apartments
Evidence of Past Property Uses:	None observed.
Evidence of Past Adjoining Property Uses:	None observed.
Surrounding Area Uses:	Residential, mixed-use

Current Adjoining Property Uses

Dir	Street Address	Description
N	2529 Neptune Ave	Recreational
S	2805 Mermaid Ave	Mixed-use
E	2727 Mermaid Ave	USPS
W	2901 Mermaid Ave	Shopping Center

No visual observations indicative of a potential environmental concern were noted on the adjoining properties.

Topographic Characteristics

Terrain:	Flat
Direction of Downward Slope:	None observed
On-site Water Bodies:	None observed
Other Significant Features:	None observed

General Description of Structures and Improvements

Buildings:	One
Approx. Building Size:	102,000-ft²
Approx. Year Built:	1972
Number of Stories:	15
Basement/Subgrade Levels:	None
Exterior Ground Cover:	Concrete sidewalk, asphalt parking, landscaped areas
Ancillary Structures:	None
Sources of Heating & Cooling:	Dual Natural gas /No. 2 Fuel oil, and electric powered systems
Potable Water/Sewage Disposal:	Municipal utility connections

6.3 Site Features and Conditions

Storage/Usage of Hazardous Substances and Petroleum Products

The following approximate number of containers, and general description of their contents, capacity, container types and storage conditions, were observed to be stored and/or used at the Subject Property:

Occupant	Substance	Qty/Container Type	Storage Conditions
Super	Cleaning/Maintenance materials	Various	Stored indoors on intact concrete. No concerns noted.

Bulk Petroleum/Hazardous Material Storage Tanks

The following storage tanks for bulk petroleum or hazardous material storage were identified or reported to be present; or are suspected to be present based on visual observations:

AST/ UST	Product	Capacity	Construction	Year Installed	Status	Location/Notes
UST	No. 2. Fuel Oil	10,000-gal	Steel	1973	Closed-in-place	Playground area.
AST	No. 2 Fuel Oil	7,098-gal	metal	2005	Active	No concerns noted.

See discussion above in CRECs section pertaining to the closed-in-place UST.

Strong, Pungent or Noxious Odors and their Sources

No strong, pungent or noxious odors were noted at the Subject Property.

Standing Surface Water/Pools & Sumps

No standing water, pools or sumps containing liquids likely to be hazardous substances or petroleum products were noted.

Drums, Totes and Intermediate Bulk Containers

No hazardous substance or petroleum product drums were noted.

Unidentified Substance Containers

No unidentified substance containers suspected of containing hazardous substance or petroleum product were noted.

PCBs in Oil Filled Electrical/Hydraulic Equipment

No oil-filled electrical or hydraulic equipment was identified at the Subject Property.

It is noted that identification of PCB containing fluorescent light ballasts, caulk, paint, or other materials located inside and are part of the building or structure is outside of the scope of the ASTM E1527-21 standard and this assessment.

Stains or Corrosion on Floors, Walls or Ceilings

No stains or corrosion of floors, walls or ceilings, excluding any staining from water, were noted.

Drains and Sumps

No floor drains or sumps indicative of a REC were identified.

Pits/Ponds/Lagoons

No pits, ponds or lagoons were identified in connection with waste treatment or disposal.

Stained Soil, Pavement/Stressed Vegetation

No stained soil, pavement or stressed vegetation was observed.

On-Site Solid Waste Disposal/Fill Material

No evidence of on-site disposal of trash, construction debris, demolition debris or other solid waste was observed.

Waste Water

Sanitary sewage generated at the Subject Property is discharged via a connection to the local public sewer system.

Storm water runoff at the Subject Property is discharged via roof drains into the municipal sewer system.

No additional waste water discharges were identified at the Subject Property.

Septic Systems/Cesspools

No septic systems or cesspools were identified at the Subject Property.

Wells

No wells (including any dry wells, irrigation wells, injection wells, abandoned wells, or other wells) were identified at the Subject Property.

Railroad Spurs

No railroad spurs were identified on the Subject Property.

7.0 BUSINESS ENVIRONMENTAL RISKS

In accordance with the contract agreement for this assessment, Hillmann has performed cursory reviews of several potential Business Environmental Risks (also known as "Non-Scope Considerations"). The ASTM E1527-21 standard defines the term business environmental risk (BER) as, *"a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."*

7.1 Asbestos-Containing Material (ACM)

The contracted scope of work included a cursory visual screening of the accessed portions of buildings at the Subject Property for suspect asbestos containing materials (ACM). The information provided in this section, where applicable, is limited to identification of potential suspect materials in the readily accessible and observed areas of the building, and their general condition. This is not intended to be a comprehensive survey for the presence of ACM, and no testing has been conducted.

Given the 1972 construction ACM is suspected unless ruled out by laboratory analysis.

7.2 Lead-Based Paint

The contracted scope of work included a cursory visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1978. This is not intended to constitute a comprehensive survey for LBP or potential lead hazards.

Given the 1972 construction LBP is suspected unless ruled out by laboratory analysis and/or field detection.

7.3 Radon

Data compiled by the USEPA, as summarized by the regulatory database report, indicated that the Subject Property is located in an area classified as Zone 3 or 'low risk' area for radon.

7.4 Mold/Microbial Damage

The contracted scope of work included a cursory visual screening of the accessed areas of the building for evidence of significant damage to building materials and finishes as result of moisture intrusion and/or mold/microbial growth. Hillmann did not observe evidence of significant problems with moisture intrusion or mold/microbial growth at the Property.

7.5 NWI Mapped Wetlands

The National Wetlands Inventory online Wetland Mapper (https://www.fws.gov/wetlands/data/mapper.html) was reviewed for indications of jurisdictional wetlands at or immediately adjoining the Subject Property. The scope of work for this assessment excluded a visual

determination of regulated wetlands at the Subject Property. It is emphasized that, regardless of the data reviewed via the NWI Wetlands Mapper, a field delineation of regulated wetlands by a qualified professional would be warranted to determine the presence or absence of regulated wetlands at the Subject Property.

The review did not indicate regulated wetland areas on the Property.

7.6 Drinking Water

Potable water service at the Subject Property is provided by the City of New York which meets or exceeds USEPA drinking water quality standards.

Building specific drinking water sampling was not performed.

8.0 REFERENCES

ASTM E1527-21-Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process; ASTM International, 2021

ASTM E12600-15-Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction, ASTM International, 2015

EDR Radius Map Report, and historical record reports discussed in Section 4, Environmental Data Resources

Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources; A. Buonicore, 2011

9.0 APPENDICES

Appendix A	Site Diagram / Vicinity Map
Appendix B	Site Photographs
Appendix C	Questionnaires / User Provided Information
Appendix D	Historical Records Documentation
Appendix E	Regulatory Records Documentation
Appendix F	Other Documents / Lab Results
Appendix G	Project Personnel Qualifications

APPENDIX A

MAPS / DIAGRAMS

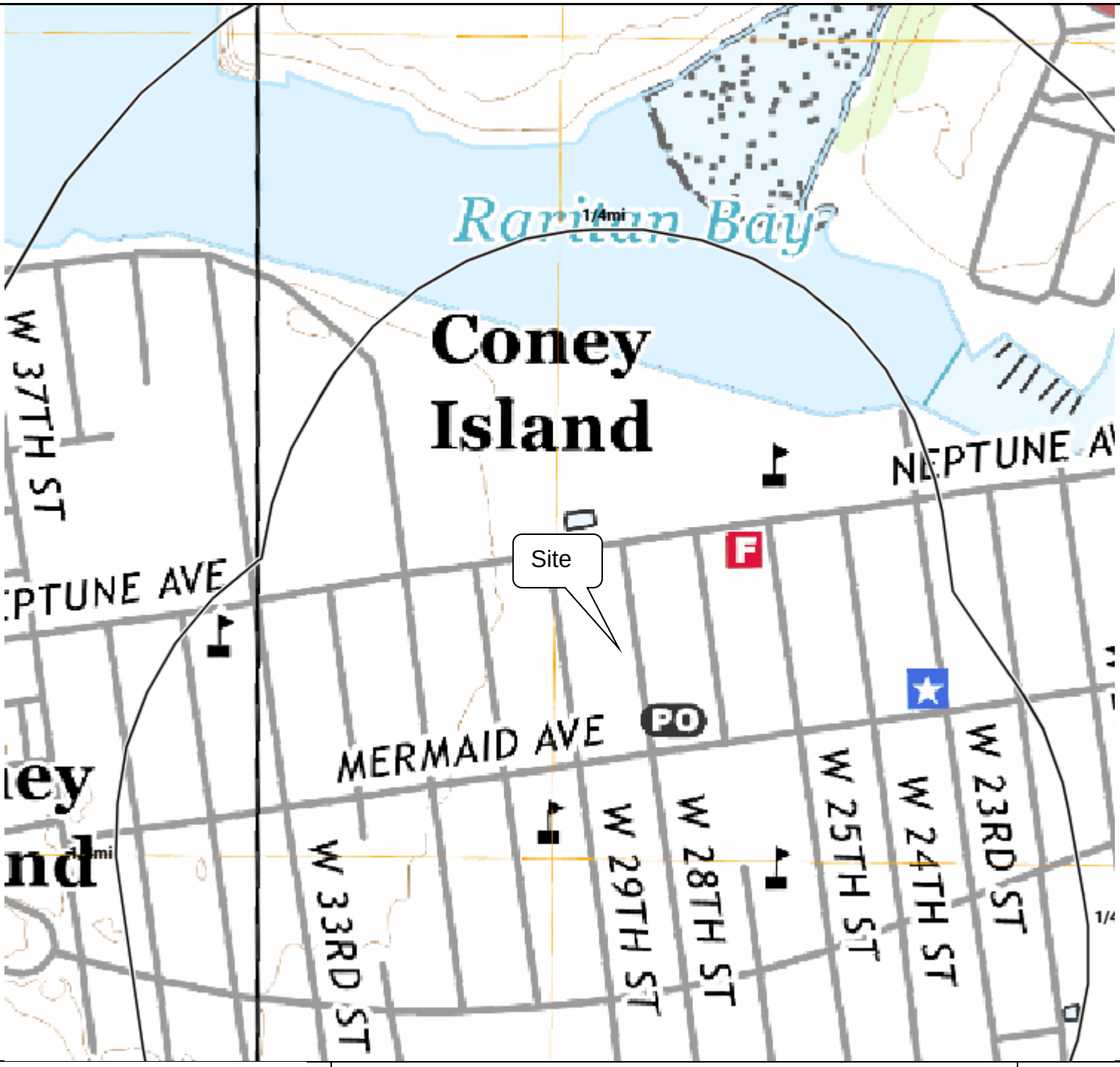

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Figure 1: Site Vicinity Map

2828 West 28th Street
Brooklyn, New York

N

SCALE: (NOT TO SCALE)

PROJECT No.: Z34991.3

HILLMANN CONSULTING

Figure 2: Site Diagram

2828 West 28th Street
Brooklyn, New York

N

SCALE: (NOT TO SCALE)

PROJECT No.: Z34991.3

APPENDIX B

SITE PHOTOGRAPHS

SITE PHOTOGRAPHS

Subject Property – east and north façade

Subject Property –north façade

Subject Property – south façade

Subject Property – west façade

Trash Compactor

Asphalt Rooftop

PHASE I ESA - SITE PHOTOGRAPHS

2828 West 28th Street,
Brooklyn, New York

Project No.:	Z34991.3

HILLMANN
CONSULTING

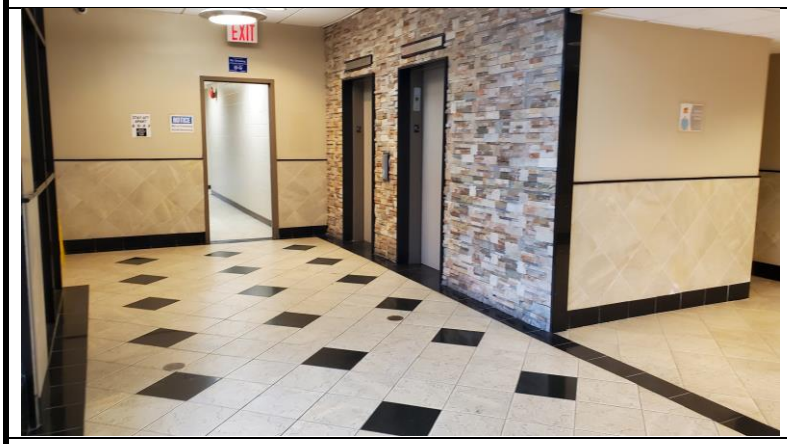
SITE PHOTOGRAPHS

AST in tank room south side of building

Traction Elevator

Parking Lot

Basketball Court



Lobby

Storage Room

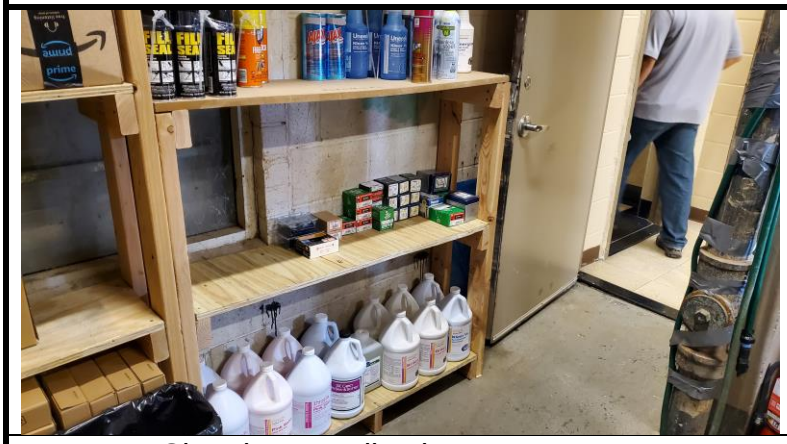
PHASE I ESA - SITE PHOTOGRAPHS

2828 West 28th Street,
Brooklyn, New York

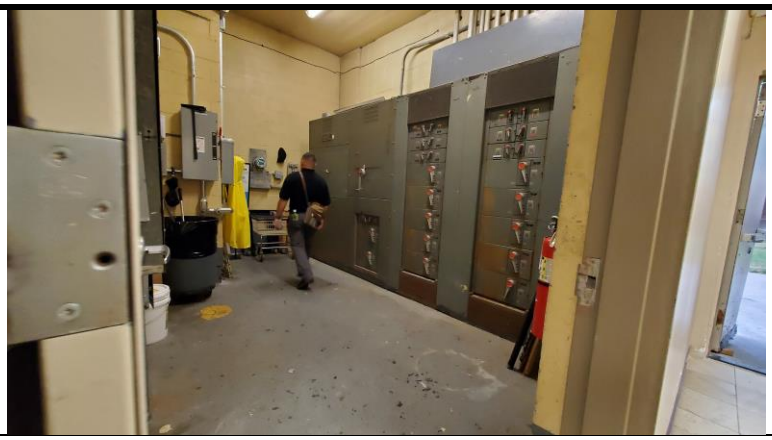
Project No.:	Z34991.3

HILLMANN
CONSULTING

SITE PHOTOGRAPHS

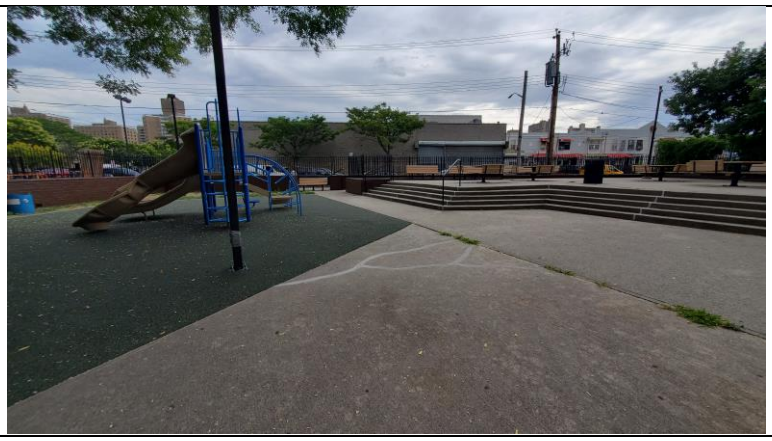


Cleaning supplies in storage room

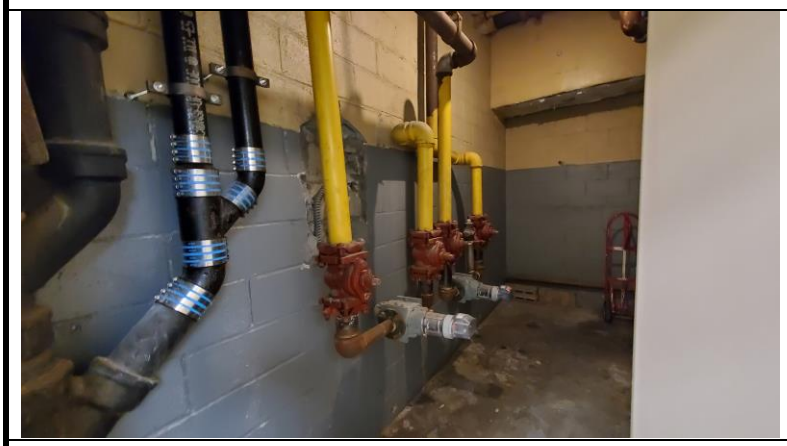


Electric Meters

Dual fuel boilers



Courtyard - south and west



Gas meters

Laundry

PHASE I ESA - SITE PHOTOGRAPHS

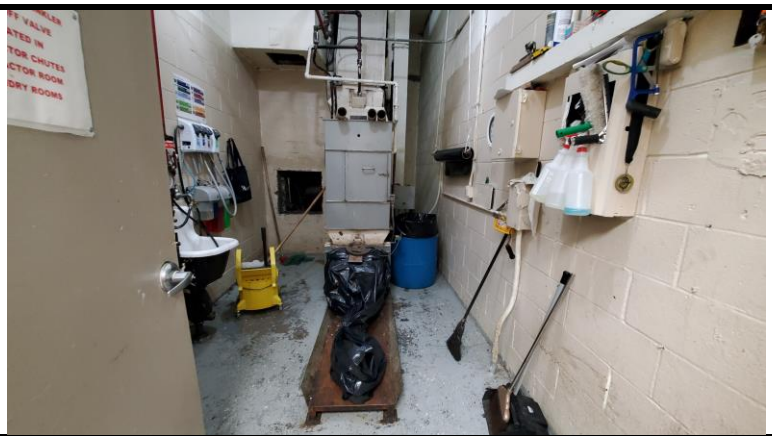
2828 West 28th Street,
Brooklyn, New York

Project No.:	Z34991.3

HILLMANN CONSULTING

SITE PHOTOGRAPHS

Natural gas hot water heaters



Interior garbage compactor

Adjoining property to the north - Church

Adjoining property to the east - residential

Adjoining property to the west - residential

Adjoining property to the north – mixed use

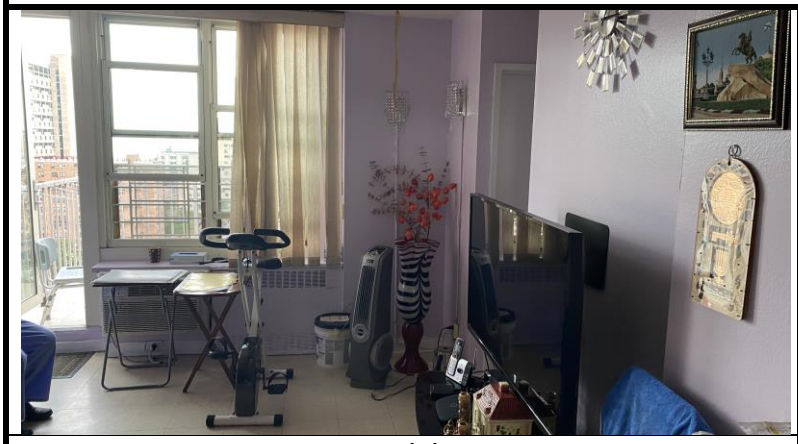
PHASE I ESA - SITE PHOTOGRAPHS

2828 West 28th Street,
Brooklyn, New York

Project No.:	Z34991.3

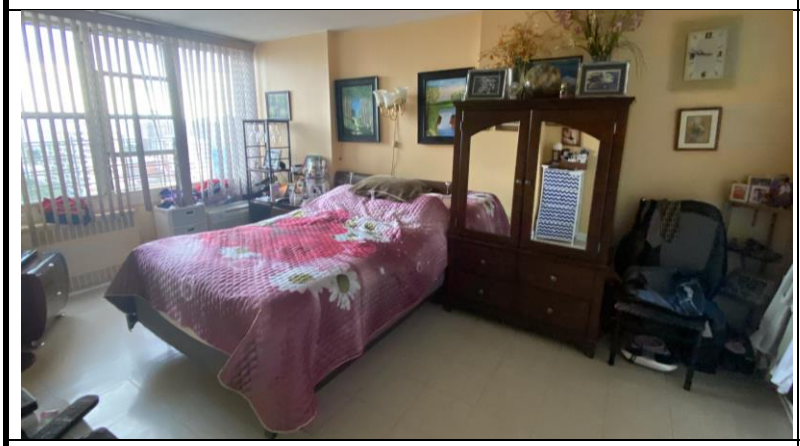
HILLMANN
CONSULTING

SITE PHOTOGRAPHS

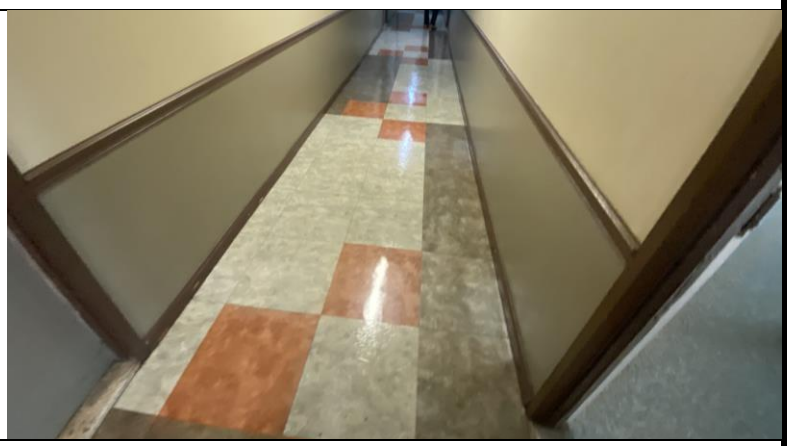


Apartment Living Room

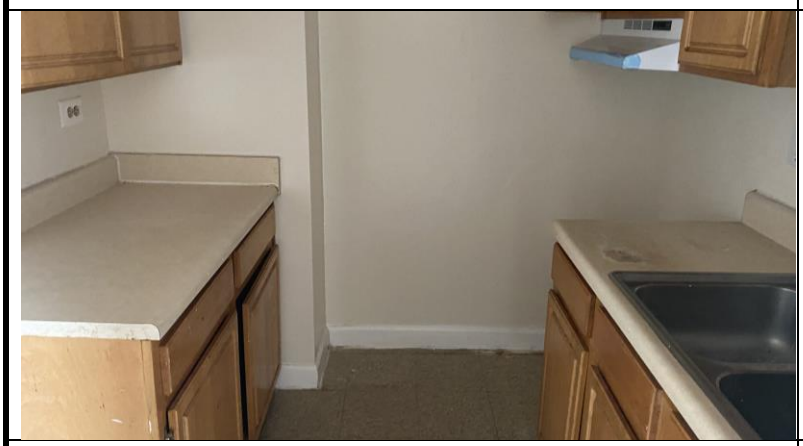
Apartment Bathroom



Apartment Bedroom



Upper floor hallway



Apartment Kitchen

Traction Elevators

PHASE I ESA - SITE PHOTOGRAPHS

2828 West 28th Street,
Brooklyn, New York

Project No.:	Z34991.3

HILLMANN
CONSULTING

APPENDIX C

QUESTIONNAIRES/USER PROVIDED DOCUMENTATION

None Provided

APPENDIX D

HISTORICAL RECORDS DOCUMENTATION

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Brooklyn, NY 11224

Inquiry Number: 7093643.5
August 22, 2022

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 200 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2017	Cole Information Services	-	X	X	-
2014	Cole Information Services	-	X	X	-
2009	Cole Information Services	-	-	-	-
2005	Hill-Donnelly Corporation	-	X	X	-
2004	Cole Information Services	-	-	-	-
2000	Cole Information Services	-	X	X	-
1999	Cole Information Services	-	-	-	-
1997	NYNEX	-	X	X	-
1994	Cole Information Services	-	-	-	-
1992	NYNEX Informantion Resource Co.	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1985	NYNEX Information Resources Company	-	X	X	-
1980	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1973	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
1965	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1960	New York Telephone	-	X	X	-
	New York Telephone Company	-	X	X	-
1949	New York Telephone Company	-	X	X	-
	New York Telephone Company	X	X	X	-
1945	New York Telephone	-	X	X	-
1940	New York Telephone	-	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1928	New York Telephone	-	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
2966 West 28th Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Brooklyn, NY 11224

FINDINGS DETAIL

Target Property research detail.

West 28th Street

2966 West 28th Street

Year	*Uses*	*Source*
1965	Martino Geo	New York Telephone
1949	Desposito Alfred E	New York Telephone Company
1934	DELUCA PATK SHOE REPR	R. L. Polk & Co.
	DESPOSITO ALF CLK R	R. L. Polk & Co.
	DESPOSITO HELEN CLK R	R. L. Polk & Co.
	DESPOSITO LOUISE R	R. L. Polk & Co.
	DESPOSITO MARIE H	R. L. Polk & Co.
	ISACOFF SAML R	R. L. Polk & Co.
	ISACOFF SARAH H	R. L. Polk & Co.
	ROSEN MORRIS SLSMN R	R. L. Polk & Co.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E 30

2930 E 30

Year	Uses	Source
1980	ROBERTS B	New York Telephone
	GONZALEZ HECTOR	New York Telephone

E 30TH ST

2930 E 30TH ST

Year	Uses	Source
1997	QAABIDH Saida	NYNEX
	HOYNER Shari	NYNEX

W 30

2902 W 30

Year	Uses	Source
1960	SHAFIROFF BENJ G P MD	New York Telephone
	Shafiroff Benj G P MD	New York Telephone Company
1940	Shafiroff Benj G P MD	New York Telephone
1928	SHAFROFF H PLUMBG CONTR	New York Telephone

2906 W 30

Year	Uses	Source
1960	BLOCK ANNA	New York Telephone
	Block Anna	New York Telephone Company
1940	Axelrod Louis	New York Telephone
1928	FRIEDMAN LEO PNTR & DEER	New York Telephone

2910 W 30

Year	Uses	Source
1960	Rothkopf Anna S	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	Newberger Anna Mrs	New York Telephone Company
	NEWBERG INDUSTRL CASE CO	New York Telephone Company
	ROTHKOPF ANNA S	New York Telephone
	NEWBERGER ANNA MRS	New York Telephone

2912 W 30

Year	Uses	Source
1960	Vogel Jos	New York Telephone Company
	Dubin Bertha	New York Telephone Company
	VOGEL JOS	New York Telephone
	DUBIN BERTHA	New York Telephone
1928	COOPER R	New York Telephone

2914 W 30

Year	Uses	Source
1960	BRESLOF BLANCHE	New York Telephone
	Breslof Blanche	New York Telephone Company
	Finamore A J	New York Telephone Company
	FINAMORE A J	New York Telephone
1945	Perlow Maurice	New York Telephone
1928	WAGEN JACOB R	New York Telephone

2915 W 30

Year	Uses	Source
1960	Tuber Max	New York Telephone Company
	Lieberman Arthur	New York Telephone Company
	TUBER MAX	New York Telephone
	LIEBERMAN ARTHUR	New York Telephone
1940	Bernstein Pearl Miss	New York Telephone
	Abrams C statnry	New York Telephone

2918 W 30

Year	Uses	Source
1928	MAZOR B MRS BDG HSE	New York Telephone

FINDINGS

2919 W 30

Year	Uses	Source
1945	Zwirn Fay	New York Telephone
1940	Donela Vincent	New York Telephone
1928	ROSENTHAL FANNY MRS R	New York Telephone
	ROYCE RUTH R	New York Telephone
	STEIN WM R	New York Telephone
	WILLIAMS HARRY R	New York Telephone

2922 W 30

Year	Uses	Source
1945	Rothenberg Morris	New York Telephone

2923 W 30

Year	Uses	Source
1960	TOYEN JACOB	New York Telephone
	Toyen Jacob	New York Telephone Company
1945	Toyen Jacob	New York Telephone
1928	FLAUM HERMAN R	New York Telephone

2925 W 30

Year	Uses	Source
1960	Ingber Louis	New York Telephone Company
	INGBER LOUIS	New York Telephone

2928 W 30

Year	Uses	Source
1940	Starr Anna	New York Telephone
1928	BEITLER HARRY DECTR	New York Telephone

2929 W 30

Year	Uses	Source
1985	HALVORSEN ARTHUR G	NYNEX Information Resources Company

2930 W 30

Year	Uses	Source
1992	BROWN CHARLES	NYNEX Informantion Resource Co.

FINDINGS

Year	*Uses*	*Source*
1992	CHESTER JOY	NYNEX Informantion Resource Co.
	CHETHAM TANISHA	NYNEX Informantion Resource Co.
	COOPER A	NYNEX Informantion Resource Co.
	CUMMINGS JOHN	NYNEX Informantion Resource Co.
	DAL CORTIVO D	NYNEX Informantion Resource Co.
	DAVIS C	NYNEX Informantion Resource Co.
	DORCE GINA	NYNEX Informantion Resource Co.
	DUDANI VIJAY KUMAR	NYNEX Informantion Resource Co.
	ELLIOTT K	NYNEX Informantion Resource Co.
	EZE PRINCE	NYNEX Informantion Resource Co.
	FORRESTER B	NYNEX Informantion Resource Co.
	FRANKLIN J	NYNEX Informantion Resource Co.
	GRAVES K	NYNEX Informantion Resource Co.
	GREEN FREDA	NYNEX Informantion Resource Co.
	GREENE FRAMBO KARIA	NYNEX Informantion Resource Co.
	HAIRSTON CLAUDIA	NYNEX Informantion Resource Co.
	HAIRSTON GEORGE	NYNEX Informantion Resource Co.
	HUDSON A	NYNEX Informantion Resource Co.
	HUNTER KATHERINE	NYNEX Informantion Resource Co.
	ISABELLE R	NYNEX Informantion Resource Co.
	J & C EXTERMINATORS	NYNEX Informantion Resource Co.
	JENKINS P	NYNEX Informantion Resource Co.
	JENKINS PARIS JR	NYNEX Informantion Resource Co.
	JOHNSON D	NYNEX Informantion Resource Co.
	KEH JOE	NYNEX Informantion Resource Co.
	KELLAR J	NYNEX Informantion Resource Co.
	KILPATRICK L	NYNEX Informantion Resource Co.
	LAMBOY G	NYNEX Informantion Resource Co.
	LEGETTE V	NYNEX Informantion Resource Co.
	MADISON M	NYNEX Informantion Resource Co.
	MALDONADO T	NYNEX Informantion Resource Co.
	MARTIN ANDREA	NYNEX Informantion Resource Co.

FINDINGS

Year	*Uses*	*Source*
1992	MARTINEZ C	NYNEX Informantion Resource Co.
	MARTINEZ LILIAN	NYNEX Informantion Resource Co.
	MCLENNAN W	NYNEX Informantion Resource Co.
	NURSE ANNA	NYNEX Informantion Resource Co.
	P R C	NYNEX Informantion Resource Co.
	PARKER TORRENCE	NYNEX Informantion Resource Co.
	PIERRE-LOUIS WITLENE	NYNEX Informantion Resource Co.
	PUGH J	NYNEX Informantion Resource Co.
	RAMOS L	NYNEX Informantion Resource Co.
	RAYNOR GEORGE	NYNEX Informantion Resource Co.
	RICE P	NYNEX Informantion Resource Co.
	RIVERS PATRICIA	NYNEX Informantion Resource Co.
	ROBINSON A	NYNEX Informantion Resource Co.
	RODRIGUEZ T	NYNEX Informantion Resource Co.
	SANTIAGO JOHN & LIZETTE	NYNEX Informantion Resource Co.
	SANTIAGO S	NYNEX Informantion Resource Co.
	SEARLES GLEN	NYNEX Informantion Resource Co.
	SEPULVEDA MIRIAM	NYNEX Informantion Resource Co.
	SERGE-GELIN JEAN	NYNEX Informantion Resource Co.
	SMITH C	NYNEX Informantion Resource Co.
	SOTO CARLOS	NYNEX Informantion Resource Co.
	STOVALL OTIS	NYNEX Informantion Resource Co.
	THOMAS HAYLENE	NYNEX Informantion Resource Co.
	THOMAS J	NYNEX Informantion Resource Co.
	TOYIN OJO	NYNEX Informantion Resource Co.
	VASQUEZ R	NYNEX Informantion Resource Co.
	WENTZ REGINALD	NYNEX Informantion Resource Co.
	WHITE BARBARA	NYNEX Informantion Resource Co.
	WIGGINS REBECCA	NYNEX Informantion Resource Co.
	WILLIAMS S	NYNEX Informantion Resource Co.
	WOODSIDE P	NYNEX Informantion Resource Co.
	ADEFEMI DAVID	NYNEX Informantion Resource Co.

FINDINGS

Year	*Uses*	*Source*
1992	ADEFEMI DAVID	NYNEX Informantion Resource Co.
	ALABRE MARIE	NYNEX Informantion Resource Co.
	ALADENIKA ADEBISI	NYNEX Informantion Resource Co.
	ALEXANDER O	NYNEX Informantion Resource Co.
	ALGARIN R	NYNEX Informantion Resource Co.
	ASKEW WILLIE	NYNEX Informantion Resource Co.
	BATTLE J A	NYNEX Informantion Resource Co.
	BOOKMAN D	NYNEX Informantion Resource Co.
1985	ALLEN L	NYNEX Information Resources Company
	ATTERBURY ANTHONY	NYNEX Information Resources Company
	BAKER B N	NYNEX Information Resources Company
	BALDWIN WILLIAM E	NYNEX Information Resources Company
	BALLARD CURTIS	NYNEX Information Resources Company
	BATTLE J A	NYNEX Information Resources Company
	BILLIPS LUCIENNE	NYNEX Information Resources Company
	BOOKMAN D	NYNEX Information Resources Company
	BRAITHWAITE BARRY	NYNEX Information Resources Company
	BROWN B	NYNEX Information Resources Company
	BROWN T	NYNEX Information Resources Company
	CAMARA B	NYNEX Information Resources Company
	CHERRY B	NYNEX Information Resources Company
	CHESTER JOY	NYNEX Information Resources Company
	COLE C	NYNEX Information Resources Company
	COUINGTON P	NYNEX Information Resources Company
	DAVIS C	NYNEX Information Resources Company
	DAWSON LEO	NYNEX Information Resources Company
	DE PEAZA AINSWORTH	NYNEX Information Resources Company
	EDWARDS MILTON	NYNEX Information Resources Company
	ELLIOTT GERTRUDE	NYNEX Information Resources Company
	ELLIOTT TANYA	NYNEX Information Resources Company
	ESPANOL MYRNA	NYNEX Information Resources Company
	FERGUSON A	NYNEX Information Resources Company

FINDINGS

Year	*Uses*	*Source*
1985	GREENE CHUCK	NYNEX Information Resources Company
	HAIRSTON CLAUDIA	NYNEX Information Resources Company
	HARRIS C	NYNEX Information Resources Company
	HERNANDEZ WANDA	NYNEX Information Resources Company
	HOLMES B	NYNEX Information Resources Company
	HUDSON A	NYNEX Information Resources Company
	J & C EXTERMINATORS	NYNEX Information Resources Company
	JENKINS PARIS JR	NYNEX Information Resources Company
	JOHNSON HOWARD	NYNEX Information Resources Company
	KILPATRICK I	NYNEX Information Resources Company
	LAWSON JOHN	NYNEX Information Resources Company
	LEE KATHERINE	NYNEX Information Resources Company
	MAULE J M	NYNEX Information Resources Company
	MEYROWITZ L	NYNEX Information Resources Company
	MINOR THEODORE	NYNEX Information Resources Company
	NELSON JOHNSON	NYNEX Information Resources Company
	NOLAN MARTIN	NYNEX Information Resources Company
	NORRIS V L	NYNEX Information Resources Company
	PALMER VICTORIA	NYNEX Information Resources Company
	PARKER TORRENCE	NYNEX Information Resources Company
	PATTERSON K	NYNEX Information Resources Company
	PENDARVIS V D	NYNEX Information Resources Company
	PRYOR GEO	NYNEX Information Resources Company
	PUGH J	NYNEX Information Resources Company
	RICE P	NYNEX Information Resources Company
	RODGERS KEVIN	NYNEX Information Resources Company
	SALAS GERMAIN F	NYNEX Information Resources Company
	SEARLES GLEN	NYNEX Information Resources Company
	SHAW FREDERICK	NYNEX Information Resources Company
	SLADE DOLORES	NYNEX Information Resources Company
	SPEW MANAGMNT	NYNEX Information Resources Company
	STEWART GEORGE	NYNEX Information Resources Company

FINDINGS

Year	*Uses*	*Source*
1985	STOVALL OTIS	NYNEX Information Resources Company
	THOMAS JAMES	NYNEX Information Resources Company
	THOMAS VINCENT	NYNEX Information Resources Company
	VELAZQUEZ E	NYNEX Information Resources Company
	WALTON LINDA	NYNEX Information Resources Company
	WHITE BARBARA	NYNEX Information Resources Company
	WHITE BOBBY	NYNEX Information Resources Company
	WILLIAMS H	NYNEX Information Resources Company
	WILSON B	NYNEX Information Resources Company
	WRIGHT M	NYNEX Information Resources Company
	YARBROUGH MICHELLE	NYNEX Information Resources Company
1980	BALDWIN WILLIAM E	New York Telephone
	BALLARD CURTIS	New York Telephone
	BECOTE SYLVESTER JR	New York Telephone
	DIAZ D	New York Telephone
	DOZIER CHESTER	New York Telephone
	FERGUSION A	New York Telephone
	FOREMAN WILLIE	New York Telephone
	GARRETT ALFRED	New York Telephone
	GOODE EURANIA K	New York Telephone
	HARGROVE CHERRY	New York Telephone
	HAYES A	New York Telephone
	KIDD CHARLES	New York Telephone
	MORGAN E	New York Telephone
	NOLAN MARTIN	New York Telephone
	PARKER TORRANAE	New York Telephone
	ROBINSON D	New York Telephone
	SHTEIMAN GRIGORY	New York Telephone
	STEPNEY DOROTHY	New York Telephone
	THOMAS V & J	New York Telephone
	THORNTON HERMAN	New York Telephone
	WALKER V	New York Telephone

FINDINGS

Year	*Uses*	*Source*
1980	WILLIAMS H	New York Telephone
	WILLIAMS NATHANIEL	New York Telephone
	WILLIAMS R	New York Telephone
	WONG M	New York Telephone
	WRIGHT C	New York Telephone
	YARBOROUGH MICHELLE	New York Telephone
1976	PETTIGREW ALLEN T	New York Telephone
	PRYOR GEO	New York Telephone
	ROBERTS CANNOTH	New York Telephone
	ROSENBERG SONLA	New York Telephone
	ROSENSTEIN RAY	New York Telephone
	RUBIN GILBERT	New York Telephone
	SALTZ IRVING	New York Telephone
	SCHWARTZ ISIDORE	New York Telephone
	SCHWARTZ REBECCA	New York Telephone
	SEDA SALVADOR	New York Telephone
	SILVERMAN MOLLIE	New York Telephone
	SIMON BERTHA MRS	New York Telephone
	SPIELMAN JACK	New York Telephone
	SPRUNG ELI	New York Telephone
	STEPNEY DOROTHY	New York Telephone
	STEWART B	New York Telephone
	STREET EDWARD	New York Telephone
	TANTILLO PAUL	New York Telephone
	TORRES ALBERT	New York Telephone
	TORRES ISRAEL B	New York Telephone
	VASQUEZ JOSE	New York Telephone
	WAINSTAIN ABA	New York Telephone
	WILLIAMS CHARLES	New York Telephone
	WONG M	New York Telephone
	ZACHARY L	New York Telephone
	AGUAYO RAFAEL	New York Telephone

FINDINGS

Year	*Uses*	*Source*
1976	AGUILA ANTONIO	New York Telephone
	ANDERSON M	New York Telephone
	ARUZ DAVID	New York Telephone
	BALDWIN WILLIAM E	New York Telephone
	BATTLE J A	New York Telephone
	BERLANGA CARLOS MRS	New York Telephone
	BLUMBORG ISABEL	New York Telephone
	BORDEN JEANETTE	New York Telephone
	BROOKS LONNIE	New York Telephone
	CAMERON JAMES	New York Telephone
	CARR WILLIE	New York Telephone
	CHARLES MARY	New York Telephone
	COLON CARMEN	New York Telephone
	DAL CORTIVO D	New York Telephone
	DRILLIS RUDOLF P H D	New York Telephone
	ELLIOTT GERTRUDE	New York Telephone
	ERGANG ANNA MRS	New York Telephone
	FAIR JEREL	New York Telephone
	FERGENSON BRIAN	New York Telephone
	FERGENSON ELAINE	New York Telephone
	FEUERSTEIN LEONA	New York Telephone
	FIGUEROA NARCISO	New York Telephone
	FOLIO RUDOLPH	New York Telephone
	GARRETT H	New York Telephone
	GELBER ALICE E MRS	New York Telephone
	GRIEB BENEDICT	New York Telephone
	GROCHOWSKY FRED	New York Telephone
	HAMPTON MANAGMNT CO MAINTENANCE OFC	New York Telephone
	HARRIS C	New York Telephone
	HARRIS MARVIN	New York Telephone
	HUGGINS WILLIE	New York Telephone
	HYMAN MORRIS	New York Telephone

FINDINGS

Year	Uses	Source
1976	HYMAN T	New York Telephone
	ISAKSEN A	New York Telephone
	JENKINS PARIS JR	New York Telephone
	JOHNSON J	New York Telephone
	KLAJMAN PINCHUS	New York Telephone
	KLEIN E	New York Telephone
	KRAUS LOUIS	New York Telephone
	LEE B	New York Telephone
	LEE KATHERINE	New York Telephone
	LEVY MORRIS	New York Telephone
	LIPSKY ALEX	New York Telephone
	LONESKY D	New York Telephone
	LOPEZ J	New York Telephone
	LUCIANO J	New York Telephone
	LYNCH SUDIE	New York Telephone
	MARTIN SAUL	New York Telephone
	MARTINO PIETRO	New York Telephone
	MCFADDEN B	New York Telephone
	MEDNICK WALTER	New York Telephone
	MERCAL J	New York Telephone
	NEWLANDER SHIRLEY MRS	New York Telephone
	NOSSEN P	New York Telephone
	NUSBAUM G	New York Telephone
	OKENEYE RASAKL	New York Telephone
1960	Gallagher David M	New York Telephone Company
	GALLAGHER DAVID M	New York Telephone

2931 W 30

Year	Uses	Source
1960	Wunderlich Fanny Mrs	New York Telephone Company
	GORDON SAML	New York Telephone
	WUNDERLICH FANNY MRS	New York Telephone
	Gordon Saml	New York Telephone Company

FINDINGS

2933 W 30

Year	Uses	Source
1960	Ray Wm	New York Telephone Company
	RAY WM	New York Telephone
	ROSENBERG DOROTHY MRS	New York Telephone
	Rosenberg Dorothy Mrs	New York Telephone Company

2935 W 30

Year	Uses	Source
1960	Lynn Jos	New York Telephone Company
	Springer Molly	New York Telephone Company
	SPRINGER MOLLY	New York Telephone
	LYNN JOS	New York Telephone

2936 W 30

Year	Uses	Source
1960	HUCKABY B F	New York Telephone
	Huckaby B F	New York Telephone Company

2937 W 30

Year	Uses	Source
1960	NAGEL HARRY	New York Telephone
	Nagel Harry	New York Telephone Company
1945	Blumstein Philip	New York Telephone

2939 W 30

Year	Uses	Source
1960	FARKASH KALMAN	New York Telephone
	SINGER WM	New York Telephone
	Farkash Kalman	New York Telephone Company
	Singer Wm	New York Telephone Company
1928	GROSS D RL EST	New York Telephone

2940 W 30

Year	Uses	Source
1960	Malloy Jas J	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	MALLOY JAS J	New York Telephone

2941 W 30

Year	Uses	Source
1960	Stone Richd	New York Telephone Company
	STONE RICHD	New York Telephone
1928	WALD MINNIE R	New York Telephone

2942 W 30

Year	Uses	Source
1960	Graffeo Mary	New York Telephone Company
	Kaye Sylvia	New York Telephone Company
	Klezmer Sylvia	New York Telephone Company
	Maurer S	New York Telephone Company
	Morgenstern Max	New York Telephone Company
	Neuborn Mac	New York Telephone Company
	Rasnikov Annie	New York Telephone Company
	Rosen A	New York Telephone Company
	Sachwald Bernard	New York Telephone Company
	Spielberg Max	New York Telephone Company
	Zweiback Shirley	New York Telephone Company
	BIEGEL JOE	New York Telephone
	BRAVERMAN IDA	New York Telephone
	COHEN SARAH	New York Telephone
	DIAMOND HARRY	New York Telephone
	GRAFFEO MARY	New York Telephone
	KAYE SYLVIA	New York Telephone
	KLEZMER SYLVIA	New York Telephone
	MAURER S	New York Telephone
	MORGENSTERN MAX	New York Telephone
	NEUBORN MAC	New York Telephone
	RASNIKOV ANNIE	New York Telephone
	ROSEN A	New York Telephone
	SACHWALD BERNARD	New York Telephone

FINDINGS

Year	Uses	Source
1960	SPIELBERG MAX	New York Telephone
	ZWEIBACK SHIRLEY	New York Telephone
	Biegel Joe	New York Telephone Company
	Braverman Ida	New York Telephone Company
	Cohen Sarah	New York Telephone Company
	Diamond Harry	New York Telephone Company
1945	Maurer S	New York Telephone
	Silbert Julius	New York Telephone
	Tames M Mrs	New York Telephone
	Wolf Rose Mrs	New York Telephone
1940	Kaplan Max	New York Telephone
	Katz Morris	New York Telephone
	Wolf Rose Mrs	New York Telephone
1934	PILITZER SAML RESTR H	R. L. Polk & Co.
1928	ESRALEW I R	New York Telephone
	ROSENBERG HYMAN R	New York Telephone

2947 W 30

Year	Uses	Source
1945	Bricker Morris genl store	New York Telephone
1934	WAKS FANNY MRS GRO TH H2953 DO	R. L. Polk & Co.
1928	WIENER J FEY	New York Telephone

2949 W 30

Year	Uses	Source
1960	Roth Nathan	New York Telephone Company
	KORN SAM	New York Telephone
	LATNER LEO	New York Telephone
	LEVENFUS HERMAN	New York Telephone
	ROSENBERG POLLY	New York Telephone
	ROSENKAVE MANDEL	New York Telephone
	ROTH NATHAN	New York Telephone
	Korn Sam	New York Telephone Company
	Latner Leo	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	Levenfus Herman	New York Telephone Company
	Rosenberg Polly	New York Telephone Company
	Rosenkave Mandel	New York Telephone Company
1945	Gross Helen Mrs	New York Telephone
	Gard Frieda	New York Telephone
	Ornstein Morris	New York Telephone
	Singer Jack	New York Telephone
1940	Ornstein Morris	New York Telephone
	Bokser Jos	New York Telephone
1928	DAVIDOW S Z R	New York Telephone

2952 W 30

Year	Uses	Source
1960	DOWD FRANCIS J	New York Telephone
	Dowd Francis J	New York Telephone Company
1945	Albert Florence	New York Telephone

2953 W 30

Year	Uses	Source
1960	BINDER MAX	New York Telephone
	DANTOWITZ ISRAEL	New York Telephone
	NUTIG SOL	New York Telephone
	ROTHSCHILD BURTON	New York Telephone
	Rothschild Burton	New York Telephone Company
	Nutig Sol	New York Telephone Company
	Dantowitz Israel	New York Telephone Company
	Binder Max	New York Telephone Company
	WEISS JOS	New York Telephone
	Weiss Jos	New York Telephone Company
1928	DOLLINGER MAX R	New York Telephone
	SINDERBRAND LOUIS R	New York Telephone

FINDINGS

2954 W 30

Year	Uses	Source
1960	Smith Evelyn	New York Telephone Company
	SMITH EVELYN	New York Telephone
	Wallace Hotel	New York Telephone Company
	WALLACE HOTEL	New York Telephone
1945	Wallace Hotel	New York Telephone
1940	Wallace Hotel	New York Telephone
1928	MANTELL J W BDG HSE	New York Telephone

2957 W 30

Year	Uses	Source
1928	WOLLMAN S FRNSHD RMS	New York Telephone

2968 W 30

Year	Uses	Source
1940	Bosios E A Mrs	New York Telephone

2969 W 30

Year	Uses	Source
1960	GOODMAN HARRY	New York Telephone
	Goodman Harry	New York Telephone Company

2971 W 30

Year	Uses	Source
1960	HEINZ WALTER	New York Telephone
	Heinz Walter	New York Telephone Company

2972 W 30

Year	Uses	Source
1960	ROTHENBERG SOPHIE MRS	New York Telephone
	Rothenberg Sophie Mrs	New York Telephone Company
1940	Rothenberg Morris	New York Telephone
1928	ROTHENBERG MORRIS R	New York Telephone

FINDINGS

2973 W 30

Year	Uses	Source
1976	OJSTACHER N	New York Telephone
1960	Shear Gee	New York Telephone Company
	Zager M	New York Telephone Company
	Schneider Estelle	New York Telephone Company
	Maresca Armondo	New York Telephone Company
	SHEAR GEE	New York Telephone
	SCHNEIDER ESTELLE	New York Telephone
	MARESCA ARMONDO	New York Telephone
	ZAGER M	New York Telephone
1945	Shear Phil B	New York Telephone
1928	KEMP CHAS DR R	New York Telephone

2980 W 30

Year	Uses	Source
1960	WASSERMAN SAM	New York Telephone
	Wasserman Sam	New York Telephone Company

2981 W 30

Year	Uses	Source
1960	WOLFE AL	New York Telephone
	Wengrover Jack	New York Telephone Company
	WENGROVER JACK	New York Telephone
	Wolfe Al	New York Telephone Company
1928	POLIMER M L R	New York Telephone
	PALMER NELSON ATTY	New York Telephone

2982 W 30

Year	Uses	Source
1960	Solomons Sam	New York Telephone Company
	Fox Max	New York Telephone Company
	Fox Bernice R	New York Telephone Company
	SOLOMONS SAM	New York Telephone
	FOX BERNICE R	New York Telephone

FINDINGS

Year	Uses	Source
1960	FOX MAX	New York Telephone
1945	Solomon Sam	New York Telephone
1928	PFEFFER J R	New York Telephone

2983 W 30

Year	Uses	Source
1940	Meisner Rose Mrs	New York Telephone
1928	LERMOUNT M FURN RMS	New York Telephone

W 30 265

2930 W 30 265

Year	Uses	Source
1997	DAL CORTIVO D	NYNEX

W 30 946

2930 W 30 946

Year	Uses	Source
1997	HAIRSTON Claudia	NYNEX

2939 W 30 946

Year	Uses	Source
1997	ALEXANDER Adriane	NYNEX

W 30TH

2902 W 30TH

Year	Uses	Source
1934	SHAFFROFF BENJ PHYS H DO	R. L. Polk & Co.

2904 W 30TH

Year	Uses	Source
1934	SHAFFROFF CHAS STUDENT R	R. L. Polk & Co.
	SHAFFROFF HYMAN PLMBR H DO	R. L. Polk & Co.
	SHAFFROFF REBECCA STEN R	R. L. Polk & Co.
	SHAFFROFF JACOB PLMBR R	R. L. Polk & Co.

FINDINGS

2906 W 30TH

Year	Uses	Source
1934	STEINER RUTH MRS R	R. L. Polk & Co.
	FRIEDMAN LEOPOLD PNTR H DO	R. L. Polk & Co.
	FRIEDMAN SAML PNTR R	R. L. Polk & Co.

2910 W 30TH

Year	Uses	Source
1934	GROSSMAN AARON H	R. L. Polk & Co.
	GILDES MORRIS PLSHR H	R. L. Polk & Co.

2912 W 30TH

Year	Uses	Source
1934	NATIONAL SARAH BKPR R	R. L. Polk & Co.
	NATIONAL OSCAR SLSMN H	R. L. Polk & Co.
	MILLER NATHAN PNTR R	R. L. Polk & Co.

2914 W 30TH

Year	Uses	Source
1934	KIRCHENBAUM FRANK SHOE WKR R	R. L. Polk & Co.
	PERLOW MORRIS GARMENT WKR H	R. L. Polk & Co.
	SIEGEL JOS PNTR H	R. L. Polk & Co.
	SIEGEL ROSE STEN R	R. L. Polk & Co.

2915 W 30TH

Year	Uses	Source
1934	ZABROWSKY MORRIS CONFR	R. L. Polk & Co.

2916 W 30TH

Year	Uses	Source
1934	ZABROWSKY ABR TAILOR H	R. L. Polk & Co.
	WAGMAN HYMAN TAILOR H	R. L. Polk & Co.
	ROSENBERG HARRY SLSMN H	R. L. Polk & Co.
	SLOTKOFF IRVING SLSMN R	R. L. Polk & Co.

FINDINGS

2917 W 30TH

Year	Uses	Source
1934	MLYNARSKY YETTA MRS GRO H DO	R. L. Polk & Co.
	MLYNARSKY SIMON CLK R	R. L. Polk & Co.

2918 W 30TH

Year	Uses	Source
1934	SOLOW CLUB INC	R. L. Polk & Co.
	GOLDBERG ABR MLNR H	R. L. Polk & Co.
	MILLER CHAS SLSMN H	R. L. Polk & Co.

2919 W 30TH

Year	Uses	Source
1934	WILLIAMS HARRY L ACCT H	R. L. Polk & Co.
	WILLIAMS DOROTHY M STEN R	R. L. Polk & Co.

2924 W 30TH

Year	Uses	Source
1934	TISHMAN WM TAILOR H	R. L. Polk & Co.

2928 W 30TH

Year	Uses	Source
1934	AURIETTE BYRNE R	R. L. Polk & Co.
	BOULICH MARIA H	R. L. Polk & Co.
	ELEV OPR H	R. L. Polk & Co.
	GELFANT HARRY TAILOR H	R. L. Polk & Co.
	SEIVER SAML FURRIER R	R. L. Polk & Co.

2931 W 30TH

Year	Uses	Source
1934	WAXGISER EVA H	R. L. Polk & Co.
	BALICK SADIE R	R. L. Polk & Co.
	WAXGISER ABR M STATIONERY R	R. L. Polk & Co.
	ROSENTHAL ANNA H	R. L. Polk & Co.

FINDINGS

2933 W 30TH

Year	Uses	Source
1934	LANDSMAN SAML L TAILOR H	R. L. Polk & Co.
	LANDSMAN RUTH STEN R	R. L. Polk & Co.
	ROSENBERG HYMAN NEWS DLD H	R. L. Polk & Co.
	SEIGER FLORENCE SLSWN R	R. L. Polk & Co.
	SEIGER JENNY SLSWN R	R. L. Polk & Co.

2934 W 30TH

Year	Uses	Source
1934	NESSON SYLVIA BKPR R	R. L. Polk & Co.

2935 W 30TH

Year	Uses	Source
1934	SILVERSTEIN SIDNEY CLK R	R. L. Polk & Co.
	SILVERSTEIN JOS J TAILOR H	R. L. Polk & Co.
	BERNSTEIN MAX ELEV OPR H	R. L. Polk & Co.
	AUERBACH NATHAN RESTR R	R. L. Polk & Co.
	BERNSTEIN SAML CLK R	R. L. Polk & Co.

2938 W 30TH

Year	Uses	Source
1934	BERNSTEIN BEATRICE BKPR R	R. L. Polk & Co.

2939 W 30TH

Year	Uses	Source
1934	COOPER SAML TINSMITH R	R. L. Polk & Co.
	GROSS DAVID REAL EST H DO	R. L. Polk & Co.
	BADER MAX FCTYWKR R	R. L. Polk & Co.
	GROSS PAULINE STEN R	R. L. Polk & Co.
	WEINSTEIN MORRIS FCTYWKR R	R. L. Polk & Co.
	COHEN JACOB FCTYWKR R	R. L. Polk & Co.
	BADER HYMAN FCTYWKR R	R. L. Polk & Co.
	GROSS JACOB FILM OPR R	R. L. Polk & Co.

FINDINGS

2941 W 30TH

Year	Uses	Source
1934	WALD JACOB BARBER	R. L. Polk & Co.
	GOODMAN ABR GARMENT WKR H	R. L. Polk & Co.
	SIEGEL MORRIS M PDLR H	R. L. Polk & Co.
	SIEGEL ABR P CLK R	R. L. Polk & Co.

2942 W 30TH

Year	Uses	Source
1934	YAVER SAML AUTO MECH R	R. L. Polk & Co.
	YAVER JULIUS PRINTER R	R. L. Polk & Co.
	YAVER ISADORE TAILOR H	R. L. Polk & Co.
	YAVER BENJ MGR MURRAY LAMBERG R	R. L. Polk & Co.
	WOLF ROSE H	R. L. Polk & Co.
	WOLF LOUIS PHARM R	R. L. Polk & Co.
	WOLF IRVING CLK R	R. L. Polk & Co.
	WOLF IRA GARMENT WKR R	R. L. Polk & Co.
	WILLIG JACOB RET FISH	R. L. Polk & Co.
	TRUMBLER WM GARMENT OPR H	R. L. Polk & Co.
	TRUMBLER JOS PRINTER R	R. L. Polk & Co.
	TRUMBLER JACOB PRINTER R	R. L. Polk & Co.
	TROMBLER JACOB H	R. L. Polk & Co.
	ROSEN SYLVIA STEN R	R. L. Polk & Co.
	ROSEN HAROLD MUSICIAN R	R. L. Polk & Co.
	ROSEN DAVID LNDRYMN H	R. L. Polk & Co.
	ROSEN DAVID CHAUF R	R. L. Polk & Co.
	ROSEN BLANCHE CLK R	R. L. Polk & Co.
	NYMAN HARRY TINSMITH H	R. L. Polk & Co.
	BRAMBLER MAX SLSMN H	R. L. Polk & Co.
	EHRENMAN ISRAEL GARMENT WKR H	R. L. Polk & Co.

2945 W 30TH

Year	Uses	Source
1934	GREENBERG SOL AGT R	R. L. Polk & Co.

FINDINGS

2947 W 30TH

Year	Uses	Source
1934	WAKS MEYER CLK R	R. L. Polk & Co.
	WAKS DIANA STEN R	R. L. Polk & Co.
	FRANKEL SAML BOX CTR H	R. L. Polk & Co.
	WAKS WOLF CLK H	R. L. Polk & Co.

2949 W 30TH

Year	Uses	Source
1934	SILVERSTEIN FLORENCE STEN R	R. L. Polk & Co.
	COOPERSTEIN HERMAN TAILOR H	R. L. Polk & Co.
	COOPERSTEIN NATHAN SLSMN R	R. L. Polk & Co.
	KELL JACOB H	R. L. Polk & Co.
	KAUFER ARTH PLSHR H	R. L. Polk & Co.
	GLASSMAN LOUIS CHAUF R	R. L. Polk & Co.
	DAVIDOFF SAML L SLSMN H	R. L. Polk & Co.
	DAVIDOFF HARRY R	R. L. Polk & Co.
	DACHER LOUIS GARMENT WKR H	R. L. Polk & Co.
	BOKSER ANNA STEN R	R. L. Polk & Co.
	BAKSER MAX STUDENT R	R. L. Polk & Co.
	ALMON MILDRED STEN R	R. L. Polk & Co.
	ALMEN MAX H	R. L. Polk & Co.
	BOKSER JOS CLK PO H	R. L. Polk & Co.

2951 W 30TH

Year	Uses	Source
1934	LASKY JOS PLMBR R	R. L. Polk & Co.

2952 W 30TH

Year	Uses	Source
1934	AMBROSE ANTHONY SHOEWKR H	R. L. Polk & Co.
	PERTOSA BRUNO SHIRT IRONER H	R. L. Polk & Co.
	SPECTOR FAY FURRIE R	R. L. Polk & Co.
	SPECTOR SAML SLSMN H	R. L. Polk & Co.
	AMBRO ANTONINO CLK H	R. L. Polk & Co.

FINDINGS

2953 W 30TH

Year	Uses	Source
1934	VANTOWITZ ISADORE GARMENT WKR H	R. L. Polk & Co.
	KRONISH SAML R	R. L. Polk & Co.
	KRONISH ESTHER R	R. L. Polk & Co.
	KARPEN ESTELLE GARMENT WKR R	R. L. Polk & Co.
	HELLENBERG AARON TINSMITH H	R. L. Polk & Co.
	BRUST NATHAN SLSMN H	R. L. Polk & Co.
	BERLIN ABR MEATS	R. L. Polk & Co.
	ROSEN SAML SHOE REPR	R. L. Polk & Co.
	ROSEN SAML R	R. L. Polk & Co.
	RABINOWITZ SAML PIPEWKR H	R. L. Polk & Co.
	MARCUS HELEN STEN R	R. L. Polk & Co.
	MARCUS LEON SLSMN H	R. L. Polk & Co.
	MARCUS SIDNEY SLSMN R	R. L. Polk & Co.

2954 W 30TH

Year	Uses	Source
1934	CASH R	R. L. Polk & Co.
	R	R. L. Polk & Co.
	SLSWN R	R. L. Polk & Co.
	CLK R	R. L. Polk & Co.
	LIPSCHITZ IDA MRS R	R. L. Polk & Co.
	MOCERINO DOMINICK TLLE STR R	R. L. Polk & Co.
	MOORE ANNA MRS H	R. L. Polk & Co.
	MOORE PAULINE STEN R	R. L. Polk & Co.
	MOORE SAML FURN RMS	R. L. Polk & Co.
	NEIDES CELLA MRS R	R. L. Polk & Co.
	NEMETH BESSIE R	R. L. Polk & Co.
	NEMETH GABRIEL GARMENT WKR R	R. L. Polk & Co.
	NESSEN SAML CHAUF H	R. L. Polk & Co.
	NESSON JACOB SLSMN R	R. L. Polk & Co.
	NESSON SAML CHAUF R	R. L. Polk & Co.
	PLANT SYDNEY EXPMN R	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	ROSMARIN ANNA MRS R	R. L. Polk & Co.
	SACKS MORRIS R	R. L. Polk & Co.
	SAPERSTEIN FANNY R	R. L. Polk & Co.
	SHAUBORN ANNA R	R. L. Polk & Co.
	SOMMA JOS ACTOR R	R. L. Polk & Co.
	HENRY R	R. L. Polk & Co.
	VOSTOLA ANTHONY CIGARMKR R	R. L. Polk & Co.
	YUDESS LOUIS CHAUF R	R. L. Polk & Co.
	ZELINK SAML R	R. L. Polk & Co.
	KAPLAN SADLE FCTY WKR R	R. L. Polk & Co.
	KALIS BENJ BRKLYR R	R. L. Polk & Co.
	GUTTMAN MARTIN ELECTN R	R. L. Polk & Co.
	GROSSMAN ABEL R	R. L. Polk & Co.
	GOODMAN BESSIE R	R. L. Polk & Co.
	FUCHS WM GENL CONTR R	R. L. Polk & Co.
	FREEDMAN ISAAC GARMENT WKR R	R. L. Polk & Co.
	FLOMENBAUM HARRY R	R. L. Polk & Co.
	FICHLEBERG SARAH R	R. L. Polk & Co.
	FARBER FANNY MRS R	R. L. Polk & Co.
	FALICKMAN DAVID PLMBR R	R. L. Polk & Co.
	BROWN KATH MRS R	R. L. Polk & Co.
	EISENBERG FRANK GARMENT WKR R	R. L. Polk & Co.

2958 W 30TH

Year	Uses	Source
1934	SCHNEIDER WM STUDENT R	R. L. Polk & Co.
	SCHNEIDER BAKER H	R. L. Polk & Co.
	HAMMER PAULIN MRS H	R. L. Polk & Co.
	SCHNEIDER HENRY ELECTN R	R. L. Polk & Co.

2968 W 30TH

Year	Uses	Source
1934	BOSIOS EMILLE A H	R. L. Polk & Co.

FINDINGS

2972 W 30TH

Year	Uses	Source
1934	SCHACKER SAML SLSMN R	R. L. Polk & Co.
	SCHACKER HELEN STEN R	R. L. Polk & Co.
	SCHACKER DAVID SLSMN R	R. L. Polk & Co.
	ROTHMAN ESTHER R	R. L. Polk & Co.
	ROTHENBERG MORRIS EXPMN H	R. L. Polk & Co.
	ROTHENBERG GERTRUDE DESIGNER R	R. L. Polk & Co.
	CASPER MARK CHAUF R	R. L. Polk & Co.

2973 W 30TH

Year	Uses	Source
1934	SHEAR MAX CLK R	R. L. Polk & Co.
	GEO CLK R	R. L. Polk & Co.
	ETTA SLSWN R	R. L. Polk & Co.
	BENJ FURN RMSE H	R. L. Polk & Co.

2980 W 30TH

Year	Uses	Source
1934	WASSERMAN DAVID SLSMN R	R. L. Polk & Co.
	WASSERMAN SAML PNTR H	R. L. Polk & Co.
	WASSERMAN MON CLK R	R. L. Polk & Co.

2981 W 30TH

Year	Uses	Source
1934	POLIMER MEYER SLSMN R	R. L. Polk & Co.
	POLIMER CHAS GRO H	R. L. Polk & Co.

2982 W 30TH

Year	Uses	Source
1934	SOLOMONS SAML ELECTROLYTIC TREATMENT H DO	R. L. Polk & Co.
	PFEFFER MAX CHAUF R	R. L. Polk & Co.
	PFEFFER JACOB BAKER H	R. L. Polk & Co.
	PFEFFER IRVING CHAUF R	R. L. Polk & Co.
	PFEFFER FRANK ACTOR R	R. L. Polk & Co.

FINDINGS

2983 W 30TH

Year	Uses	Source
1934	MEISNER HARRY SHIP CLK H	R. L. Polk & Co.
	MRS R	R. L. Polk & Co.
	EISENBERG RACHAEL FCTY WKR R	R. L. Polk & Co.
	EISENBERG ABR SLSMN R	R. L. Polk & Co.
	MEISNER ROSE MRS FURN MUS H DO	R. L. Polk & Co.
	POSNER SAML SHIP CLK R	R. L. Polk & Co.
	WEISNER HARRY CLO PRSR H	R. L. Polk & Co.
	EISENBERG REBECCA R	R. L. Polk & Co.

2989 W 30TH

Year	Uses	Source
1934	SMITH ISADORE H	R. L. Polk & Co.

W 30TH CONEY ISLAND

2960 W 30TH CONEY ISLAND

Year	Uses	Source
1934	BOHM EVA OPR R	R. L. Polk & Co.

W 30TH St

2902 W 30TH St

Year	Uses	Source
1970	Rodriguez Modesta	New York Telephone
	Fox Sadie	New York Telephone

W 30TH ST

2902 W 30TH ST

Year	Uses	Source
1949	Shaffiroff Benj G P MD	New York Telephone Company

FINDINGS

W 30TH St

2904 W 30TH St

Year	*Uses*	*Source*
1965	Nadler Ida Mrs	New York Telephone

2906 W 30TH St

Year	*Uses*	*Source*
1965	Block Anna	New York Telephone

W 30TH ST

2906 W 30TH ST

Year	*Uses*	*Source*
1949	Rosenfeld Sylvia Mrs	New York Telephone Company

W 30TH St

2910 W 30TH St

Year	*Uses*	*Source*
1965	Newberger Anna Mrs	New York Telephone

W 30TH ST

2910 W 30TH ST

Year	*Uses*	*Source*
1949	Jacobson Harry L	New York Telephone Company
	Fallick Norman	New York Telephone Company

W 30TH St

2914 W 30TH St

Year	*Uses*	*Source*
1970	Cajigas J	New York Telephone

FINDINGS

W 30TH ST

2914 W 30TH ST

Year	Uses	Source
1949	Frankel Belle	New York Telephone Company
	Perlow Maurice	New York Telephone Company

W 30TH St

2915 W 30TH St

Year	Uses	Source
1970	Tuber Max	New York Telephone
	Rodriguez Steven	New York Telephone
1965	Goldburg Jas T	New York Telephone
	Rodriguez Steven	New York Telephone
	Tuber Max	New York Telephone

W 30TH ST

2915 W 30TH ST

Year	Uses	Source
1949	Hirsch Janet RN	New York Telephone Company

2918 W 30TH ST

Year	Uses	Source
1949	Auerbach Fred	New York Telephone Company

2919 W 30TH ST

Year	Uses	Source
1949	Polcovar Nathan W	New York Telephone Company

2925 W 30TH ST

Year	Uses	Source
1949	Morse Benj	New York Telephone Company

2929 W 30TH ST

Year	Uses	Source
2005	Public School	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Rupiza C	Hill-Donnelly Corporation
	Brooklyn Center	Hill-Donnelly Corporation
2000	YOUTH EMPOWERNENT	Cole Information Services
	NY JR TEN LEA INC	Cole Information Services
	NY CITY EDUCATION	Cole Information Services
	NY CITY EDUCATION	Cole Information Services
1997	Surfside Beacon Program	NYNEX
	New York Junior Tennis League Inc	NYNEX
	Heartshare Human Services Of NY	NYNEX

2930 W 30TH ST

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Corporation
	Number6 C 1 Akoshile Rasald	Hill-Donnelly Corporation
	Number10 C 2 Alawode Shakirat	Hill-Donnelly Corporation
	Number1 F 2 Alexander Adriane	Hill-Donnelly Corporation
	Alexander Otela B	Hill-Donnelly Corporation
	Alexeeva Svetlana O	Hill-Donnelly Corporation
	Amilnova Nelya	Hill-Donnelly Corporation
	Andreyev Andrey	Hill-Donnelly Corporation
	Number10 E 2 Askew Willie	Hill-Donnelly Corporation
	Number8 A 1 Braginslaya Lyubov	Hill-Donnelly Corporation
	Number8 E 3 Bonax Ronald v	Hill-Donnelly Corporation
	Number2 B 2 Brown Jacqueline	Hill-Donnelly Corporation
	Calender Veda	Hill-Donnelly Corporation
	Number16 E 5 Castro Melissa	Hill-Donnelly Corporation
	Castro Melissa	Hill-Donnelly Corporation
	Number6 C 2 Chester Joy	Hill-Donnelly Corporation
	Cosme L	Hill-Donnelly Corporation
	Cox Justin	Hill-Donnelly Corporation
	Cullum Willam	Hill-Donnelly Corporation
	Dal Cortivo	Hill-Donnelly Corporation
	Number1 H Dal Cortivo Ricky AV	Hill-Donnelly Corporation

FINDINGS

Year	*Uses*	*Source*
2005	Number10 C 3 Daniels P	Hill-Donnelly Corporation
	Number12 E 5 Davis Naiyma	Hill-Donnelly Corporation
	Number484 Depena R 4v	Hill-Donnelly Corporation
	Number12 B 1 Diaz Hector	Hill-Donnelly Corporation
	Dickson Dallas Dinkins Vanessa v	Hill-Donnelly Corporation
	Number885 Dudani VUay	Hill-Donnelly Corporation
	Number12 C 1 Eliosof Nelli	Hill-Donnelly Corporation
	Everette Alexander	Hill-Donnelly Corporation
	Number12 E 1 Flshman Betida	Hill-Donnelly Corporation
	Number4D 2 Fnorrester B	Hill-Donnelly Corporation
	Froimson Mila	Hill-Donnelly Corporation
	Gabriel Josephine	Hill-Donnelly Corporation
	Galper Sofya	Hill-Donnelly Corporation
	Gashimova Valentina	Hill-Donnelly Corporation
	Number4 C 3 Gonzalez Herman	Hill-Donnelly Corporation
	Number10 B 1 Goodman William	Hill-Donnelly Corporation
	Goubareva Uoudmila	Hill-Donnelly Corporation
	Number12 E 3 Grant Valentina 0 00oo	Hill-Donnelly Corporation
	Number6 A 3 Green Joseph	Hill-Donnelly Corporation
	Grenadier Realty Corp I F	Hill-Donnelly Corporation
	Gridina Udlya	Hill-Donnelly Corporation
	Guzband Polina	Hill-Donnelly Corporation
	Number4 F 5 Hall Minnie Rv	Hill-Donnelly Corporation
	Number14 E 3 Hunter Carl v	Hill-Donnelly Corporation
	Itskovitch Gennadi	Hill-Donnelly Corporation
	Ivnitskiy Boris os	Hill-Donnelly Corporation
	J&C Exterminators s	Hill-Donnelly Corporation
	Number10 C 4 Jackson Andrew	Hill-Donnelly Corporation
	Jackson Edw ard	Hill-Donnelly Corporation
	Number4 E 2 Jenkins Paris Jr	Hill-Donnelly Corporation
	Johnson H	Hill-Donnelly Corporation
	Number483 Johnson Quasheirra A	Hill-Donnelly Corporation

FINDINGS

Year	*Uses*	*Source*
2005	Number8 F 3 Johnson Shiavon	Hill-Donnelly Corporation
	Kats Akulina	Hill-Donnelly Corporation
	Number485 Keh Joe	Hill-Donnelly Corporation
	Number8 A 3 Klpatick C A	Hill-Donnelly Corporation
	King Ansley	Hill-Donnelly Corporation
	Number10 C 3 King Erika v	Hill-Donnelly Corporation
	Klimovitskiy Yuriy	Hill-Donnelly Corporation
	Kordit Sofias	Hill-Donnelly Corporation
	Number4D 5 Kudrevich Leonid	Hill-Donnelly Corporation
	Leroi Tavi	Hill-Donnelly Corporation
	Number8D 1 Lew is K vv	Hill-Donnelly Corporation
	Number8 C 2 Logan Eartha	Hill-Donnelly Corporation
	Luzcanrdo V	Hill-Donnelly Corporation
	Malitek Juliusz	Hill-Donnelly Corporation
	Mantillas Florence	Hill-Donnelly Corporation
	Number01D 4 Martinez C A	Hill-Donnelly Corporation
	Mcdonald Natalia	Hill-Donnelly Corporation
	Number10 A 2 Mdclennan Lynelle	Hill-Donnelly Corporation
	Menter Shirley	Hill-Donnelly Corporation
	Number6 F 4 Murphy Yvette	Hill-Donnelly Corporation
	Number12 F 5 Navedo Carmen	Hill-Donnelly Corporation
	Novo Udliya	Hill-Donnelly Corporation
	Number8 C 5 Patrikeyeva Lyubov	Hill-Donnelly Corporation
	Number12 F 3 Platt Chandra Yvette	Hill-Donnelly Corporation
	Number1 E 1 Qaabldh Saida	Hill-Donnelly Corporation
	Number16 F 4 Ramos Samantha v	Hill-Donnelly Corporation
	Reese Caroline	Hill-Donnelly Corporation
	Reynolds Uily	Hill-Donnelly Corporation
	Number8 A 5 Rodriguez Tonia	Hill-Donnelly Corporation
	Roslavker Svetlana	Hill-Donnelly Corporation
	Ruderman Adel	Hill-Donnelly Corporation
	Sanatolina Ralssa	Hill-Donnelly Corporation

FINDINGS

Year	*Uses*	*Source*
2005	Number883 Santiago S	Hill-Donnelly Corporation
	Savin Sophia	Hill-Donnelly Corporation
	Number14 F 1 Scurry Celia	Hill-Donnelly Corporation
	Sea Park Security Co Phipps	Hill-Donnelly Corporation
	Number 12D 2 Serrano Lashaw nda	Hill-Donnelly Corporation
	Shiafer Anchel	Hill-Donnelly Corporation
	Shumonova Lyubov	Hill-Donnelly Corporation
	Number882 Slavlnskiy Grigoriy	Hill-Donnelly Corporation
	Slobodov Yelizaveta	Hill-Donnelly Corporation
	Number8 A 4 Soto Canos	Hill-Donnelly Corporation
	Number8 E 3 Soyemi Mary	Hill-Donnelly Corporation
	Number181 Springs Daw n	Hill-Donnelly Corporation
	Tokareva Tamara	Hill-Donnelly Corporation
	Troshin Aleksandr	Hill-Donnelly Corporation
	Ulltskaya Udlya	Hill-Donnelly Corporation
	Vaskovera A	Hill-Donnelly Corporation
	Number1 A 1 Vega Maximo	Hill-Donnelly Corporation
	Voyynkina Galina	Hill-Donnelly Corporation
	Washington Sharon	Hill-Donnelly Corporation
	Whitehead Yvette	Hill-Donnelly Corporation
	Whybesn	Hill-Donnelly Corporation
	Number6 A 3 H Williamson NT v	Hill-Donnelly Corporation
	Wilson Dennis	Hill-Donnelly Corporation
	Number6 C 3 Worthy aemmie	Hill-Donnelly Corporation
	Yakunln Victor	Hill-Donnelly Corporation
	Yardtrain Steve	Hill-Donnelly Corporation
	Number8D 4 Zaslavskaya Ydelizaveta s	Hill-Donnelly Corporation
	Zeledon Carmen	Hill-Donnelly Corporation
2000	JANET ACOSTA	Cole Information Services
	8D1 BRUCE ADAMS	Cole Information Services
	1F2 ADRIANE ALEXANDER	Cole Information Services
	LISA M ALEXANDER	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2000	OTELIA B ALEXANDER	Cole Information Services
	EVON AMAYO	Cole Information Services
	LASHARLA ANDERSON	Cole Information Services
	EFRAIN ARROYO	Cole Information Services
	10D2 WILLIE ASKEW	Cole Information Services
	ALADE ATOSHSHENOWO	Cole Information Services
	CARLTAN BLAIZE	Cole Information Services
	DIUREA BOWEN	Cole Information Services
	LAMIEKA BNSCOE	Cole Information Services
	JACQUELINE BROWN	Cole Information Services
	VIDA CALLENDER	Cole Information Services
	SHARON CAPEL	Cole Information Services
	L CHEMYEVSLAY	Cole Information Services
	10 JOY CHESTER	Cole Information Services
	12B5 A COOPER	Cole Information Services
	ELLEN COOPER	Cole Information Services
	CORTIVO D DAL	Cole Information Services
	RICKY DAL	Cole Information Services
	OPELLIA DAWSON	Cole Information Services
	HECTOR DIAZ	Cole Information Services
	DALLAS DICKSON	Cole Information Services
	GREGORY EDWARDS	Cole Information Services
	8F4 WINSOME ELLIS	Cole Information Services
	4D2 B FORRESTER	Cole Information Services
	10D1 J FRANKLIN	Cole Information Services
	SOFYA GALPER	Cole Information Services
	ANITA GORMEZ	Cole Information Services
	ROBIN GRADDICK	Cole Information Services
	J GRAHAM	Cole Information Services
	JOSEPH GREEN	Cole Information Services
	LIDIYA GRIDINA	Cole Information Services
	SCOTT HOLT	Cole Information Services

FINDINGS

Year	Uses	Source
2000	A HUDSON	Cole Information Services
	DEREK IRVING	Cole Information Services
	EDWARD JACKSON	Cole Information Services
	LENA JACKSON	Cole Information Services
	4E2 P JENKINS	Cole Information Services
	4E2 PARIS JENKSONS JR	Cole Information Services
	B JOHNSON	Cole Information Services
	SHAVON JOHNSON	Cole Information Services
	CECELIA KEH	Cole Information Services
	JOE KEH	Cole Information Services
	C KEMP	Cole Information Services
	RICHARD KENNEDY	Cole Information Services
	LANCE KILPATRICK	Cole Information Services
	10C3 ERIKA KING	Cole Information Services
	LEONID KUDREVICH	Cole Information Services
	WAHEED LAWAL	Cole Information Services
	MAY LOCKLEAR	Cole Information Services
	EARTHA LOGAN	Cole Information Services
	T MALDONADO	Cole Information Services
	C MARTINEZ	Cole Information Services
	M MASSENBURG	Cole Information Services
	10A2 LYNELLE MC LENNAN	Cole Information Services
	E MC NEIL	Cole Information Services
	E MEDINA	Cole Information Services
	12F5 CARMEN NAVEDO	Cole Information Services
	CASSANDRA NOMS	Cole Information Services
	COLIN NURSE	Cole Information Services
	ALFRED ONAGHISE	Cole Information Services
	YETUNDE OSENI	Cole Information Services
	ANTHONY PARKER	Cole Information Services
	TORRENCE PARKER	Cole Information Services
	ADUNNI PAUL	Cole Information Services

FINDINGS

Year	Uses	Source
2000	SAIDA QAABIDH	Cole Information Services
	ZAINAB QAABIDH	Cole Information Services
	RASAQ A RASAQ	Cole Information Services
	RASAQ A RASAQ	Cole Information Services
	GEORGE RAYNOR	Cole Information Services
	KIM REED	Cole Information Services
	12D CAROLINE REESE	Cole Information Services
	12F2 P RICE	Cole Information Services
	SHOLA ROEBUCK	Cole Information Services
	2A2 WANDA ROSARIC	Cole Information Services
	14F4 MANA SANTANA	Cole Information Services
	3 S SANTIAGO	Cole Information Services
	CELIA SCURRY	Cole Information Services
	GLEN SEADES	Cole Information Services
	DUDANI SHANT	Cole Information Services
	ANCHEL SHLAFER	Cole Information Services
	MIKHAIL SHTERIN	Cole Information Services
	A SMITH	Cole Information Services
	DELVIN SMITH	Cole Information Services
	8A4 CARLOS SOTO	Cole Information Services
	DAWN SPRINGS	Cole Information Services
	JR J STANLEY	Cole Information Services
	10B3 MAXIMO VEGA	Cole Information Services
	6ES BARBARA WHITE	Cole Information Services
	SHAQUANA WILLIAMS	Cole Information Services
	BETTY WILSON	Cole Information Services
	CARMEN M ZELEDON	Cole Information Services
	J & C EXTERMINATORS	Cole Information Services
	P R C	Cole Information Services
1997	J & C Exterminators	NYNEX
	P R C	NYNEX
	ALABRE Marie	NYNEX

FINDINGS

Year	*Uses*	*Source*
1997	ASKEW Willie	NYNEX
	ATOSHSHENOWO Alade	NYNEX
	BOWEN Diurca	NYNEX
	CAPEL Sharon	NYNEX
	CHESTER Joy	NYNEX
	COOPER A	NYNEX
	COOPER Ellen	NYNEX
	DAVIS C	NYNEX
	DELEON Tina	NYNEX
	DICKSON Dallas	NYNEX
	ELLIS Winsome	NYNEX
	FERGERSON Lynisha	NYNEX
	FORRESTER B	NYNEX
	FRANKLIN J	NYNEX
	FRAZIER Maurice	NYNEX
	GRADDICK Francis	NYNEX
	GRAHAM J	NYNEX
	GREEN Phebean	NYNEX
	GREENE Jacqueline	NYNEX
	GREGORY Karon	NYNEX
	GUITY Evaristo	NYNEX
	HARPER D	NYNEX
	HUDSON A	NYNEX
	HUNTER Katherine	NYNEX
	JENKINS P	NYNEX
	JENKINS Paris Jr	NYNEX
	JOHNSON D	NYNEX
	JOHNSON Shaven	NYNEX
	KEH Joe	NYNEX
	KEH Martha	NYNEX
	KILPATRICK I	NYNEX
	KING Erika	NYNEX

FINDINGS

Year	Uses	Source
1997	LEWIS Ernestine	NYNEX
	LOGAN Lee	NYNEX
	MALDONADO T	NYNEX
	MARQUEZ Margarita	NYNEX
	MCLENNAN Lynelle	NYNEX
	MENDEZ Rose	NYNEX
	NAVEDO Carmen	NYNEX
	NESTOR Natacha	NYNEX
	OGUNNEYE Lookman	NYNEX
	PARKER Torrence	NYNEX
	PEREZ Maria S	NYNEX
	QAABIDH Layia	NYNEX
	RAYNOR George	NYNEX
	REESE Caroline	NYNEX
	RICE P	NYNEX
	RIVERA E	NYNEX
	ROEBUCK Shola	NYNEX
	SANTIAGO S	NYNEX
	SARAYEVA Toyln	NYNEX
	SEARLES Glen	NYNEX
	SHANTI Dudani	NYNEX
	SMITH C	NYNEX
	SMITH Olivia	NYNEX
	STOVALL Otin	NYNEX
	VALENTIN Elizabeth	NYNEX
	VEGA Maximo	NYNEX
	WHITE Barbara	NYNEX
	WOODSIDE P	NYNEX
	WORTHY Clemmie	NYNEX

FINDINGS

W 30TH St

2930 W 30TH St

Year	Uses	Source
1970	Megias Y	New York Telephone

2931 W 30TH St

Year	Uses	Source
1970	Jones Robert	New York Telephone
1965	Gordon Saml	New York Telephone
	Wunderlich Fanny Mrs	New York Telephone

W 30TH ST

2931 W 30TH ST

Year	Uses	Source
1949	Schwartz Louis	New York Telephone Company

2933 W 30TH ST

Year	Uses	Source
1949	Rosenberg Dorothy Mrs	New York Telephone Company
	Kassen Edw H	New York Telephone Company

W 30TH St

2934 W 30TH St

Year	Uses	Source
1965	Rosenberg P	New York Telephone

2935 W 30TH St

Year	Uses	Source
1965	Brainard Geo	New York Telephone

W 30TH ST

2935 W 30TH ST

Year	Uses	Source
1949	Springer Molly	New York Telephone Company

FINDINGS

2937 W 30TH ST

Year	Uses	Source
1949	Nagel Jos	New York Telephone Company
	Nagel Harry	New York Telephone Company
	Blumstein Philip	New York Telephone Company

2939 W 30TH ST

Year	Uses	Source
1949	Brezenoff Arthur H	New York Telephone Company
	Simon Nat	New York Telephone Company

2941 W 30TH ST

Year	Uses	Source
1949	Ross Jos	New York Telephone Company

W 30TH St

2942 W 30TH St

Year	Uses	Source
1970	Montgomery R	New York Telephone
	Alford Tolee	New York Telephone
	Jenkins Betty Mrs	New York Telephone
	Lites Janell	New York Telephone
	Ackerman B	New York Telephone
	Shaeiw itz Louis	New York Telephone
1965	Rasnikov Annie	New York Telephone
	Shaeiw itz Louis	New York Telephone
	Smith L J	New York Telephone

W 30TH ST

2942 W 30TH ST

Year	Uses	Source
1949	Rothman Meyer	New York Telephone Company
	Cohor Goldie	New York Telephone Company
	Dunayer Wm	New York Telephone Company
	Grayson Geo	New York Telephone Company

Year	Uses	Source
1949	Hinden Nathan	New York Telephone Company
	Koss Jack L	New York Telephone Company
	Mandel Ida	New York Telephone Company
	Morgenstern Goldie Mrs	New York Telephone Company
	Rasnikov Annie	New York Telephone Company
	Stricoff Rose	New York Telephone Company

2947 W 30TH ST

Year	Uses	Source
1949	Bricker Morris genl store	New York Telephone Company

W 30TH St

2949 W 30TH St

Year	Uses	Source
1970	Garris Eddie	New York Telephone
1965	Swiney Willie J	New York Telephone
	Dozier Ruth	New York Telephone
	Bell Lila	New York Telephone

W 30TH ST

2949 W 30TH ST

Year	Uses	Source
1949	Berkley Nettie Mrs	New York Telephone Company
	Slugh Jos Mrs	New York Telephone Company
	Singer Jack	New York Telephone Company
	Rosenthal Aaron	New York Telephone Company
	Ornstein Morris	New York Telephone Company
	Frumkin Reva F	New York Telephone Company
	Bokser Jos	New York Telephone Company

FINDINGS

W 30TH St

2952 W 30TH St

Year	Uses	Source
1970	Ambro Tony	New York Telephone
1965	Ambro Tony	New York Telephone

W 30TH ST

2952 W 30TH ST

Year	Uses	Source
1949	Albert Florence	New York Telephone Company
	Siegelbaum Robt L	New York Telephone Company
	Gray Eliz	New York Telephone Company

W 30TH St

2953 W 30TH St

Year	Uses	Source
1970	Davis Lottie	New York Telephone
	Marino Vincent	New York Telephone
	White Mattie	New York Telephone
1965	Blair Ernest	New York Telephone
	Cardalda Andres	New York Telephone

W 30TH ST

2953 W 30TH ST

Year	Uses	Source
1949	Salzman Louis	New York Telephone Company
	Ross Ruth	New York Telephone Company
	Refkin Sam	New York Telephone Company
	Nutig Sol	New York Telephone Company
	Dantowitz Israel	New York Telephone Company
	Firman Ralph W	New York Telephone Company

FINDINGS

2954 W 30TH ST

Year	Uses	Source
1973	Gross M	New York Telephone

W 30TH St

2954 W 30TH St

Year	Uses	Source
1970	Gross M	New York Telephone
	NEW YORK ADDICTION SVCES AGENCY Coney Island	New York Telephone
1965	Lymond Kenneth	New York Telephone
	Wallace Hotel	New York Telephone

2958 W 30TH St

Year	Uses	Source
1970	High Hawk Matrcellus Chief	New York Telephone

W 30TH ST

2961 W 30TH ST

Year	Uses	Source
2017	2930 OWNER LLC	Cole Information Services
	HECTOR VARELA	Cole Information Services
	ELVIRA IMANOA	Cole Information Services
	TATIANA KACHINSKAYA	Cole Information Services
	LYUDMILA YUSUPOV	Cole Information Services
	RICARDO GUZMAN	Cole Information Services
	HELEN HE	Cole Information Services
	AFIYA MAYERS	Cole Information Services
	SOLLUZ MIELENDEZ	Cole Information Services
	IRINA ROZENFELD	Cole Information Services
	R RYALS	Cole Information Services
	JAMES SIMPSON	Cole Information Services
	VALENTINA TERENTYEVA	Cole Information Services
	GENNADIY FEST	Cole Information Services

FINDINGS

Year	Uses	Source
2017	TETYANA GOLDIN	Cole Information Services
	PAVEL KHOMYAK	Cole Information Services
	IRINA ALPATOVA	Cole Information Services
	CLAUDIA CARBUCCIA	Cole Information Services
	ELVIRA IGNATOVICH	Cole Information Services
	DAVID LEWIS	Cole Information Services
	GAVRIL MARDUKHAYEV	Cole Information Services
	DERRICK SANDERS	Cole Information Services
	YELENA STROGANOVA	Cole Information Services
	DMITRY HODORKOVSKY	Cole Information Services
	ANITRIUS BLEAU	Cole Information Services
	TONIA DMEZA	Cole Information Services
	VIVIAN SLAUGHTER	Cole Information Services
	JENNIFER DUBLIN	Cole Information Services
	EDWIN MATTEI	Cole Information Services
	LENISE PRINCE	Cole Information Services
	SAMUEL CARABALLO	Cole Information Services
2014	JASMINE SANTIAGO	Cole Information Services
	2930 OWNER LLC	Cole Information Services
	LENISE PRINCE	Cole Information Services
	VIVIAN SLAUGHTER	Cole Information Services
	TONIA DMEZA	Cole Information Services
	DMITRY HODORKOVSKY	Cole Information Services
	ROBERT CARABALLO	Cole Information Services
	ANITRIUS BLEAU	Cole Information Services
	YELENA STROGANOVA	Cole Information Services
	DAVID LEWIS	Cole Information Services
	ELVIRA IGNATOVICH	Cole Information Services
	S MAYERS	Cole Information Services
	JAMES HAZELWOOD	Cole Information Services
	TETYANA GOLDIN	Cole Information Services
	GENNADIY FEST	Cole Information Services

FINDINGS

Year	Uses	Source
2014	CHRISTIAN DAVIS	Cole Information Services
	MOHAMMAD UDDIN	Cole Information Services
	IRINA ALPATOVA	Cole Information Services
	VALENTINA TERENTYEVA	Cole Information Services
	R RYALS	Cole Information Services
	IRINA ROZENFELD	Cole Information Services
	SOLLUZ MELENDEZ	Cole Information Services
	TATIANA KACHINSKAYA	Cole Information Services
	FLORENCE CHANCE	Cole Information Services
	HECTOR VARELA	Cole Information Services

W 30TH St

2969 W 30TH St

Year	Uses	Source
1965	Goodman Harry	New York Telephone

W 30TH ST

2971 W 30TH ST

Year	Uses	Source
1949	Bros Joe	New York Telephone Company

2972 W 30TH ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Corporation

W 30TH St

2972 W 30TH St

Year	Uses	Source
1970	Rothenberg Sophie Mrs	New York Telephone
1965	Rothenberg Sophie Mrs	New York Telephone

FINDINGS

W 30TH ST

2972 W 30TH ST

Year	Uses	Source
1949	Bernard Jos	New York Telephone Company
	Rothenberg Morris	New York Telephone Company
	Rothie Saml	New York Telephone Company

2973 W 30TH ST

Year	Uses	Source
1973	Shear Geo	New York Telephone
	Maresca Armondo	New York Telephone

W 30TH St

2973 W 30TH St

Year	Uses	Source
1970	Roth Chaskel	New York Telephone
	Simon Kay	New York Telephone
	Shear Geo	New York Telephone
	Weinstein Mamie	New York Telephone
	Oistacher N	New York Telephone
	Mlaresca Armondo	New York Telephone
1965	Weinstein Mamie	New York Telephone
	Simon Kay	New York Telephone
	Shear Geo	New York Telephone
	Rosenthal Ida Mrs	New York Telephone
	Maresca Armondo	New York Telephone
	Lazarus Anna Mrs	New York Telephone

W 30TH ST

2973 W 30TH ST

Year	Uses	Source
1949	Friedman Hilda Mrs	New York Telephone Company
	Shear Geo	New York Telephone Company

FINDINGS

W 30TH St

2980 W 30TH St

Year	Uses	Source
1965	Wasserman Sam	New York Telephone

W 30TH ST

2981 W 30TH ST

Year	Uses	Source
1973	Ferrantino J	New York Telephone

W 30TH St

2981 W 30TH St

Year	Uses	Source
1970	Wengrover Jack	New York Telephone
	Wolfe H	New York Telephone
	Ferrantino J	New York Telephone
	Levy S	New York Telephone
1965	Harvey Marion	New York Telephone
	Wengrover Jack	New York Telephone
	Wolfe Al	New York Telephone

2982 W 30TH St

Year	Uses	Source
1970	Solomons Sam	New York Telephone
1965	Fox Max	New York Telephone
	Solomons Sam	New York Telephone

W 30TH ST

2982 W 30TH ST

Year	Uses	Source
1949	Solomons Sam	New York Telephone Company

FINDINGS

2983 W 30TH ST

Year	*Uses*	*Source*
1997	SOTO Carlos	NYNEX

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
2902 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1934
2902 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2902 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2902 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2904 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2904 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2906 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1934
2906 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2906 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2906 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2910 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2910 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2910 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2910 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2912 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2912 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2914 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934
2914 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2914 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2914 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2915 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1934, 1928
2915 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2915 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2915 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2916 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2917 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2918 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
2918 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2918 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2919 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1934
2919 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2919 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2922 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1940, 1934, 1928
2923 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934
2924 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2925 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2925 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2928 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934
2928 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2929 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2929 W 30TH ST	2017, 2014, 2009, 2004, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2930 E 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 E 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2930 W 30 265	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 W 30 946	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 W 30TH ST	2017, 2014, 2009, 2004, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2931 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2931 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2931 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2931 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2933 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2933 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2933 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2934 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2934 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2935 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2935 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2935 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2935 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2936 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2937 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2937 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2938 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2939 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2939 W 30 946	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2939 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2939 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2940 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2941 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2941 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2941 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2942 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949
2942 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2942 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2942 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2945 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2947 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1940
2947 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2947 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2949 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1934
2949 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2949 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2949 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2951 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2952 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934, 1928
2952 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2952 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2952 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2953 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2953 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2953 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2953 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2954 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1934
2954 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2954 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2954 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2957 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
2958 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2958 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2960 W 30TH CONEY ISLAND	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2961 W 30TH ST	2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2968 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934, 1928
2968 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2969 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2969 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2971 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2971 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2972 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1934
2972 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2972 W 30TH ST	2017, 2014, 2009, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2972 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2973 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1973, 1970, 1965, 1949, 1940, 1934
2973 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2973 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2973 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2980 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2980 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2980 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2981 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2981 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2981 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2981 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2982 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934
2982 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2982 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2982 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2983 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934

FINDINGS

Address Researched	Address Not Identified in Research Source
2983 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2983 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2989 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1945, 1940, 1928

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

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Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1983	1950
2006	1994	1982	1930
2005	1993	1981	1906
2004	1992	1980	1905
2003	1991	1979	1895
2002	1989	1977	
2001	1987	1968	
1996	1986	1966	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

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- ☑ Library of Congress
- ☑ University Publications of America
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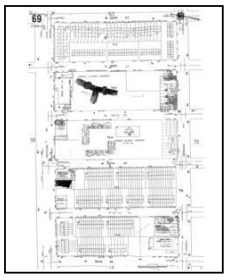
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets



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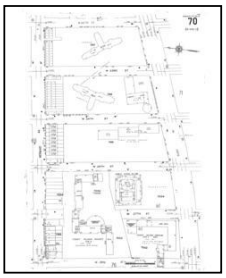

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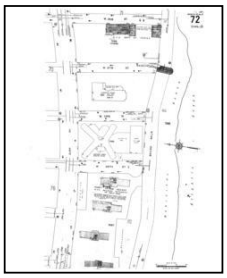
2007



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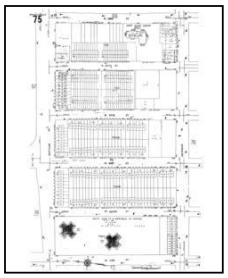
2007



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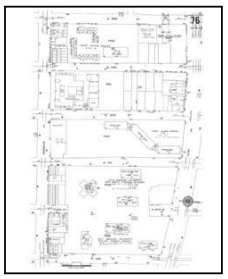
2007



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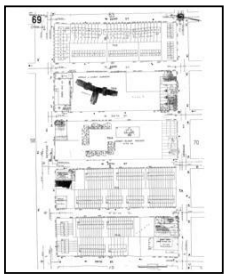
2007

2006 Source Sheets



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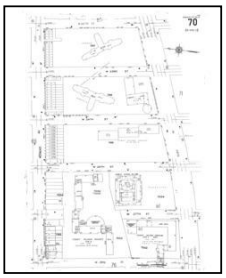
2006



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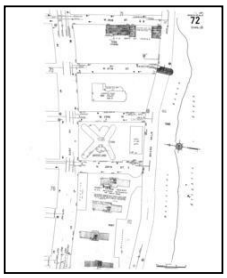
2006



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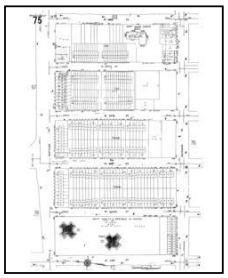
2006



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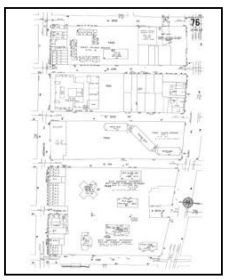
2006



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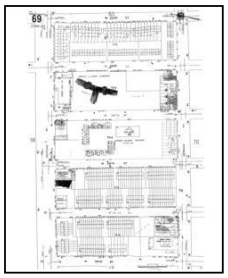
2006

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2005 Source Sheets



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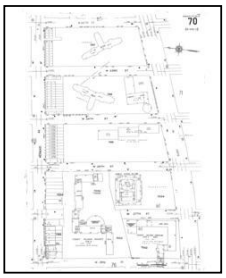
2005



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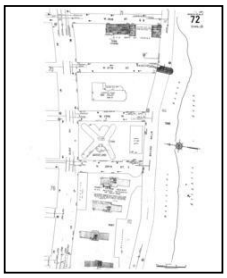
2005



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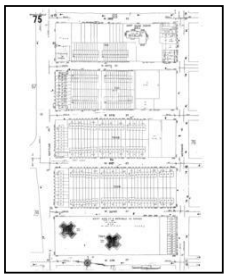

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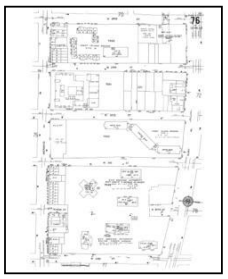
2005



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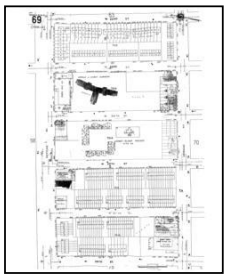
2005

2004 Source Sheets



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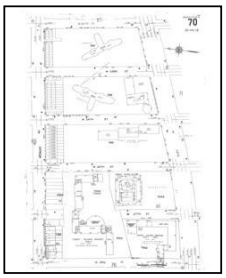
2004



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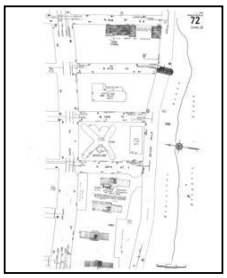
2004



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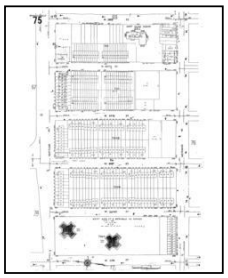

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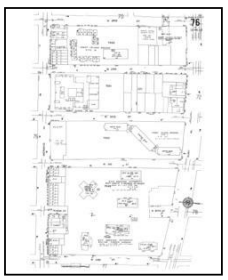
2004



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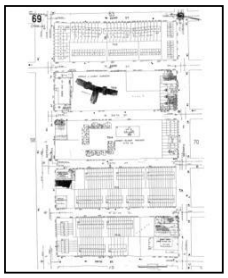
2004

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2003 Source Sheets



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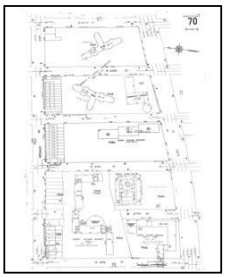
2003



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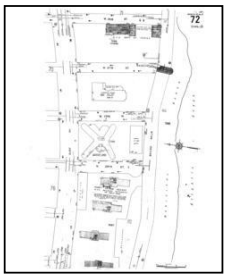
2003



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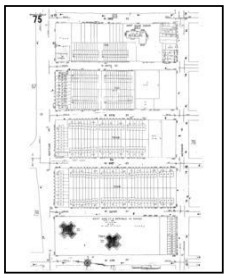

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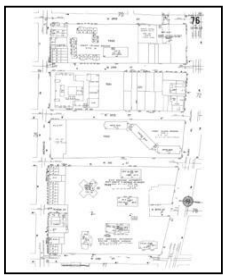

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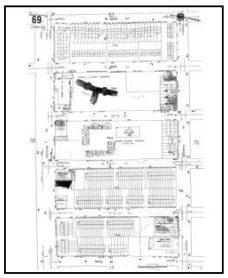
2003

2002 Source Sheets



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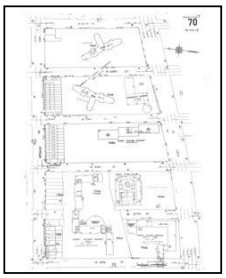
2002



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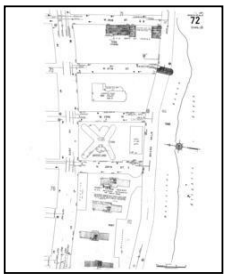
2002



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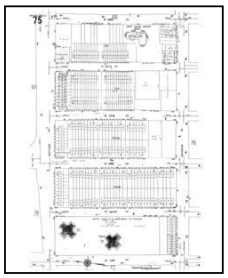

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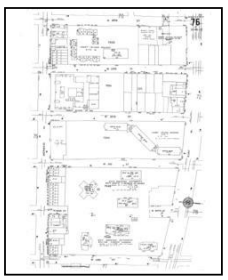

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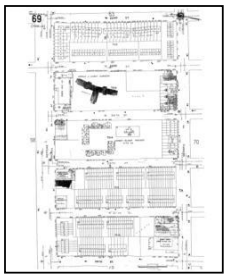
2002

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2001 Source Sheets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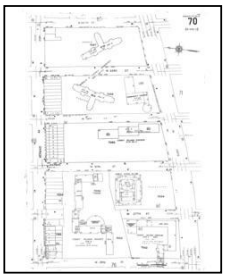
2001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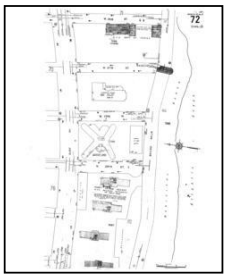
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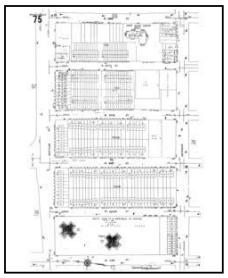
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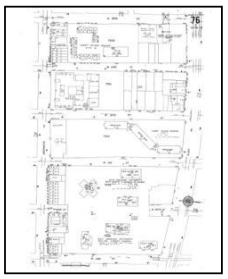
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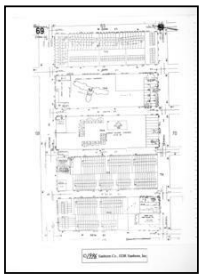
2001

1996 Source Sheets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1996

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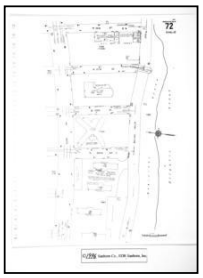
1996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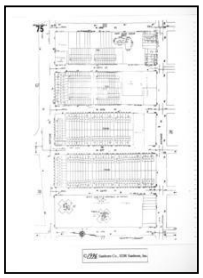
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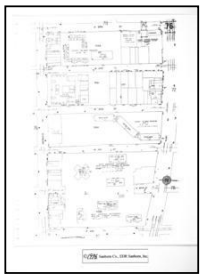
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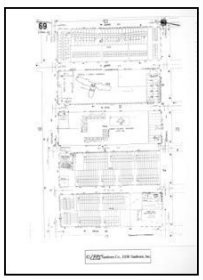
1995 Source Sheets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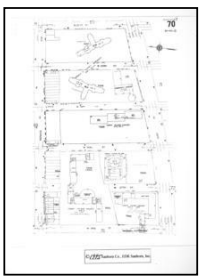
1995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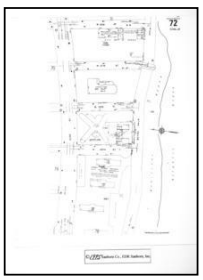
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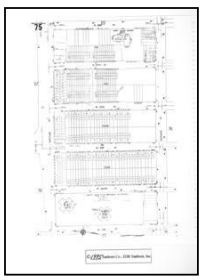
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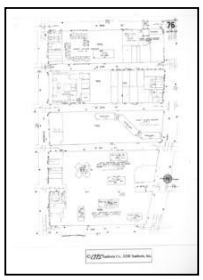
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1995

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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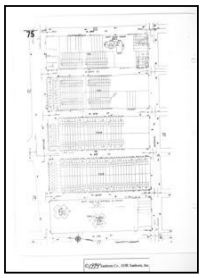
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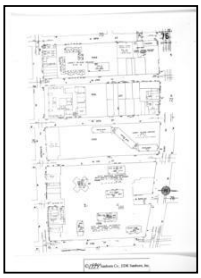
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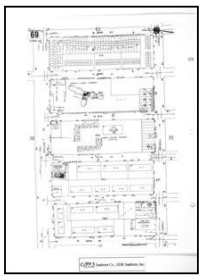
1994

1993 Source Sheets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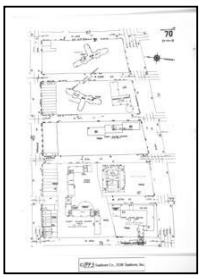
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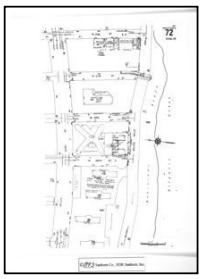
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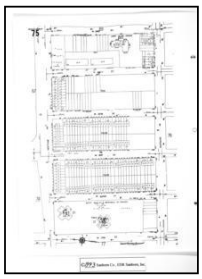
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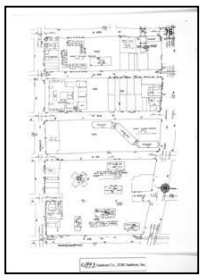
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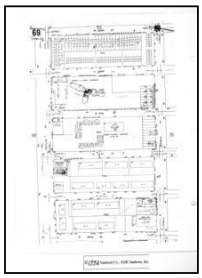
1992 Source Sheets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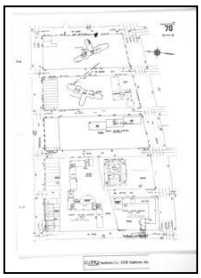
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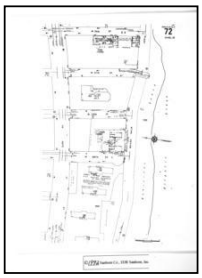
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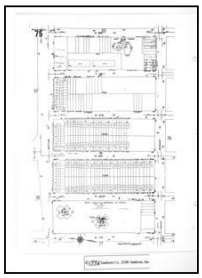
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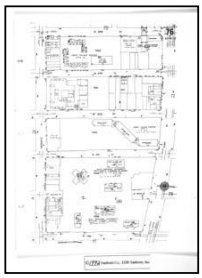
1992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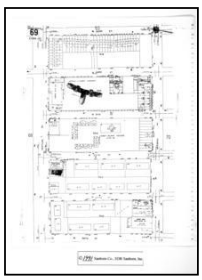
1992

1991 Source Sheets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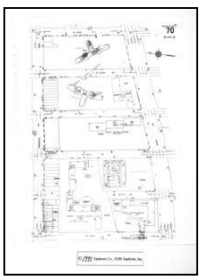
1991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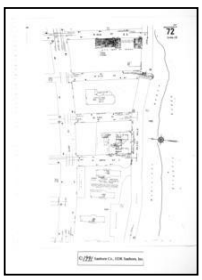
1991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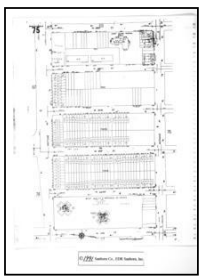
1991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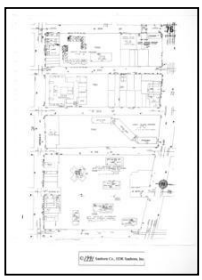
1991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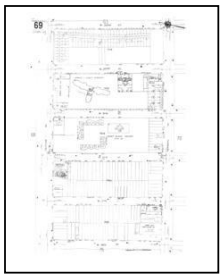
1991

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1989 Source Sheets



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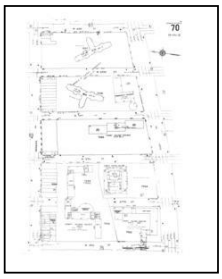
1989



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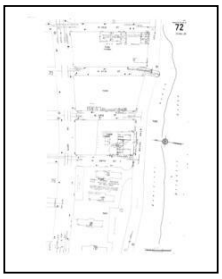

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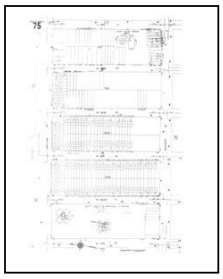

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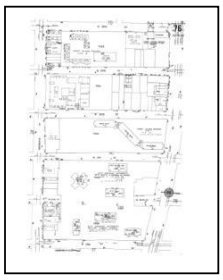
1989



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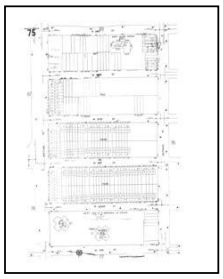
1989

1987 Source Sheets



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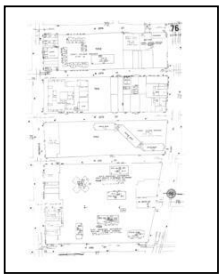
1987



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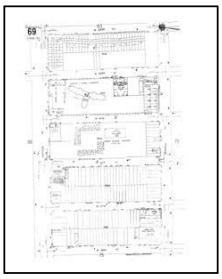
1987



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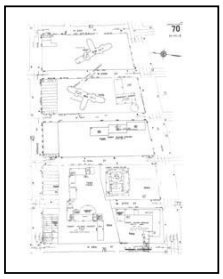
1987



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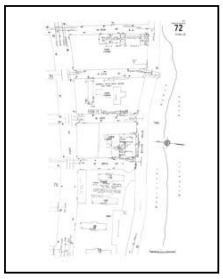
1987



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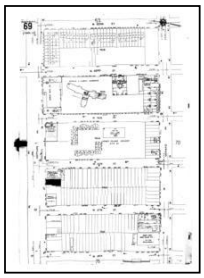
1987

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1986 Source Sheets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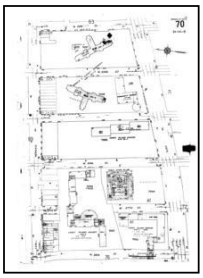
1986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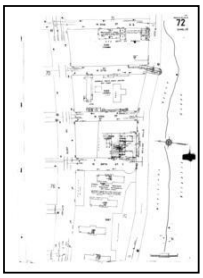
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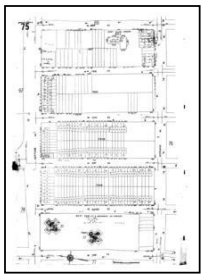
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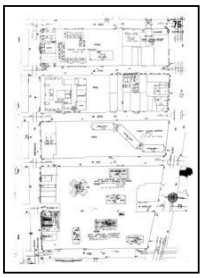
1986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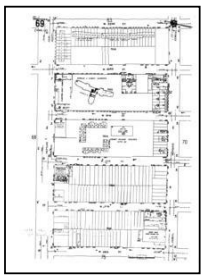
1986

1983 Source Sheets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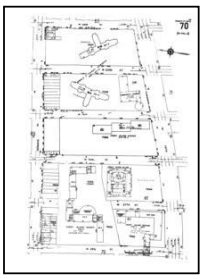
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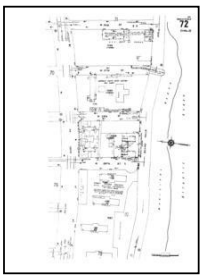
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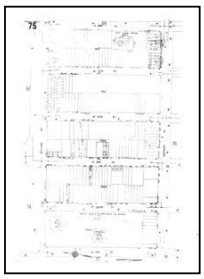
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1983

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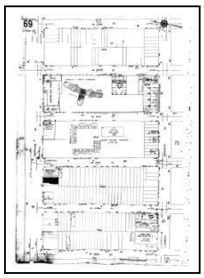
1983

1982 Source Sheets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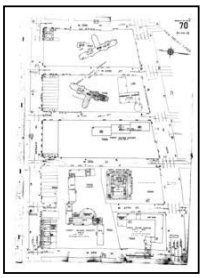
1982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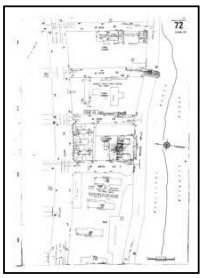
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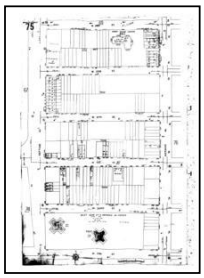
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1982

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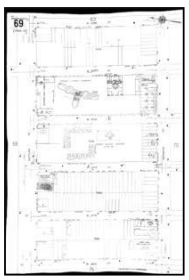
1982

1981 Source Sheets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1981

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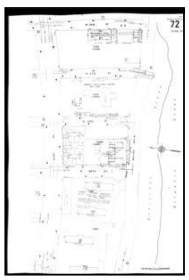
1981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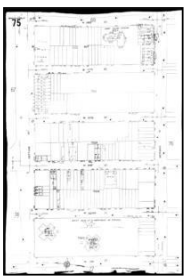
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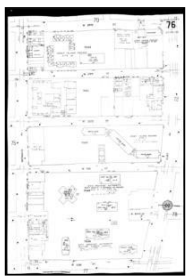
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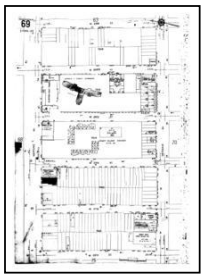
1981

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1980 Source Sheets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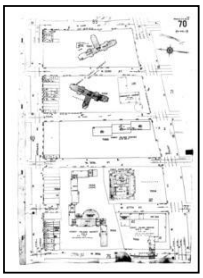
1980


Volume 18, Sheet 70
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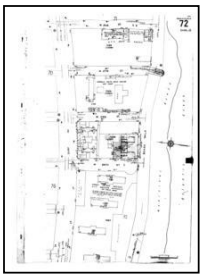
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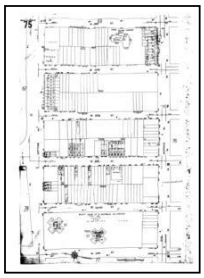
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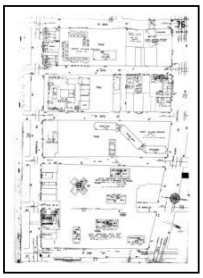
Volume 18, Sheet 76
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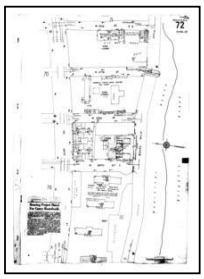
1979 Source Sheets


Volume 18, Sheet 72
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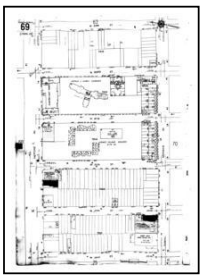
Volume 18, Sheet 69
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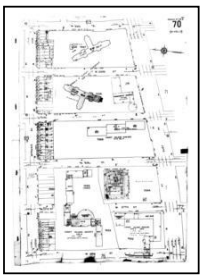
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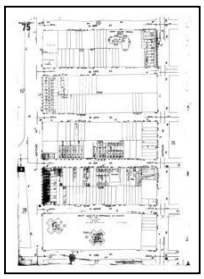
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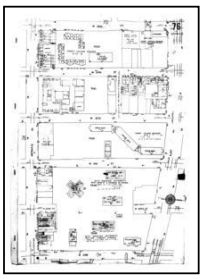
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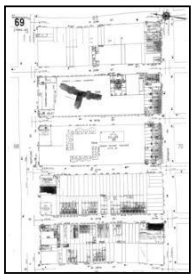
1979

1977 Source Sheets


Volume 18, Sheet 69
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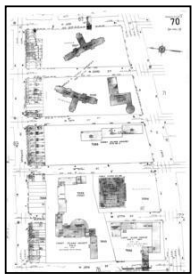
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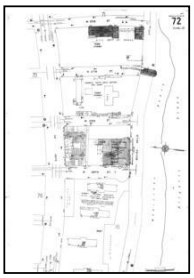
Volume 18, Sheet 72
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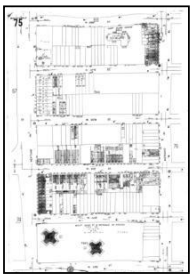
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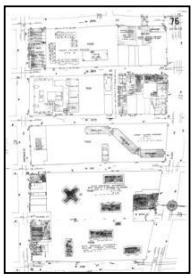
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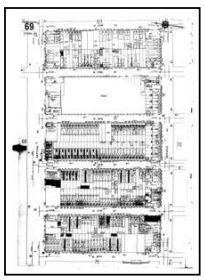
1977

1968 Source Sheets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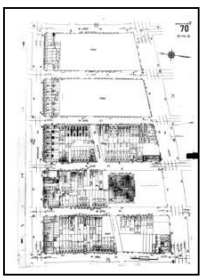
1968


Volume 18, Sheet 70
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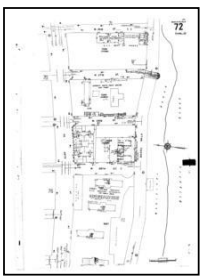
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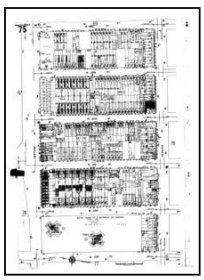
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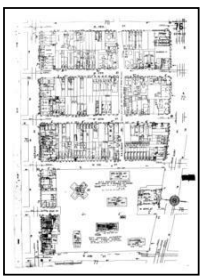
1968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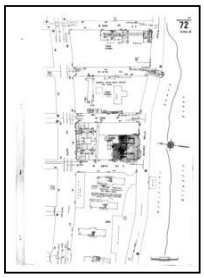
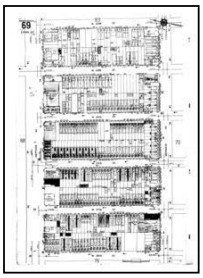
1968

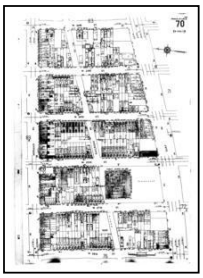
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1966 Source Sheets


Volume 18, Sheet 72
1966


Volume 18, Sheet 69
1966


Volume 18, Sheet 70
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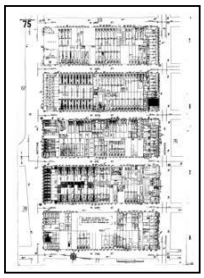
Volume 18, Sheet 75
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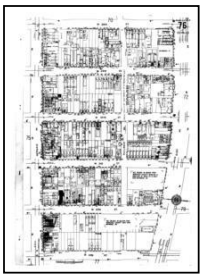
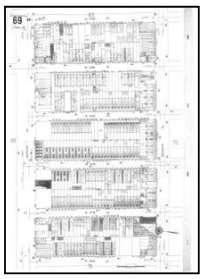

Volume 18, Sheet 76
1966

1950 Source Sheets


Volume 18, Sheet 69
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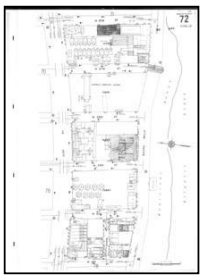
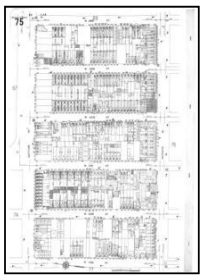
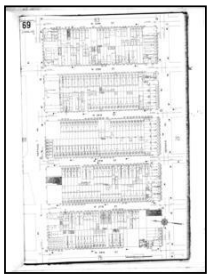
Volume 18, Sheet 70
1950


Volume 18, Sheet 72
1950


Volume 18, Sheet 75
1950

Volume 18, Sheet 76
1950

1930 Source Sheets


Volume 18, Sheet 69
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Volume 18, Sheet 70
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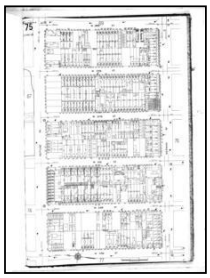
Volume 18, Sheet 75
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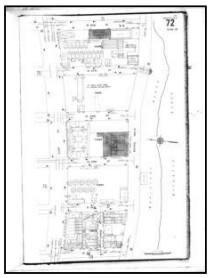
Volume 18, Sheet 76
1930


Volume 18, Sheet 72
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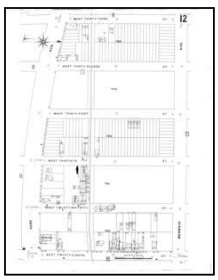
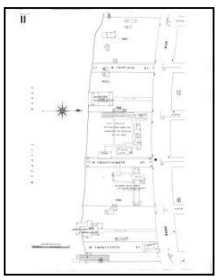
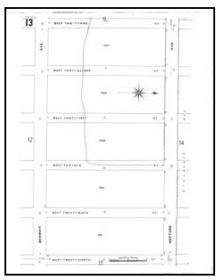
1906 Source Sheets


Volume 13, Sheet 12
1906


Volume 13, Sheet 11
1906


Volume 13, Sheet 13
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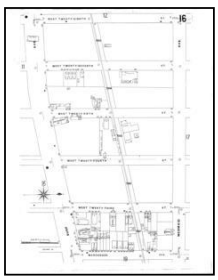
Volume 13, Sheet 16
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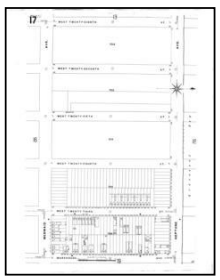
Volume 13, Sheet 17
1906

Sanborn Sheet Key

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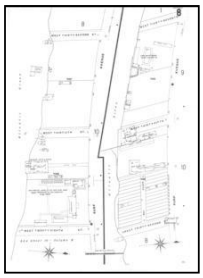
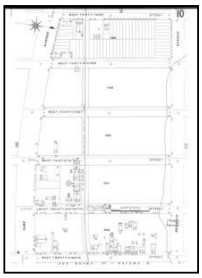
1905 Source Sheets



Volume B, Sheet 8
1905



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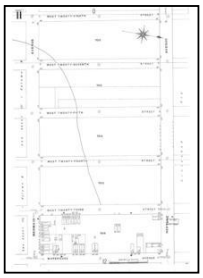
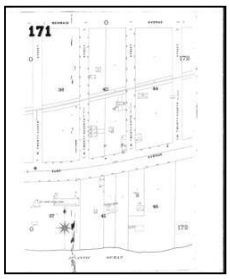
1905



Volume B, Sheet 11
1905

1895 Source Sheets



Volume B, Sheet 171
1895

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Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	2007

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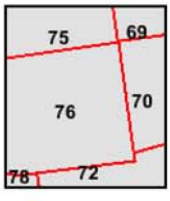

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Volume 18, Sheet 72
Volume 18, Sheet 70
Volume 18, Sheet 69

0 Feet 150 300 600

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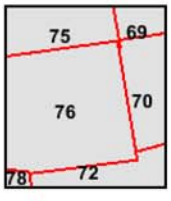

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Copyright	2005

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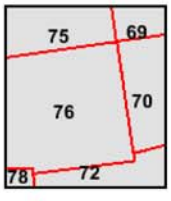

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Certification #	732D-4915-AD3D
Copyright	2004

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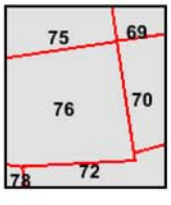

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Certification #	732D-4915-AD3D
Copyright	2003

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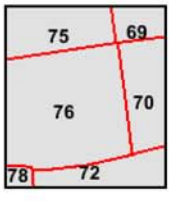

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Certification #	732D-4915-AD3D
Copyright	2002

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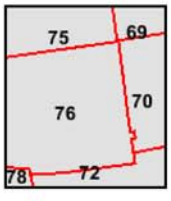

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Certification #	732D-4915-AD3D
Copyright	2001

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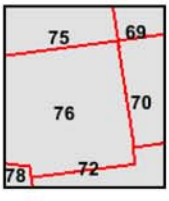

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1996

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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
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Order Date:	08/25/2022
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Copyright	1996

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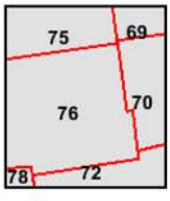

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City, ST, ZIP:	Brooklyn, NY 11224
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Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1995

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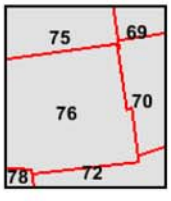

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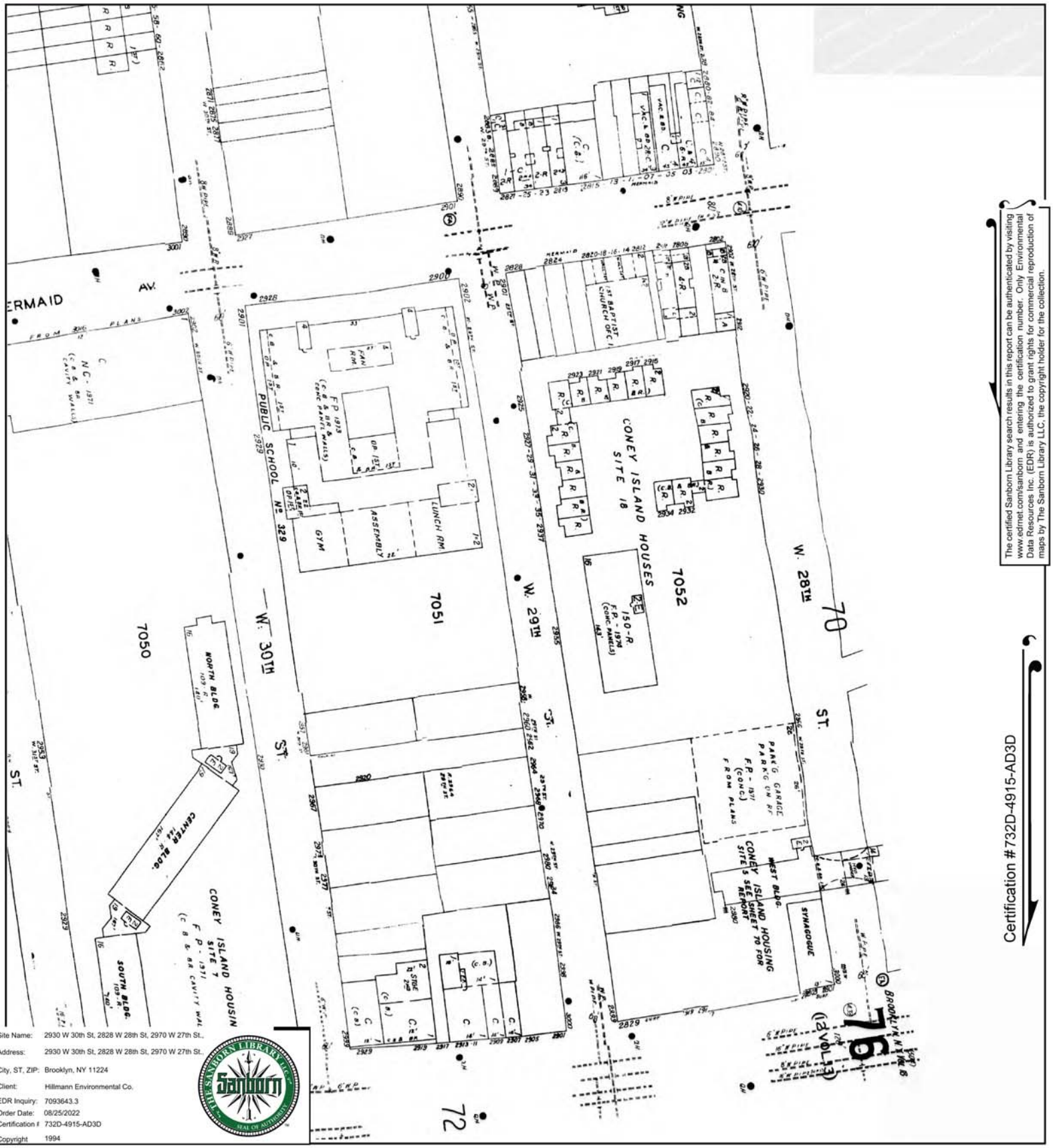

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Certification #	732D-4915-AD3D
Copyright	1994

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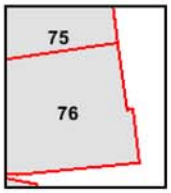

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Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
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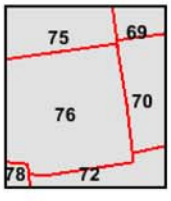

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N

Certified Sanborn® Map

1992

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Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1992

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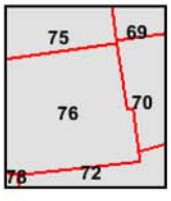

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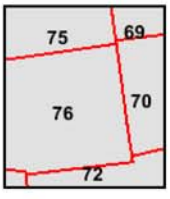

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Volume 18, Sheet 72
Volume 18, Sheet 70
Volume 18, Sheet 69

0 Feet 150 300 600

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Certification #	732D-4915-AD3D
Copyright	1989

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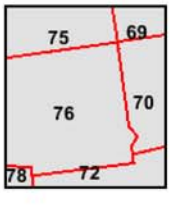

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Certification #	732D-4915-AD3D
Copyright	1987

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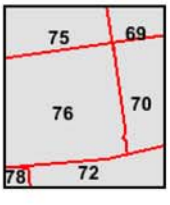

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Volume 18, Sheet 69
Volume 18, Sheet 76
Volume 18, Sheet 75

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Certification #	732D-4915-AD3D
Copyright	1986

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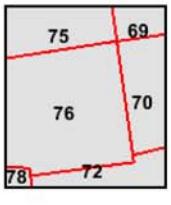

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1983

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Copyright	1983

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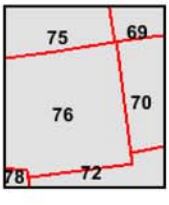

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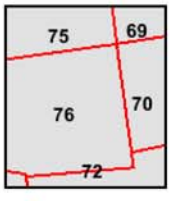

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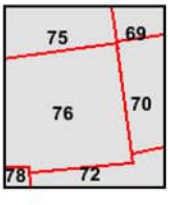

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Copyright	1980

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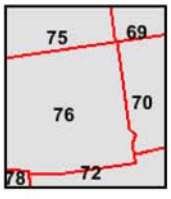

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Copyright	1979

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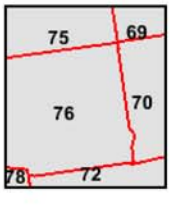

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1977

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Copyright	1977

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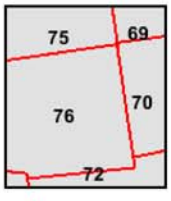

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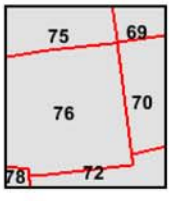

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Copyright 1966

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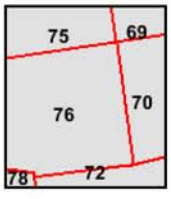

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Certification #	732D-4915-AD3D
Copyright	1950

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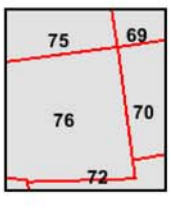

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Copyright 1930

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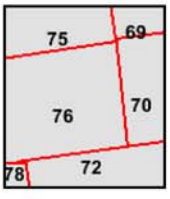

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Copyright: 1906

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Certification #: 732D-4915-AD3D
Copyright: 1905

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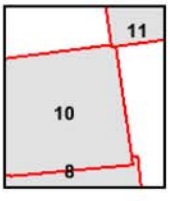

Volume B, Sheet 11
Volume B, Sheet 10
Volume B, Sheet 8

0 Feet 150 300 600

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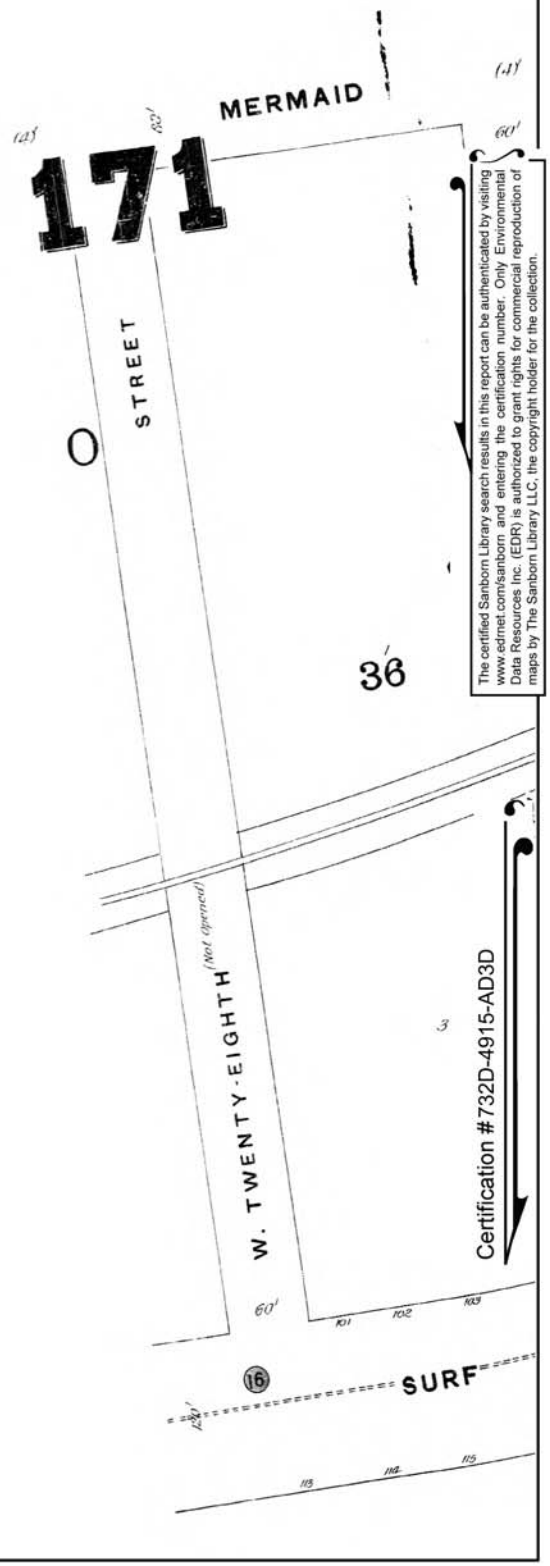

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Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright: 1895

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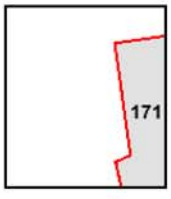

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2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

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Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1983	1950
2006	1994	1982	1930
2005	1993	1981	1906
2004	1992	1980	1905
2003	1991	1979	
2002	1989	1977	
2001	1987	1968	
1996	1986	1966	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Sanborn Sheet Key

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2007 Source Sheets

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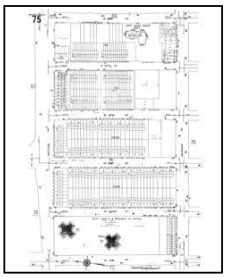
2007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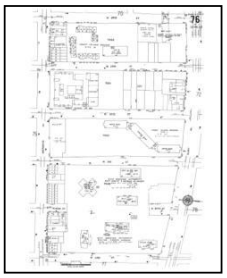
2007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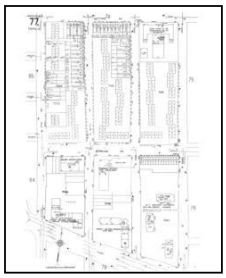
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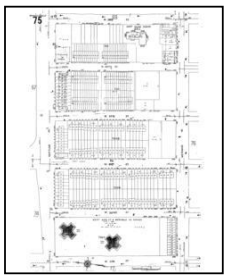
2007

2006 Source Sheets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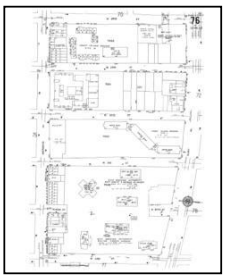
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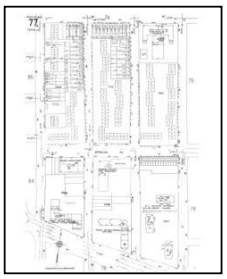
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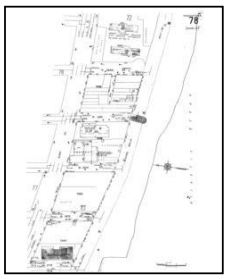
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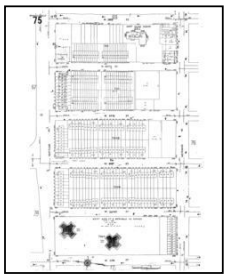
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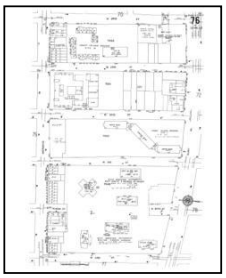
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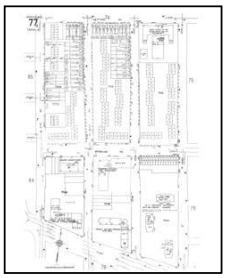
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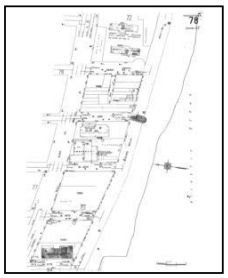
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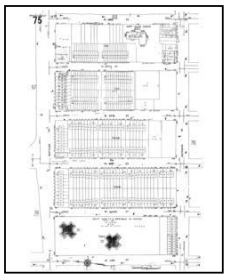
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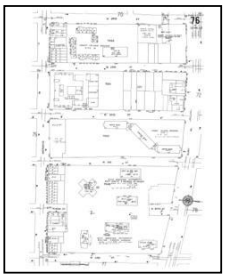
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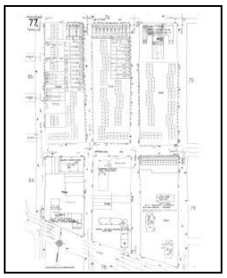
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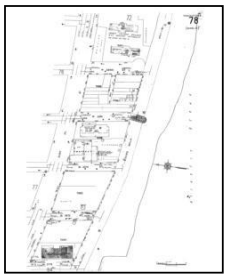
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2004

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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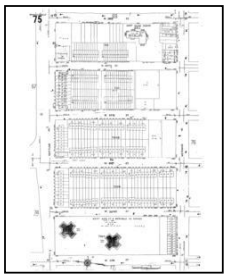
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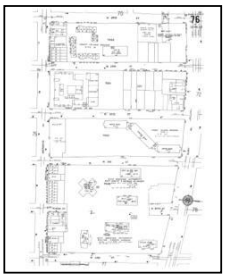
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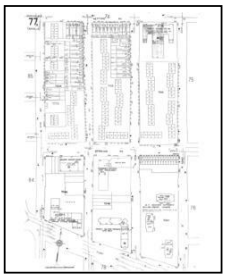
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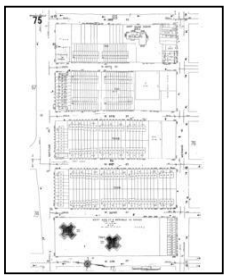
2002 Source Sheets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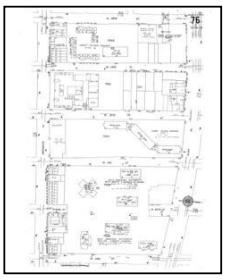
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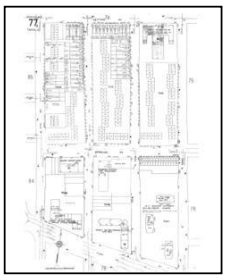
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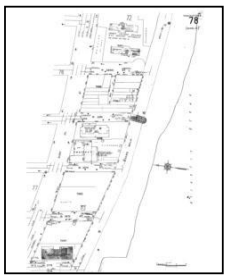
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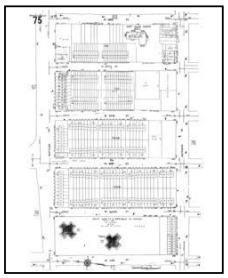
2001 Source Sheets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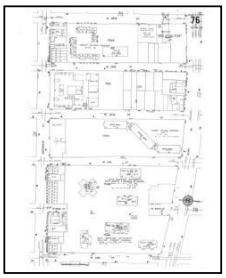
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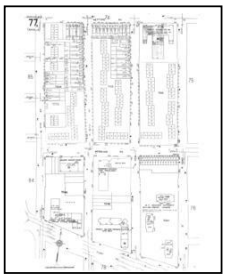
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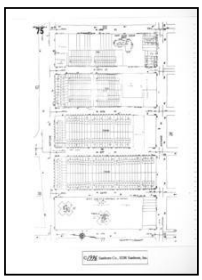
1996 Source Sheets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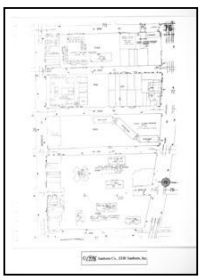
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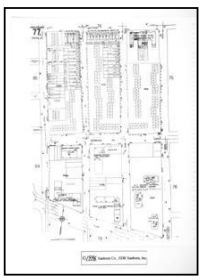
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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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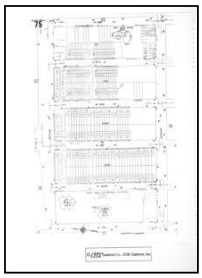
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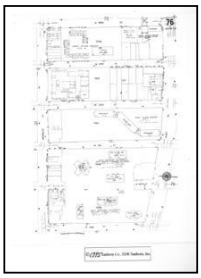
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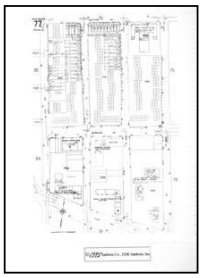
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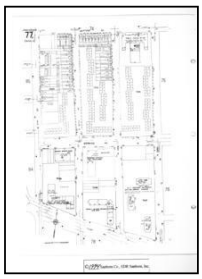
1994 Source Sheets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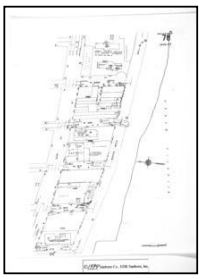
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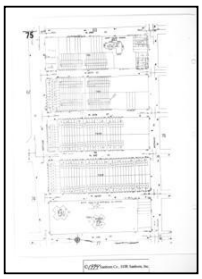
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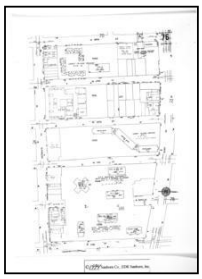
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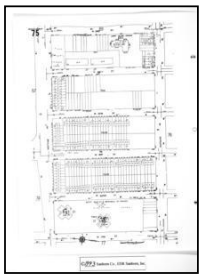
1993 Source Sheets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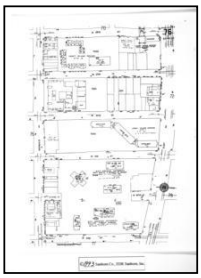
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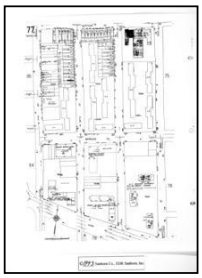
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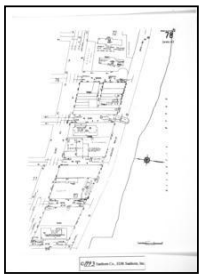
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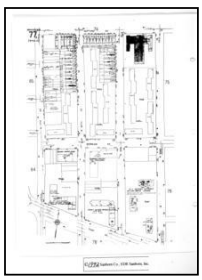
1992 Source Sheets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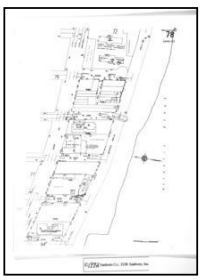
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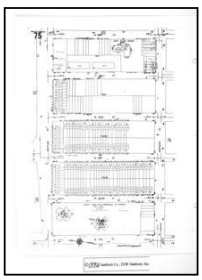
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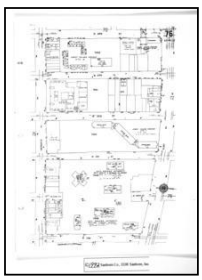
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1992

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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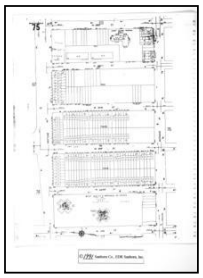
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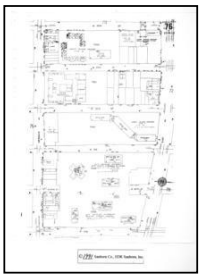
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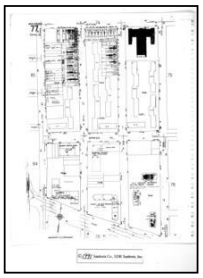
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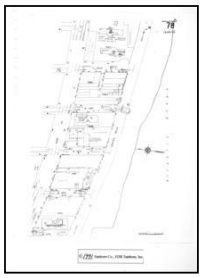
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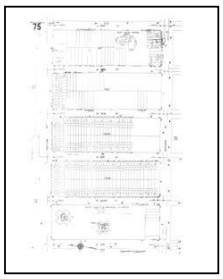
1989 Source Sheets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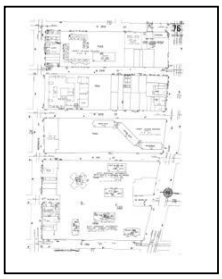
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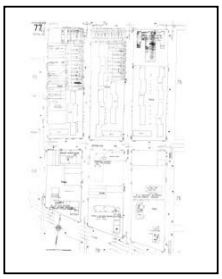
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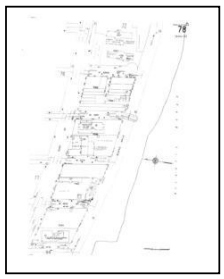
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1987 Source Sheets

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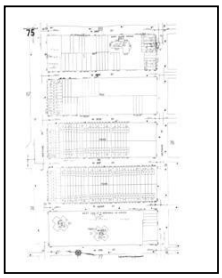
1987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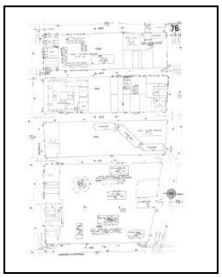
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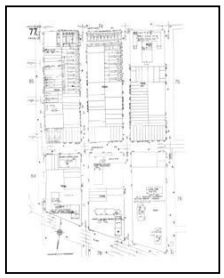
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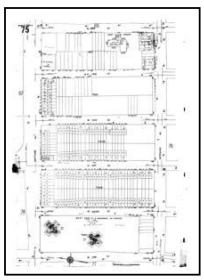
1987

1986 Source Sheets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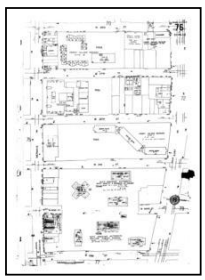
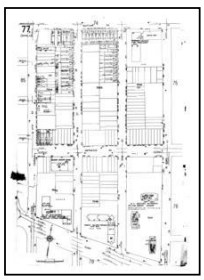
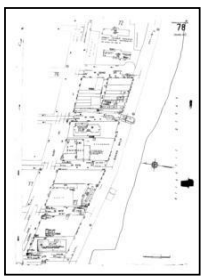
1986


Volume 18, Sheet 76
1986

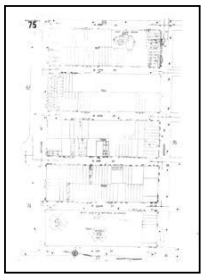

Volume 18, Sheet 77
1986


Volume 18, Sheet 78
1986

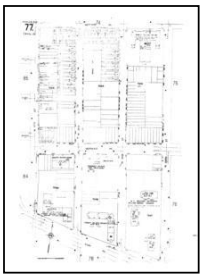
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1983 Source Sheets


Volume 18, Sheet 75
1983

Volume 18, Sheet 76
1983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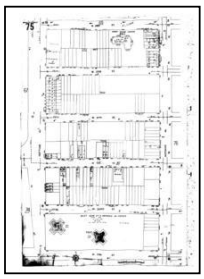
1983

Volume 18, Sheet 78
1983

1982 Source Sheets


Volume 18, Sheet 75
1982

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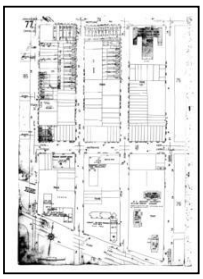
1982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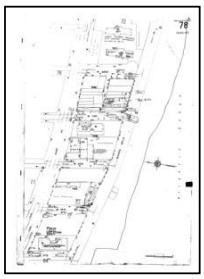
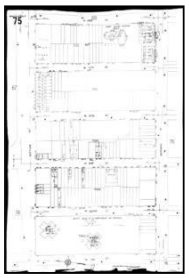
1982


Volume 18, Sheet 78
1982

1981 Source Sheets


Volume 18, Sheet 75
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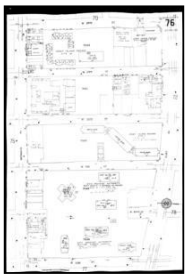
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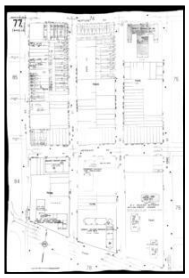
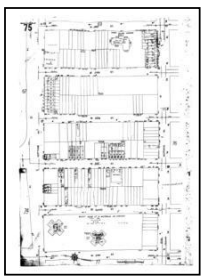

Volume 18, Sheet 77
1981

Volume 18, Sheet 78
1981

1980 Source Sheets


Volume 18, Sheet 75
1980

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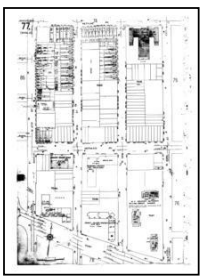
1980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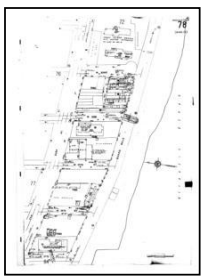
Volume 18, Sheet 78
1980

Sanborn Sheet Key

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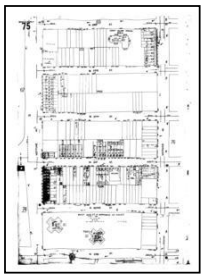
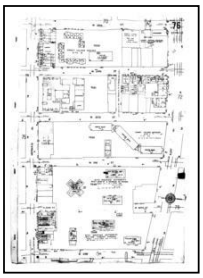
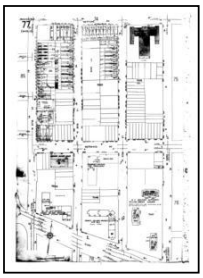

Volume 18, Sheet 75
1979


Volume 18, Sheet 76
1979


Volume 18, Sheet 77
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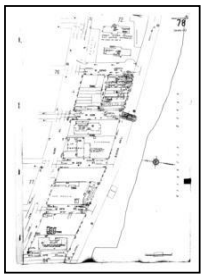
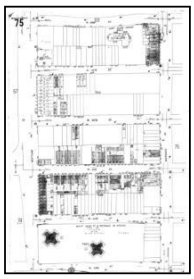
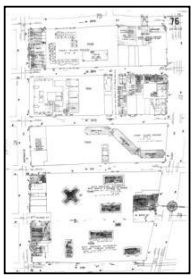

Volume 18, Sheet 78
1979

1977 Source Sheets


Volume 18, Sheet 75
1977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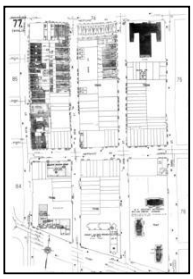
1977


Volume 18, Sheet 77
1977

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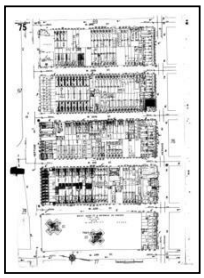
1977

1968 Source Sheets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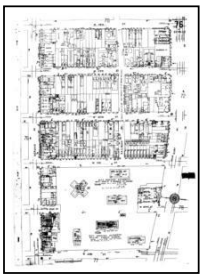
1968


Volume 18, Sheet 76
1968

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1968

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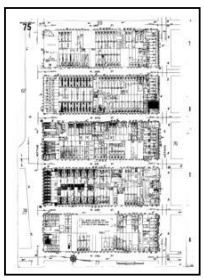
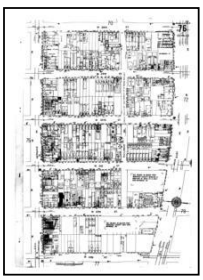
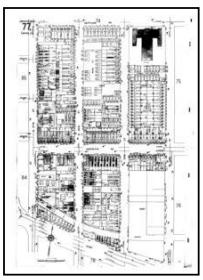
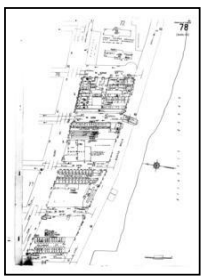
1968

1966 Source Sheets


Volume 18, Sheet 75
1966


Volume 18, Sheet 76
1966


Volume 18, Sheet 77
1966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1966

Sanborn Sheet Key

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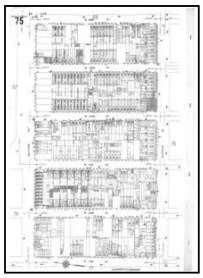
1950 Source Sheets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1950

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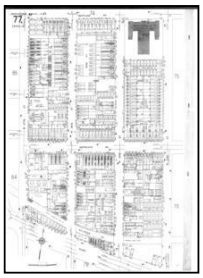
1950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1950

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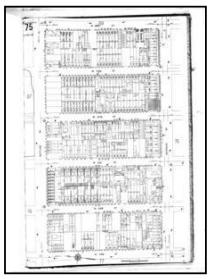
1950

1930 Source Sheets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1930

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1930

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1930

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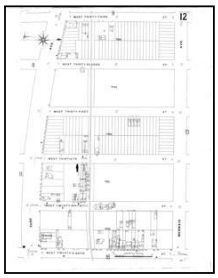
1930

1906 Source Sheets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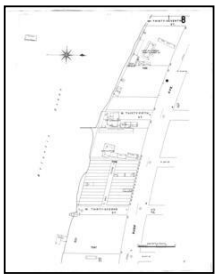
1906


Volume 13, Sheet 8
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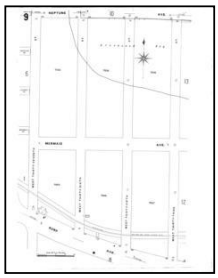
Volume 13, Sheet 9
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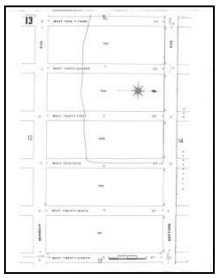
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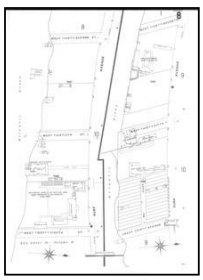
1905 Source Sheets


Volume B, Sheet 8
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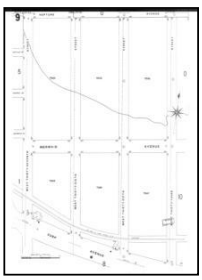
Volume B, Sheet 9
1905

Volume B, Sheet 10
1905

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City, ST, ZIP: Brooklyn, NY 11224
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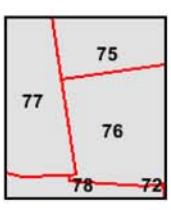

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Volume 18, Sheet 78

0 Feet 150 300 600

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City, ST, ZIP:	Brooklyn, NY 11224
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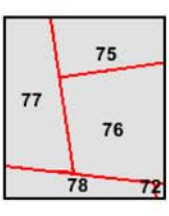

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Volume 18, Sheet 77
Volume 18, Sheet 76
Volume 18, Sheet 75

0 Feet 150 300 600

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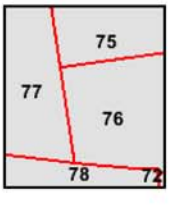

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Volume 18, Sheet 77
Volume 18, Sheet 76
Volume 18, Sheet 75

0 Feet 150 300 600

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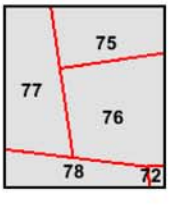

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0 Feet 150 300 600

N

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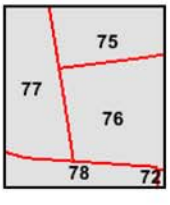

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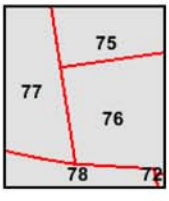

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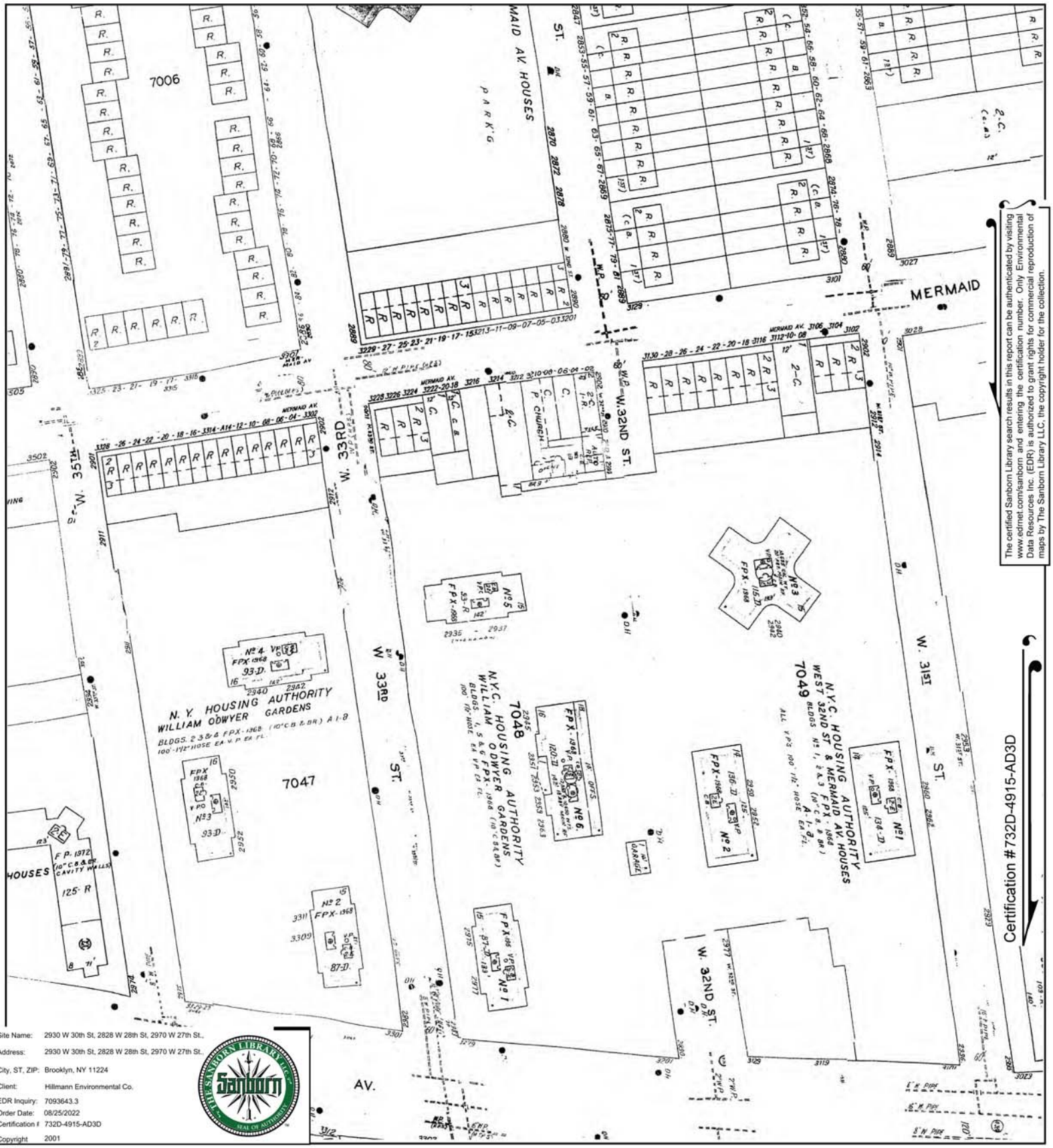

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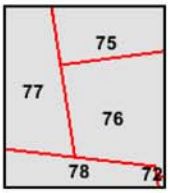

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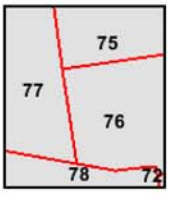

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1995

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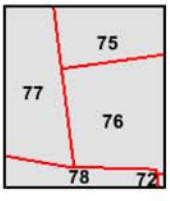

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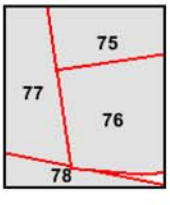

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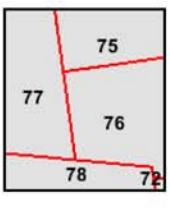

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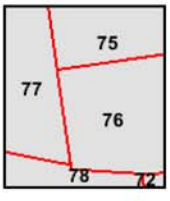

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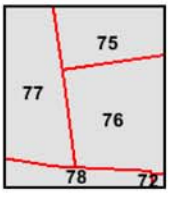

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Copyright	1989

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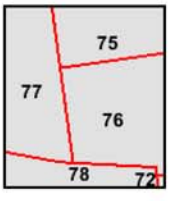

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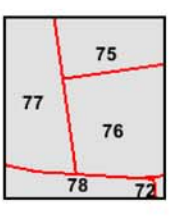

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Copyright	1986

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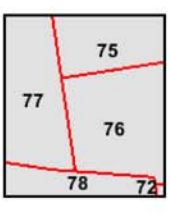

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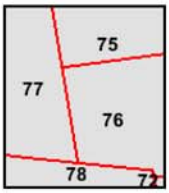

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Copyright	1982

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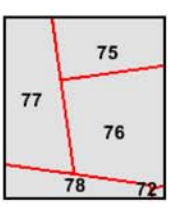

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Copyright	1981

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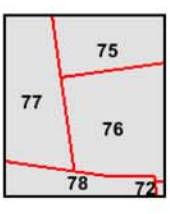

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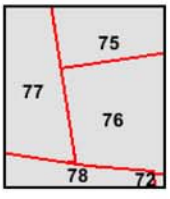

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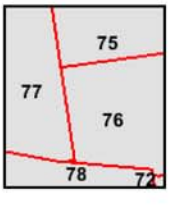

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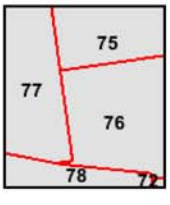

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Copyright	1968

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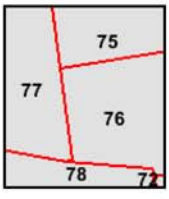

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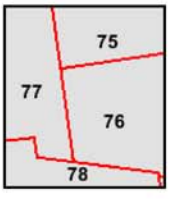

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Certification #	732D-4915-AD3D
Copyright	1950

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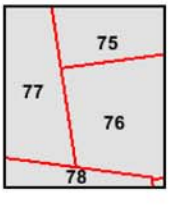

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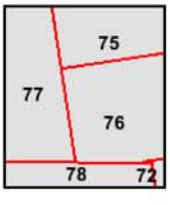

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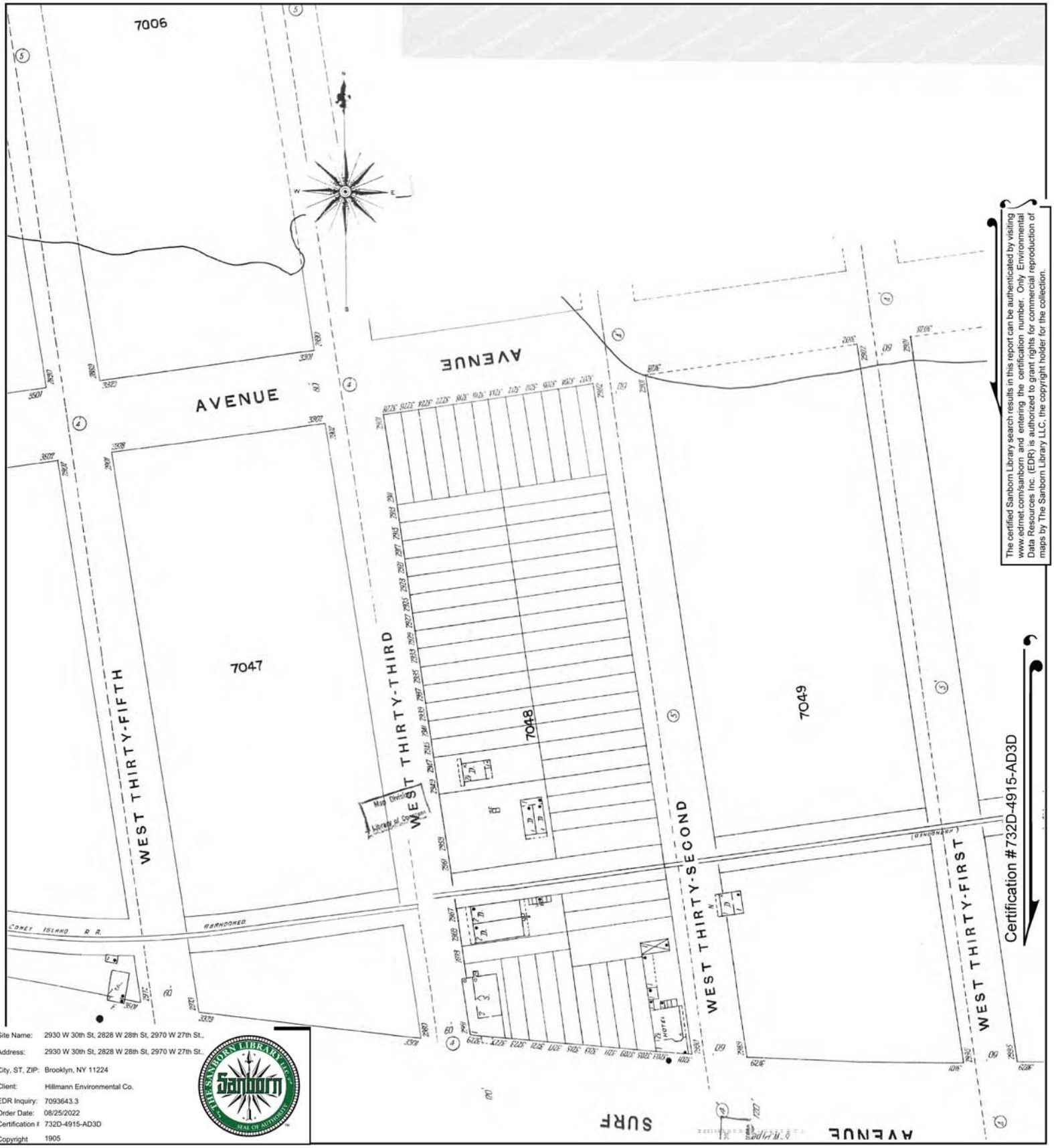
Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1906

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 13, Sheet 13
Volume 13, Sheet 9
Volume 13, Sheet 8
Volume 13, Sheet 12

0 Feet 150 300 600

N



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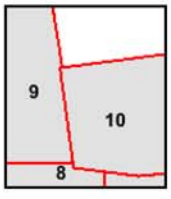
Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1905

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume B, Sheet 10
Volume B, Sheet 9
Volume B, Sheet 8

0 Feet 150 300 600

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2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hillmann Environmental Co. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1983	1950
2006	1994	1982	1930
2005	1993	1981	1906
2004	1992	1980	1905
2003	1991	1979	
2002	1989	1977	
2001	1987	1968	
1996	1986	1966	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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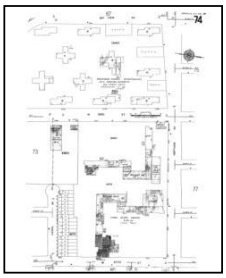
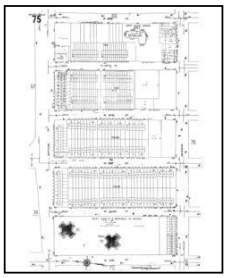
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets

Volume 18, Sheet 67
2007


Volume 18, Sheet 74
2007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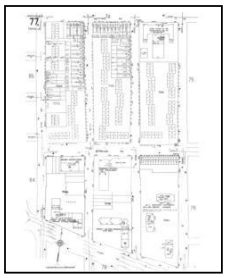
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2006 Source Sheets

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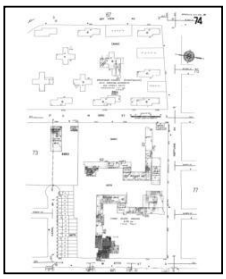
2006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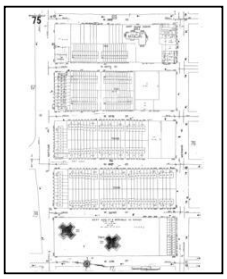
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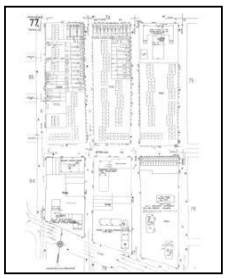
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2005 Source Sheets

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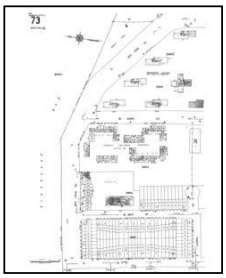
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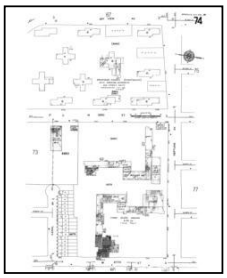
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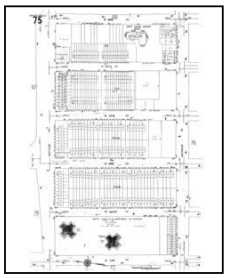
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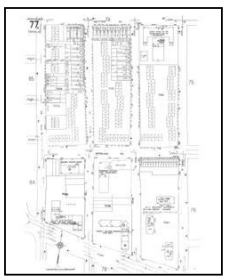
Volume 18, Sheet 77
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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2004 Source Sheets

Volume 18, Sheet 67
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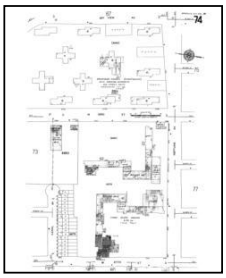
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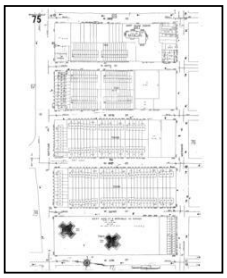
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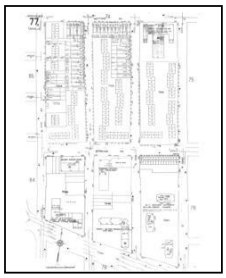
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2003 Source Sheets

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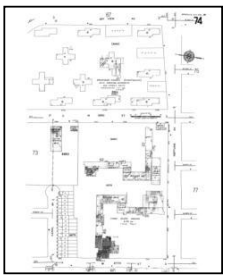
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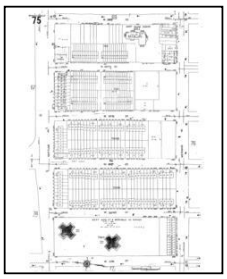
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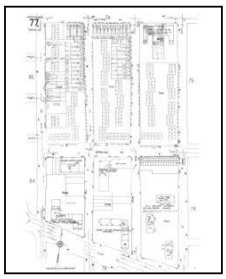
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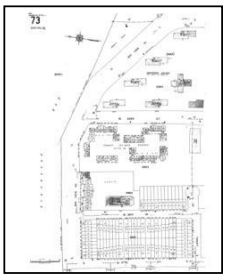
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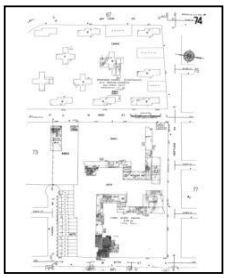
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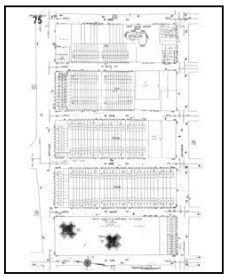
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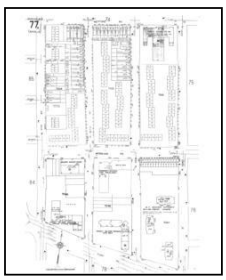
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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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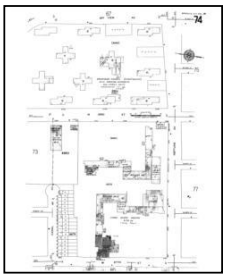
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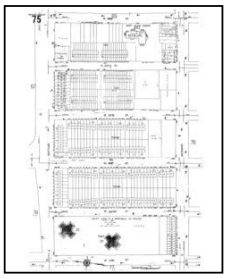
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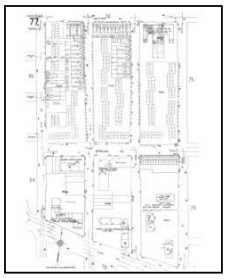
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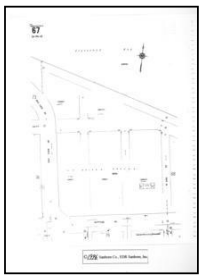
1996 Source Sheets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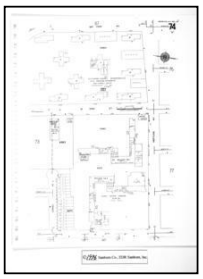
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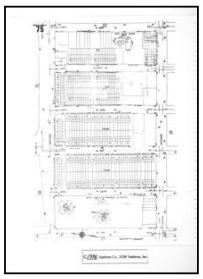
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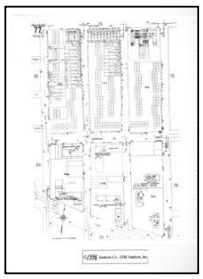
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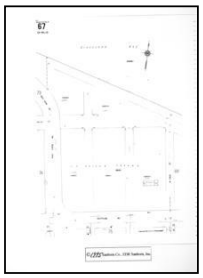
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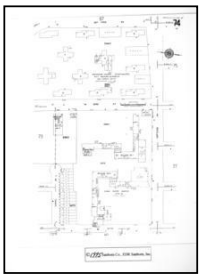
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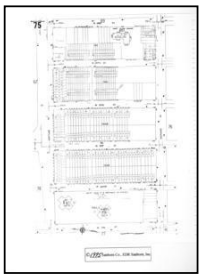
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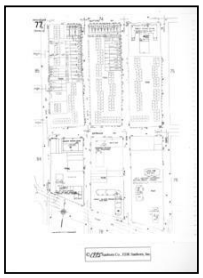
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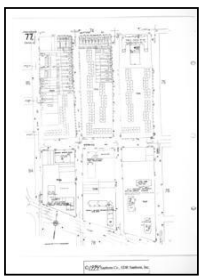
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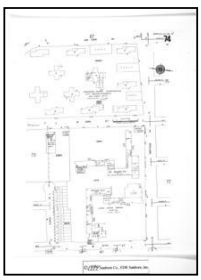
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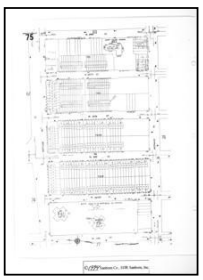
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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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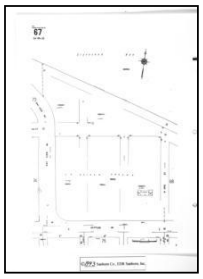
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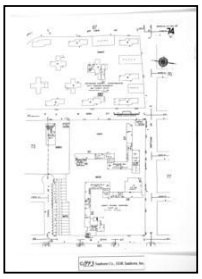
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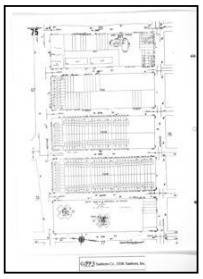
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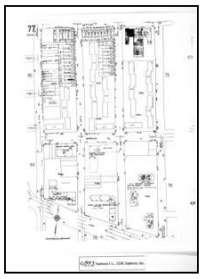
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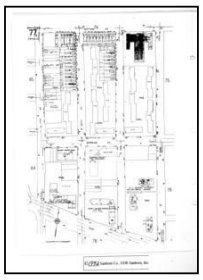
Volume 18, Sheet 77
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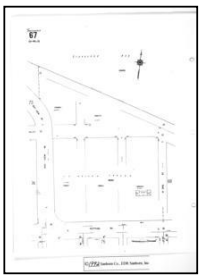
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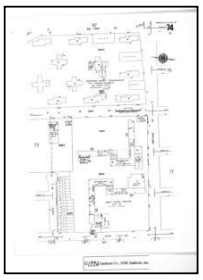
1992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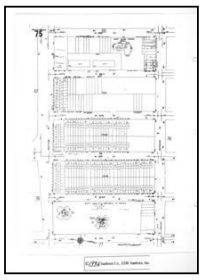
1992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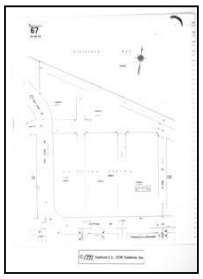
1992

1991 Source Sheets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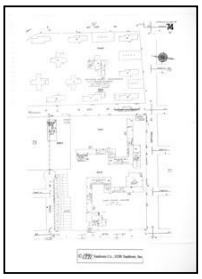
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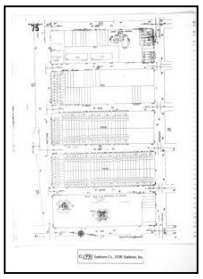
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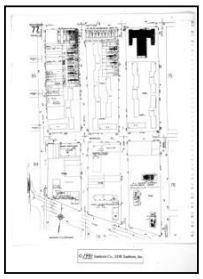
1991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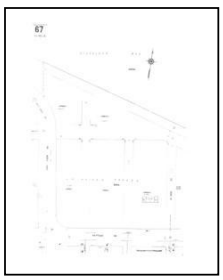
1991

1989 Source Sheets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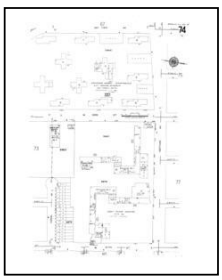
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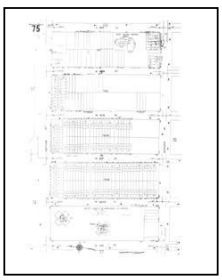
1989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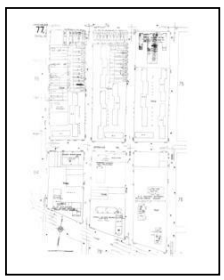
1989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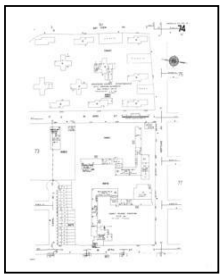
1989

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1987 Source Sheets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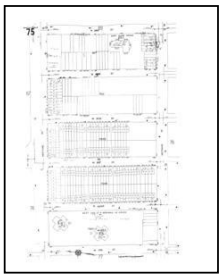
1987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1987

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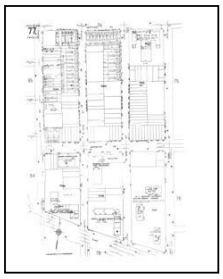
1987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1987

1986 Source Sheets

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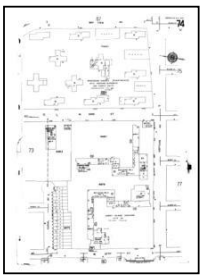
1986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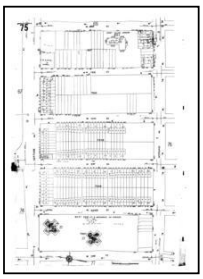
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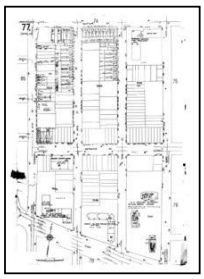
1986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1986

1983 Source Sheets

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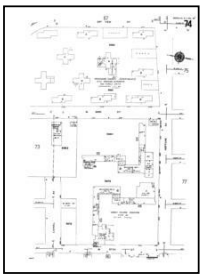
1983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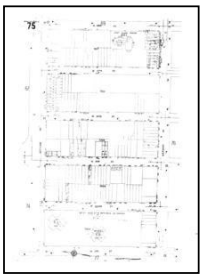
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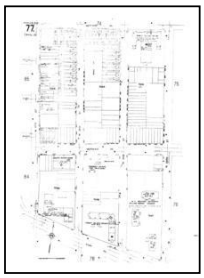
1983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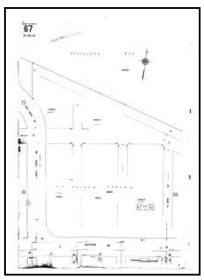
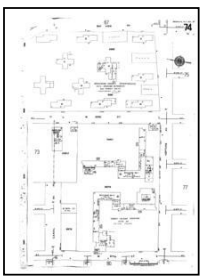
1983

1982 Source Sheets


Volume 18, Sheet 67
1982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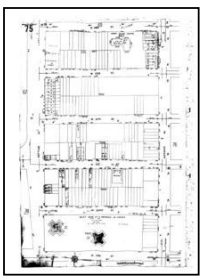
1982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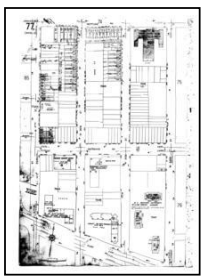
1982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1982

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1981 Source Sheets

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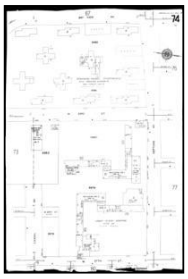
1981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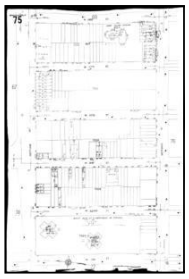
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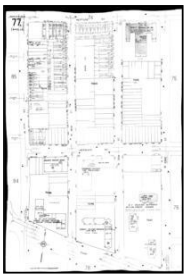
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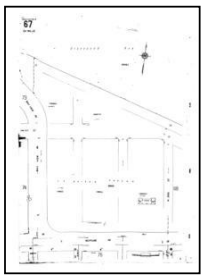
1981

1980 Source Sheets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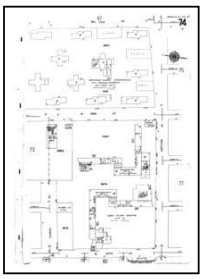
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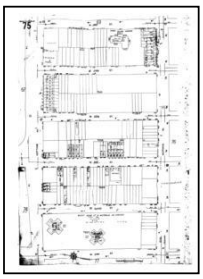
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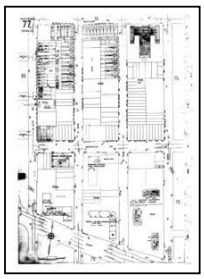
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1980

1979 Source Sheets

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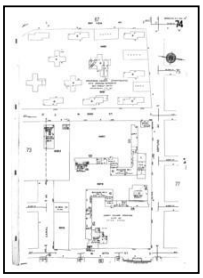
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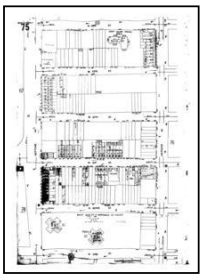
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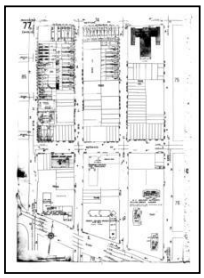
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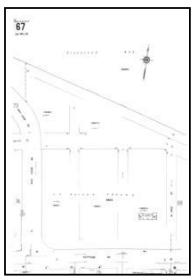
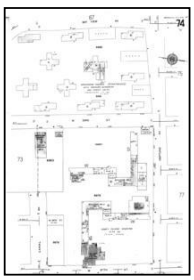
1979

1977 Source Sheets


Volume 18, Sheet 67
1977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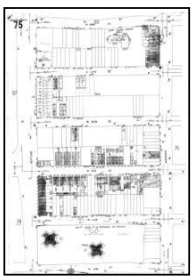
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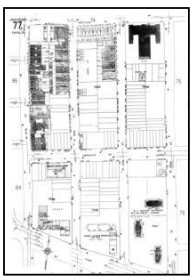
1977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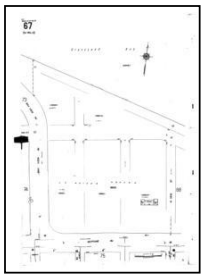
1977

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1968 Source Sheets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1968

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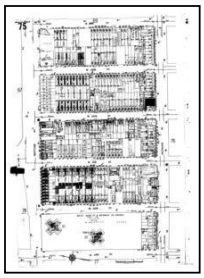
1968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1968

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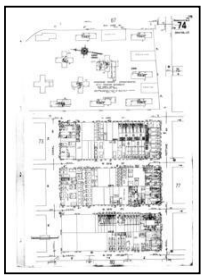
1968

1966 Source Sheets


Volume 18, Sheet 74
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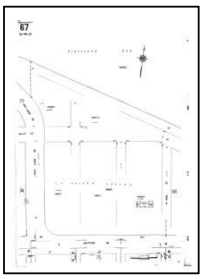
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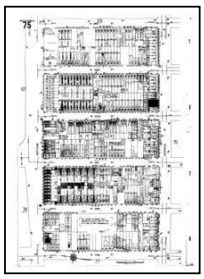
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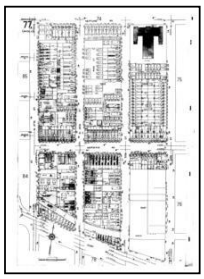
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1966

1950 Source Sheets

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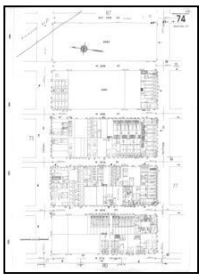
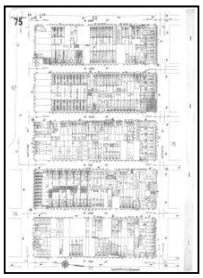
1950


Volume 18, Sheet 74
1950


Volume 18, Sheet 75
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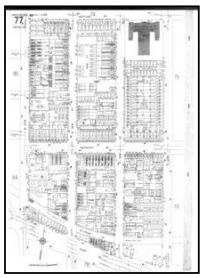
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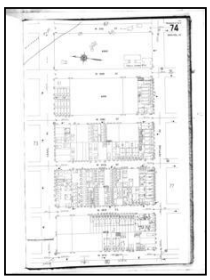
1950

1930 Source Sheets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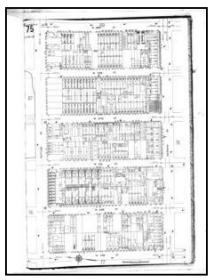
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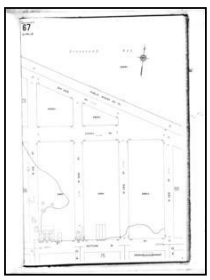
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1930

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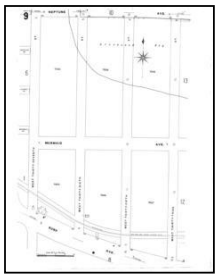
1930

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1906 Source Sheets



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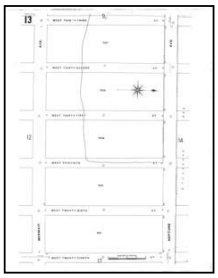
1906



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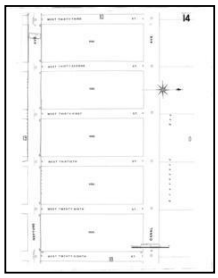
1906



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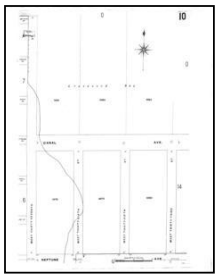
1906



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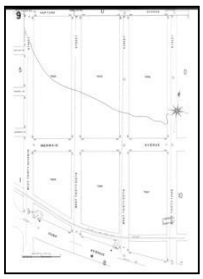
1906

1905 Source Sheets



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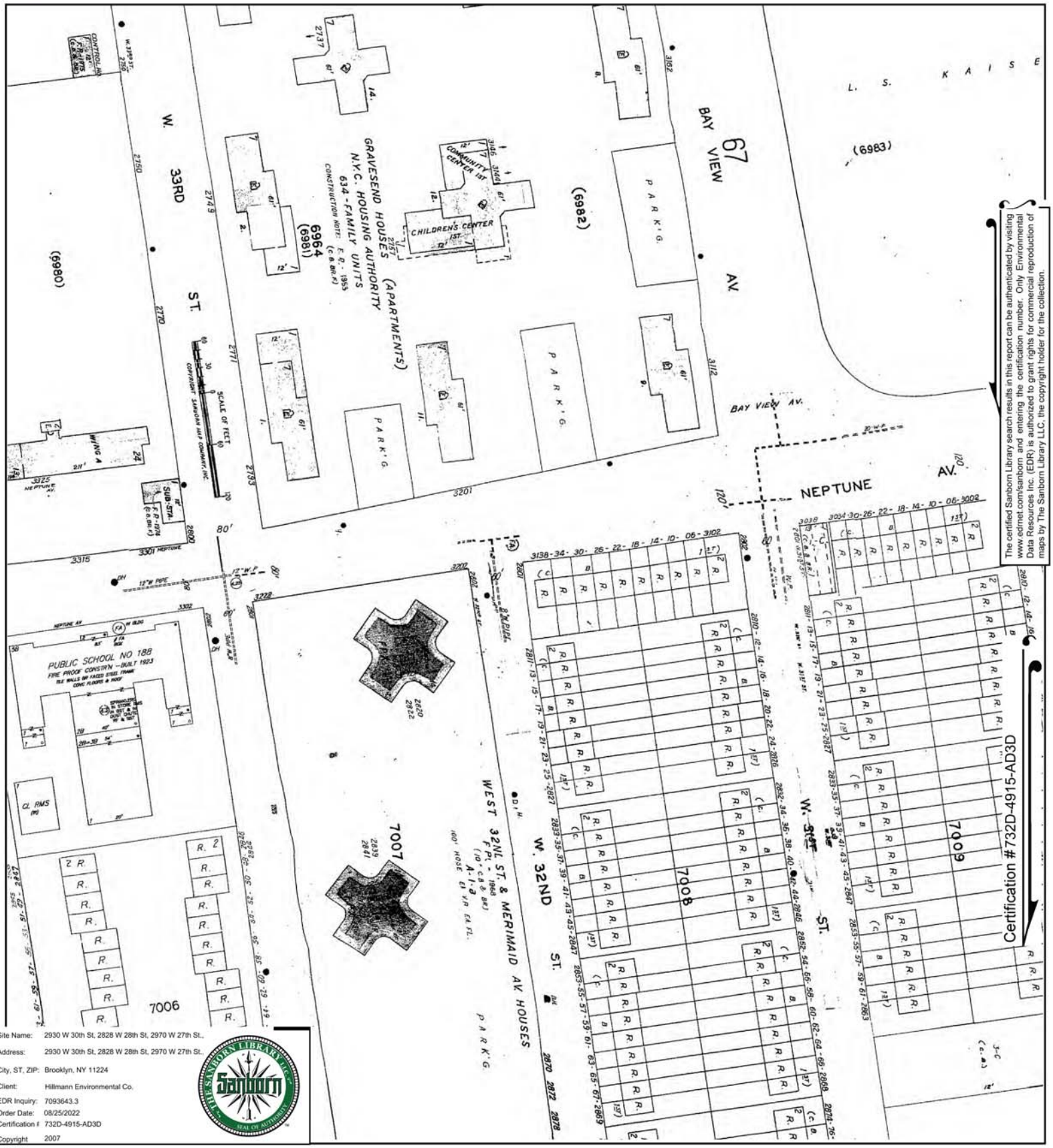

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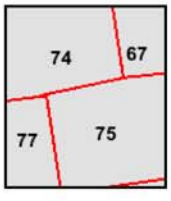

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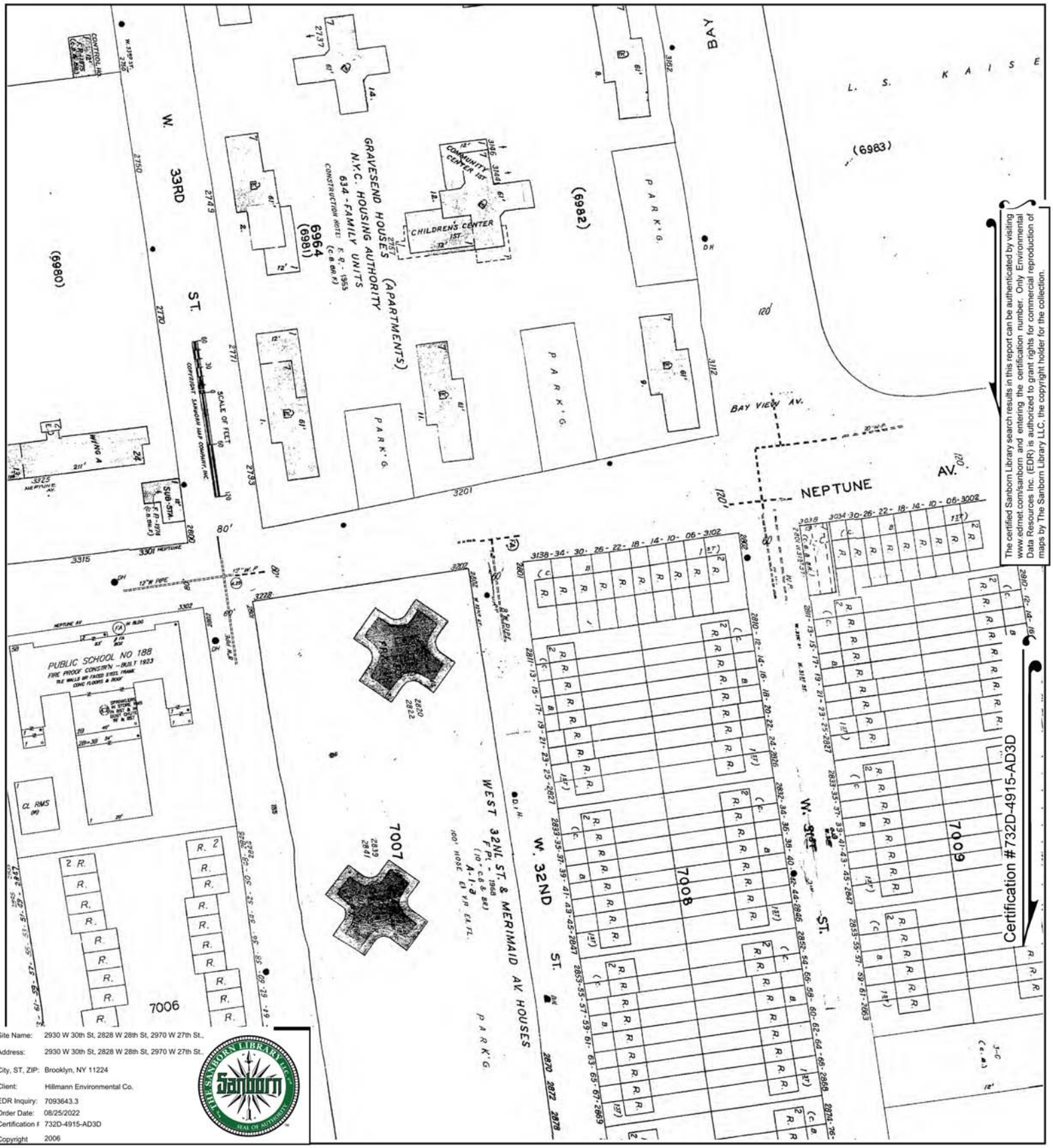

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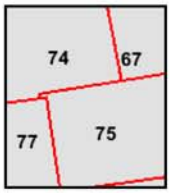

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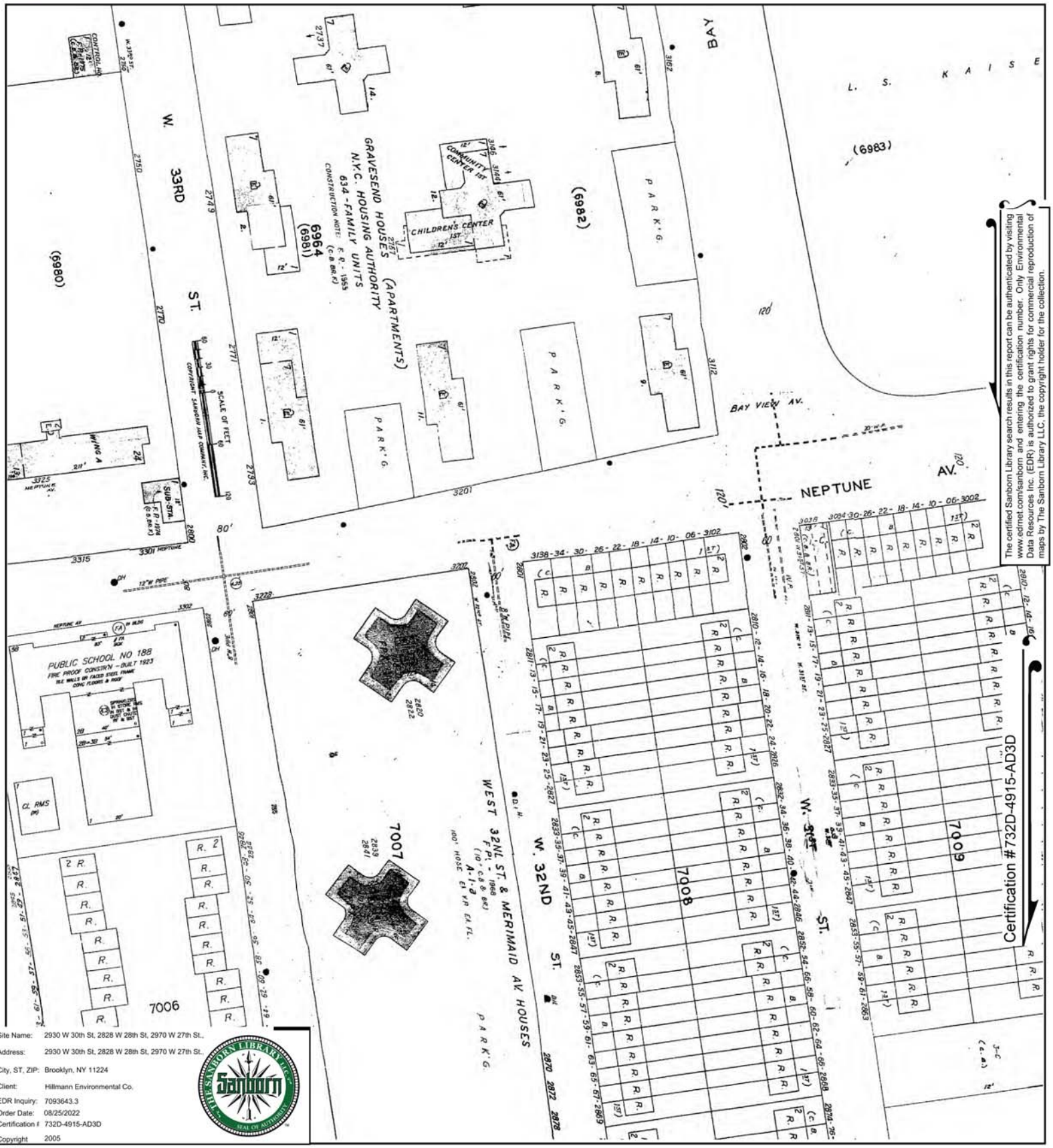

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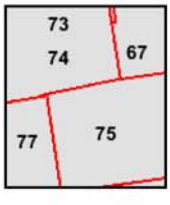

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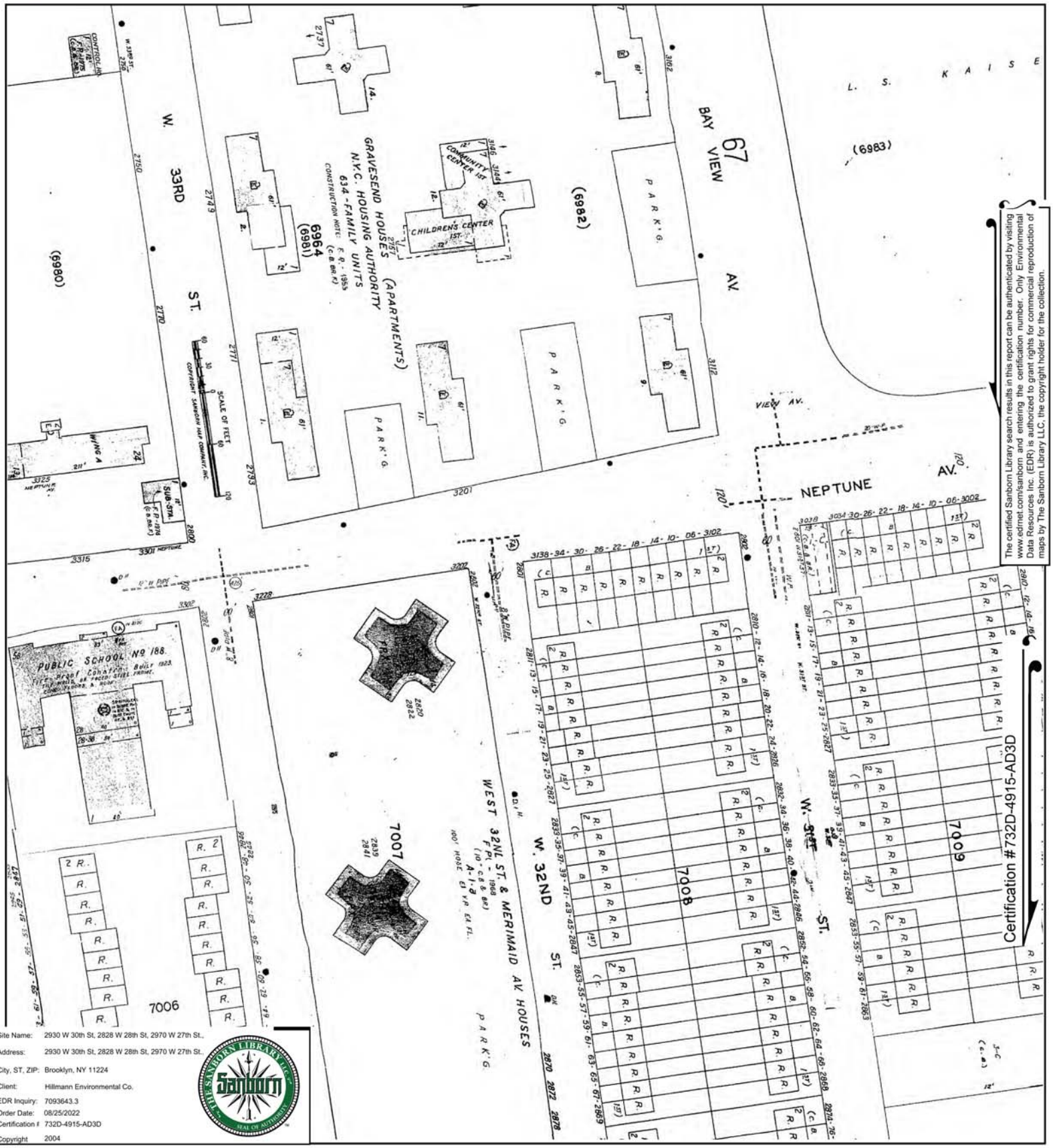

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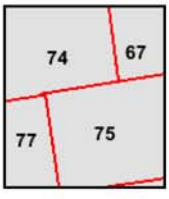

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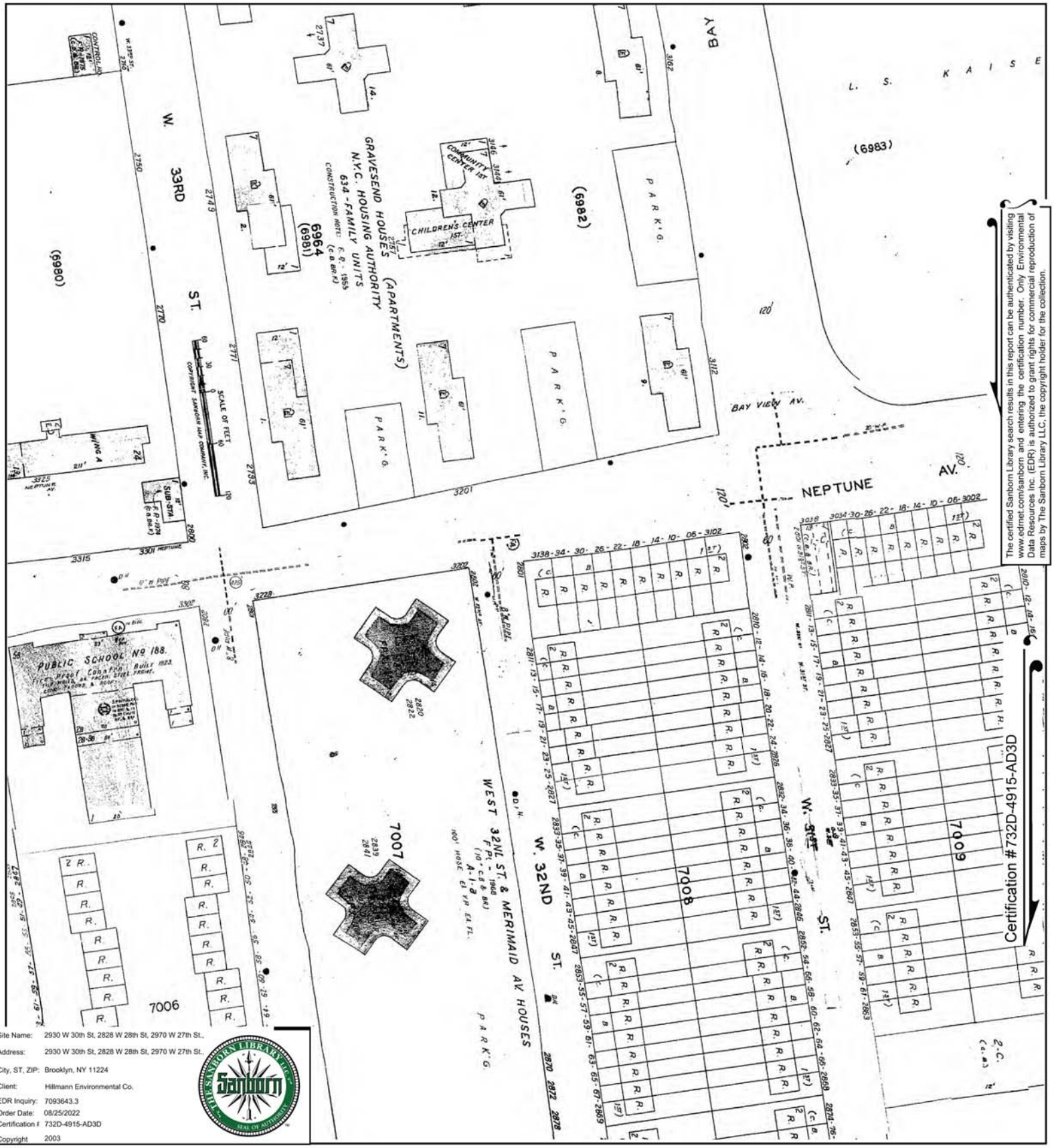

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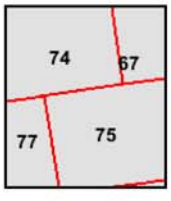

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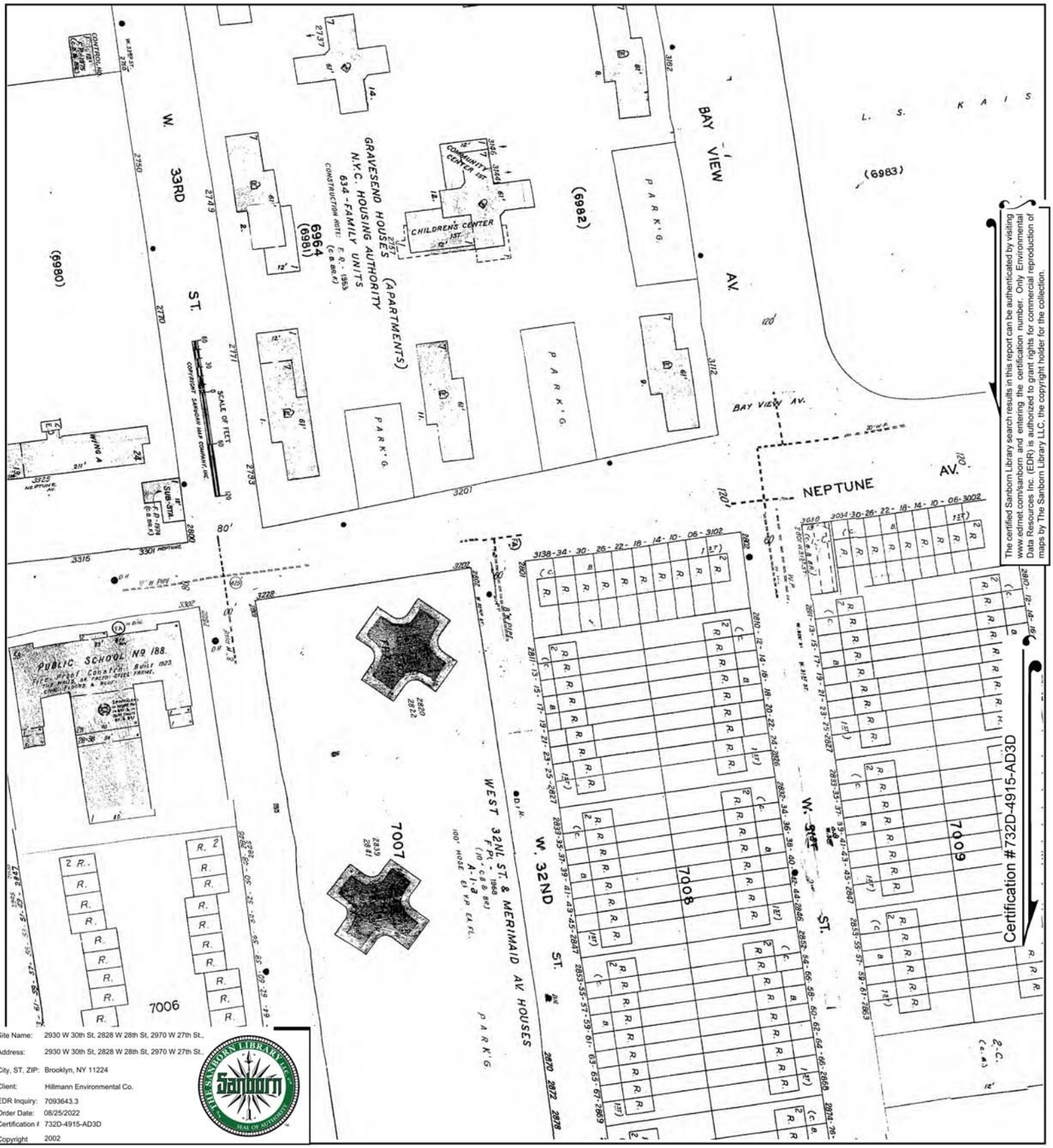

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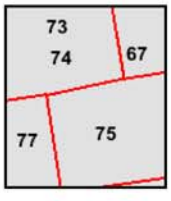

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Volume 18, Sheet 73
Volume 18, Sheet 67

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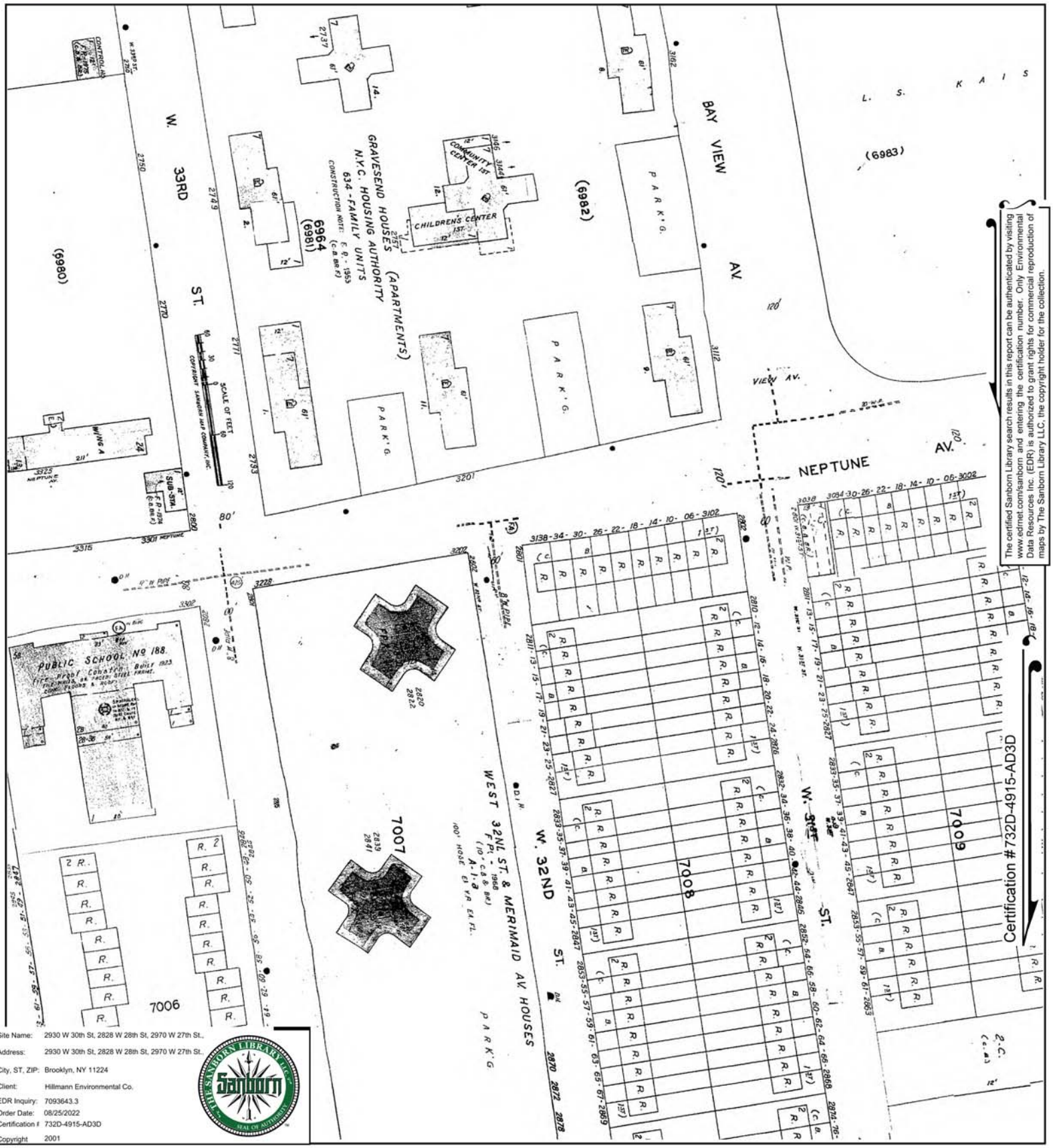

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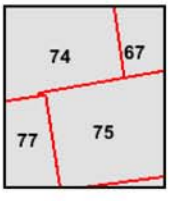

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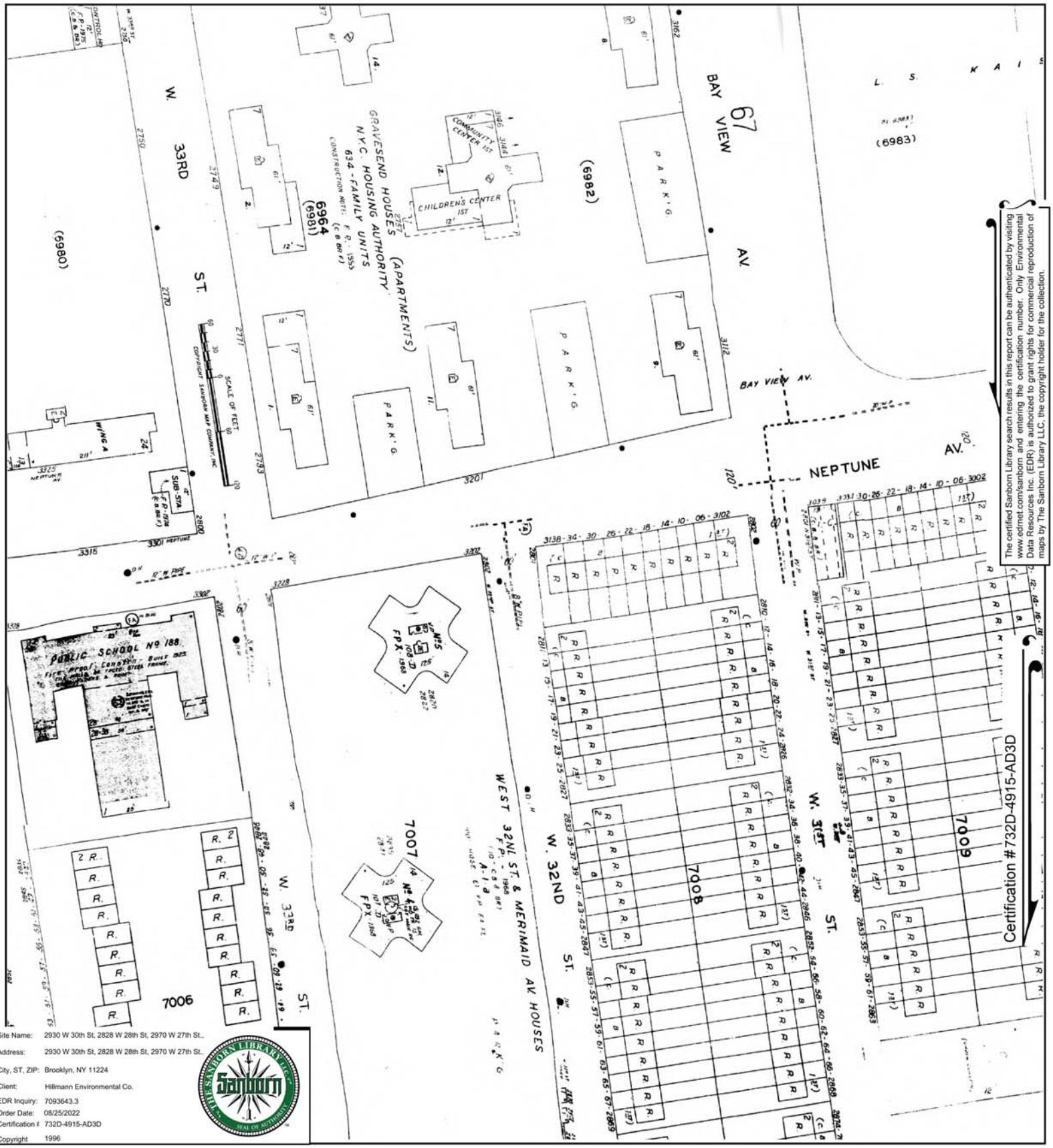

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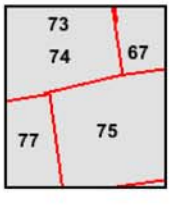

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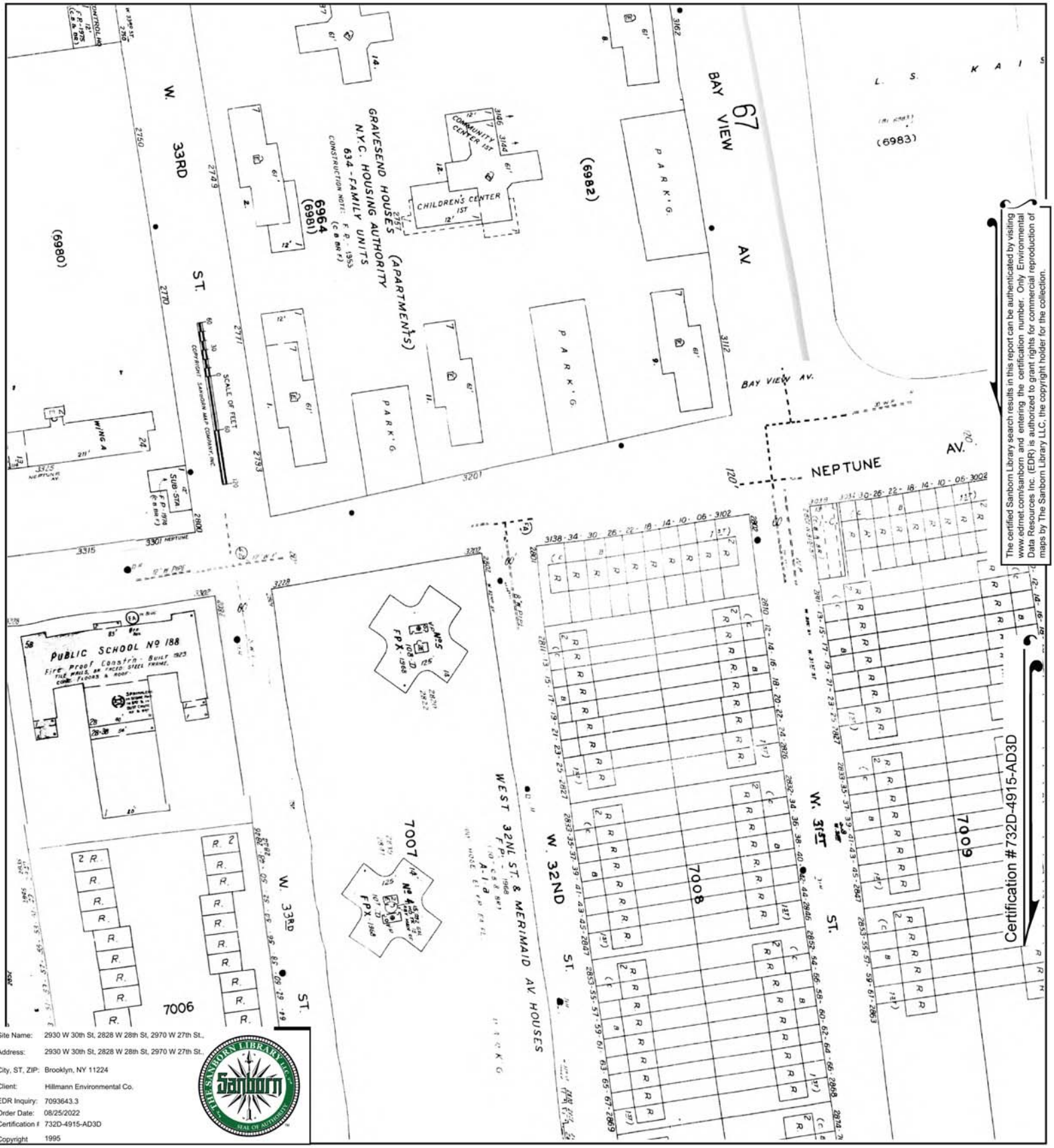

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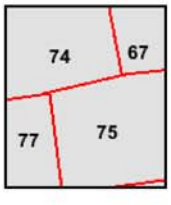

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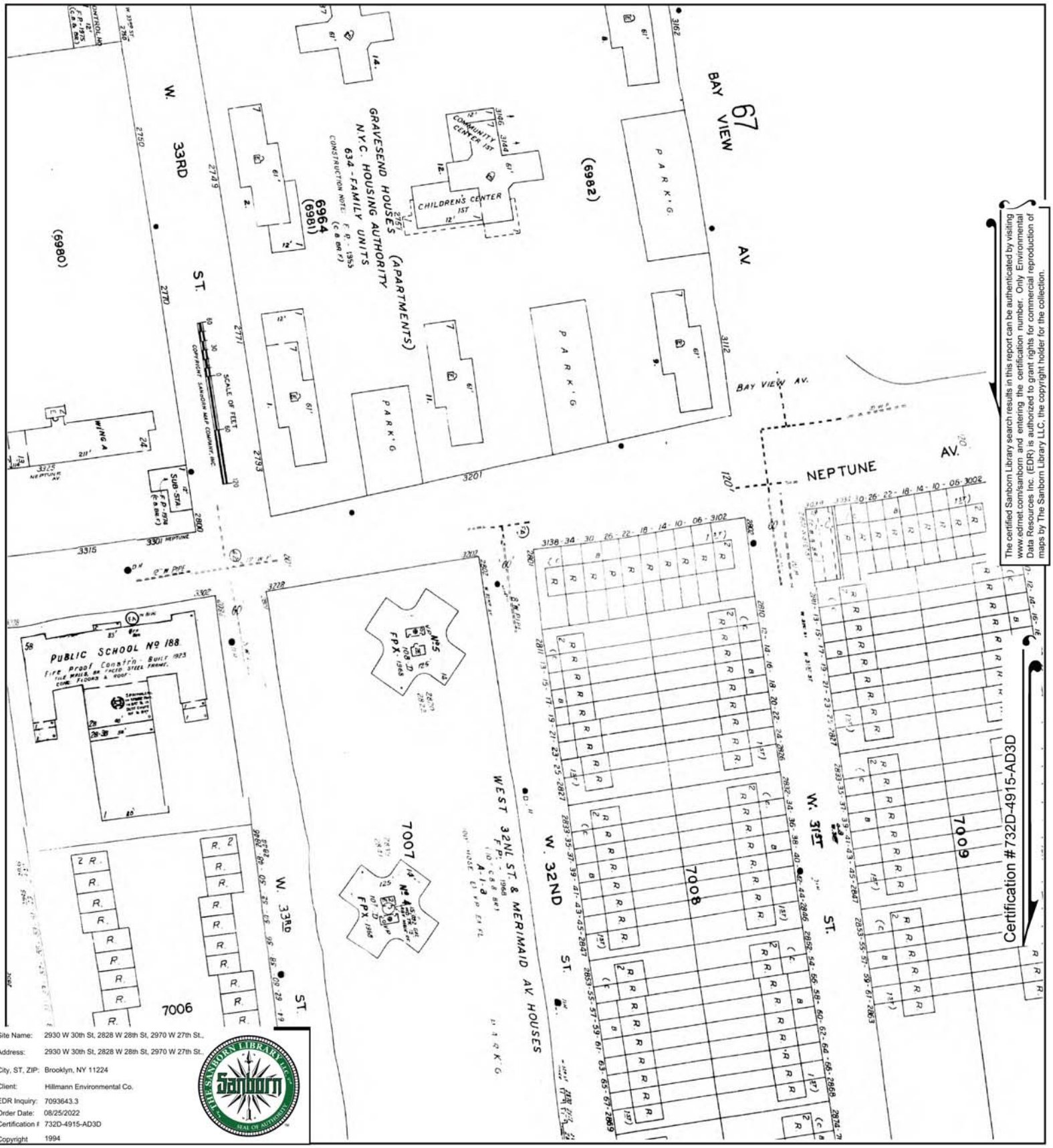

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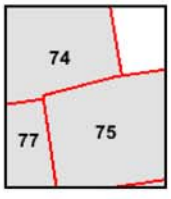

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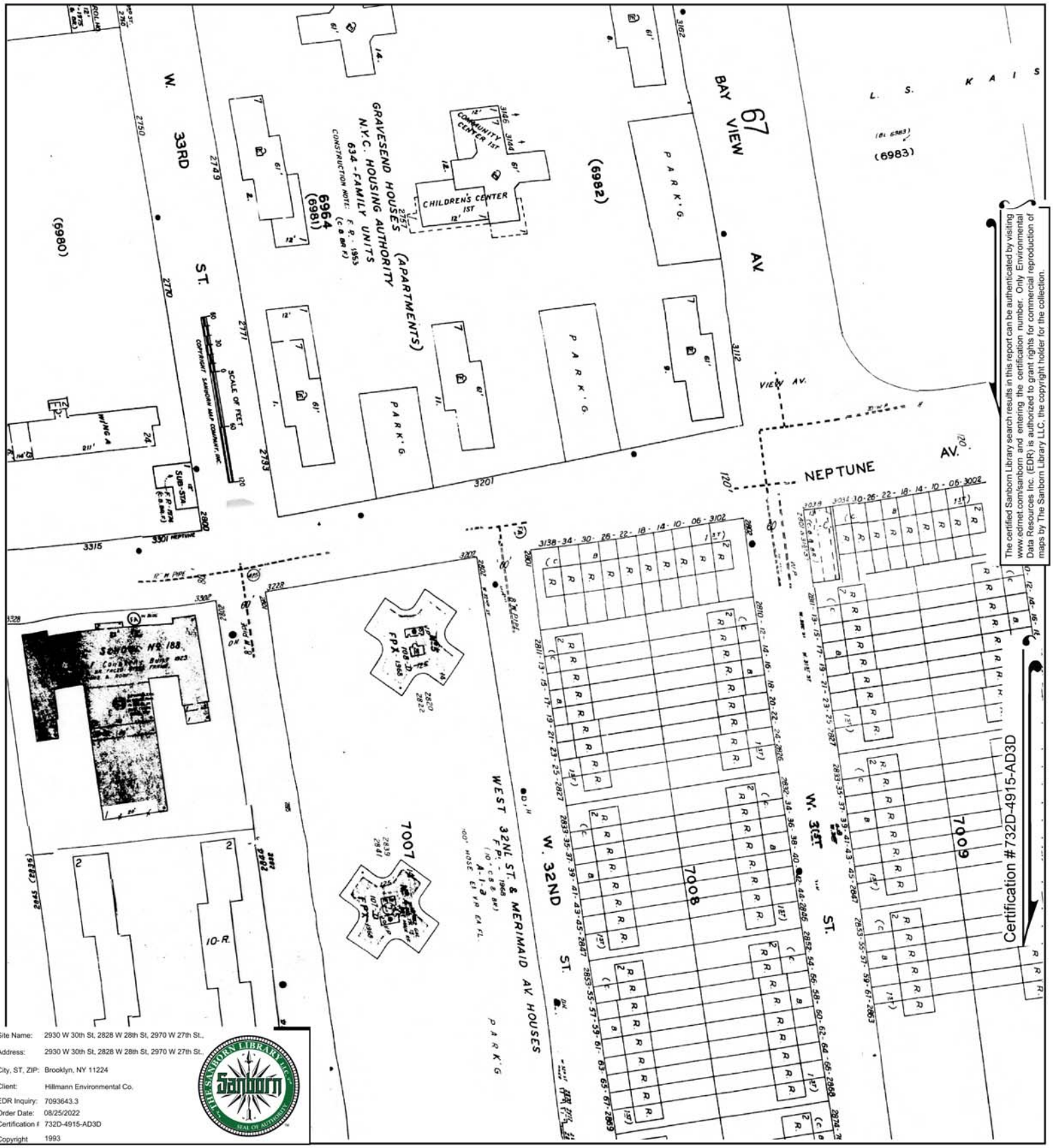

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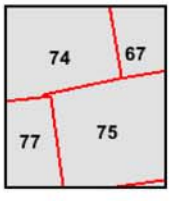

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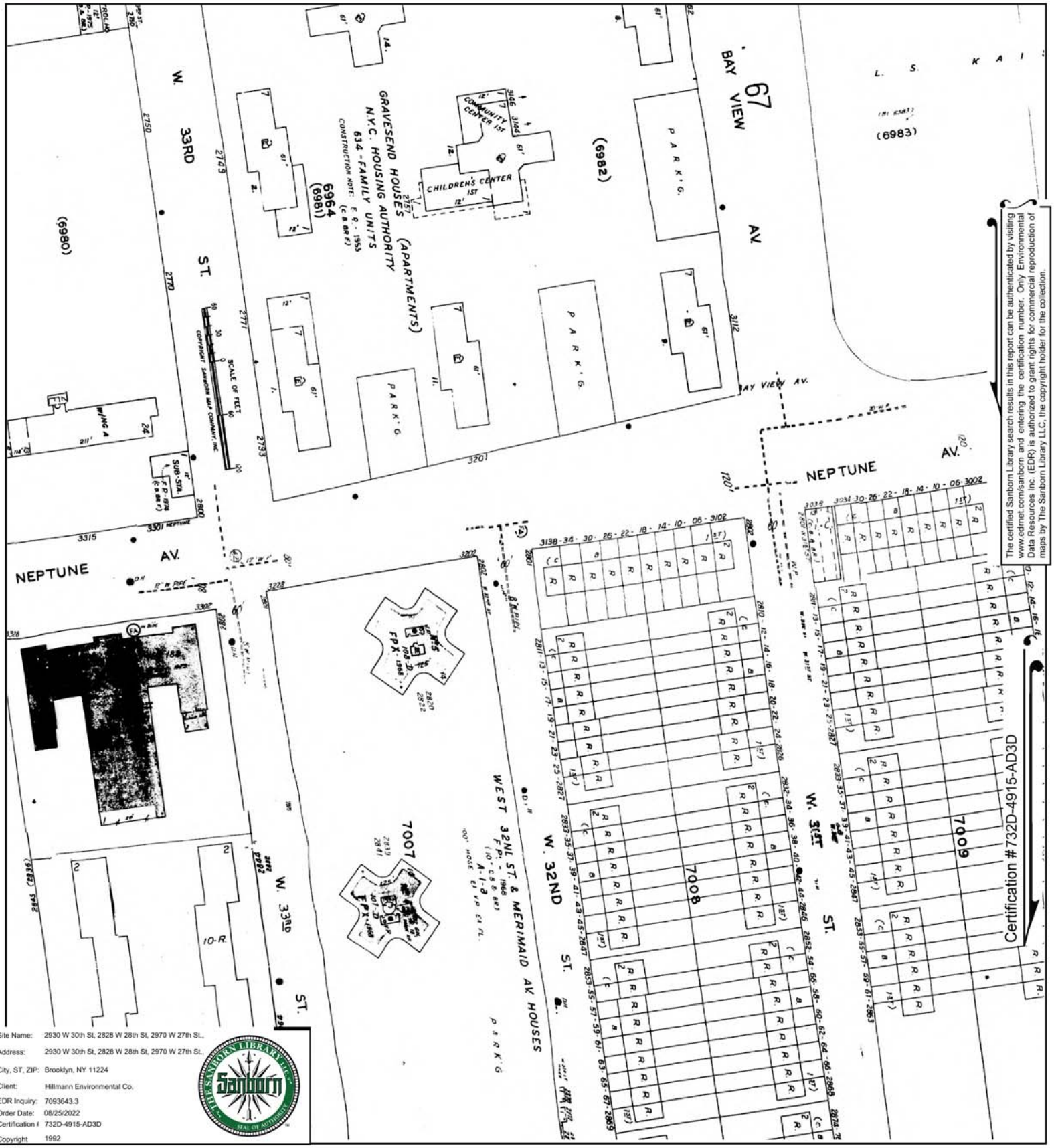

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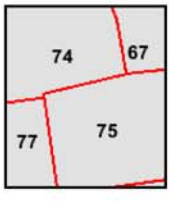

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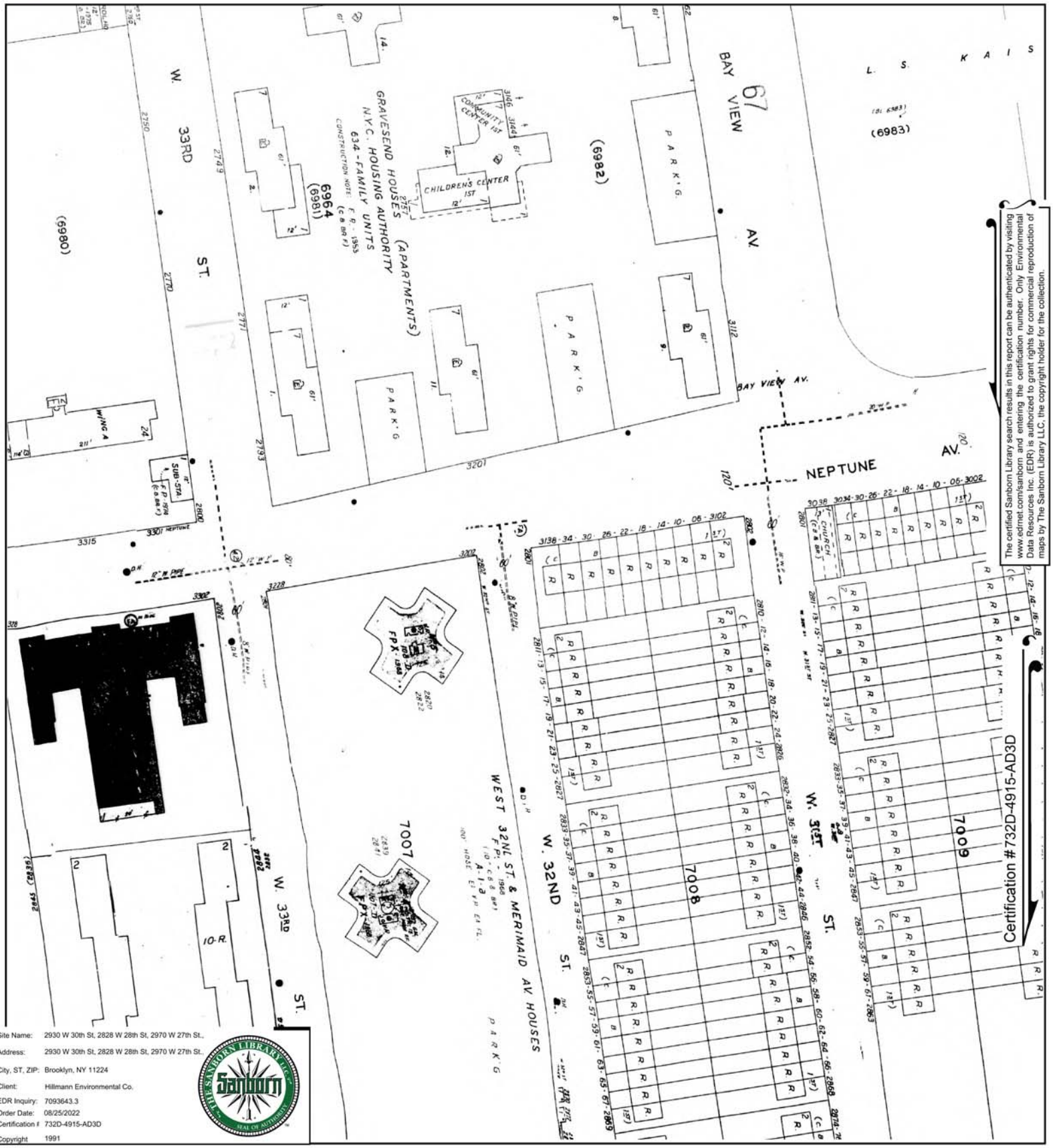

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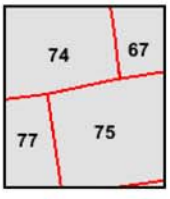

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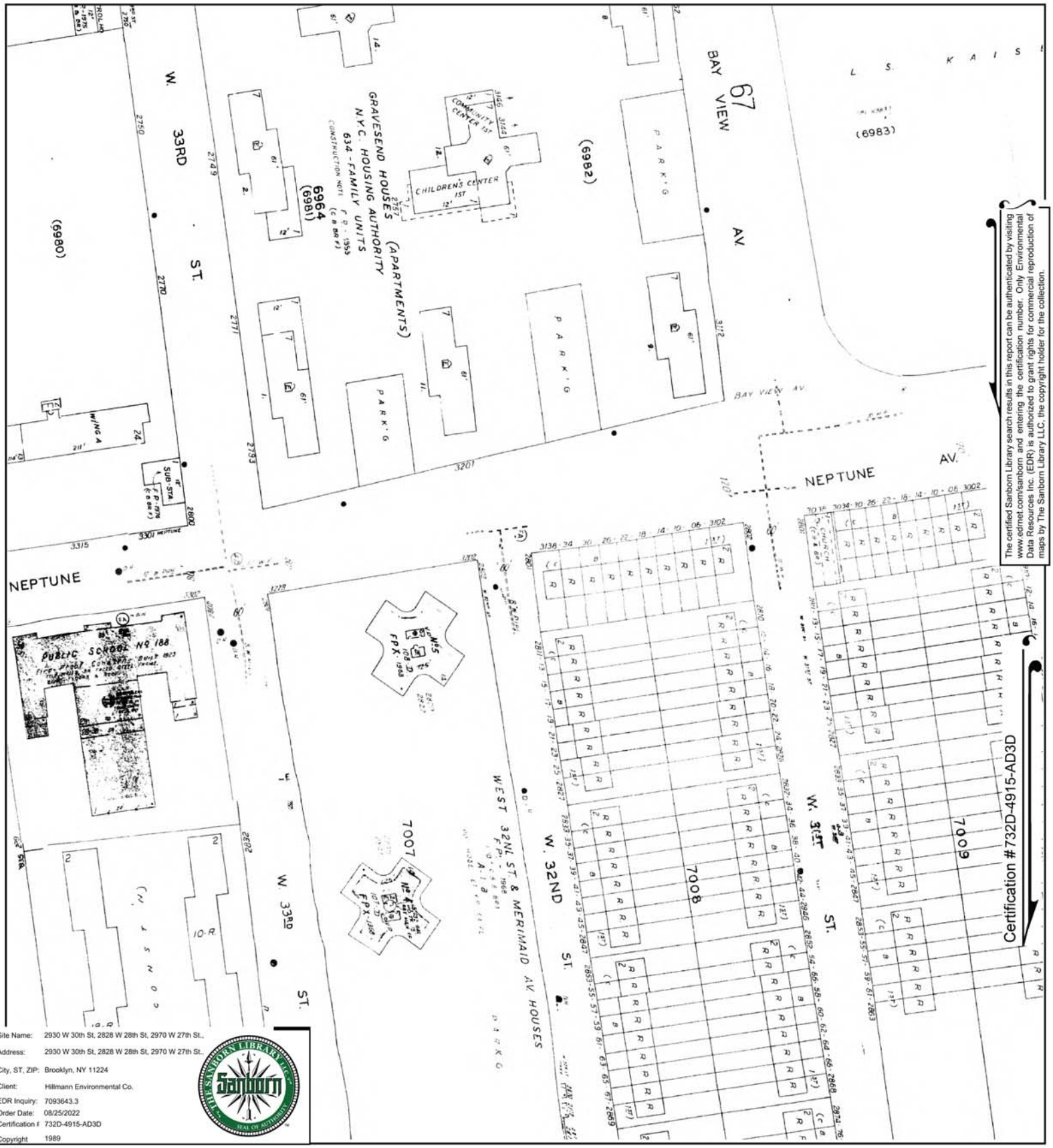

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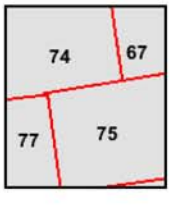

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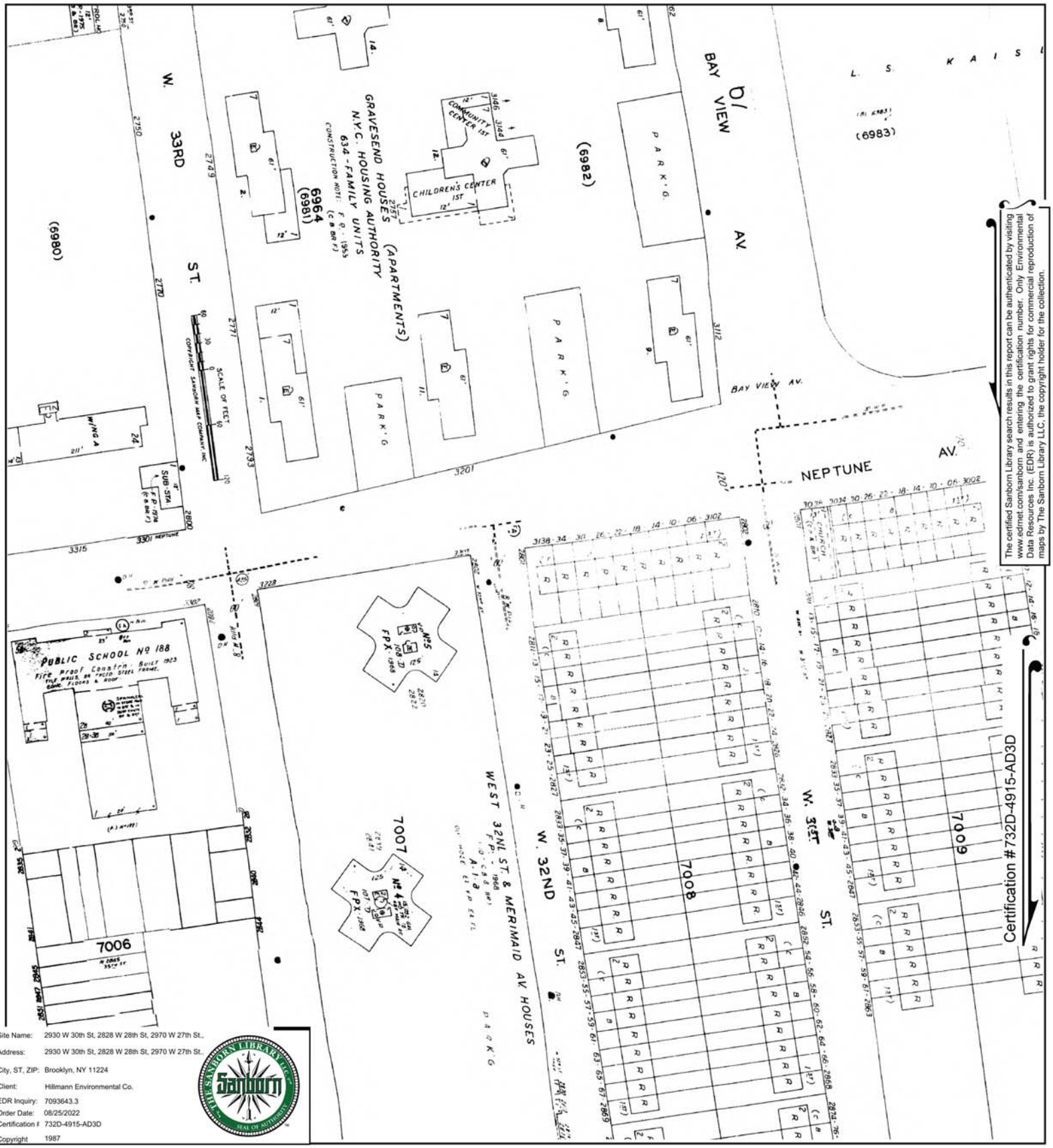

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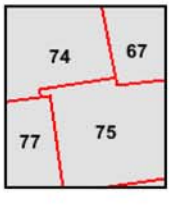

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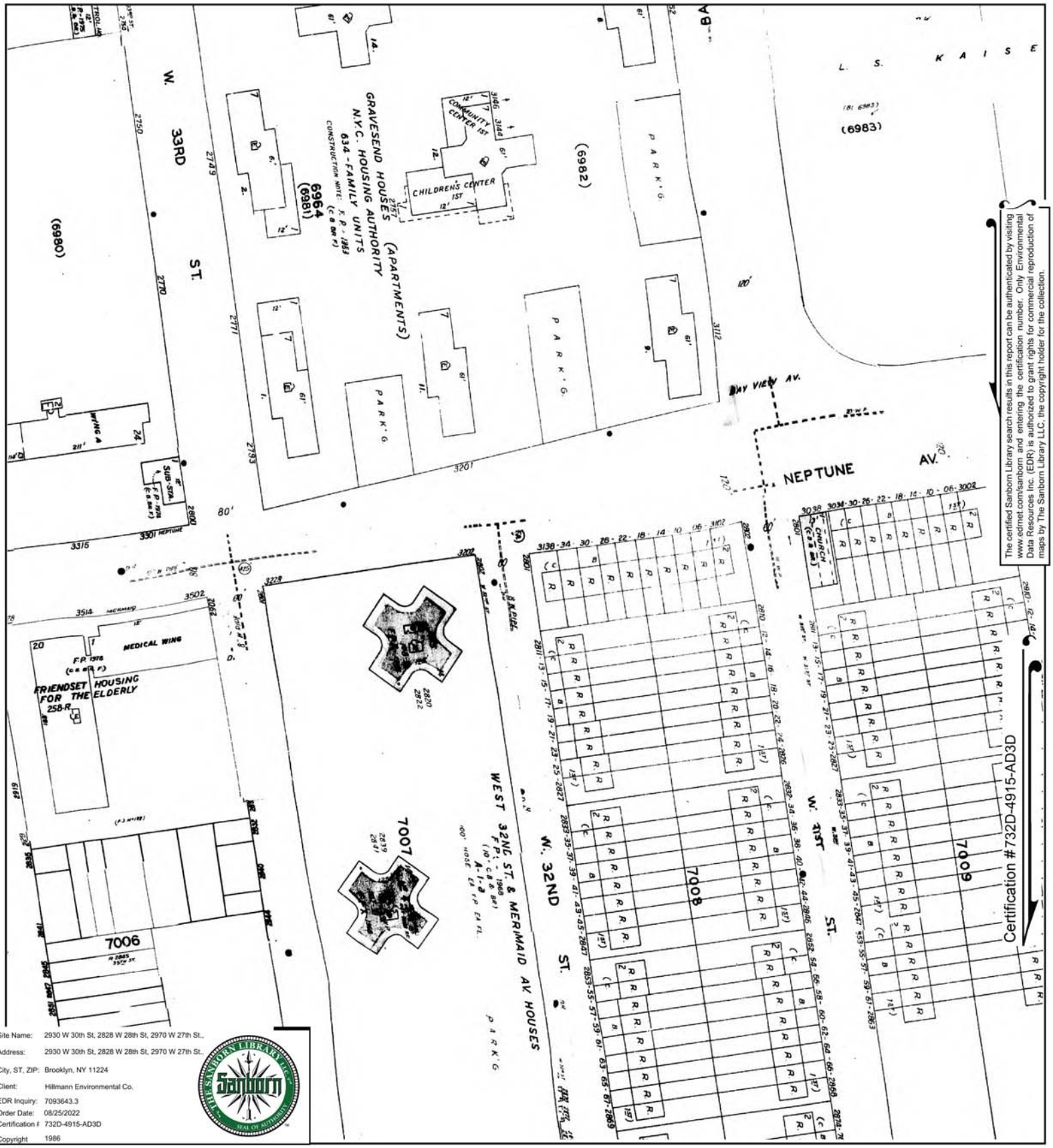
1986



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City, ST, ZIP: Brooklyn, NY 11224
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Certification #: 732D-4915-AD3D
Copyright: 1986

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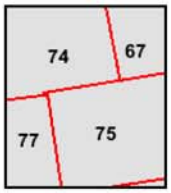

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Volume 18, Sheet 74
Volume 18, Sheet 67

0 Feet 150 300 600

N

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Certification #732D-4915-AD3D

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Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1983

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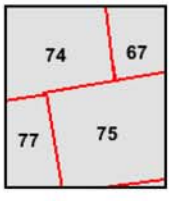

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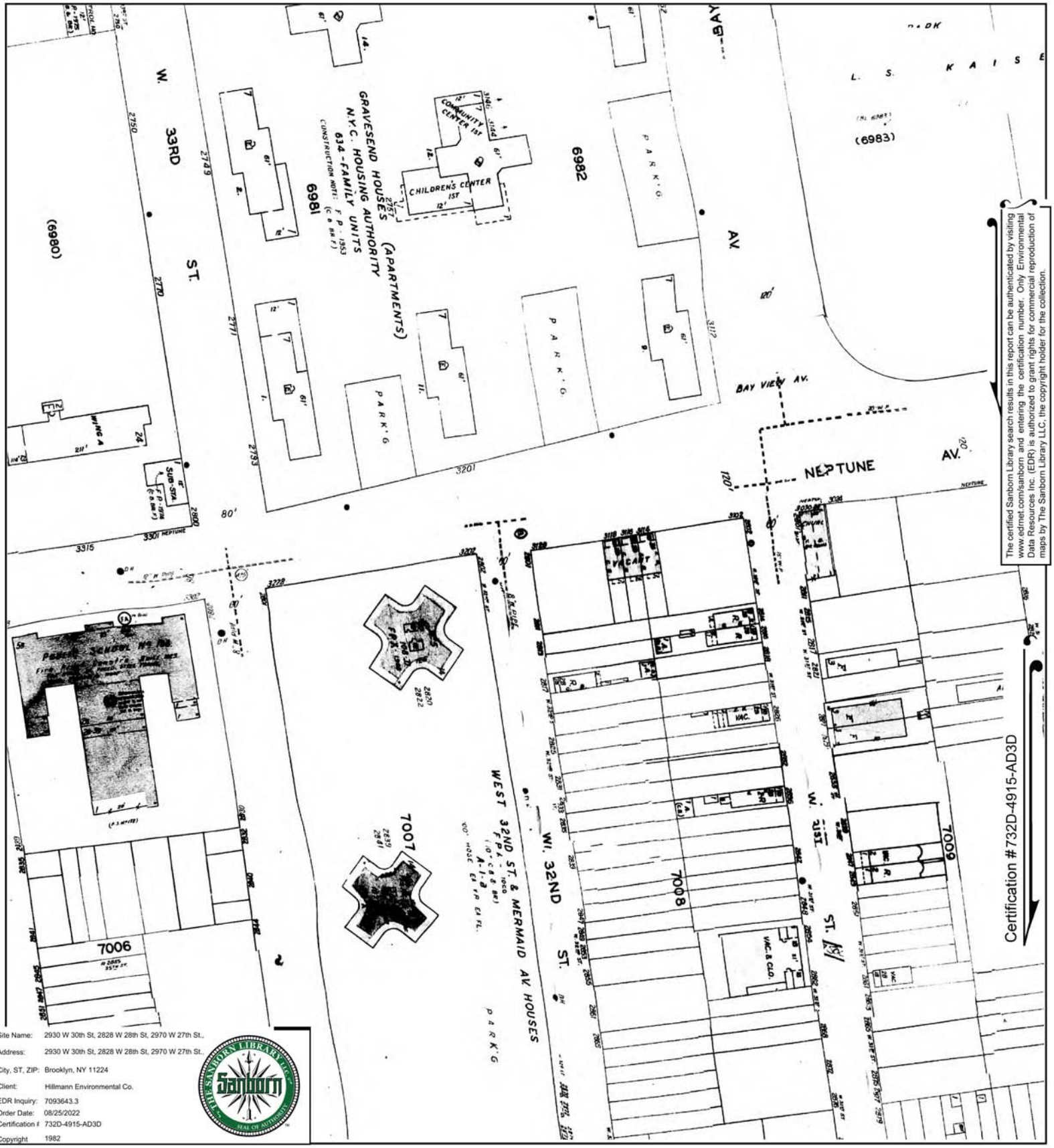
0 Feet 150 300 600

N



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Copyright 1982

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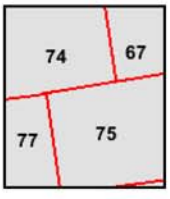

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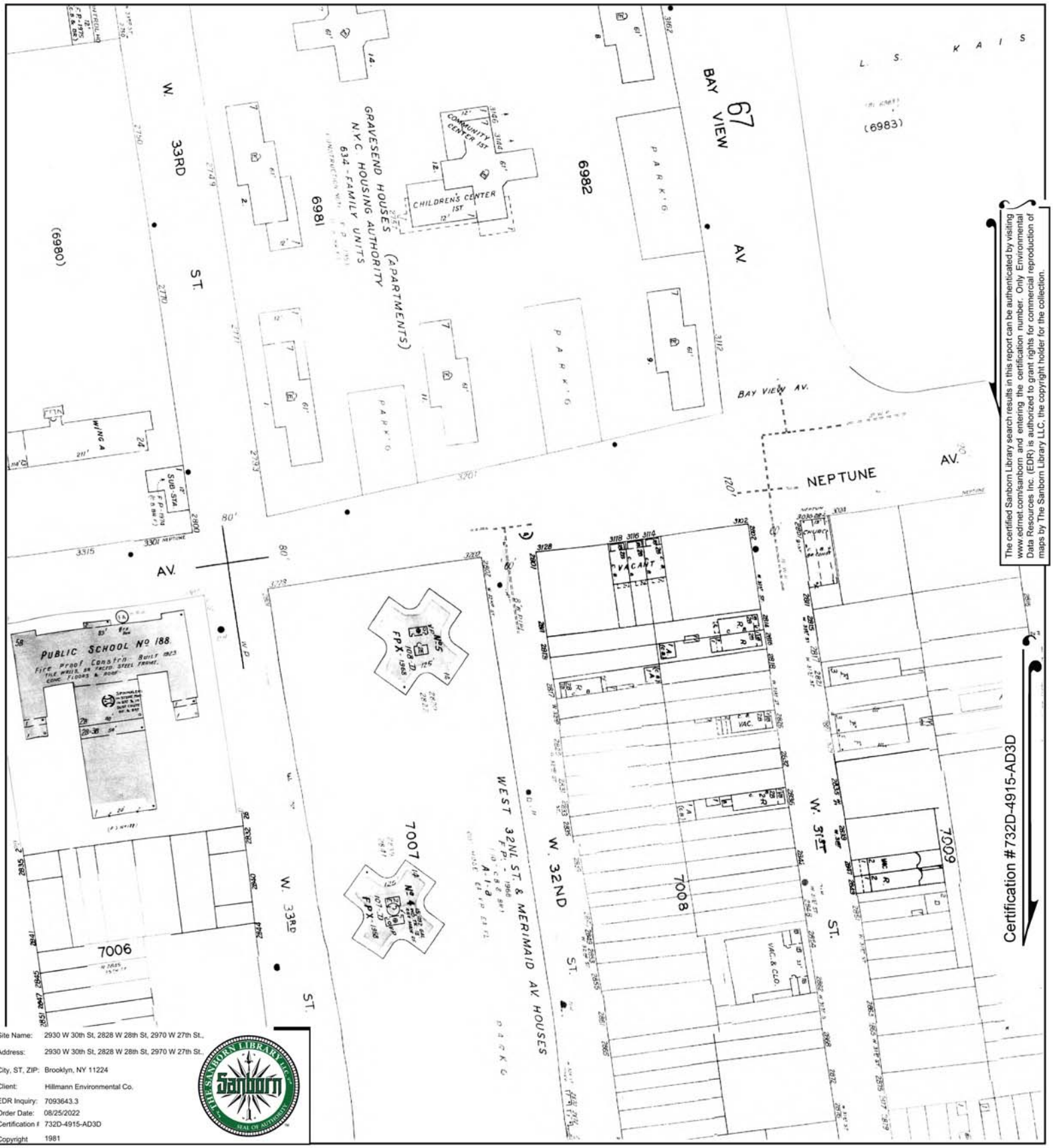
N

Certified Sanborn® Map

1981



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Copyright 1981

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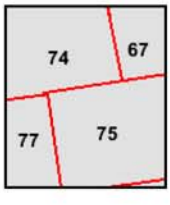

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0 Feet 150 300 600

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Copyright 1980

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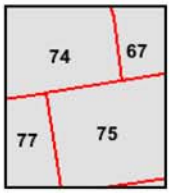

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Copyright	1979

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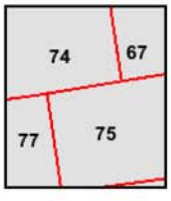

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Copyright 1977

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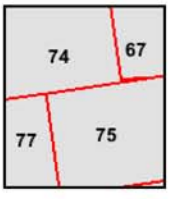

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N

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1968

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Copyright: 1968

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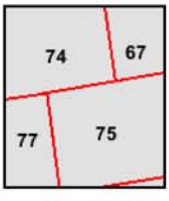

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Copyright 1966

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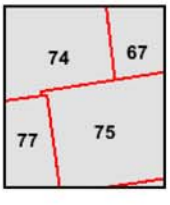

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1950

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Certification #: 732D-4915-AD3D
Copyright 1950

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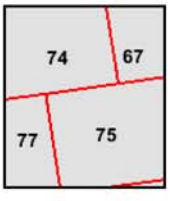

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Copyright 1930

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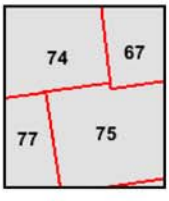

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Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
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Copyright: 1906

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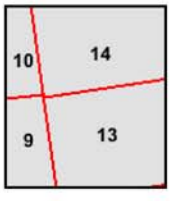

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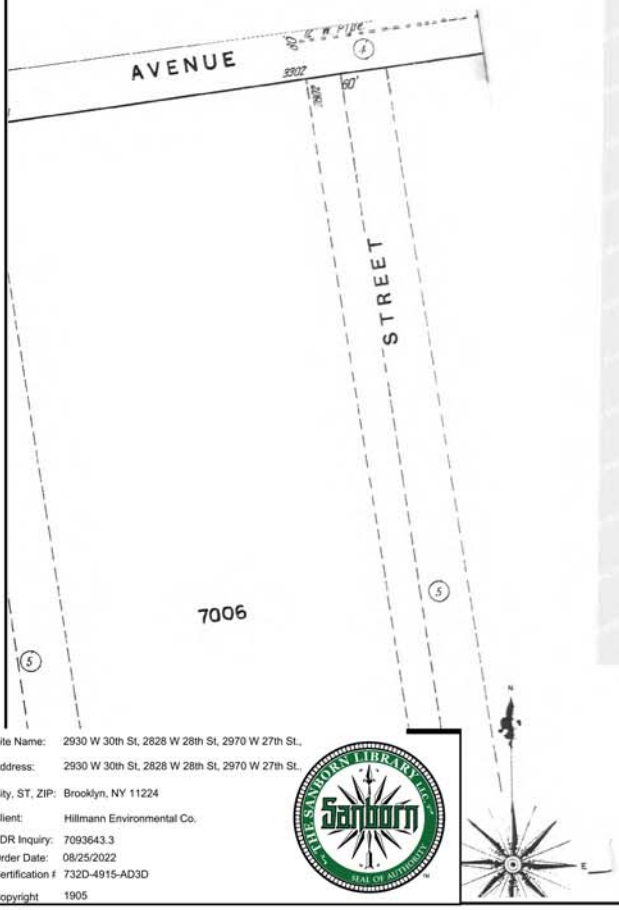

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Certification #: 732D-4915-AD3D
Copyright: 1905

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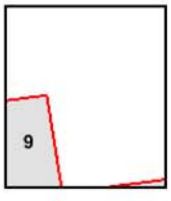

Volume B, Sheet 9

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2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

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Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1983	1950
2006	1994	1982	1930
2005	1993	1981	1906
2004	1992	1980	1905
2003	1991	1979	
2002	1989	1977	
2001	1987	1968	
1996	1986	1966	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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2007 Source Sheets

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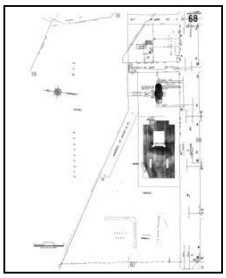
2007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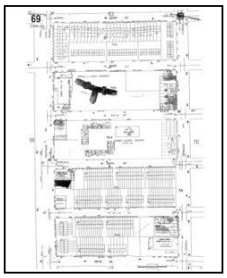
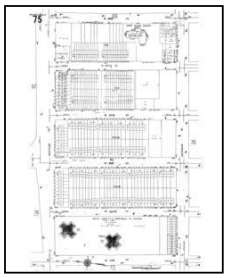
2007


Volume 18, Sheet 69
2007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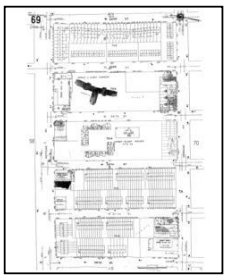
2007

2006 Source Sheets

Volume 18, Sheet 67
2006

Volume 18, Sheet 68
2006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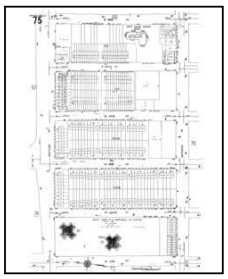
2006


Volume 18, Sheet 75
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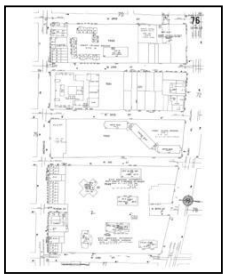
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2006

2005 Source Sheets

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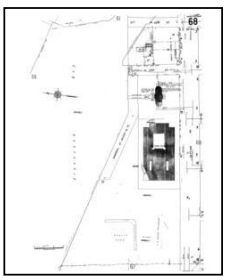
2005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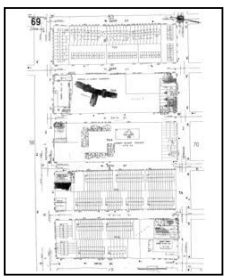
2005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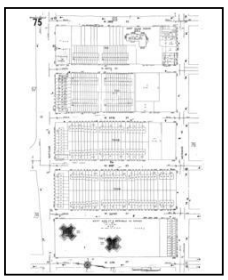
2005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2005

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2004 Source Sheets

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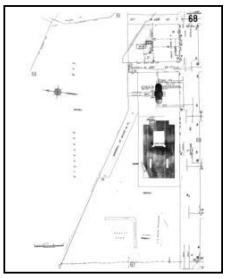
2004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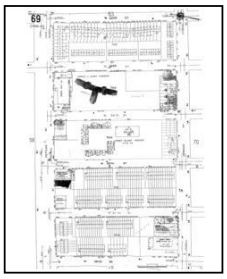
2004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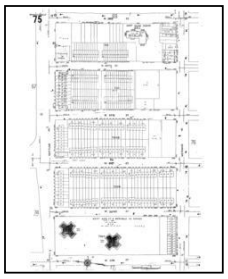
2004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2004

2003 Source Sheets

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2003

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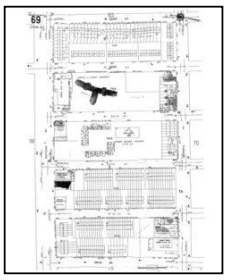
2003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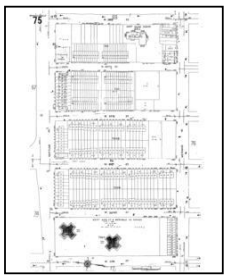
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2002 Source Sheets

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2002

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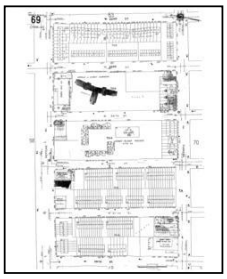
2002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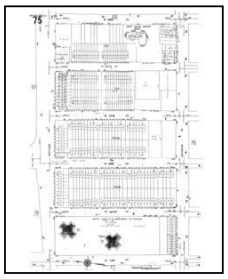
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2001 Source Sheets

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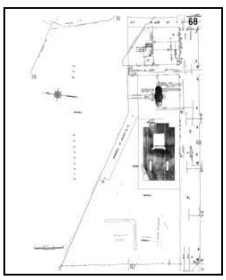
2001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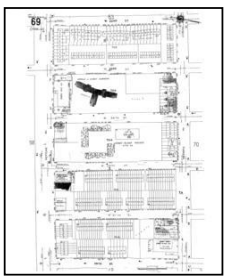
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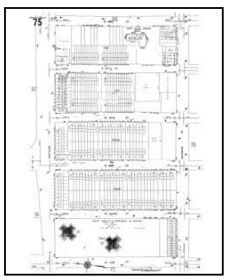
2001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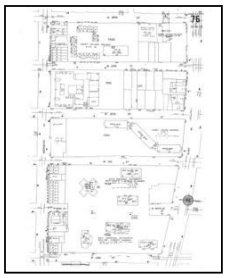
2001

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2001 Source Sheets



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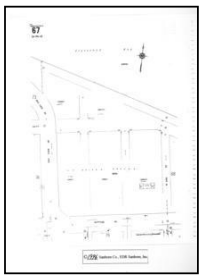
2001

1996 Source Sheets



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1996

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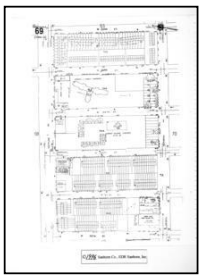
1996



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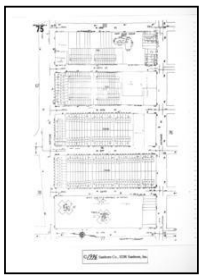
1996



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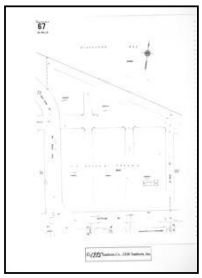
1996

1995 Source Sheets



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1995

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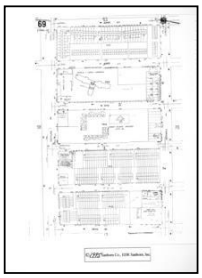
1995



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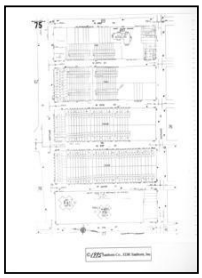

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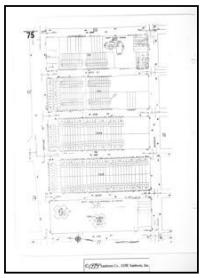
1995

1994 Source Sheets



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1994

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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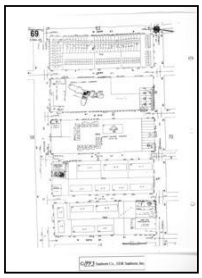
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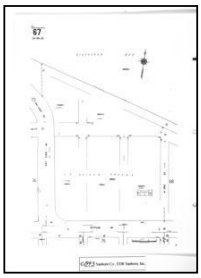
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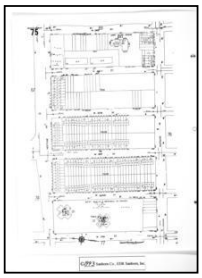
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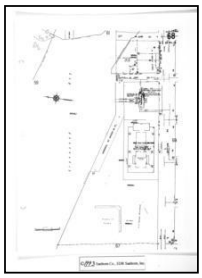
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1993

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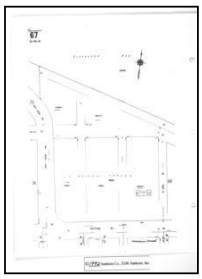
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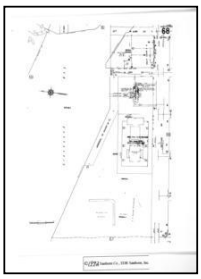
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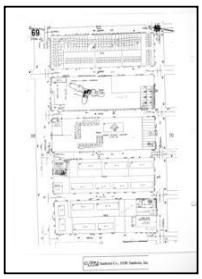
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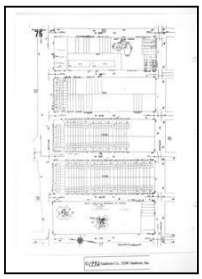
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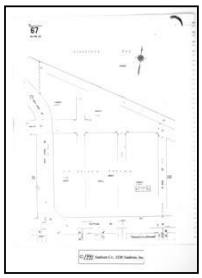
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Volume 18, Sheet 68
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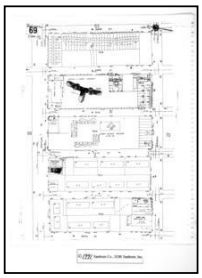
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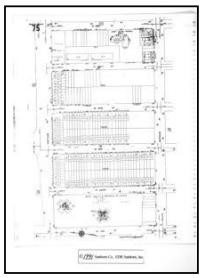
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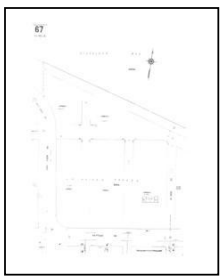
1991

1989 Source Sheets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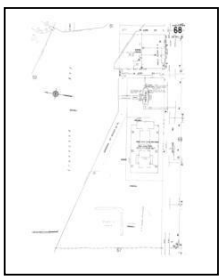
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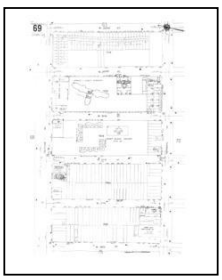
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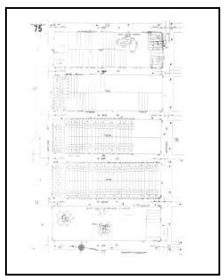
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1989

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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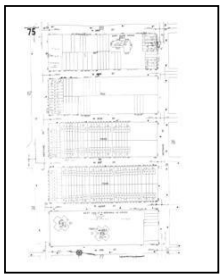
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1987

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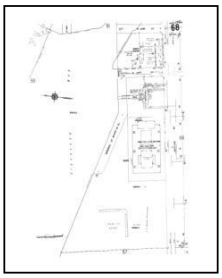
1987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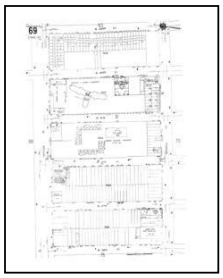
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1987

1986 Source Sheets

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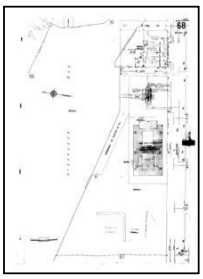
1986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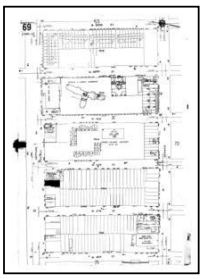
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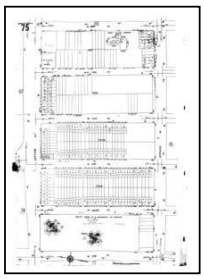
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1986

1983 Source Sheets

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1983

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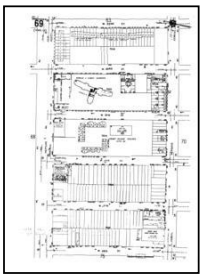
1983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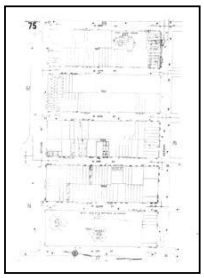
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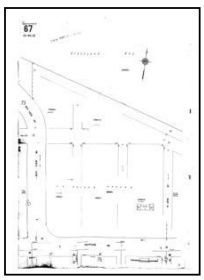
1983

1982 Source Sheets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1982

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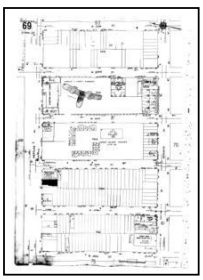
1982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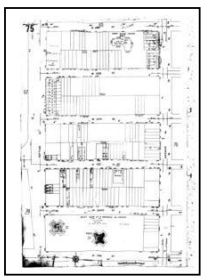
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1982

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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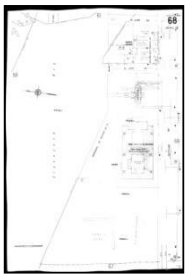
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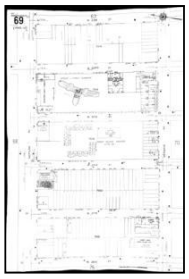
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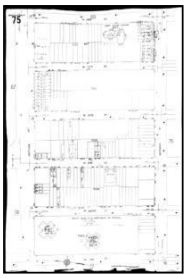
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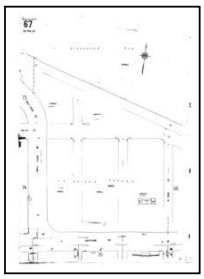
1981

1980 Source Sheets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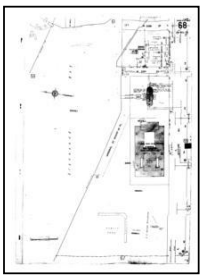
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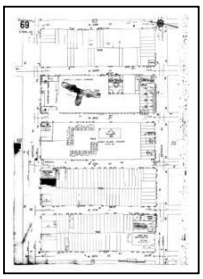
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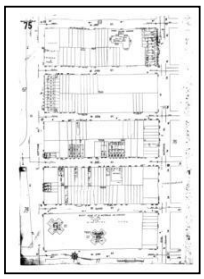
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1980

1979 Source Sheets

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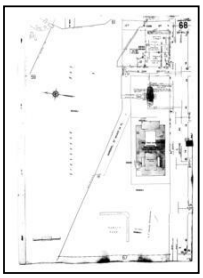
1979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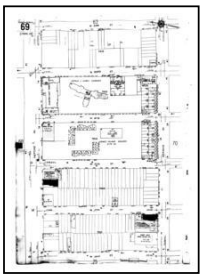
1979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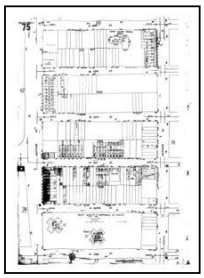
Volume 18, Sheet 75
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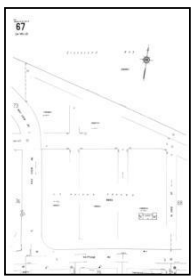
1977 Source Sheets


Volume 18, Sheet 67
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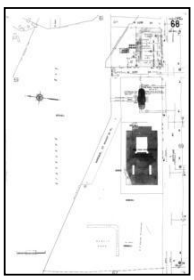
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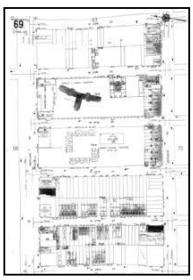
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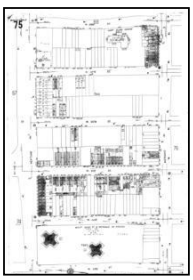
Volume 18, Sheet 75
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Sanborn Sheet Key

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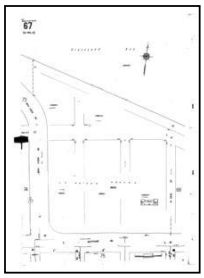
1968 Source Sheets


Volume 18, Sheet 67
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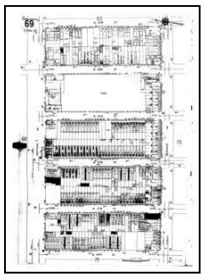
Volume 18, Sheet 68
1968


Volume 18, Sheet 69
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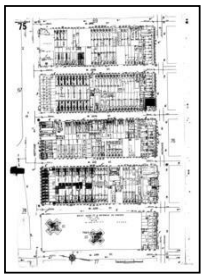
Volume 18, Sheet 75
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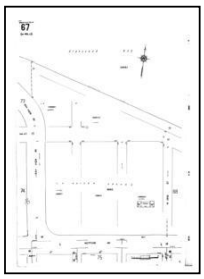
1966 Source Sheets


Volume 18, Sheet 67
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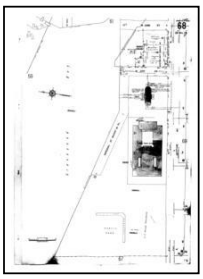
Volume 18, Sheet 68
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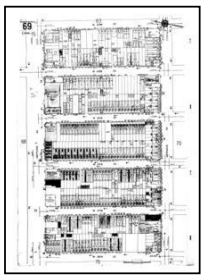
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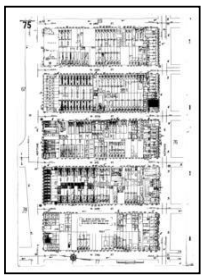
Volume 18, Sheet 75
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1950 Source Sheets

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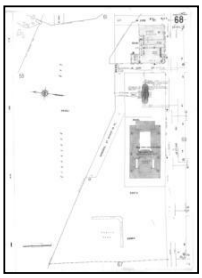
1950


Volume 18, Sheet 68
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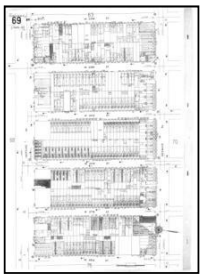
Volume 18, Sheet 69
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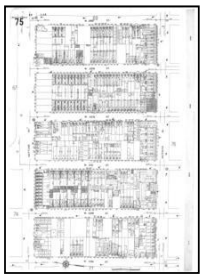
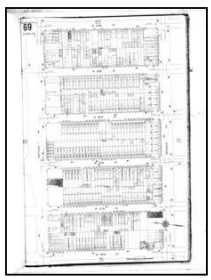

Volume 18, Sheet 75
1950

1930 Source Sheets

Volume 18, Sheet 68
1930


Volume 18, Sheet 69
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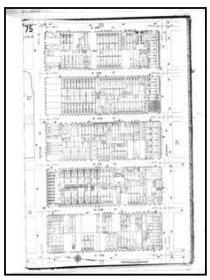
Volume 18, Sheet 75
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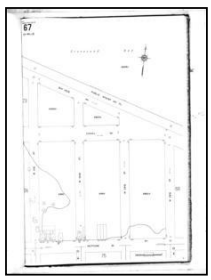
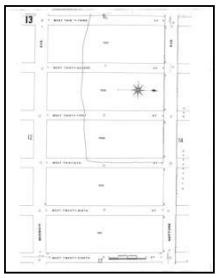

Volume 18, Sheet 67
1930

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1906 Source Sheets



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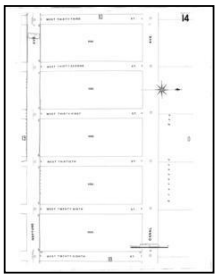
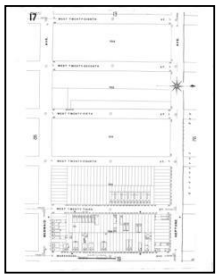
1906



Volume 13, Sheet 14
1906



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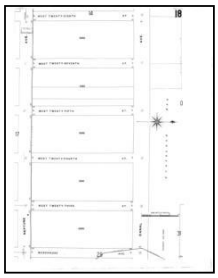

Volume 13, Sheet 18
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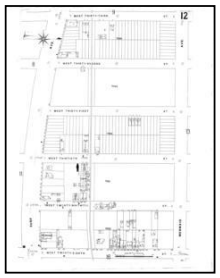

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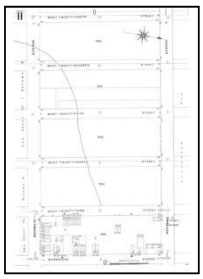
1906

1905 Source Sheets



Volume B, Sheet 11
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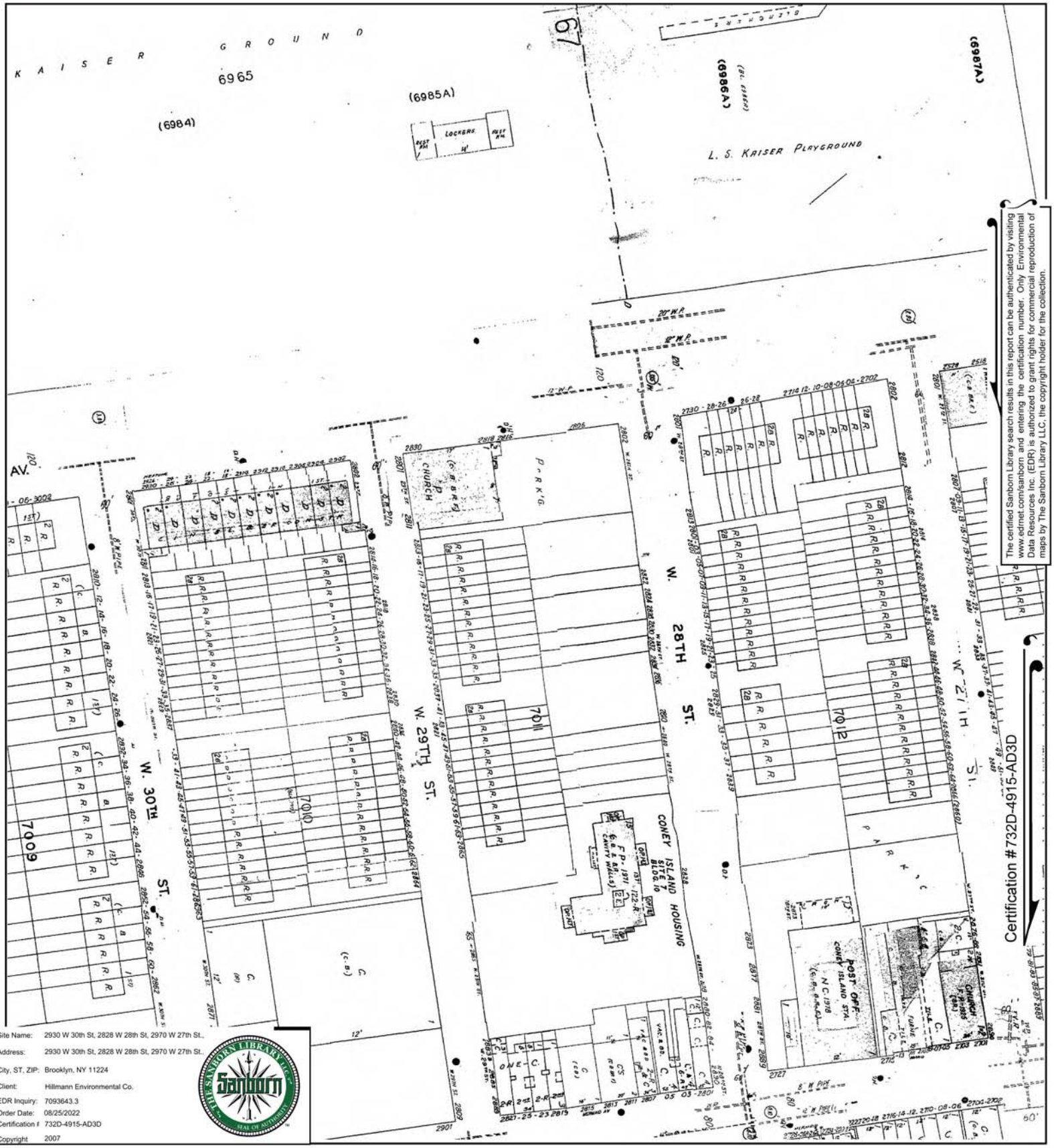

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Client:	Hillmann Environmental Co.
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Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	2007

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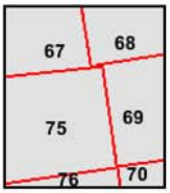

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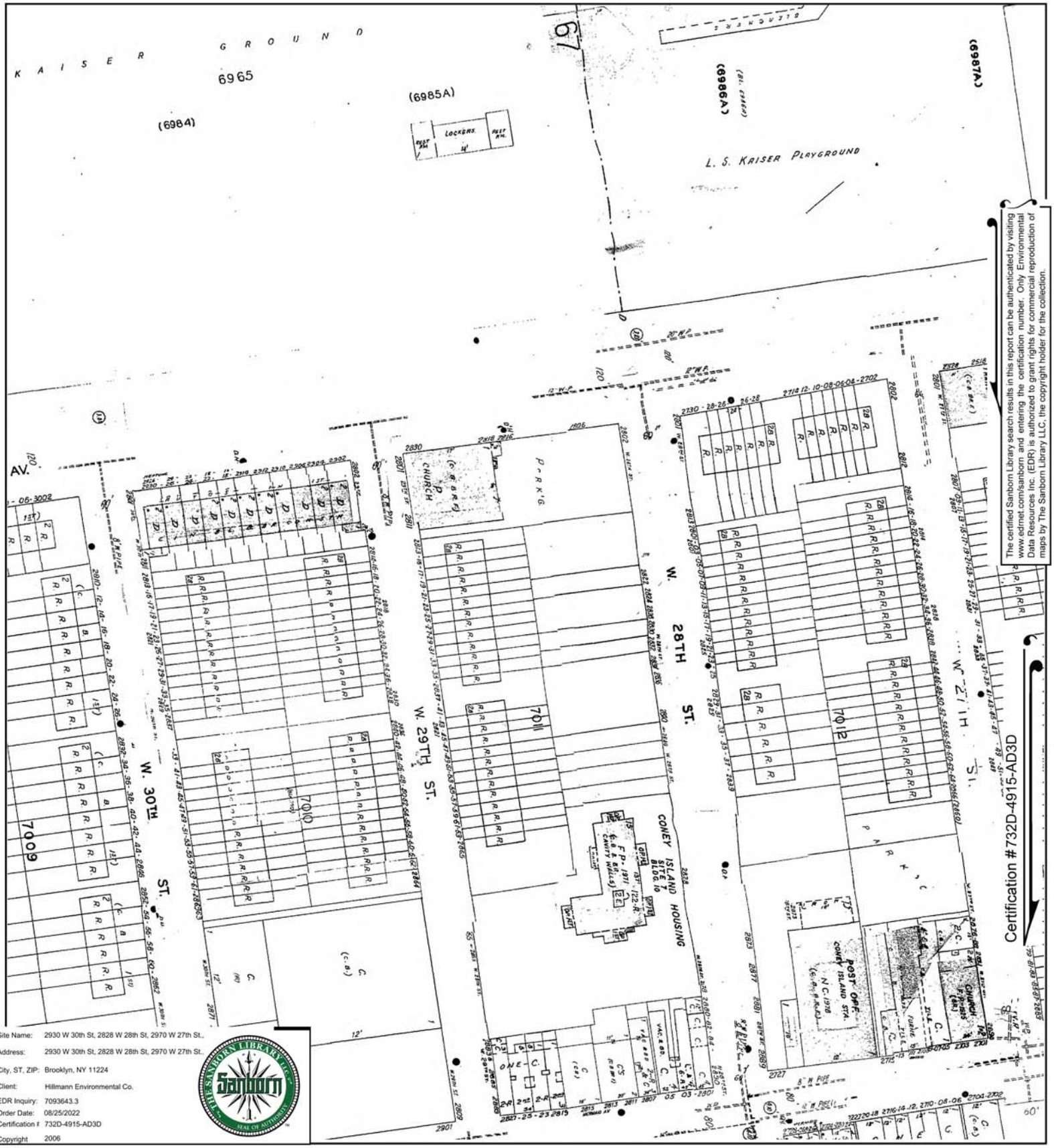
0 Feet 150 300 600

N

Certified Sanborn® Map

2006



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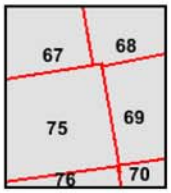

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0 Feet 150 300 600

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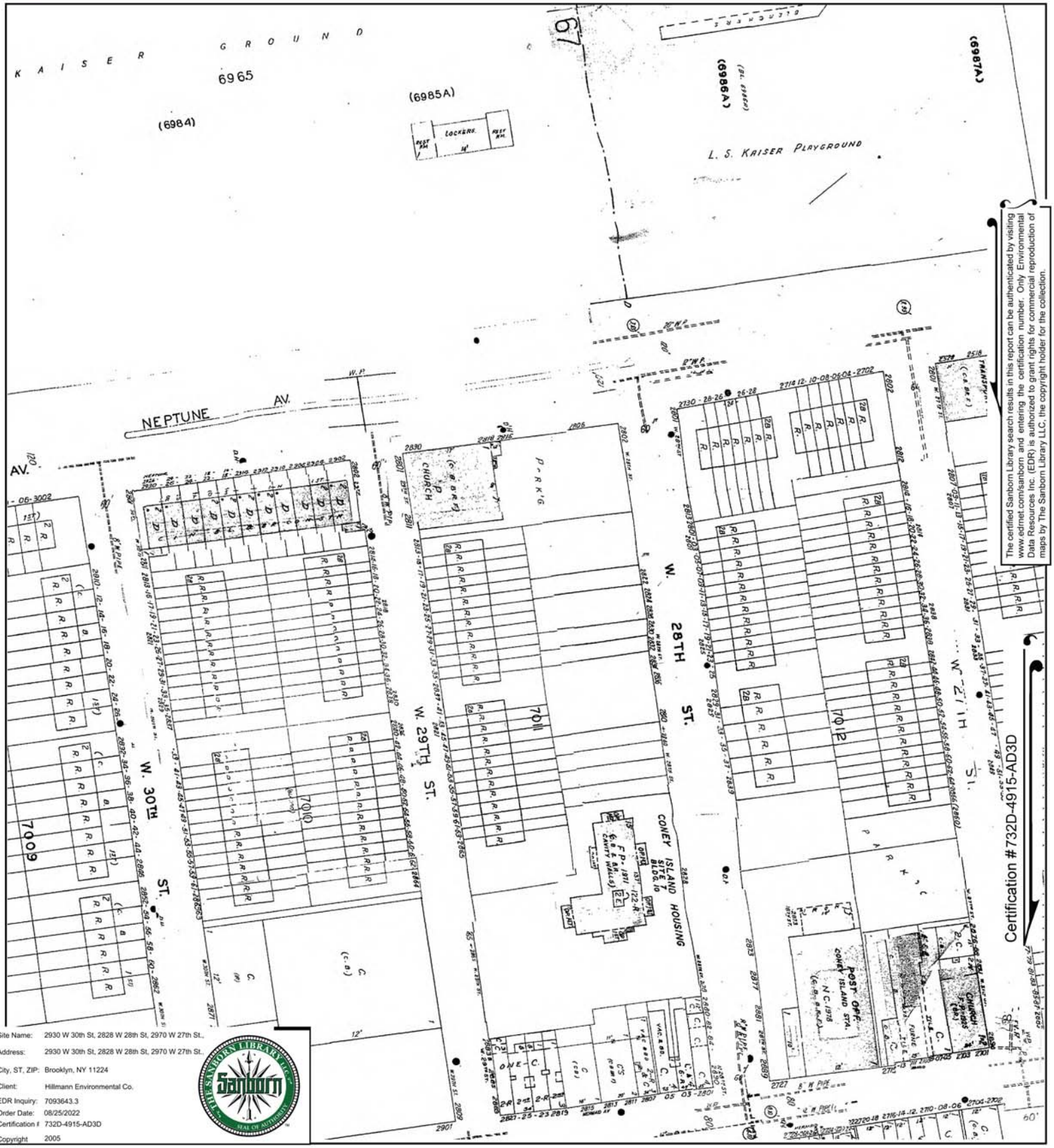

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Client:	Hillmann Environmental Co.
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Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	2005

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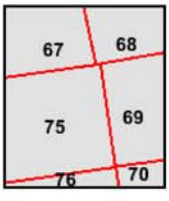

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0 Feet 150 300 600

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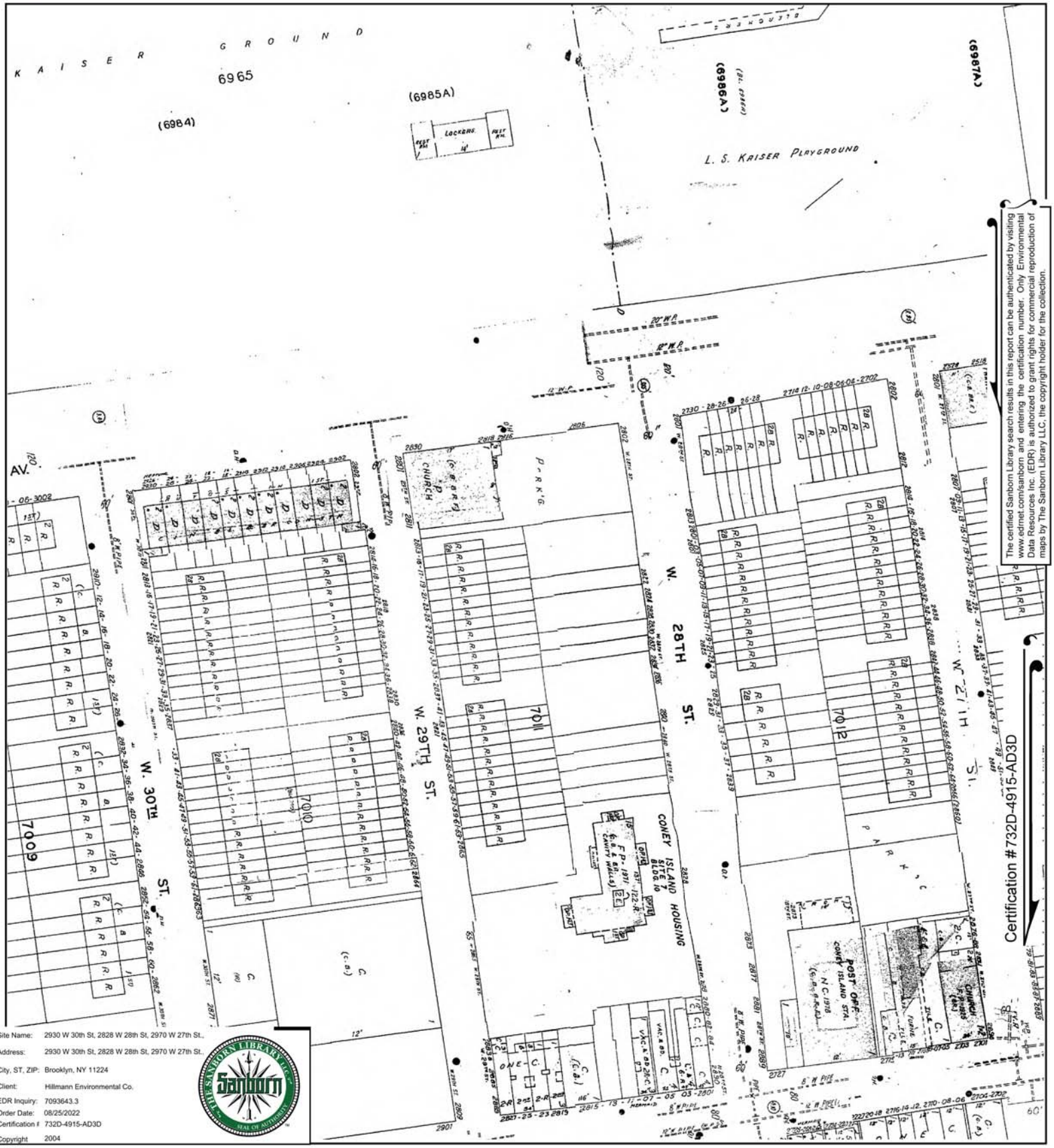
Certified Sanborn® Map

2004



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Certification #	732D-4915-AD3D
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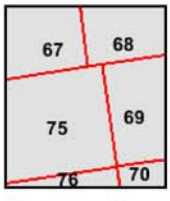

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0 Feet 150 300 600

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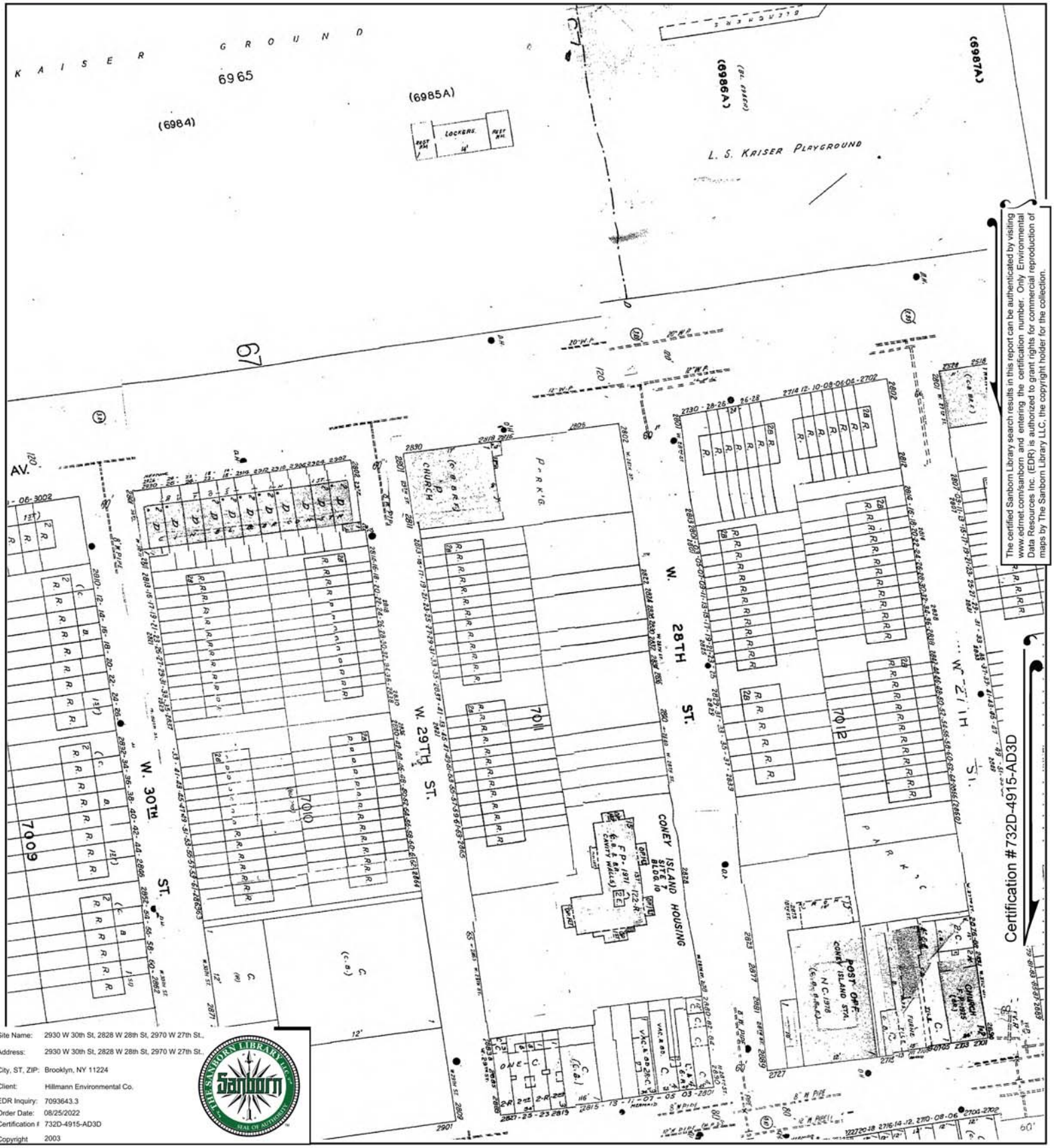
Certified Sanborn® Map

2003



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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	2003

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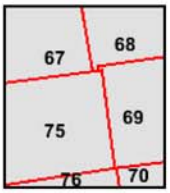

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Volume 18, Sheet 67

0 Feet 150 300 600

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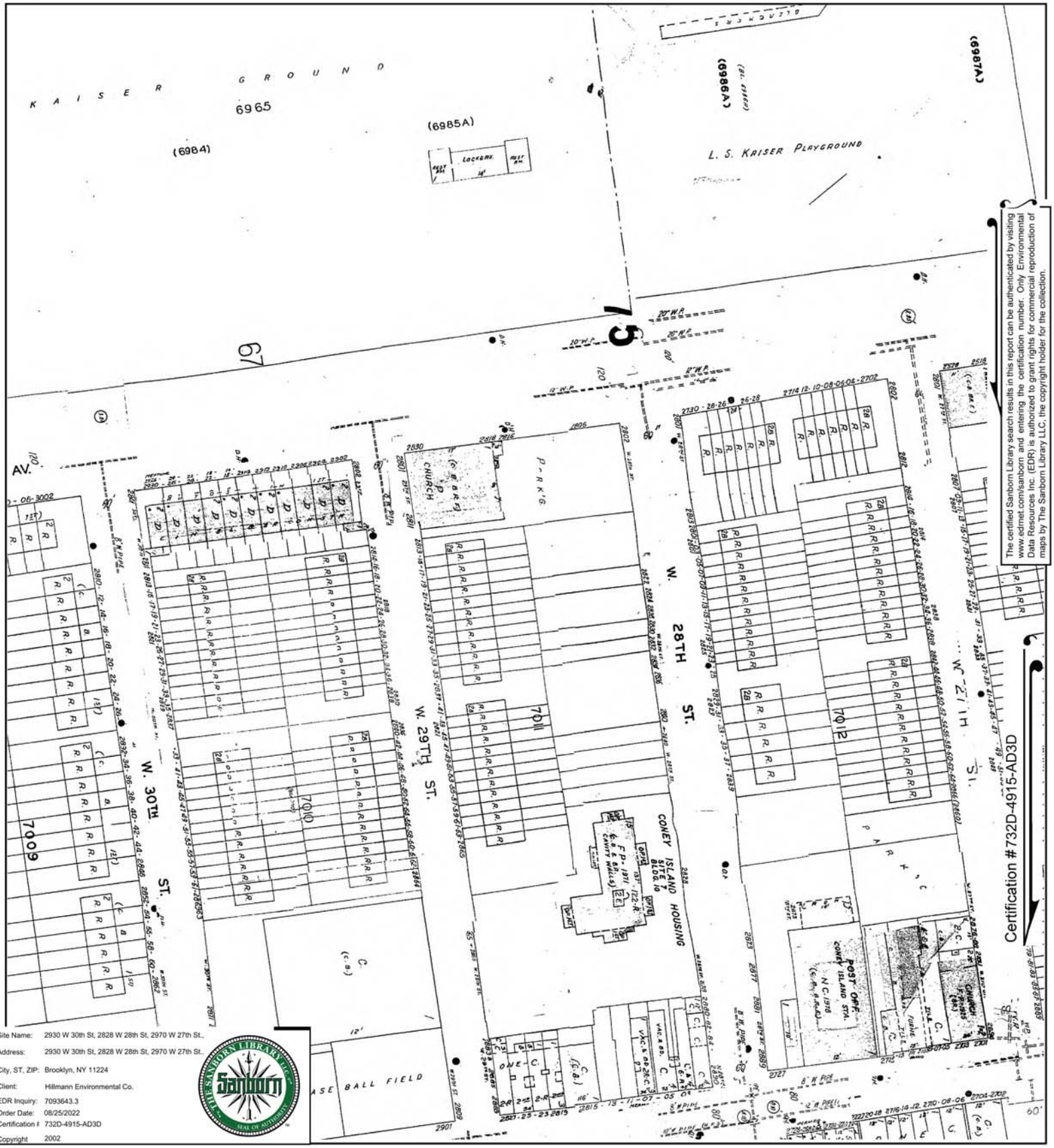

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 2002

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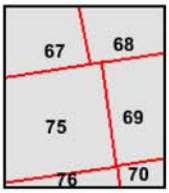

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Volume 18, Sheet 67

0 Feet 150 300 600

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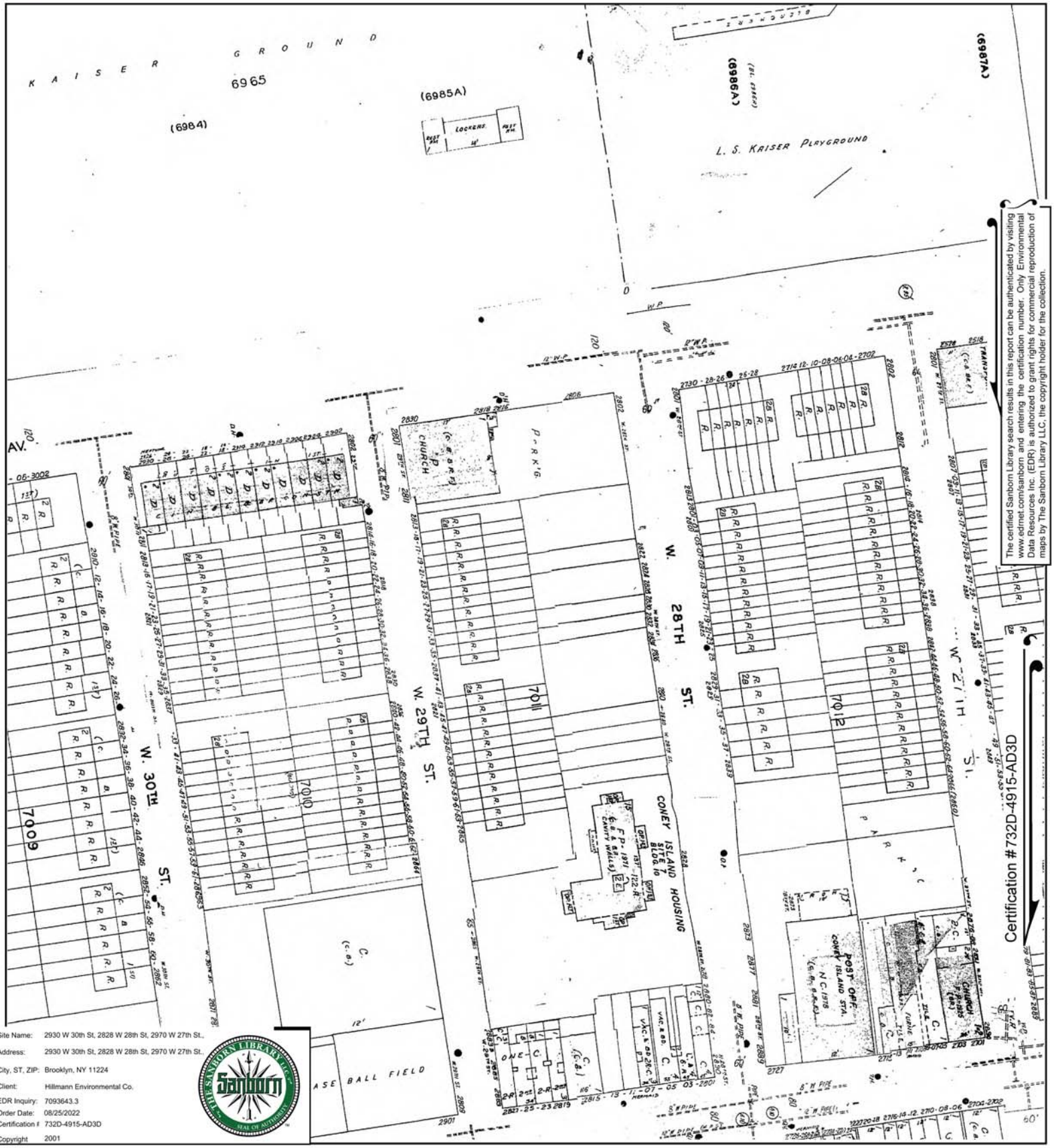

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Client: Hillmann Environmental Co.
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Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 2001

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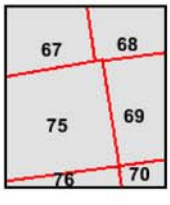

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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1996

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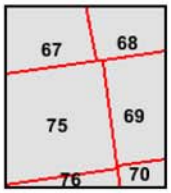

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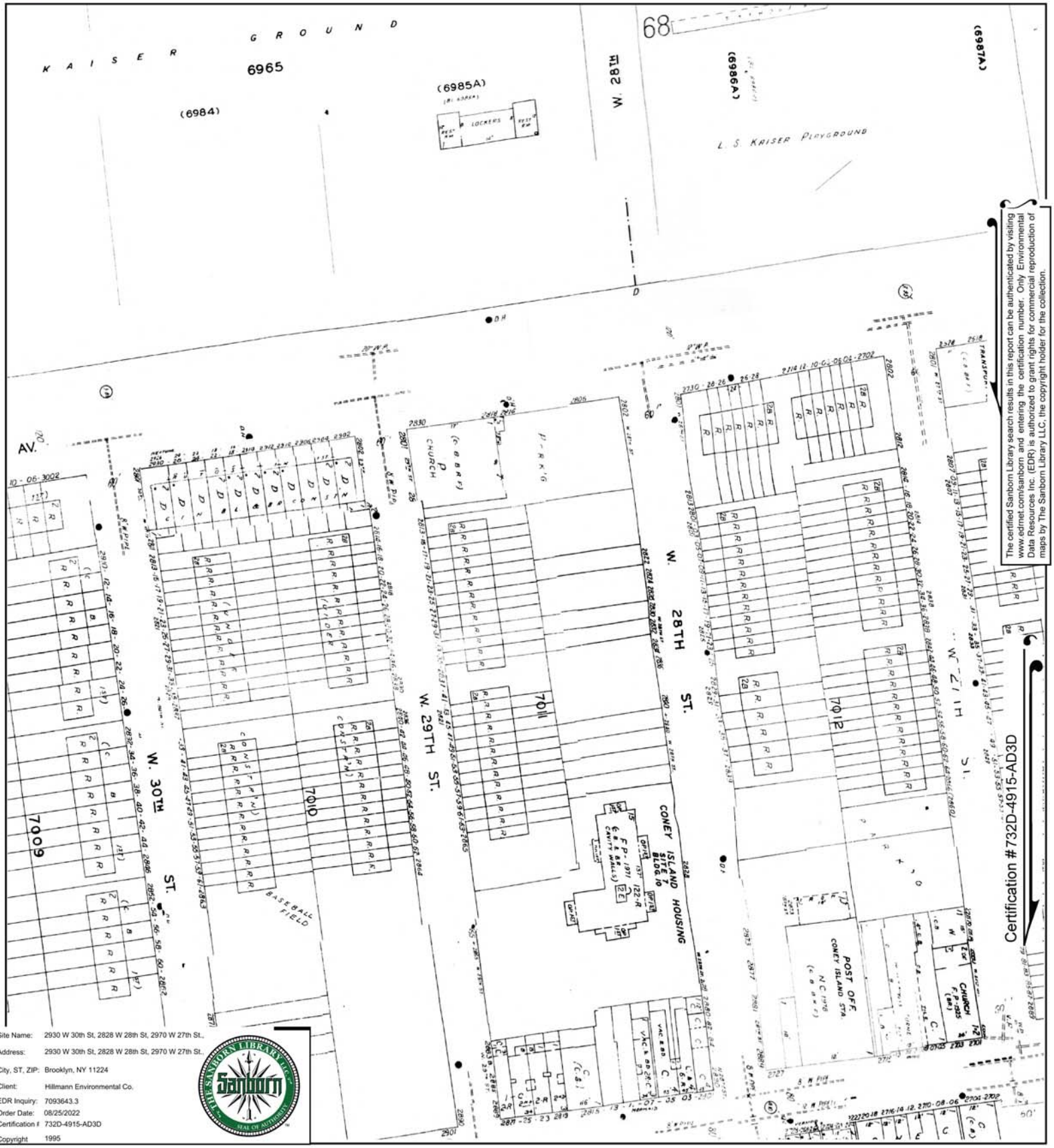

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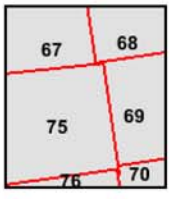

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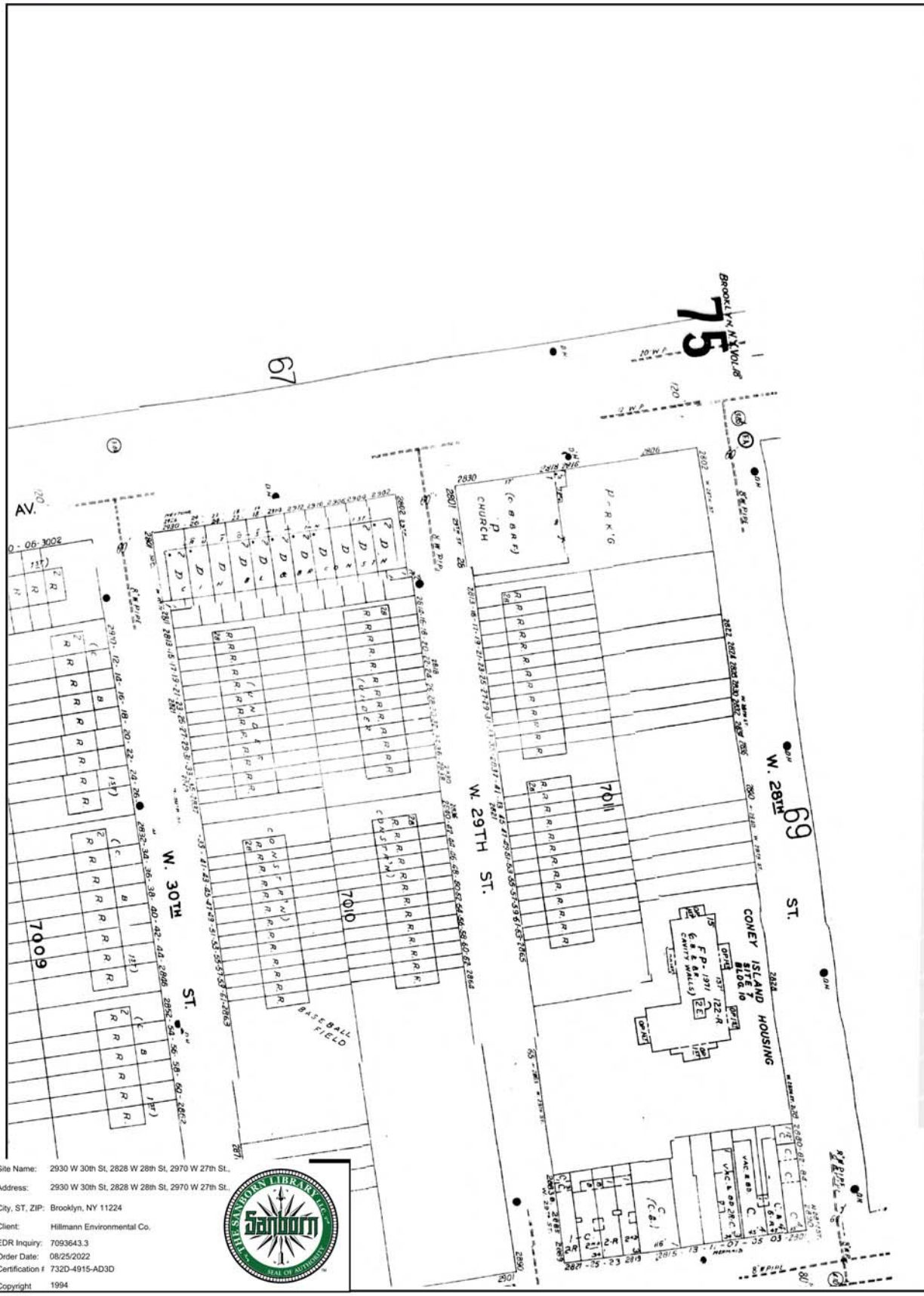

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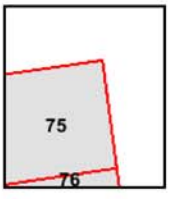

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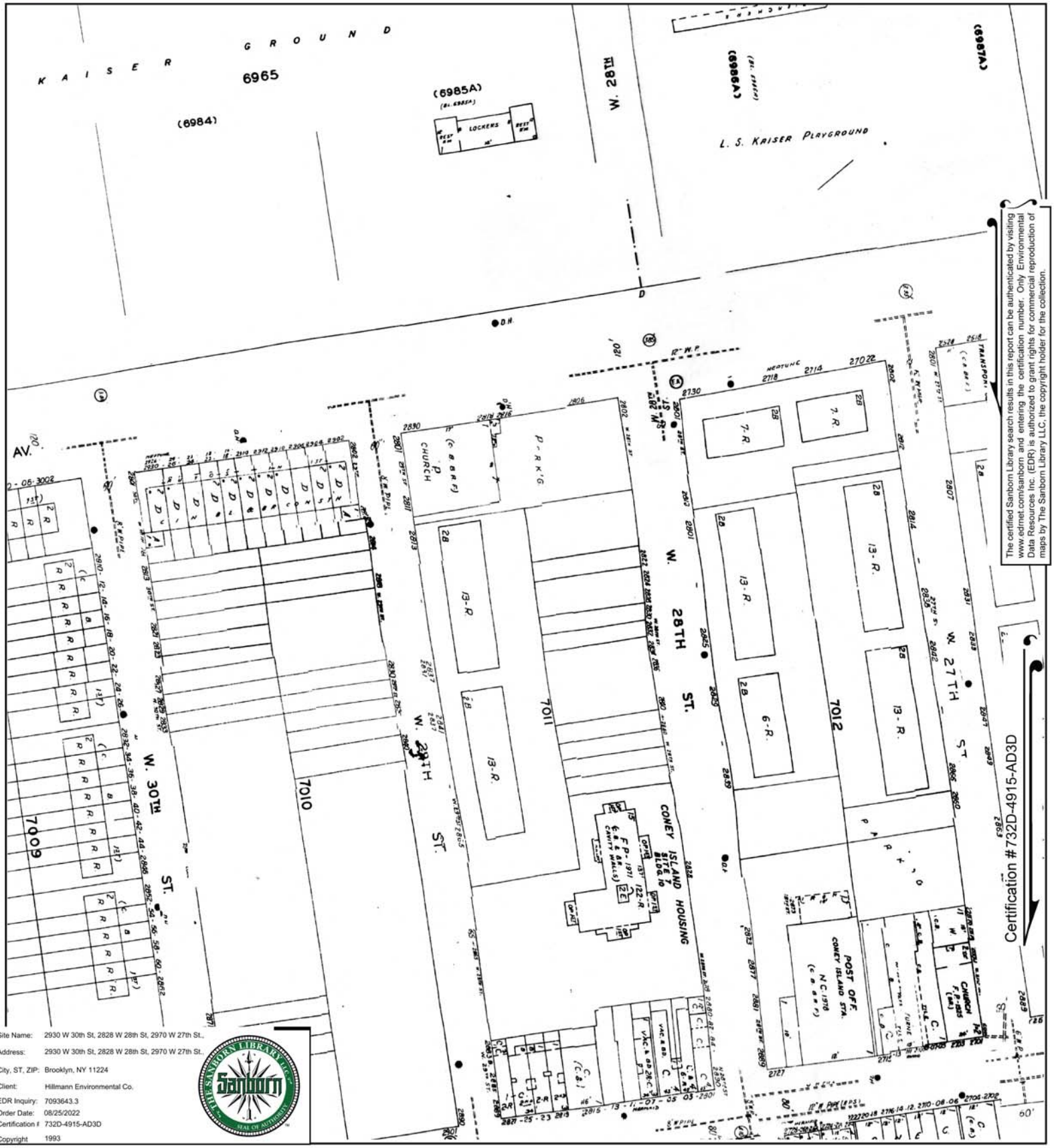

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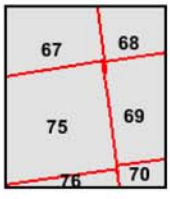

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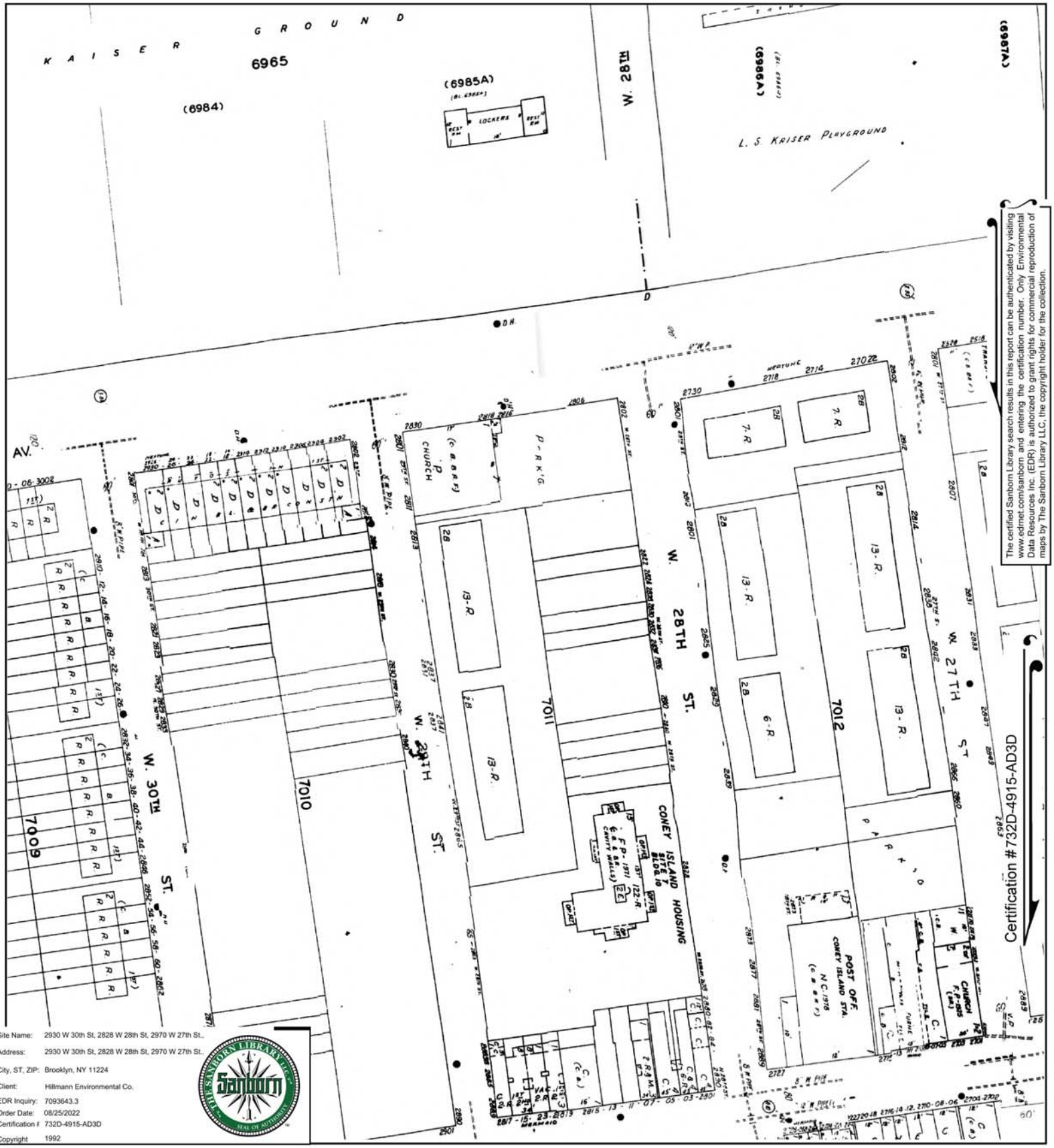
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P-R-K'G.
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W. 27TH ST
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7012
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BLDG 10
POST OFF.
CONEY ISLAND STA.
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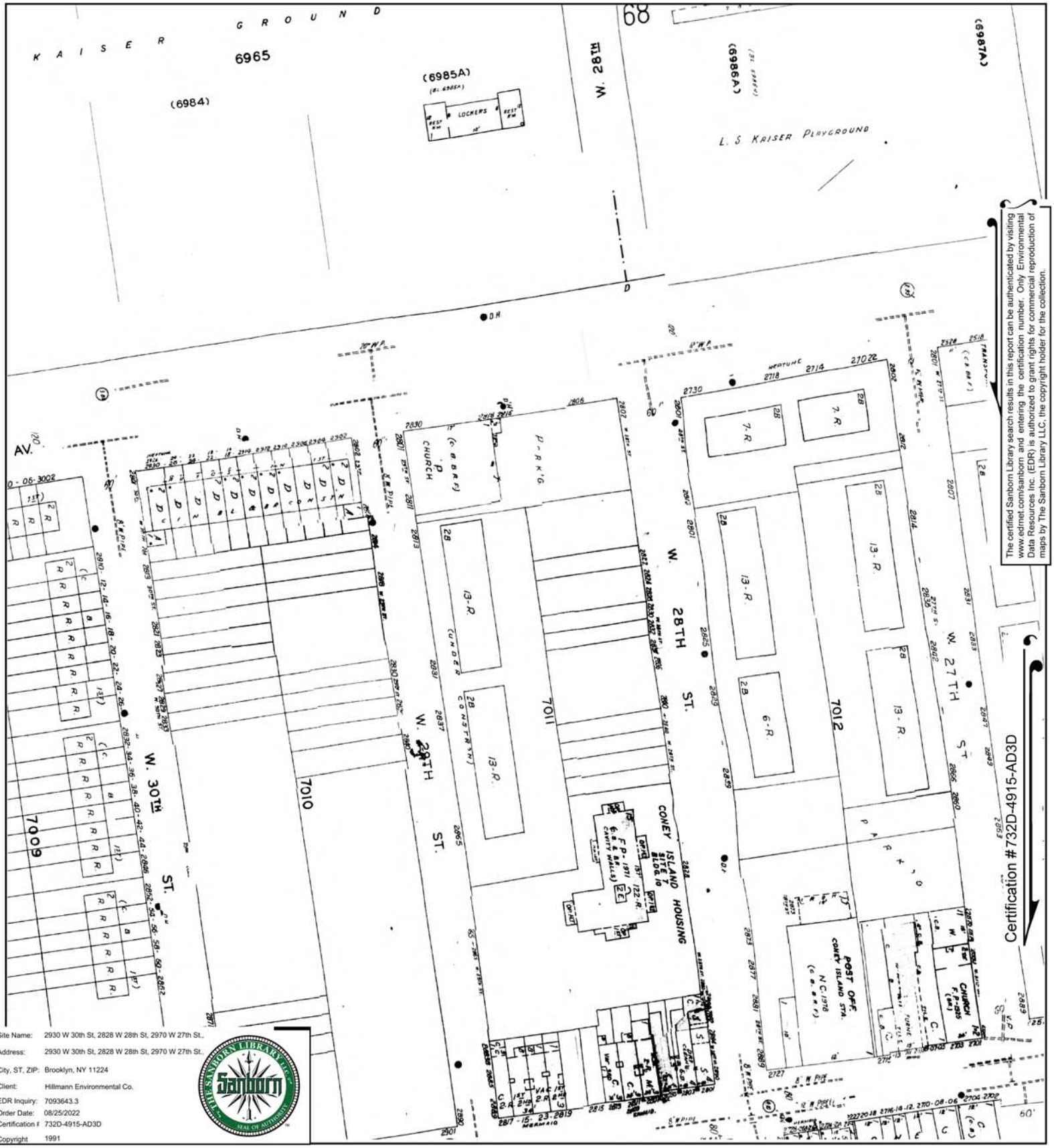
1991



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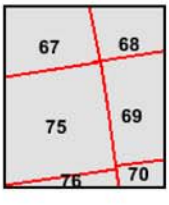

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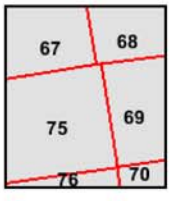

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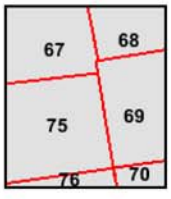

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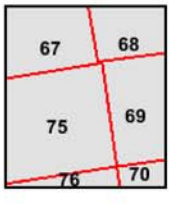

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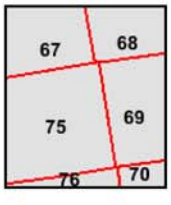

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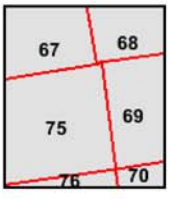

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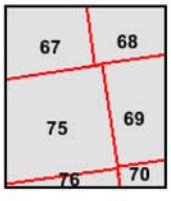

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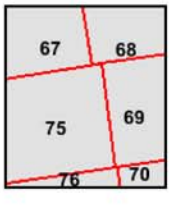

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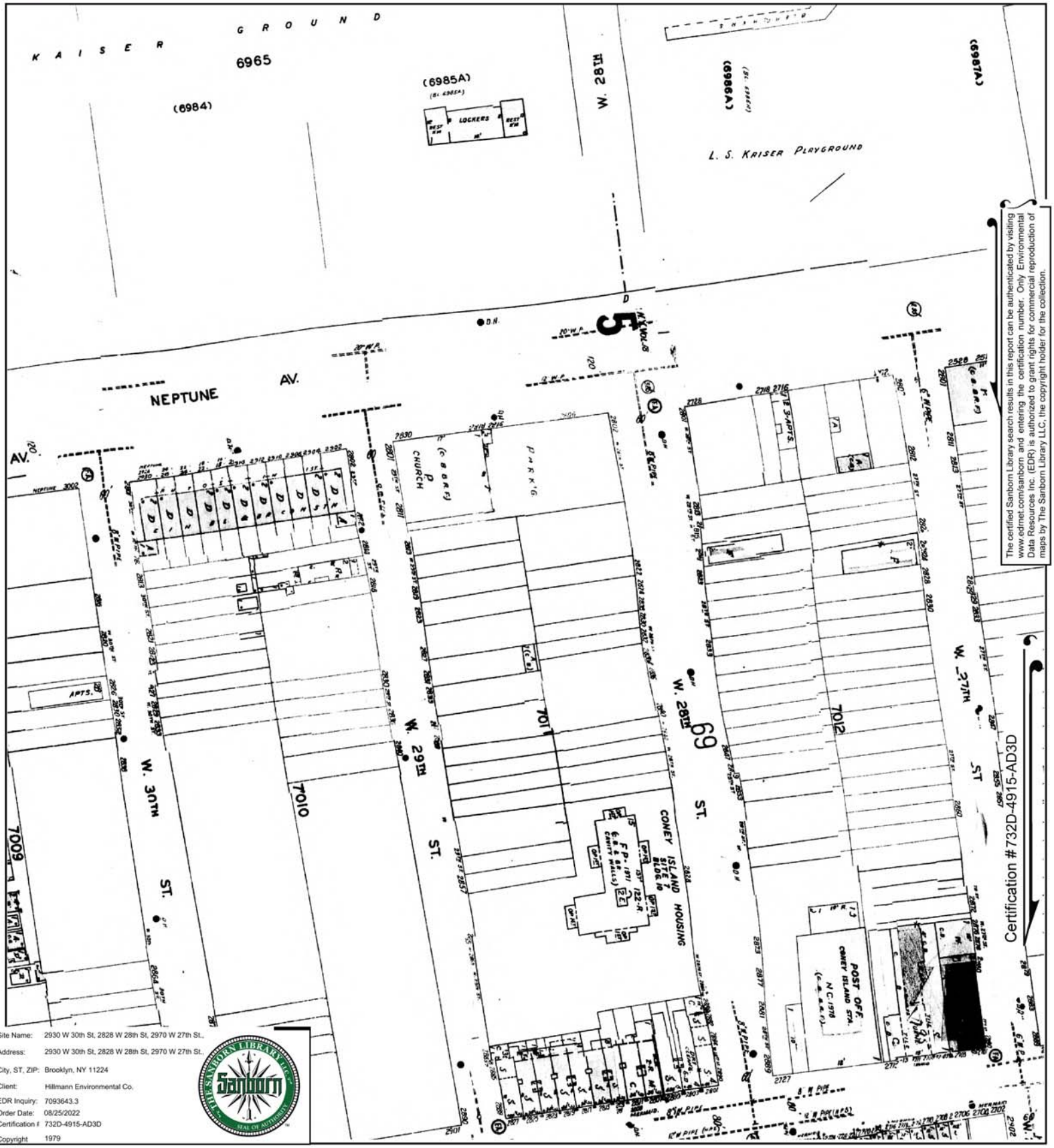

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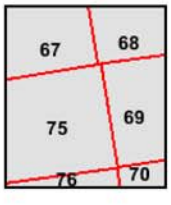

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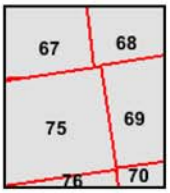

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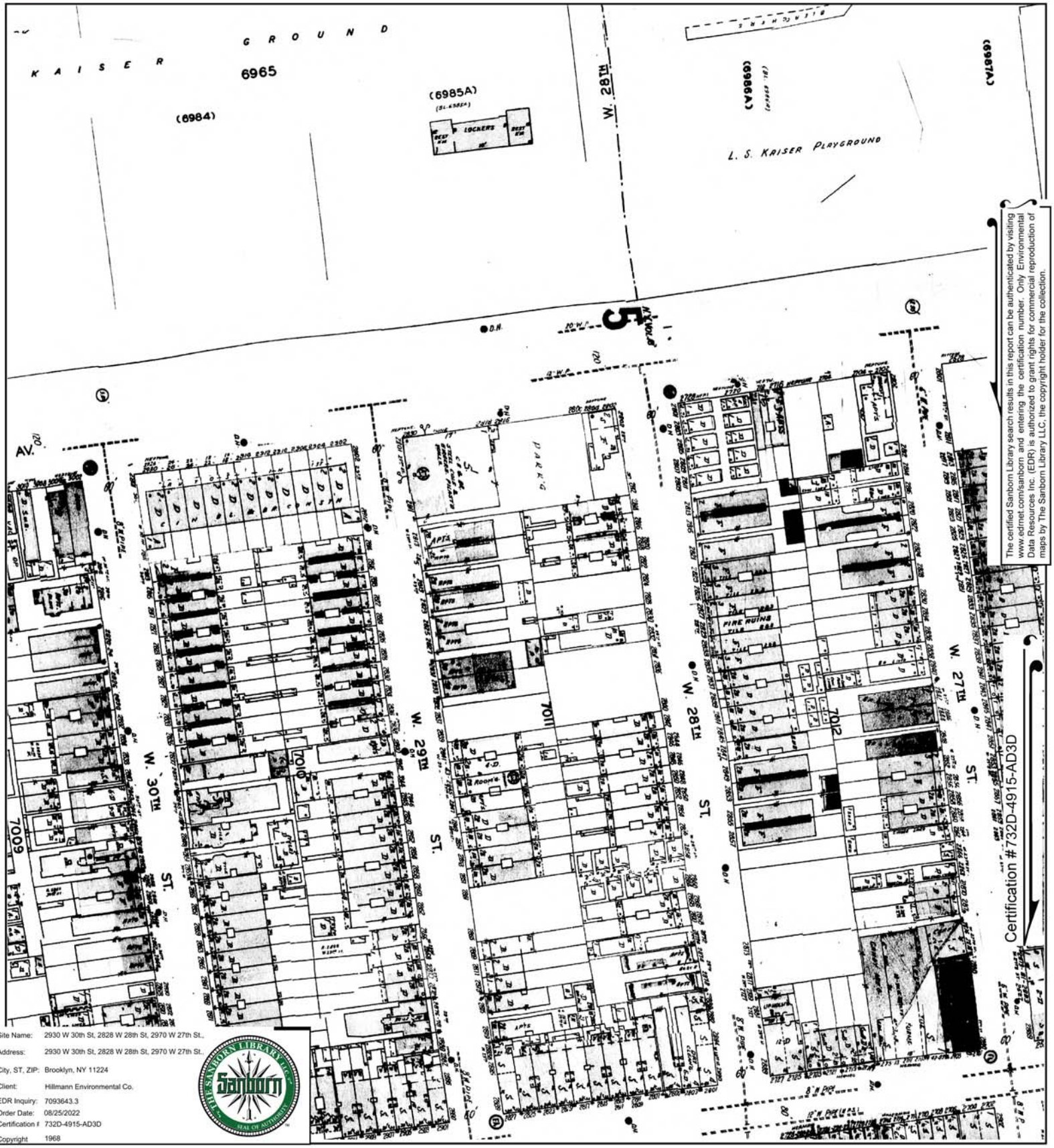

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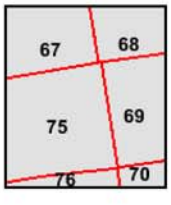

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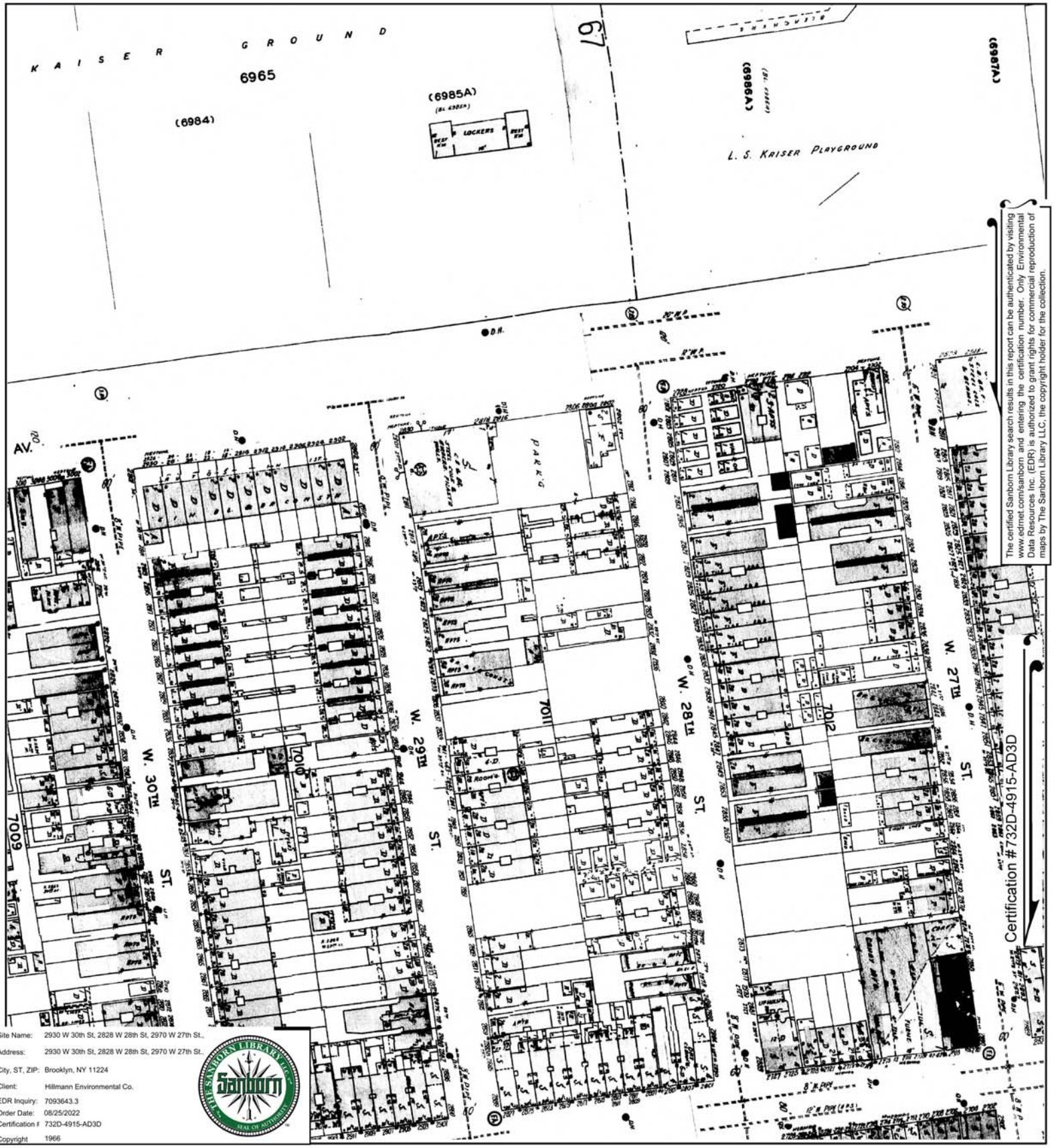

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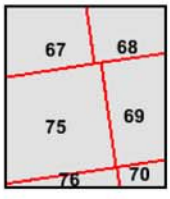

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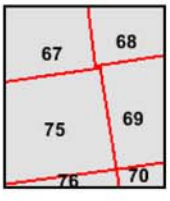

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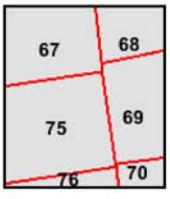

Volume 18, Sheet 67
Volume 18, Sheet 75
Volume 18, Sheet 69
Volume 18, Sheet 68

N

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Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright: 1906

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 13, Sheet 12
Volume 13, Sheet 18
Volume 13, Sheet 17
Volume 13, Sheet 14
Volume 13, Sheet 13

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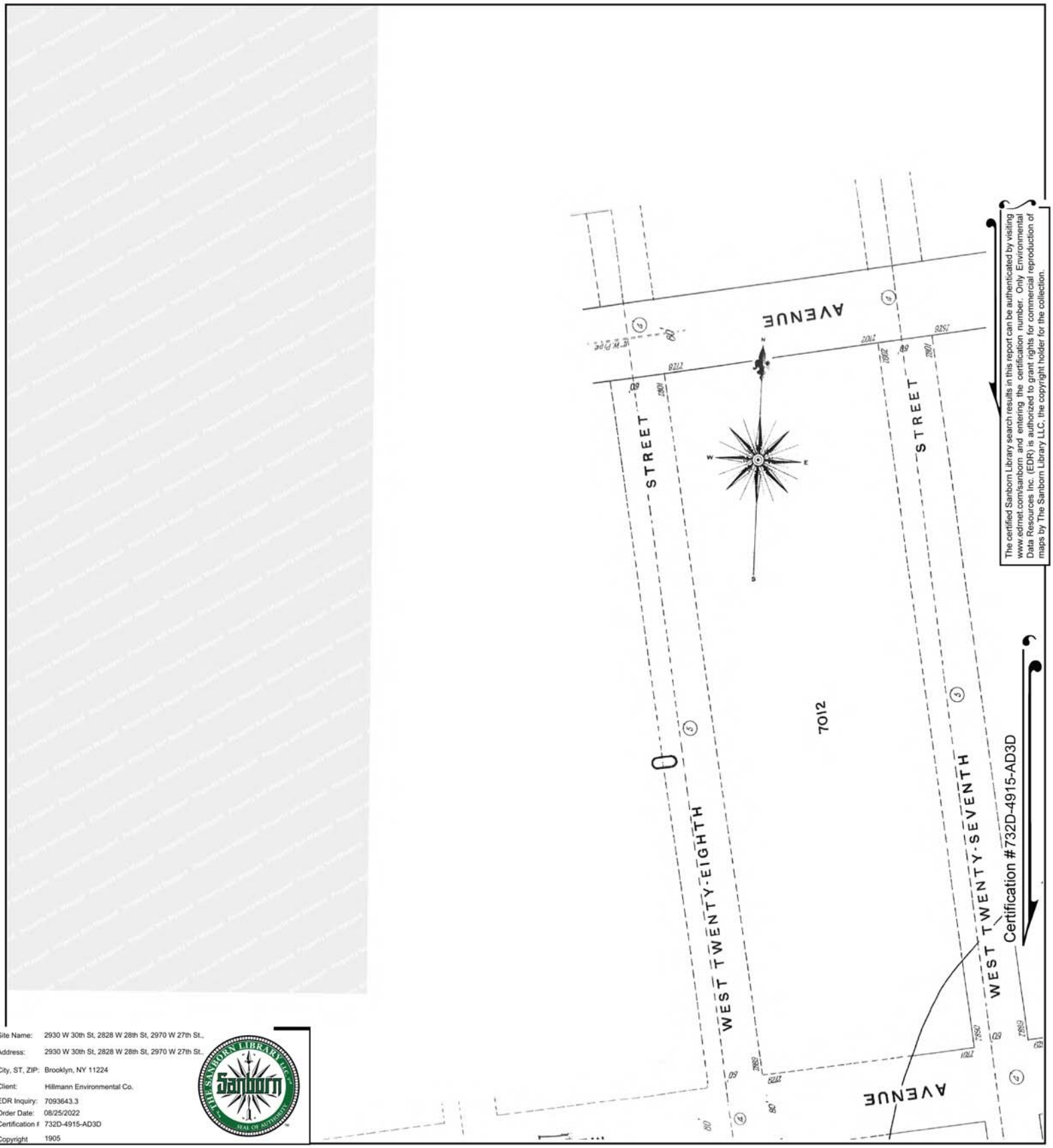

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Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright: 1905

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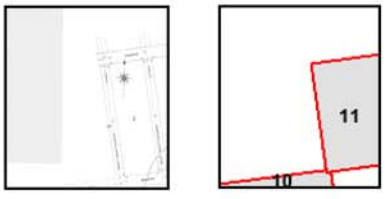
Outlined areas indicate map sheets within the collection.

Volume B, Sheet 11



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2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hillmann Environmental Co. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1982	1930
2006	1993	1981	1906
2005	1992	1980	1905
2004	1991	1979	1895
2003	1989	1977	
2002	1987	1968	
2001	1986	1966	
1996	1983	1950	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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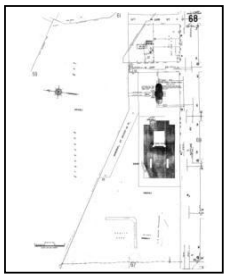
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets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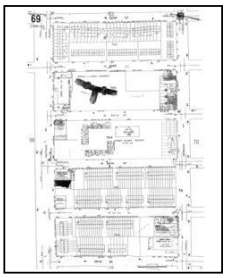
2007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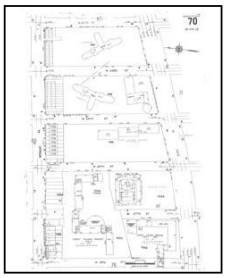
2007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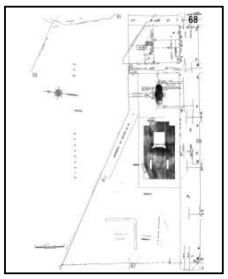
2007

2006 Source Sheets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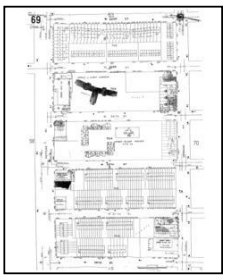
2006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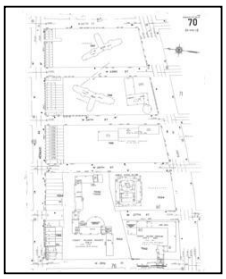
2006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2006

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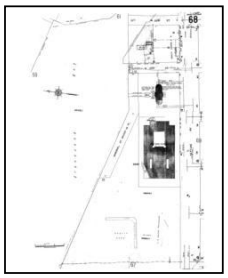
Volume 18, Sheet 68
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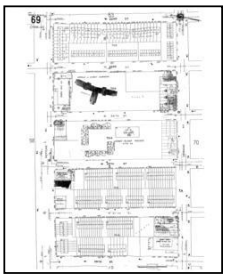
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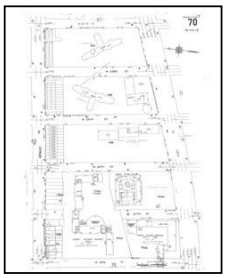
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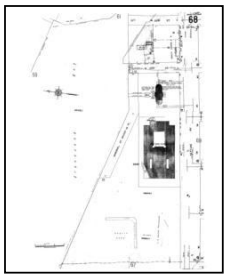
2005

2004 Source Sheets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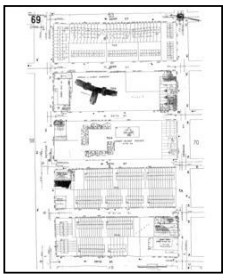
2004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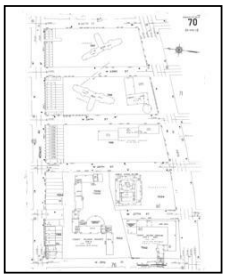
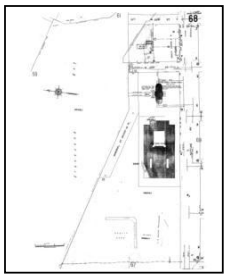
2004


Volume 18, Sheet 70
2004

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2003 Source Sheets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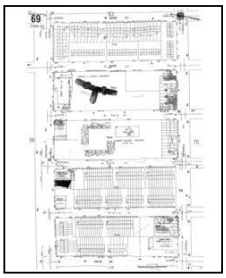
2003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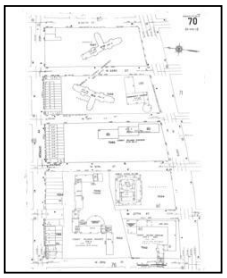
2003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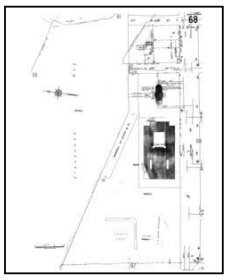
2003

2002 Source Sheets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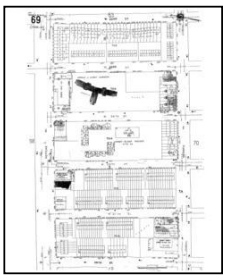
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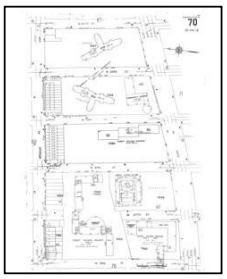
Volume 18, Sheet 70
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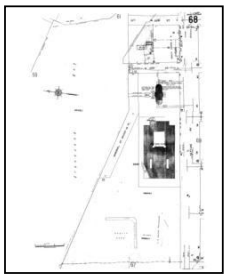
2001 Source Sheets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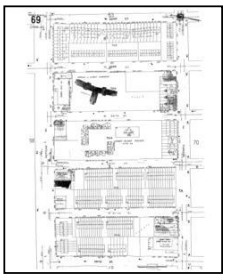
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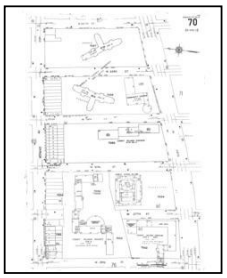
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1996 Source Sheets

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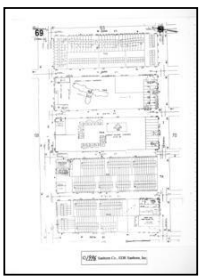
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Volume 18, Sheet 70
1996

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1995 Source Sheets

Volume 18, Sheet 68
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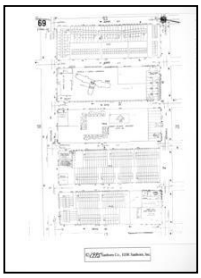

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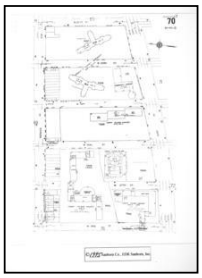

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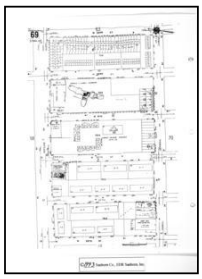
1993 Source Sheets



Volume 18, Sheet 69
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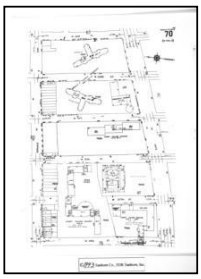

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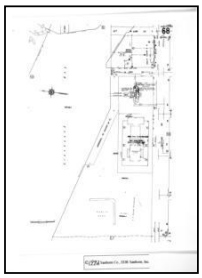
1993

1992 Source Sheets



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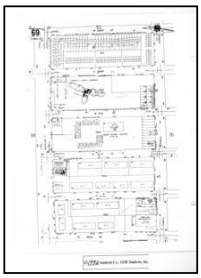

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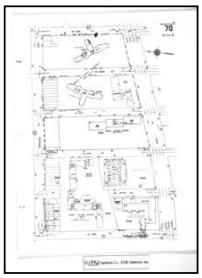

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1992

1991 Source Sheets

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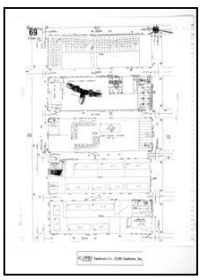
1991



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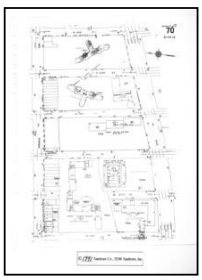

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1991

Sanborn Sheet Key

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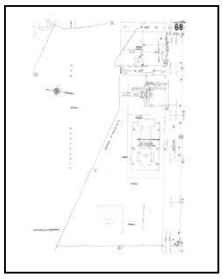
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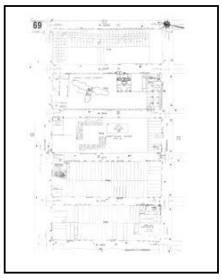
Volume 18, Sheet 69
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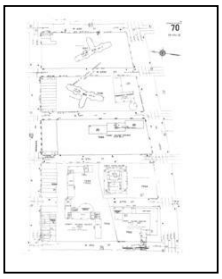
Volume 18, Sheet 70
1989

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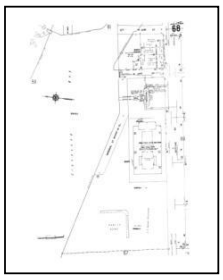
Volume 18, Sheet 68
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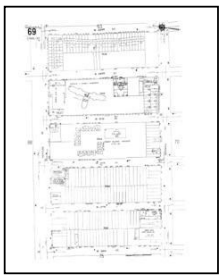
Volume 18, Sheet 69
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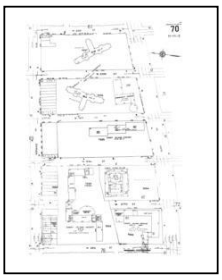
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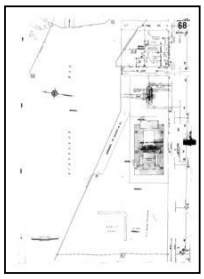
1987

1986 Source Sheets


Volume 18, Sheet 68
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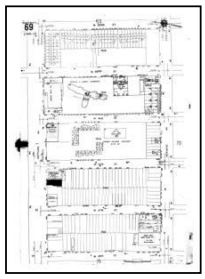
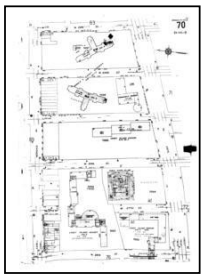
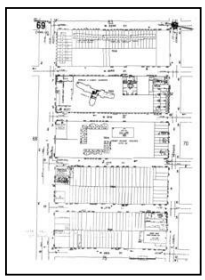

Volume 18, Sheet 69
1986


Volume 18, Sheet 70
1986

1983 Source Sheets

Volume 18, Sheet 68
1983


Volume 18, Sheet 69
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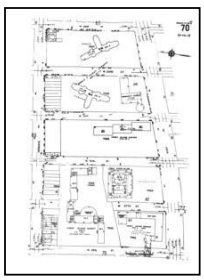
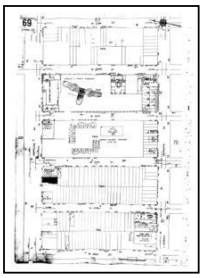

Volume 18, Sheet 70
1983

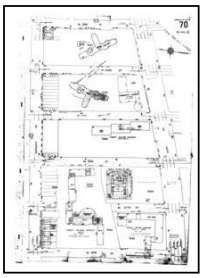
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

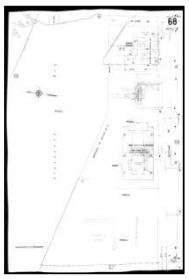
1982 Source Sheets

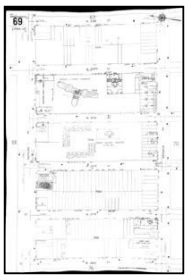
Volume 18, Sheet 68
1982


Volume 18, Sheet 69
1982


Volume 18, Sheet 70
1982

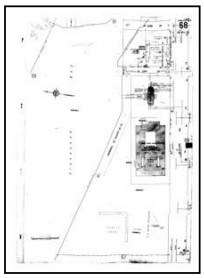
1981 Source Sheets


Volume 18, Sheet 68
1981


Volume 18, Sheet 69
1981

Volume 18, Sheet 70
1981

1980 Source Sheets


Volume 18, Sheet 68
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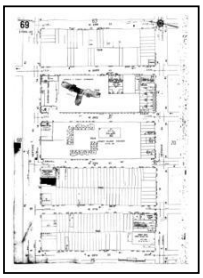
Volume 18, Sheet 69
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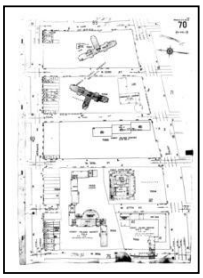
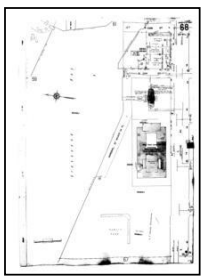

Volume 18, Sheet 70
1980

1979 Source Sheets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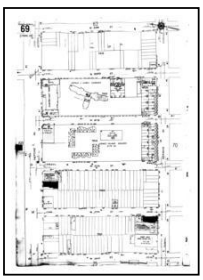
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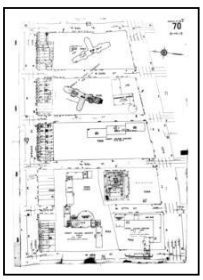
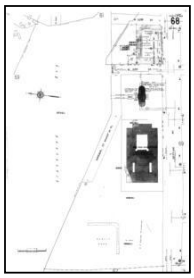

Volume 18, Sheet 70
1979

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1977 Source Sheets


Volume 18, Sheet 68
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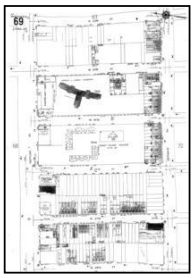
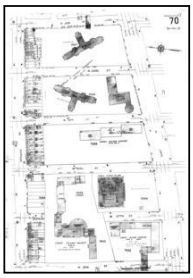
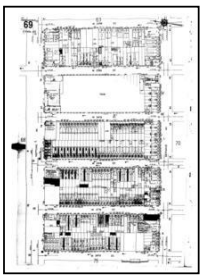
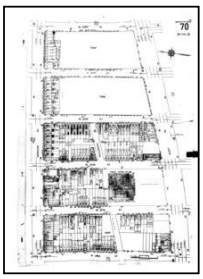

Volume 18, Sheet 69
1977


Volume 18, Sheet 70
1977

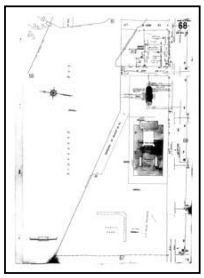
1968 Source Sheets

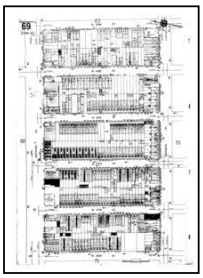
Volume 18, Sheet 68
1968

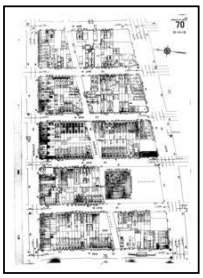

Volume 18, Sheet 69
1968


Volume 18, Sheet 70
1968

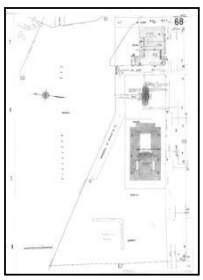
1966 Source Sheets

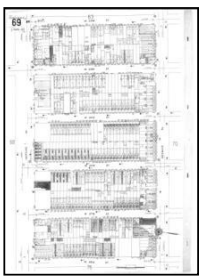

Volume 18, Sheet 68
1966


Volume 18, Sheet 69
1966


Volume 18, Sheet 70
1966

1950 Source Sheets


Volume 18, Sheet 68
1950


Volume 18, Sheet 69
1950

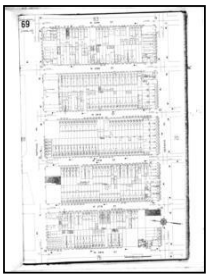
Volume 18, Sheet 70
1950

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

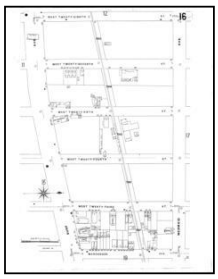
1930 Source Sheets

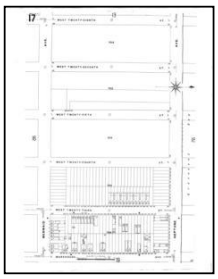
Volume 18, Sheet 68
1930

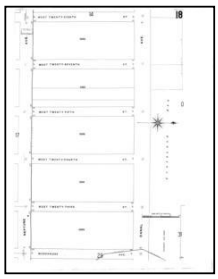

Volume 18, Sheet 69
1930

Volume 18, Sheet 70
1930

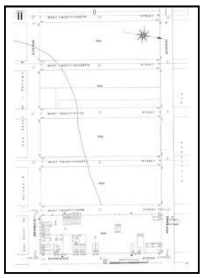
1906 Source Sheets


Volume 13, Sheet 16
1906

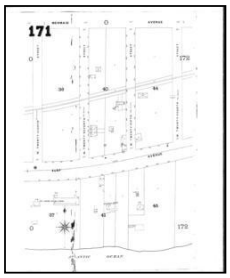

Volume 13, Sheet 17
1906


Volume 13, Sheet 18
1906

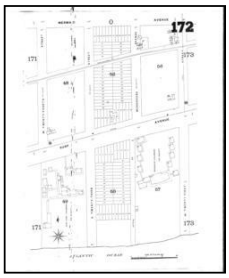
1905 Source Sheets


Volume B, Sheet 11
1905

1895 Source Sheets



Volume B, Sheet 171
1895



Volume B, Sheet 172
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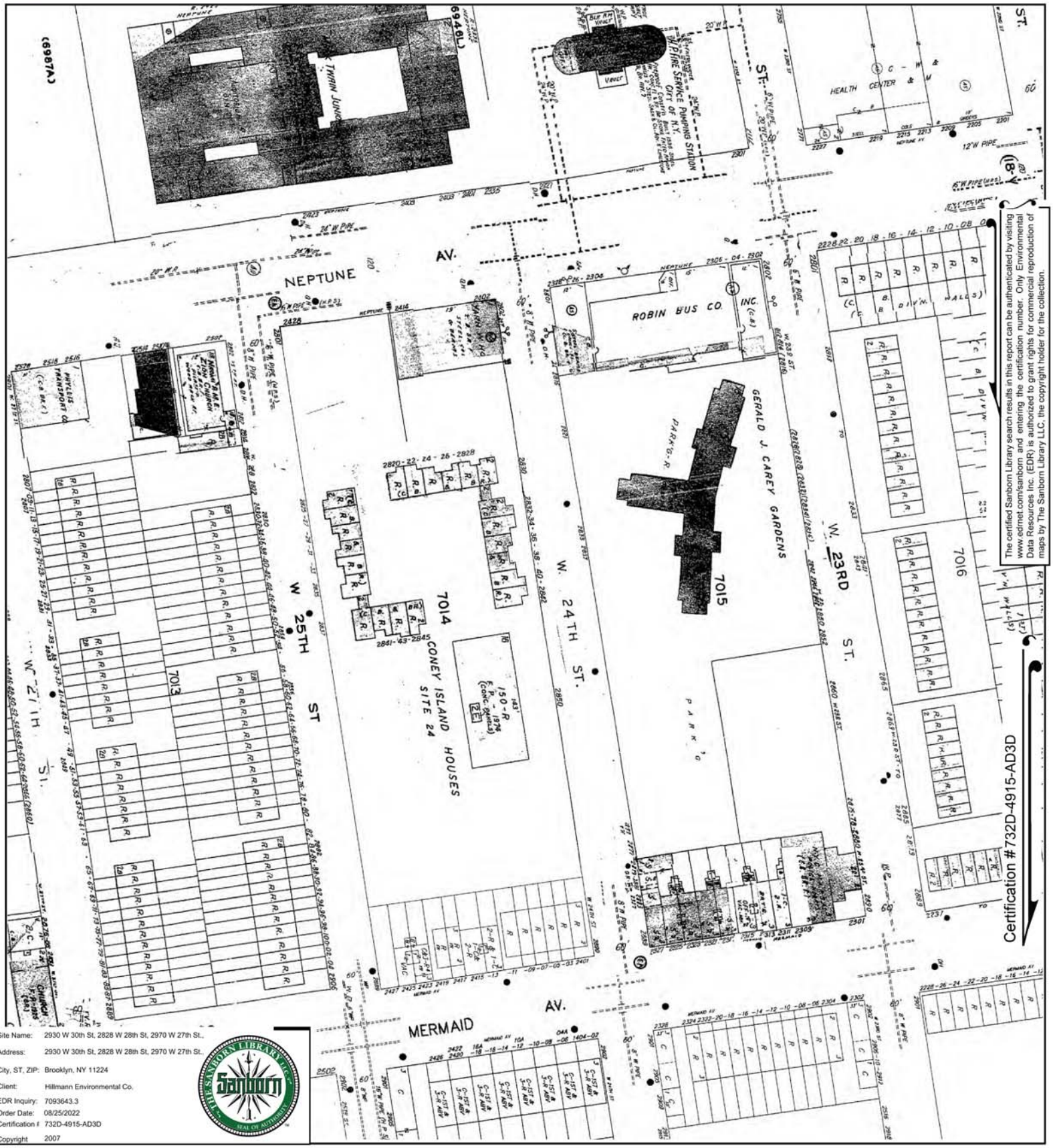

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
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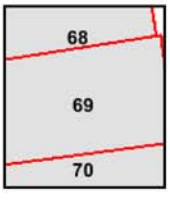
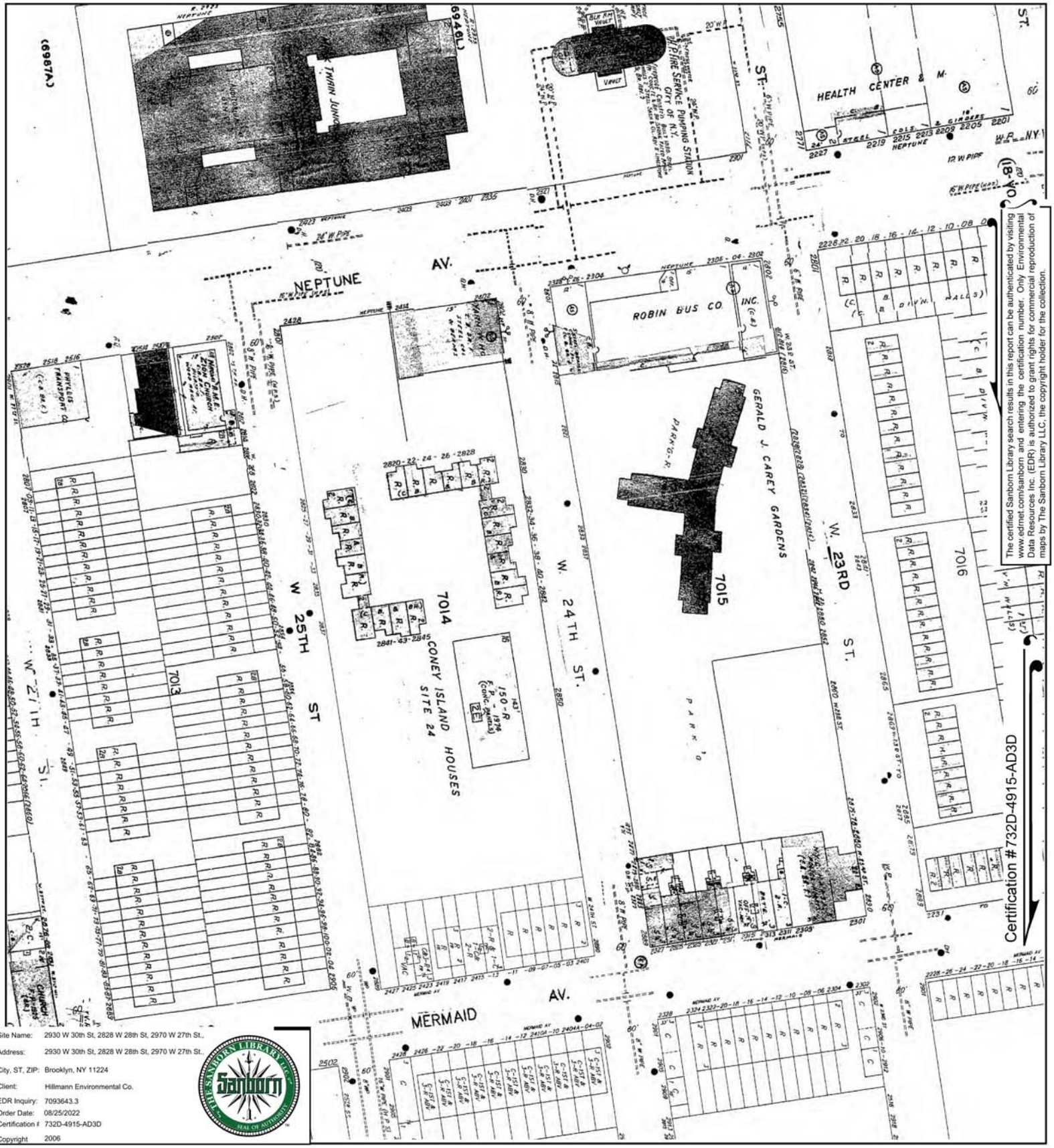
0 Feet 150 300 600



Volume 18, Sheet 70
Volume 18, Sheet 69
Volume 18, Sheet 68

N



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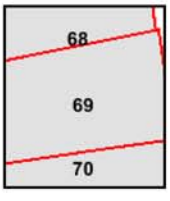

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Volume 18, Sheet 69
Volume 18, Sheet 68

0 Feet 150 300 600

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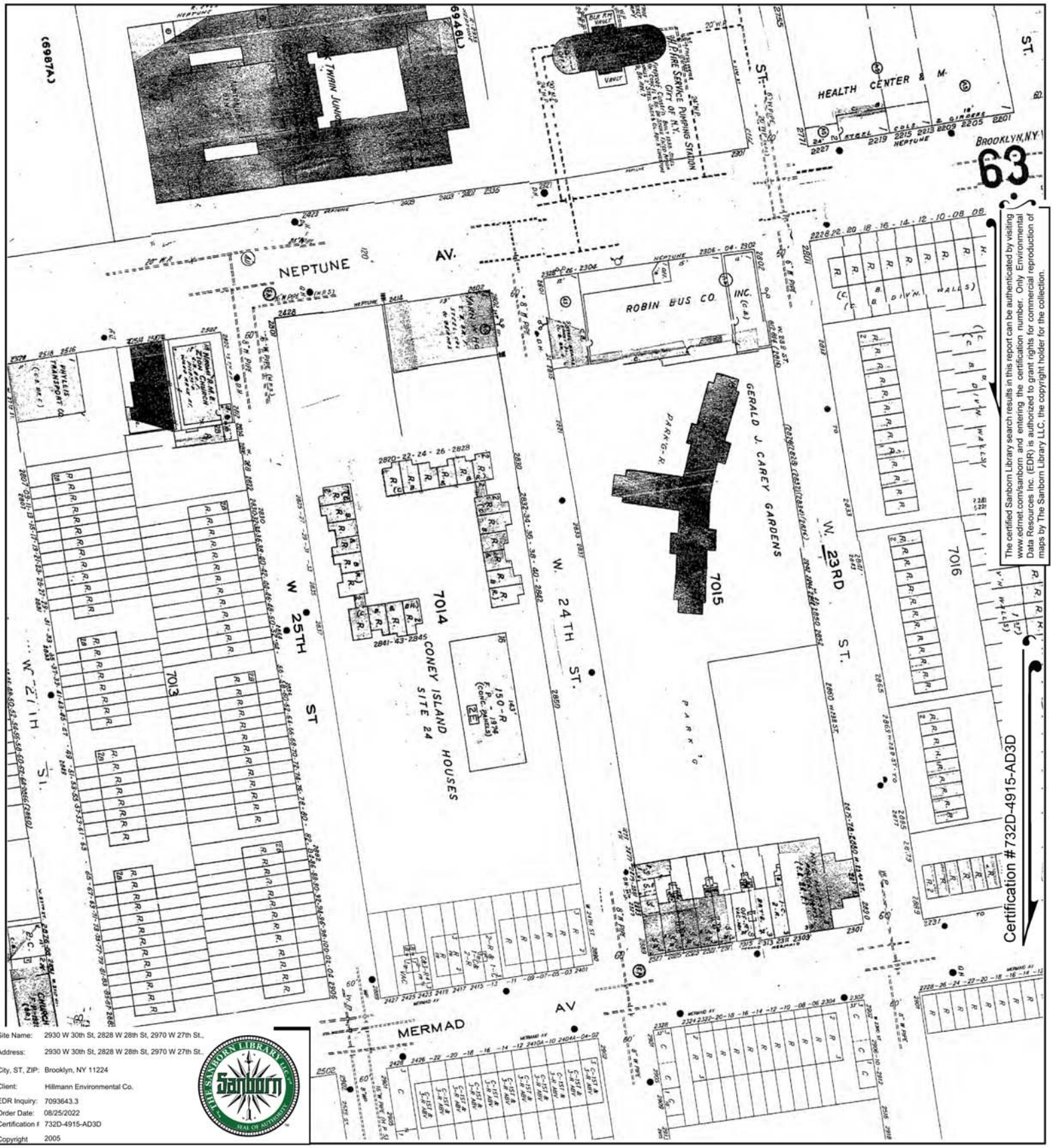

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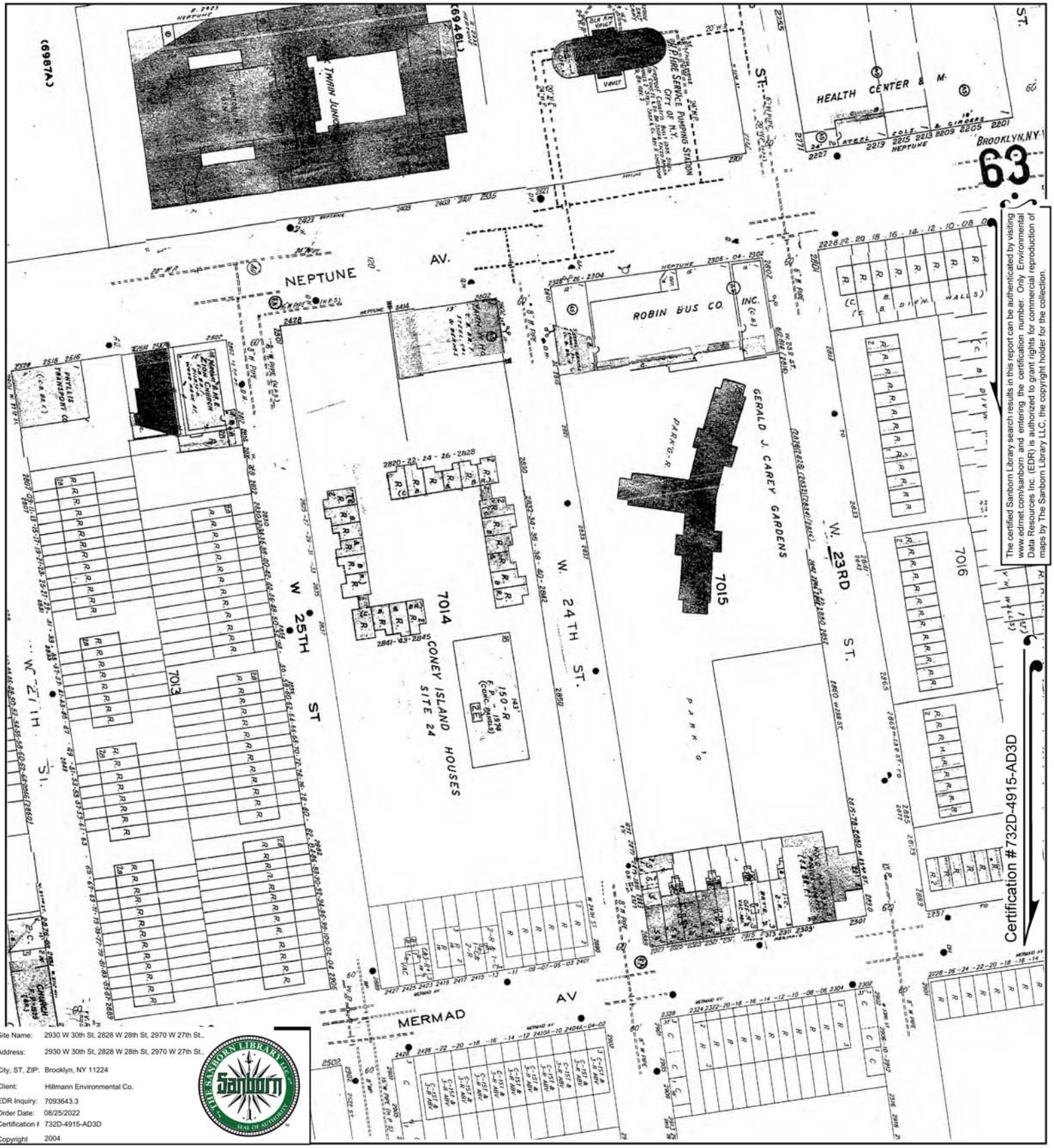
Volume 18, Sheet 68

N



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Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
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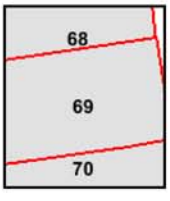

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Volume 18, Sheet 69
Volume 18, Sheet 68

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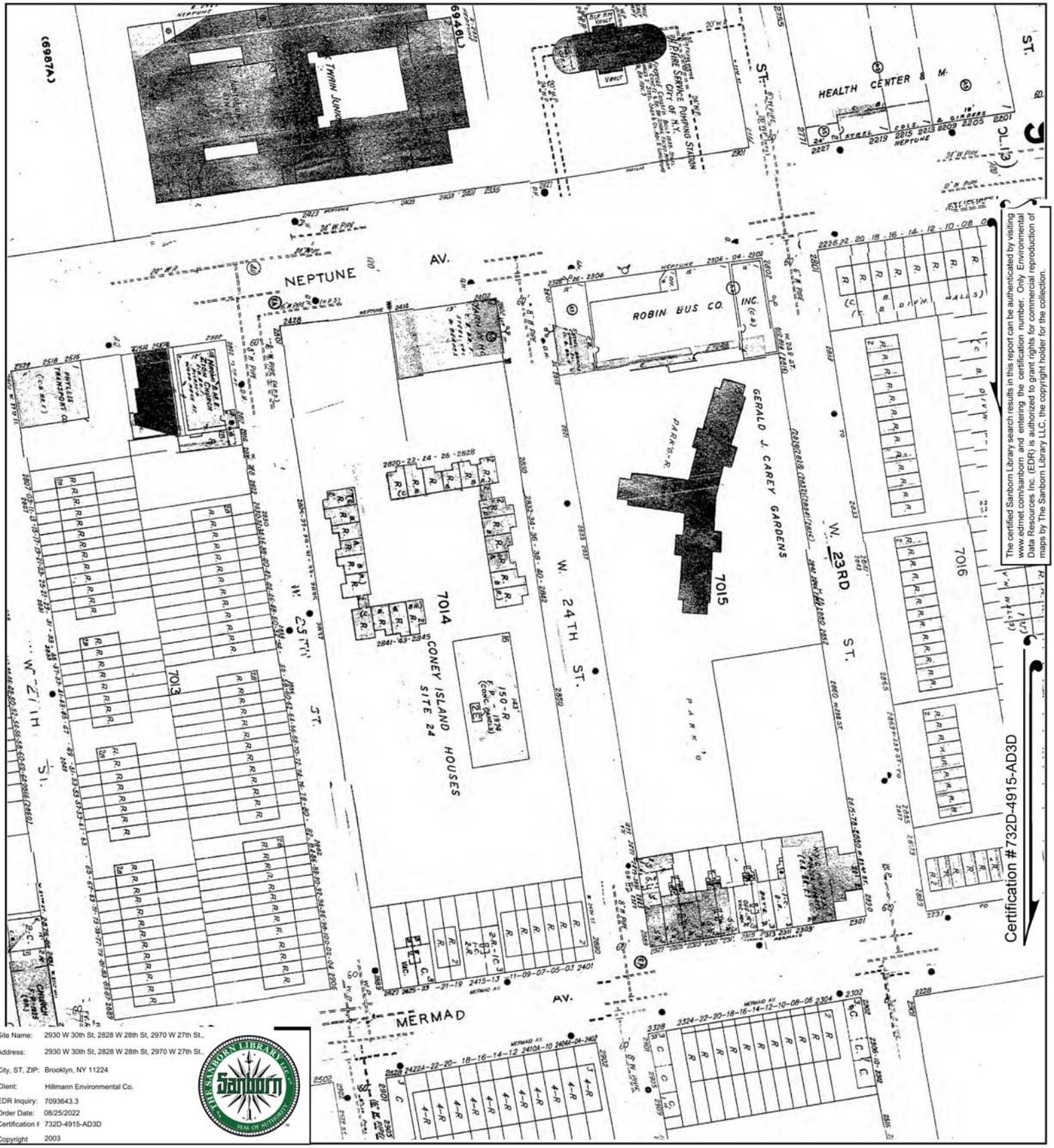

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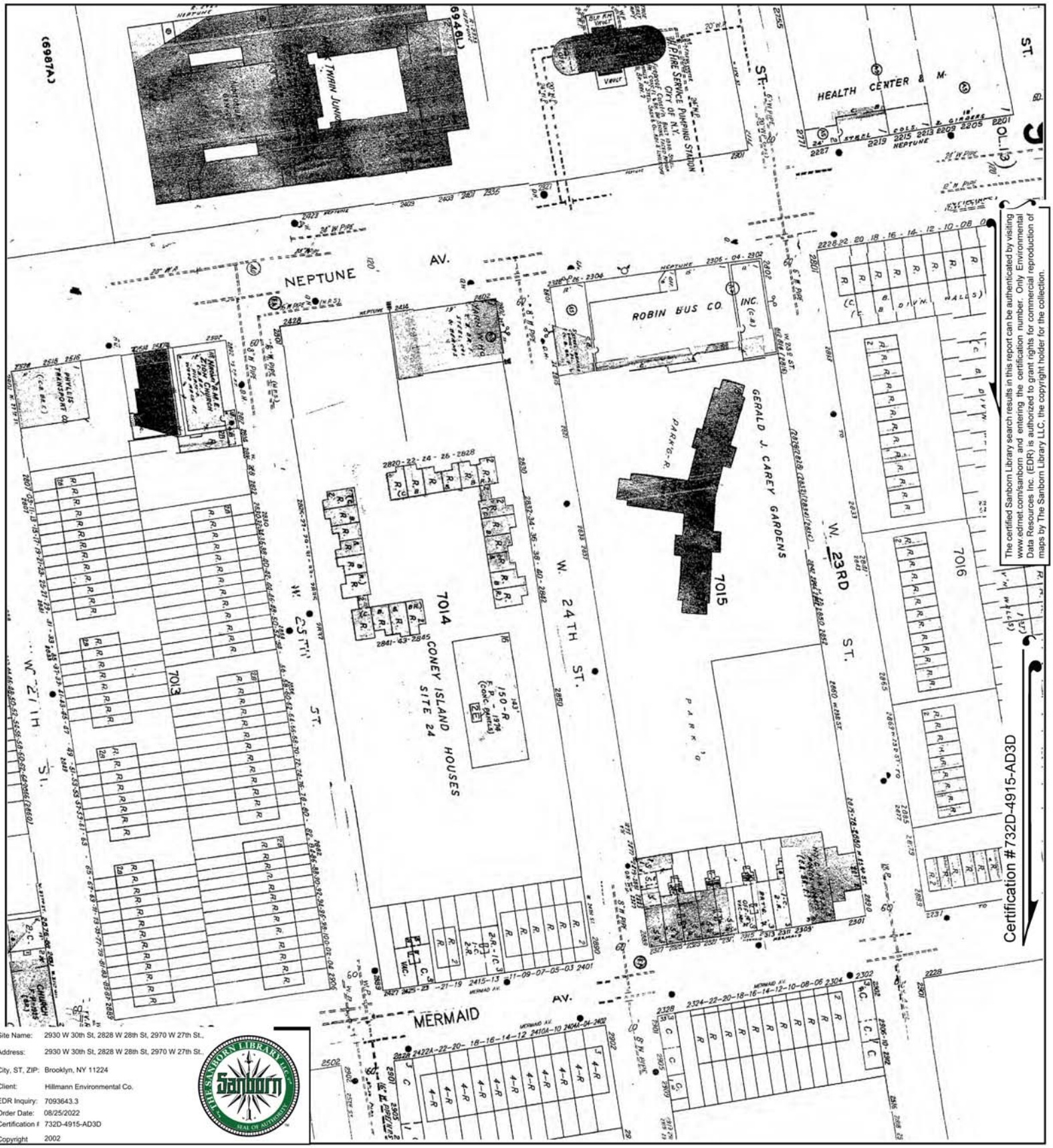
N

Certified Sanborn® Map

2002



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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
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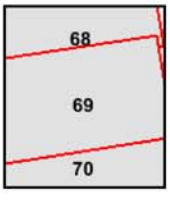
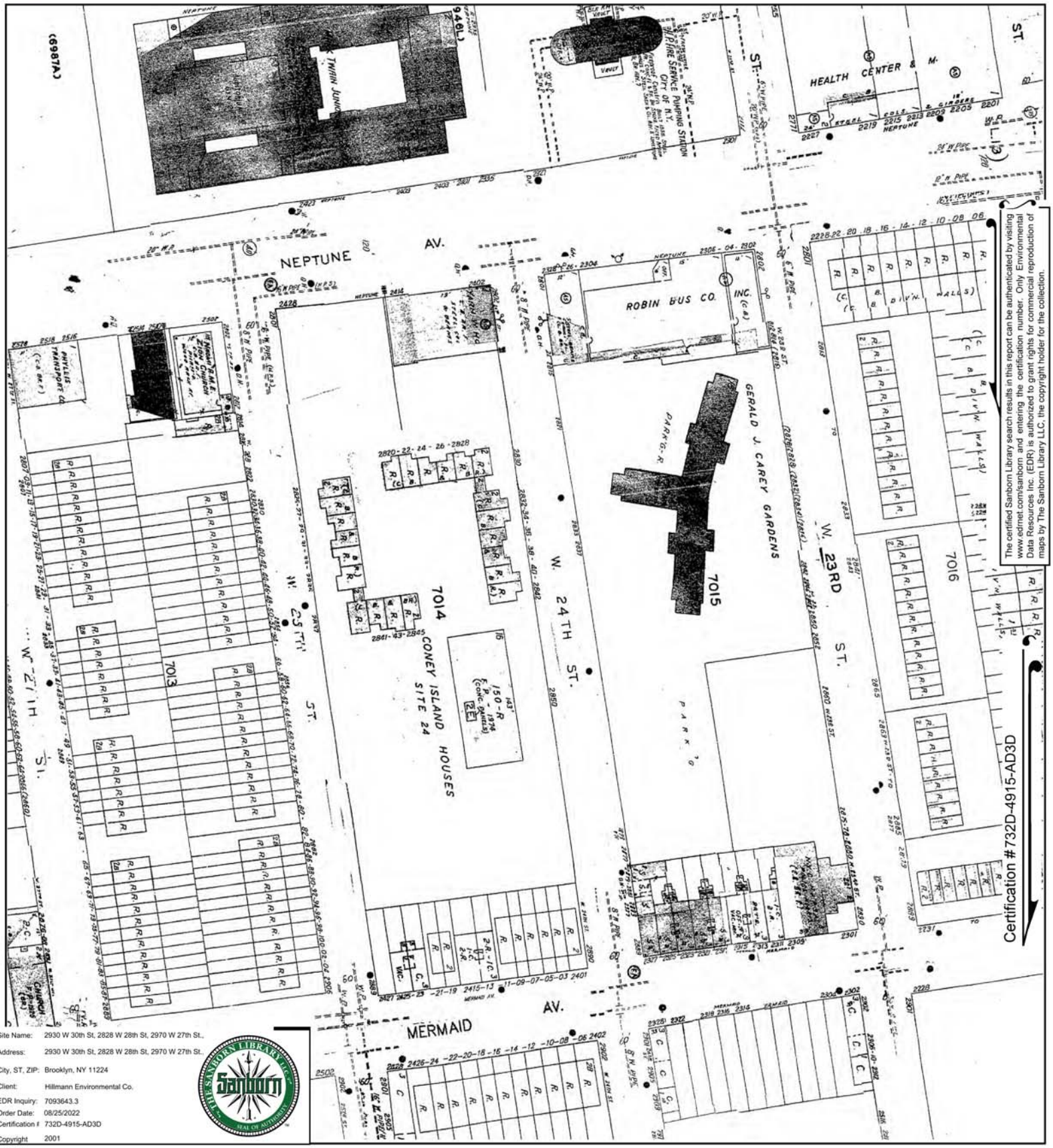


Volume 18, Sheet 70
Volume 18, Sheet 69
Volume 18, Sheet 68

N



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Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
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Copyright	2001

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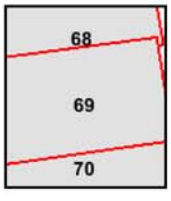

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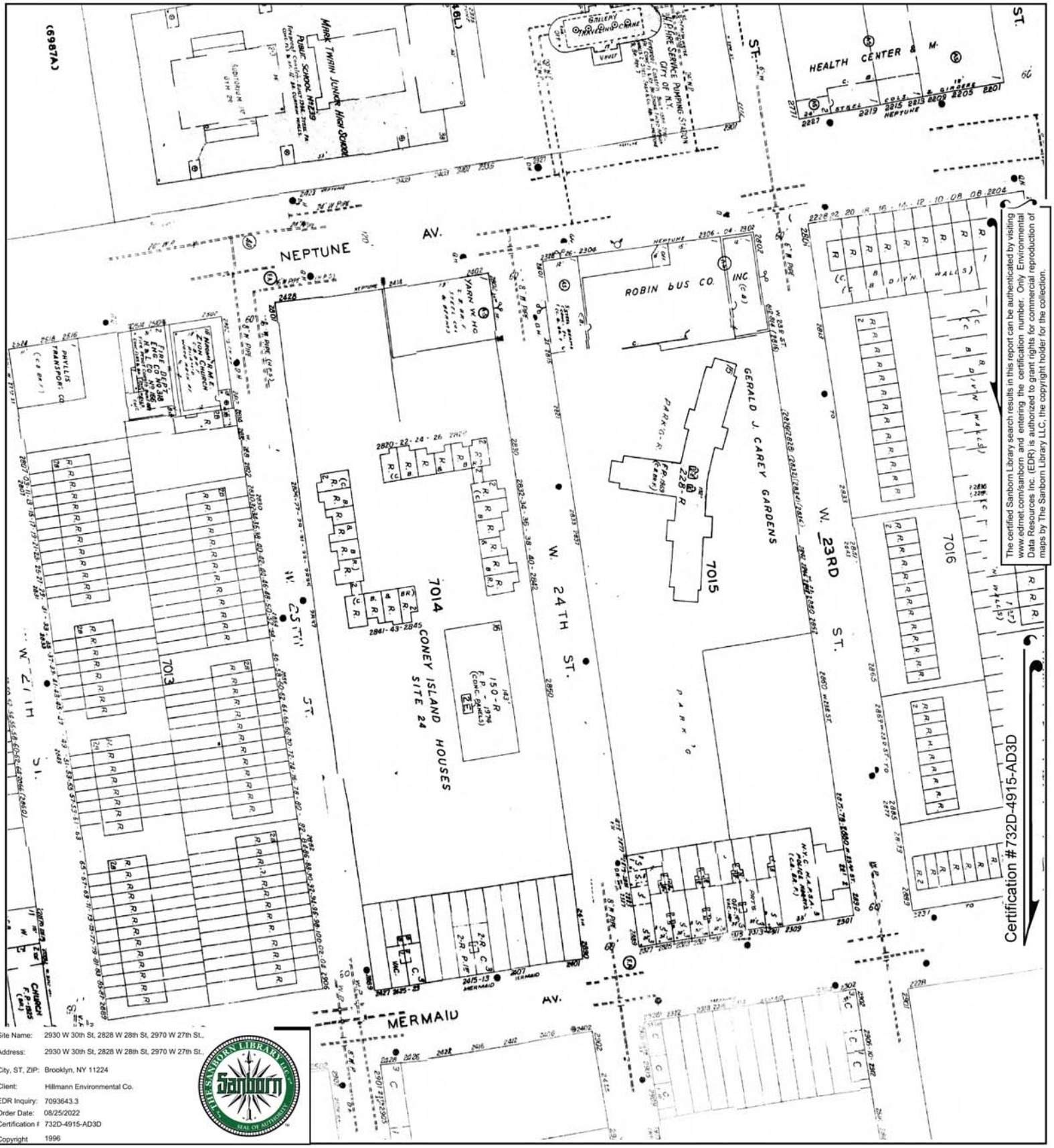
Volume 18, Sheet 68

N

Certified Sanborn® Map

1996



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Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1996

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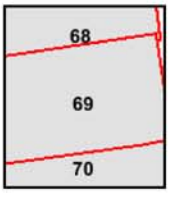

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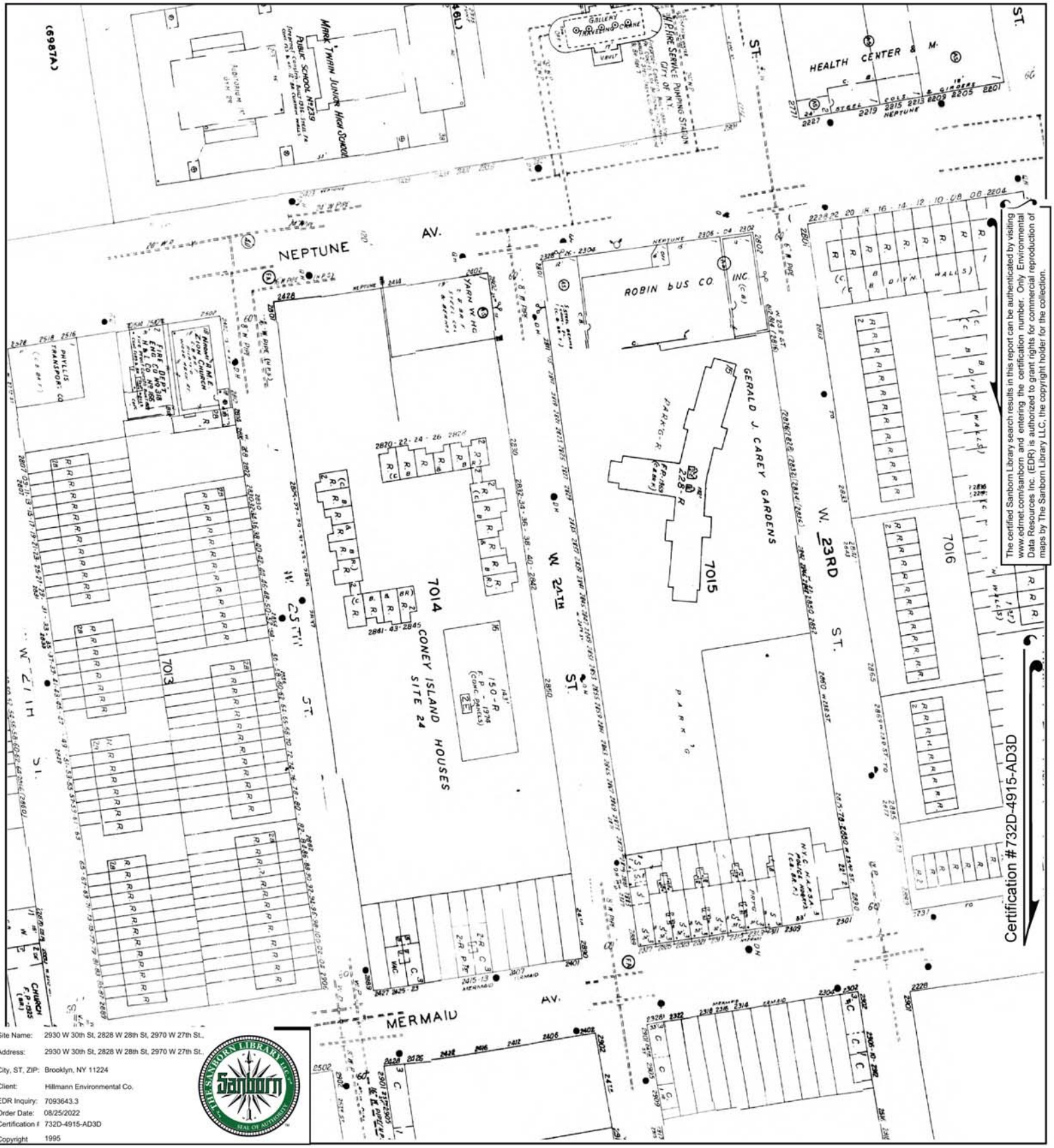
1995



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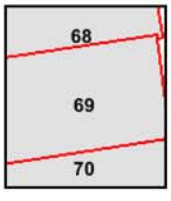

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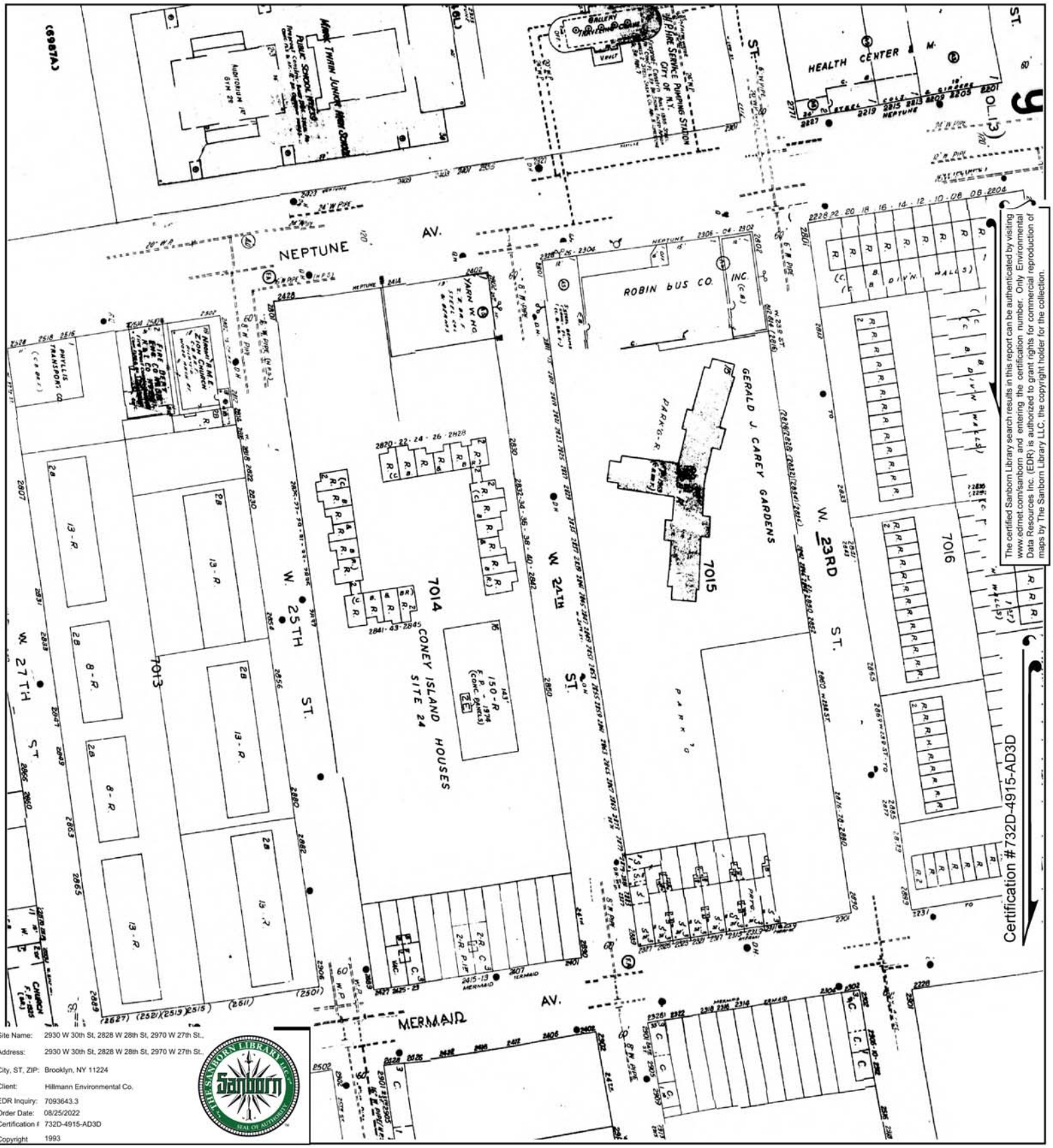

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Certification #	732D-4915-AD3D
Copyright	1993

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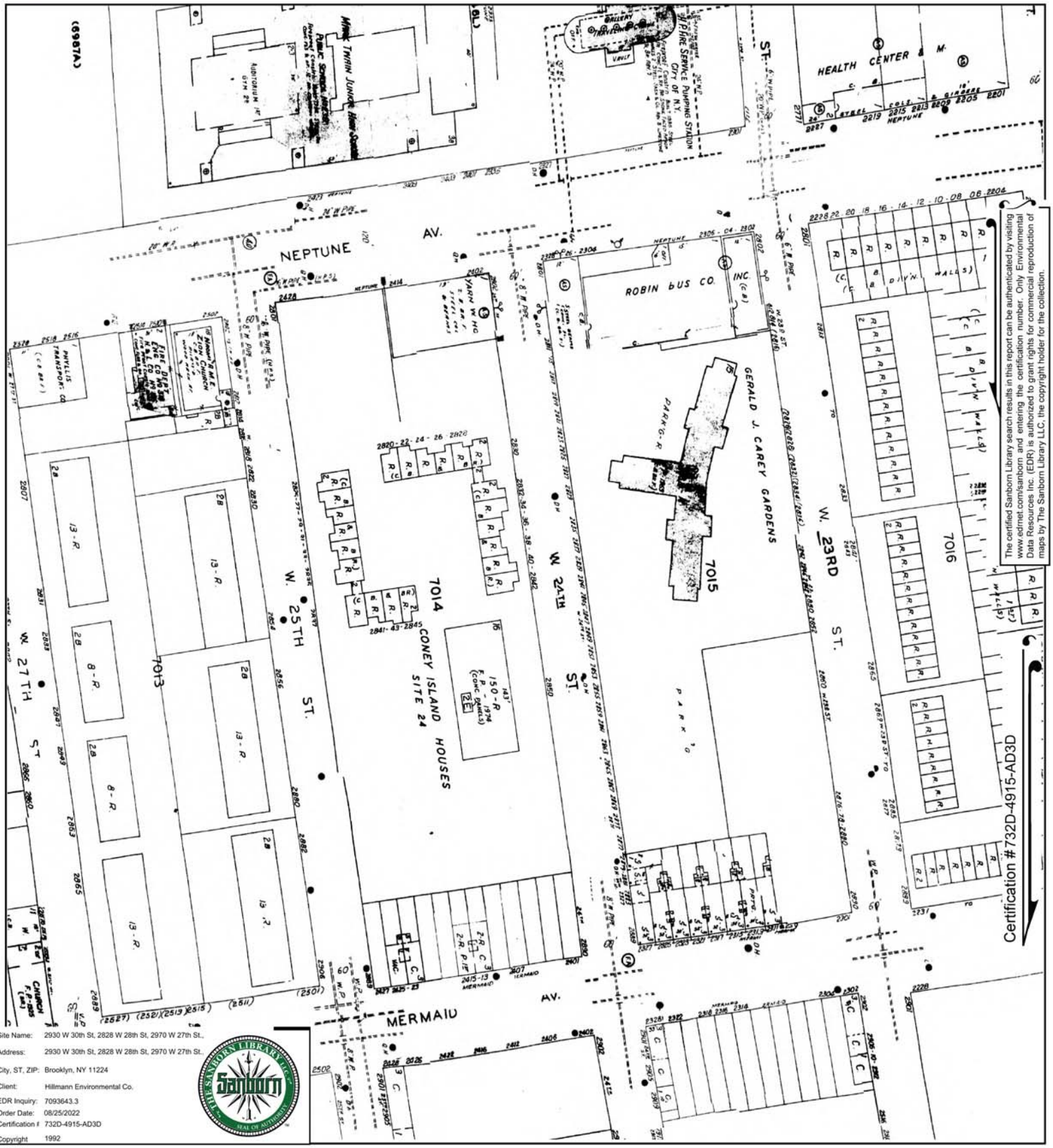
Certified Sanborn® Map

1992



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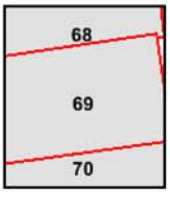

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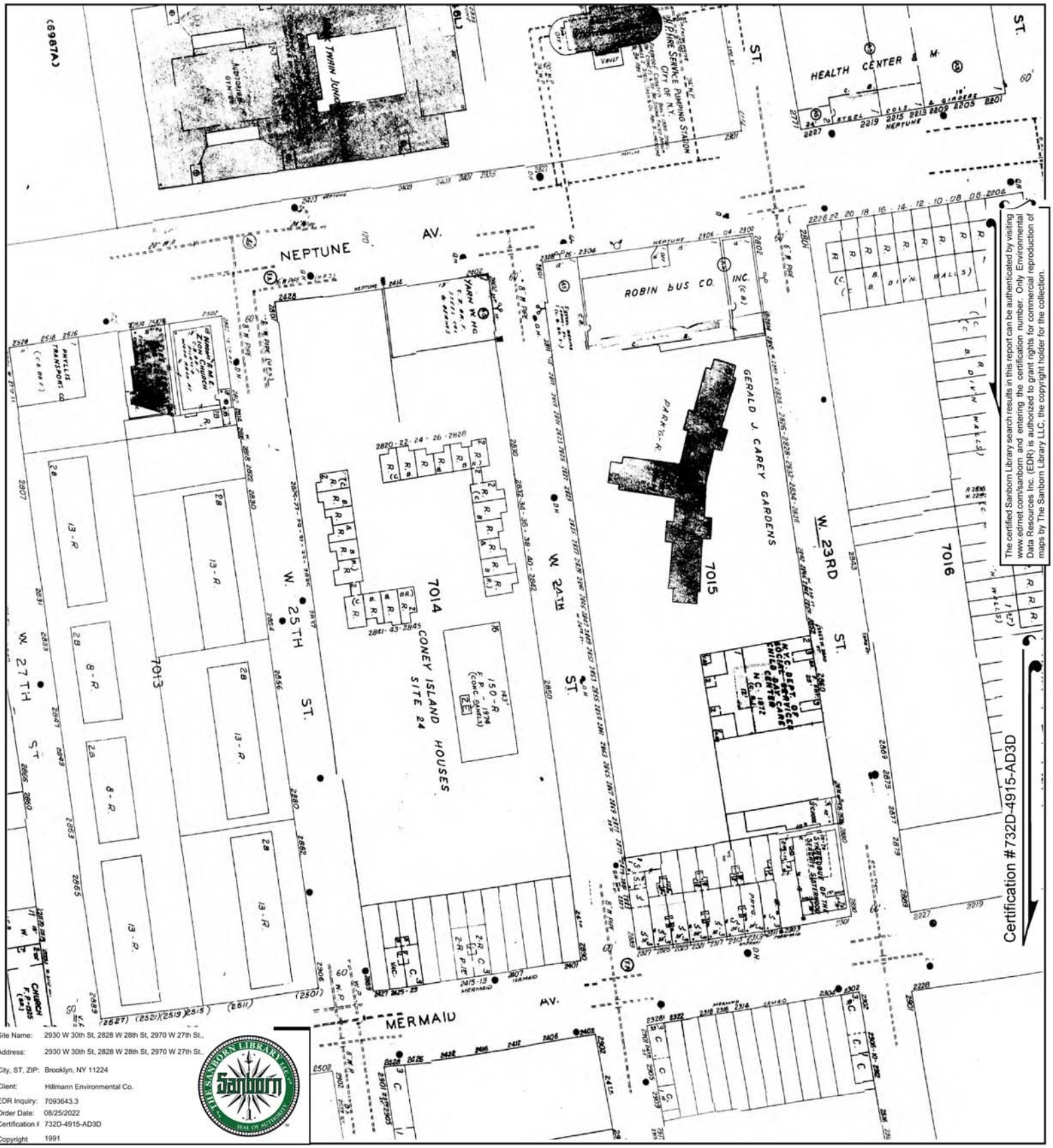
N

Certified Sanborn® Map

1991



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Copyright	1991

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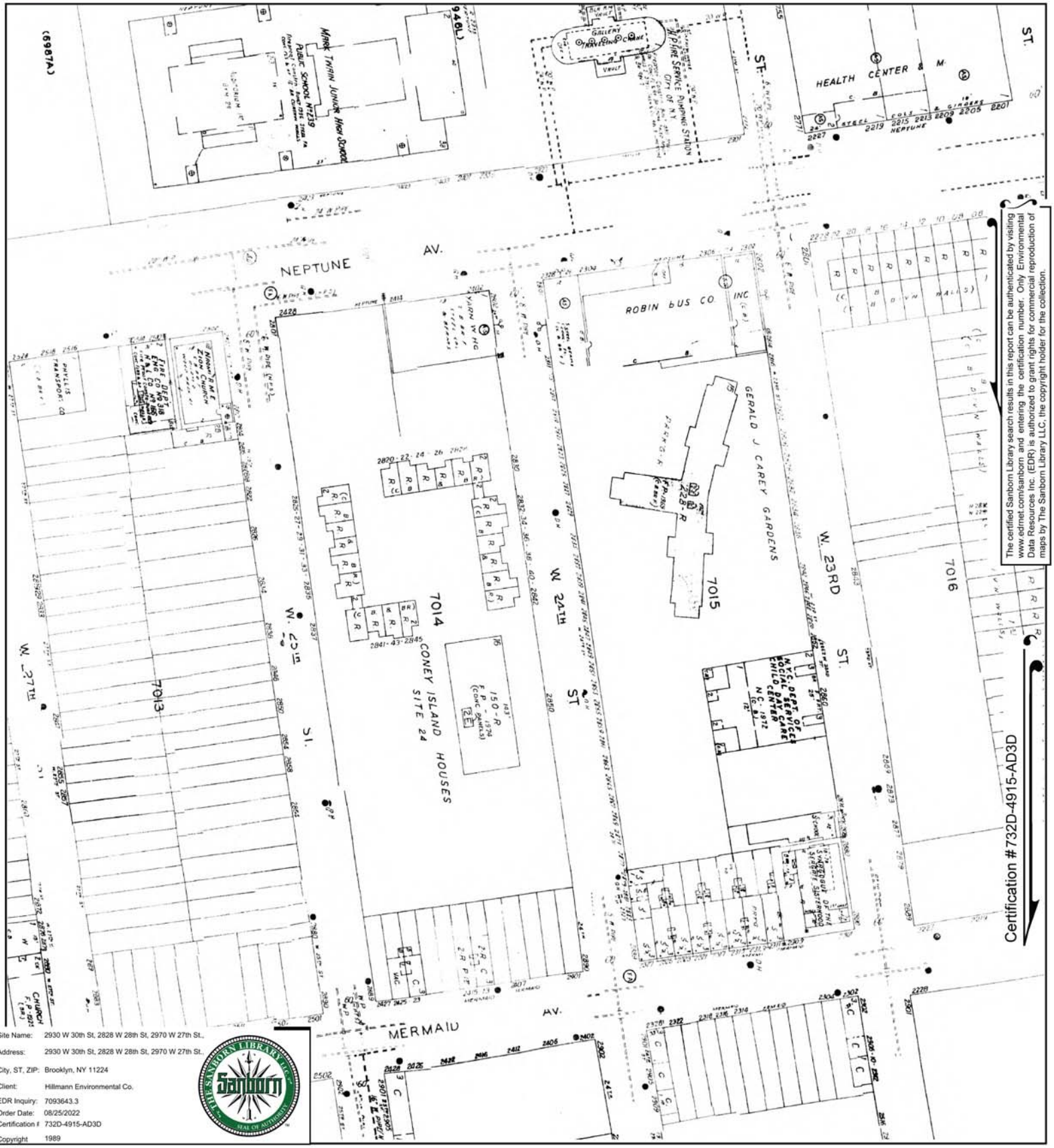

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Certification #	732D-4915-AD3D
Copyright	1989

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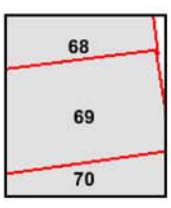

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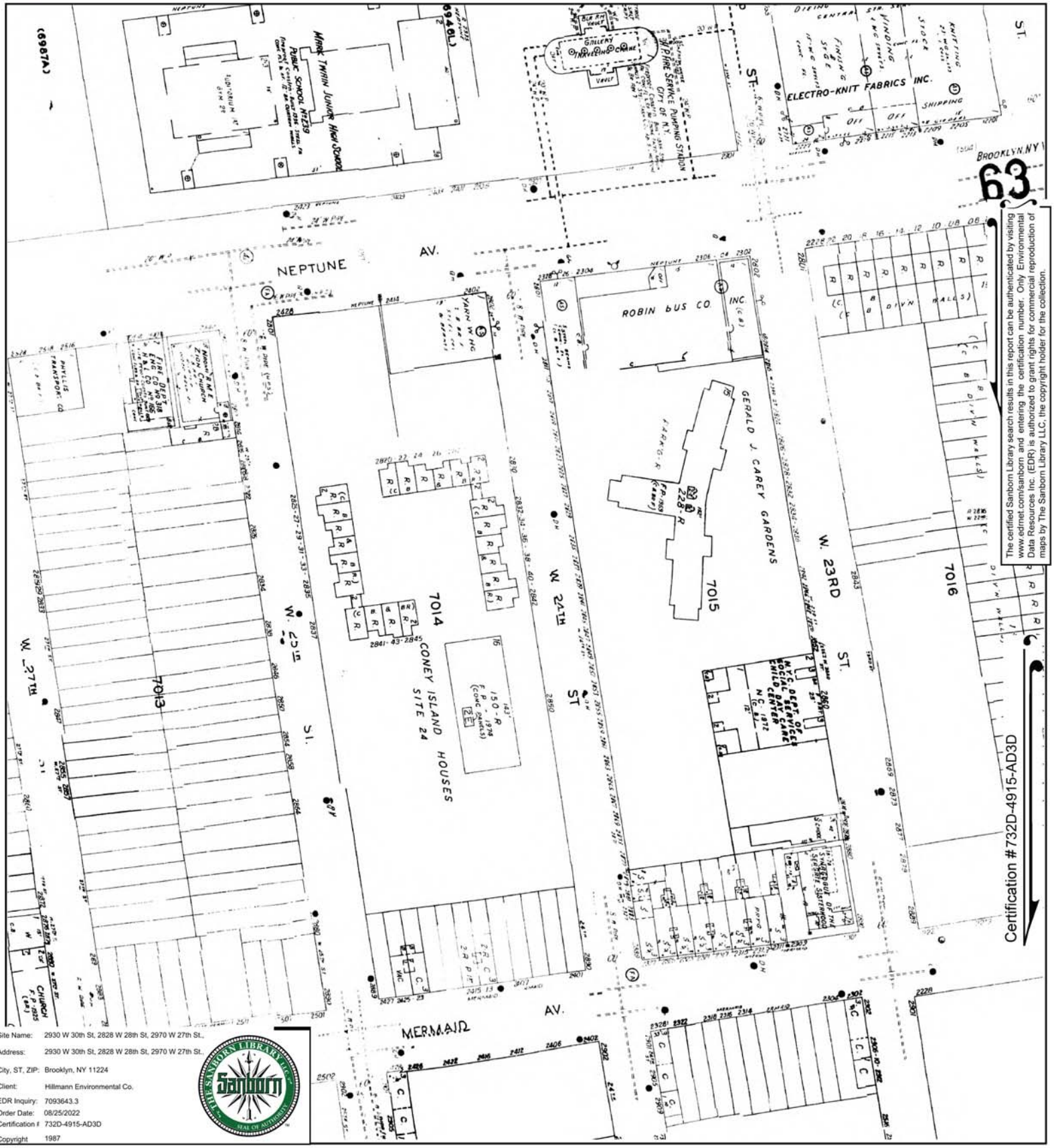

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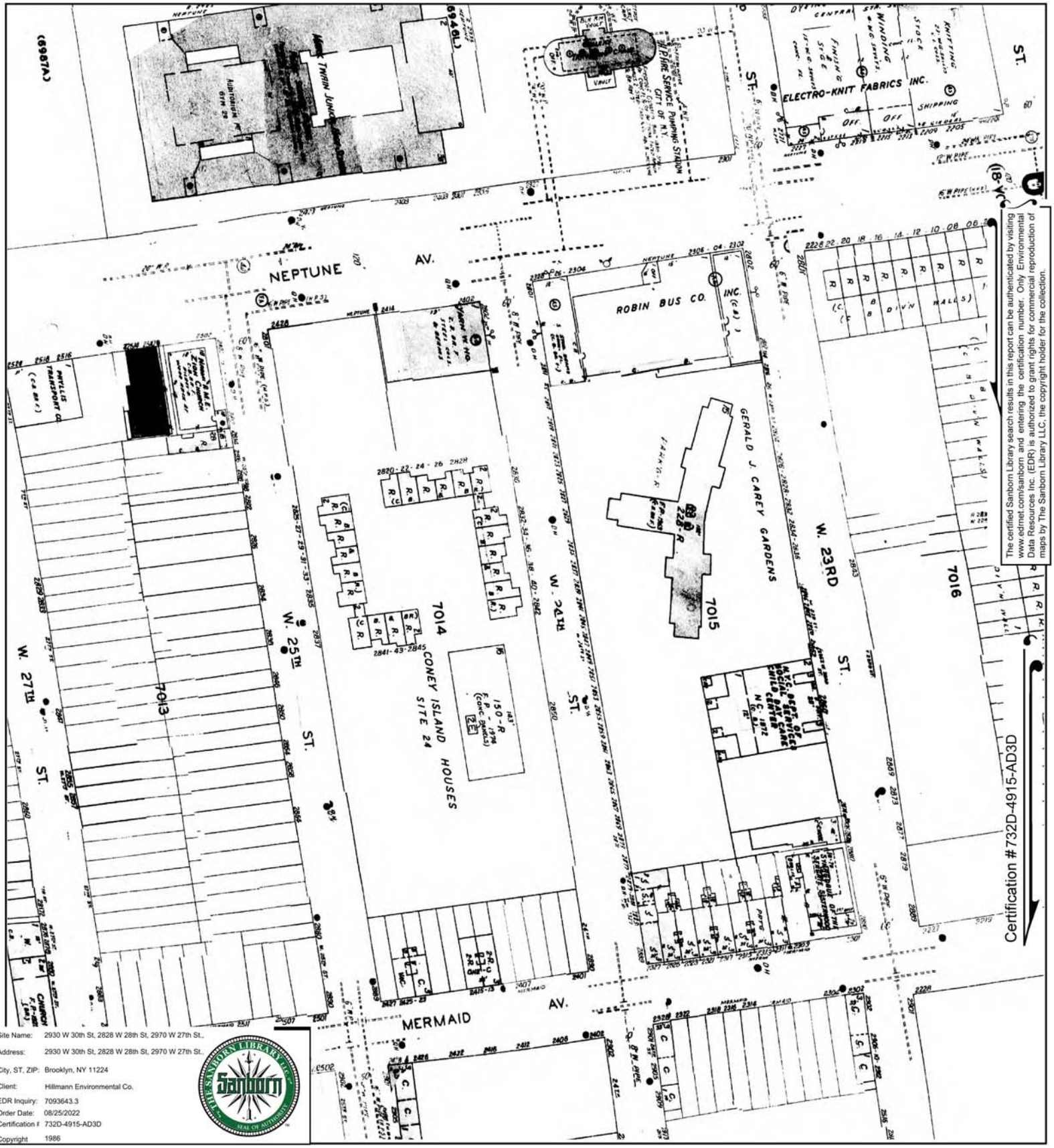

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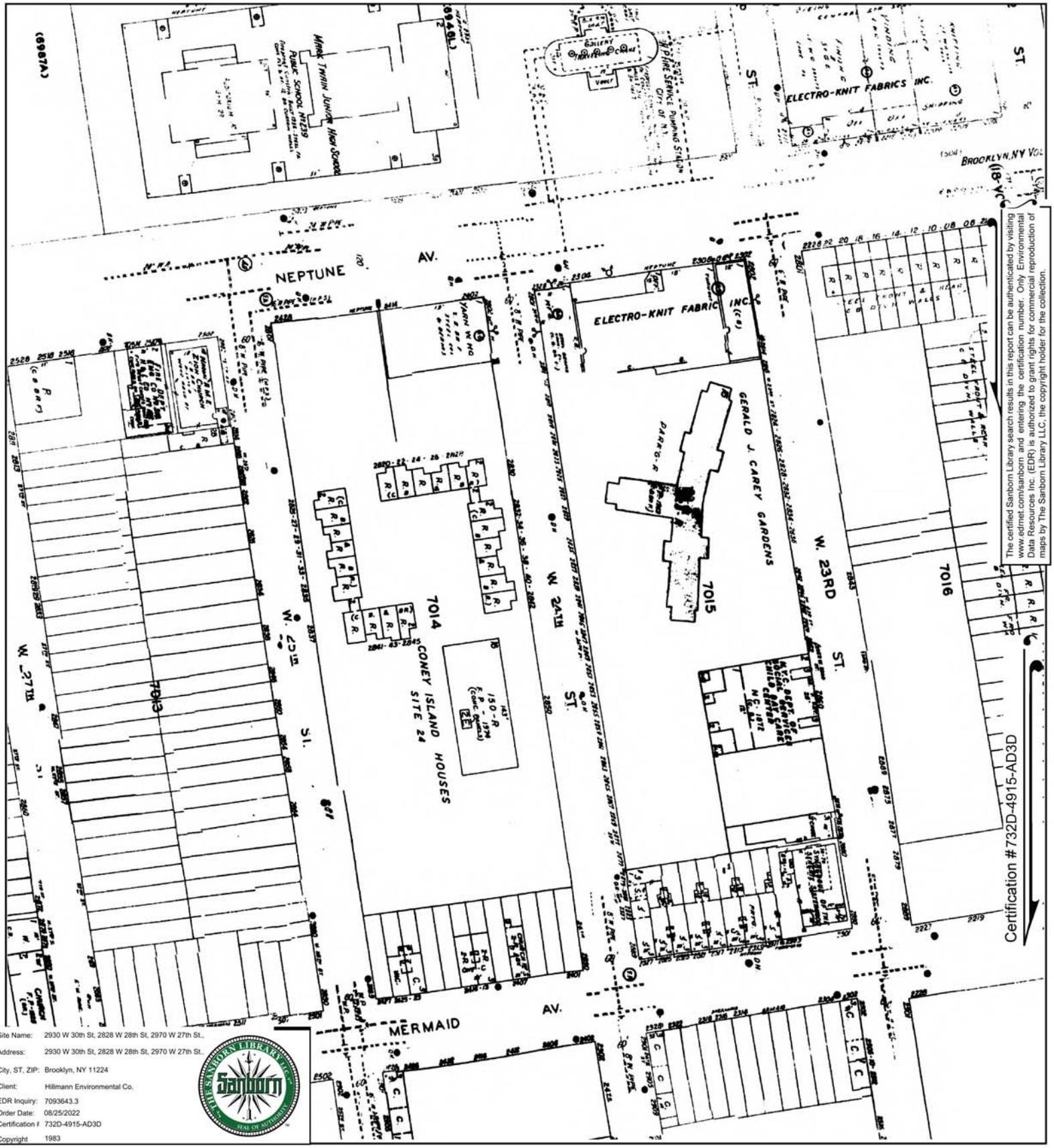

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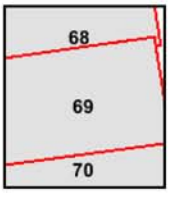

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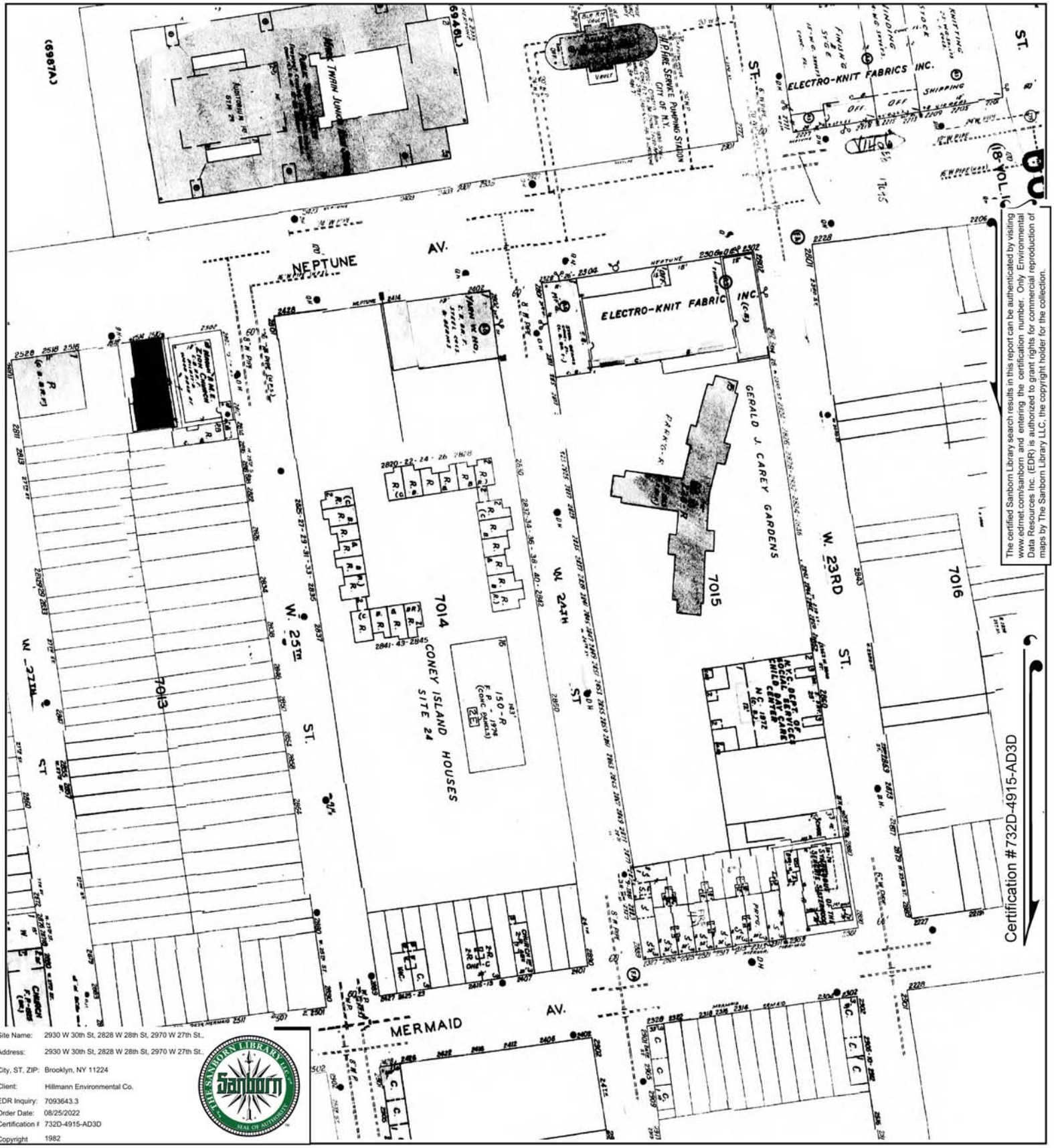

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Copyright	1982

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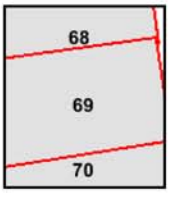

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Copyright: 1981

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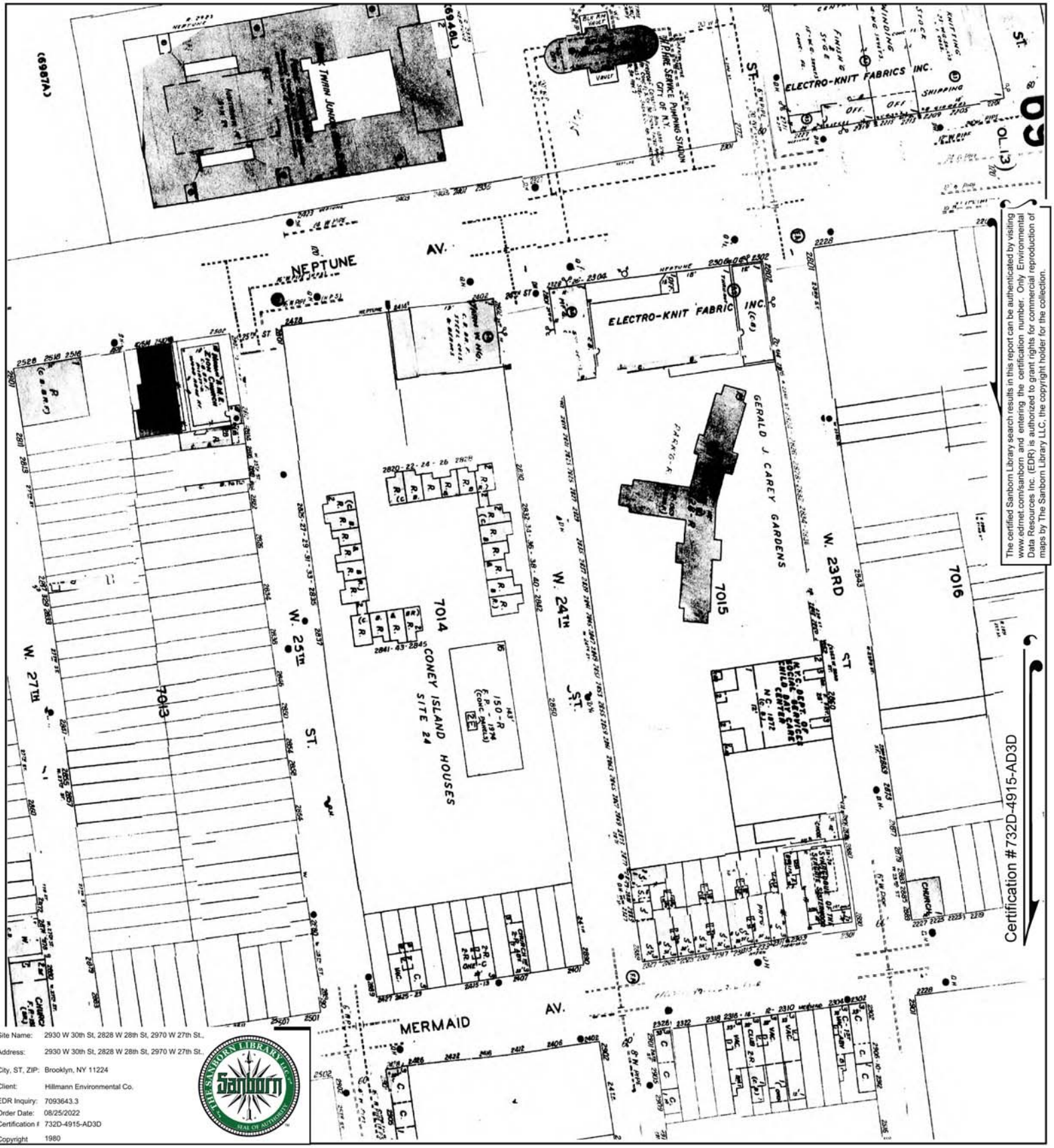

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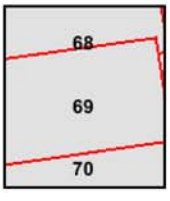

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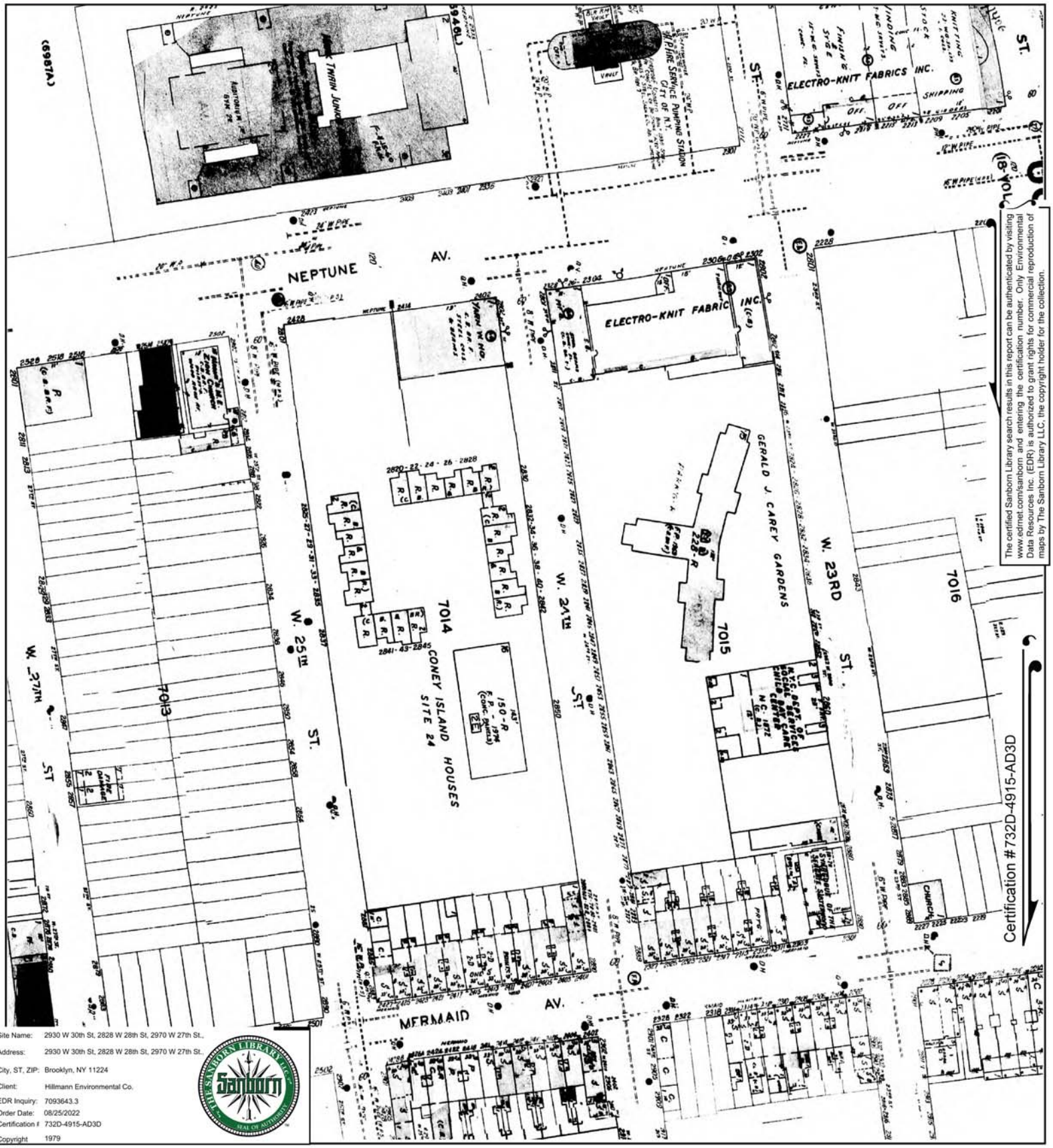

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Certification #	732D-4915-AD3D
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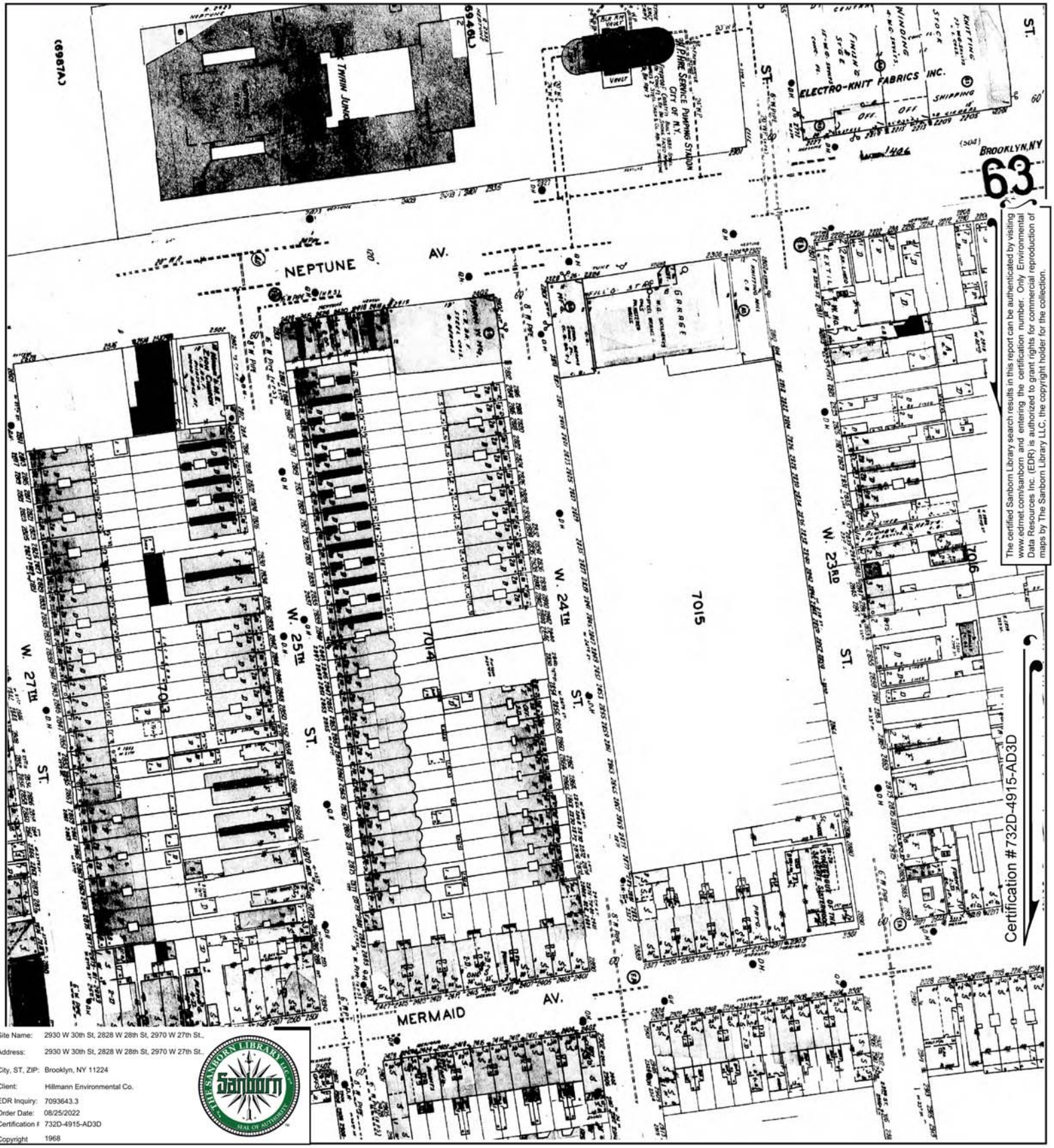
1968



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Copyright 1968

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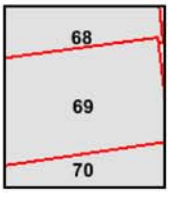

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Certification #: 732D-4915-AD3D
Copyright 1966

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Certification #	732D-4915-AD3D
Copyright	1950

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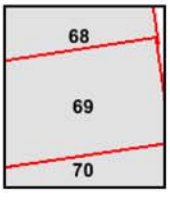

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Certified Sanborn® Map

1930

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Copyright	1930

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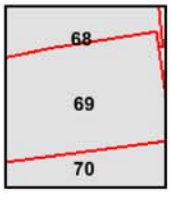

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Copyright 1906

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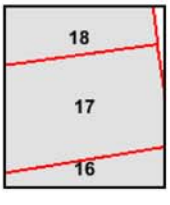

Volume 13, Sheet 18
Volume 13, Sheet 17
Volume 13, Sheet 16

0 Feet 150 300 600

N

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Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1905

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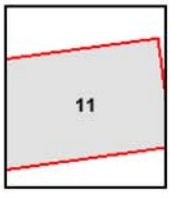
Volume B, Sheet 11



0 Feet 150 300 600

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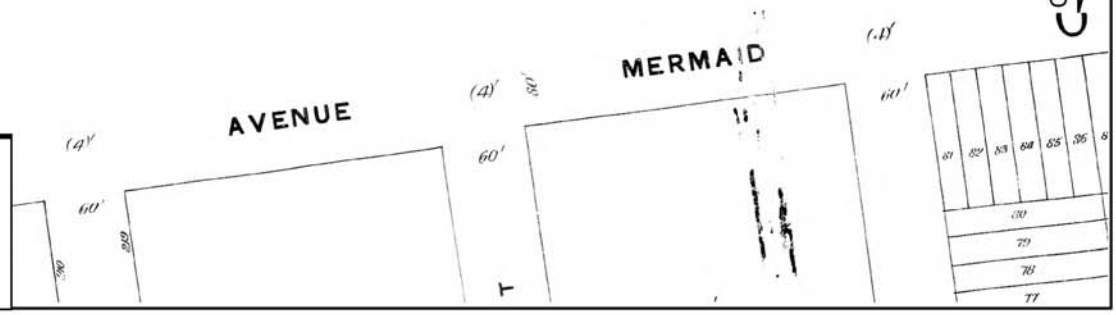
Certification #732D-4915-AD3D



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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright: 1895

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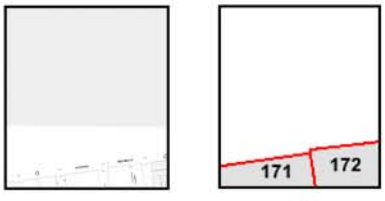

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Volume B, Sheet 171

0 Feet 150 300 600

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2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hillmann Environmental Co. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1982	1930
2006	1993	1981	1906
2005	1992	1980	1905
2004	1991	1979	1895
2003	1989	1977	
2002	1987	1968	
2001	1986	1966	
1996	1983	1950	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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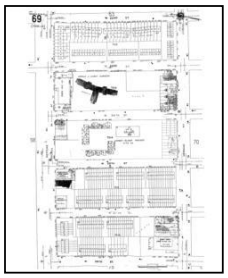
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets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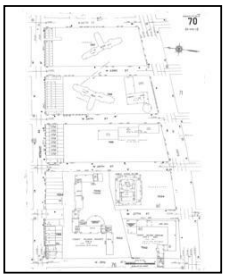
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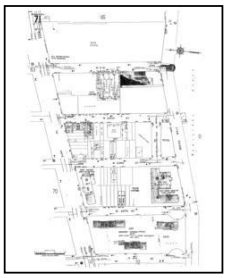
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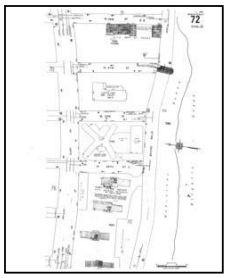
2007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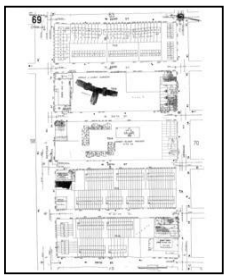
2007

2006 Source Sheets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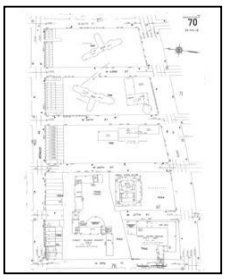
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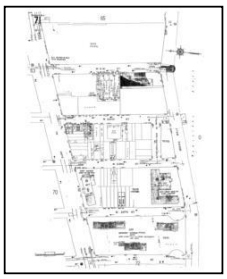
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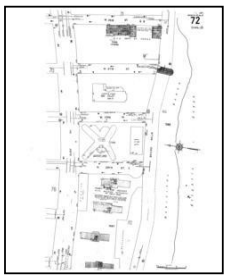
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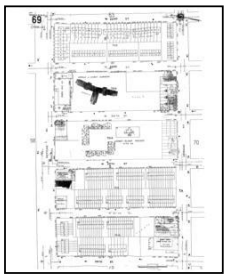
2006

2005 Source Sheets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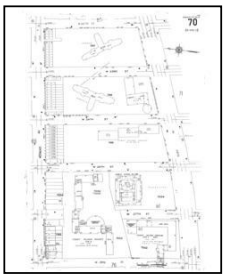
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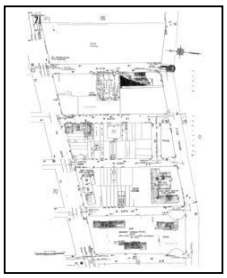
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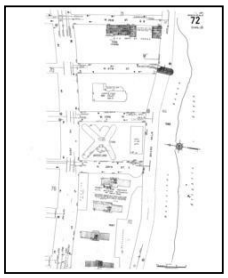
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2005

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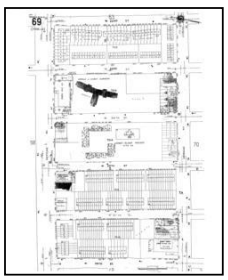
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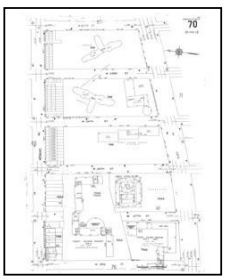
2004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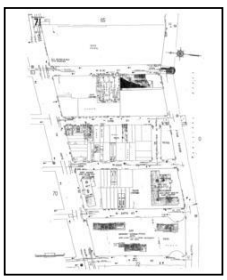
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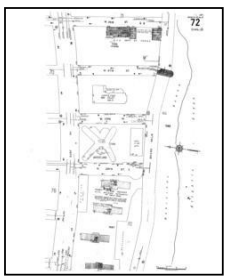
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2004

Sanborn Sheet Key

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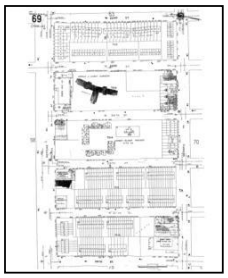
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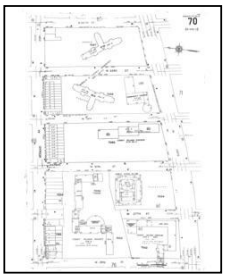
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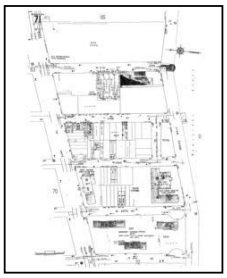
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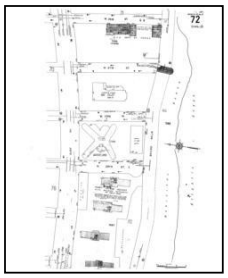
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2003

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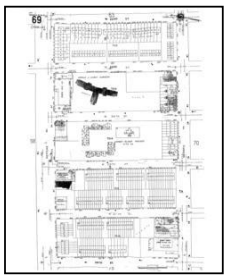
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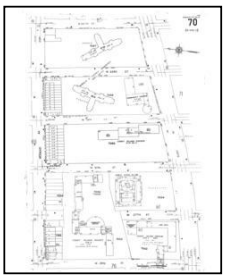
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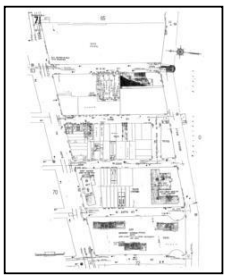
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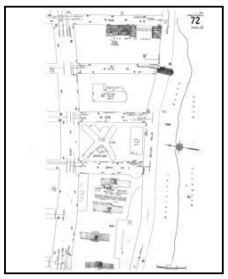
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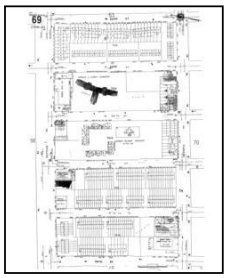
2001 Source Sheets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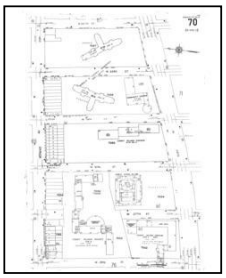
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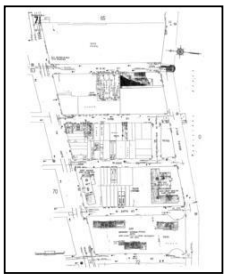
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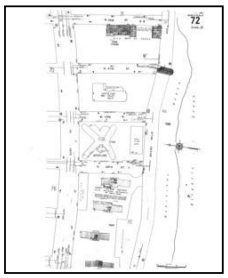
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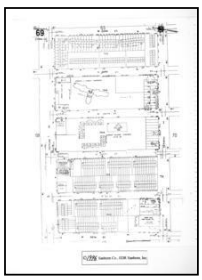
2001

1996 Source Sheets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1996

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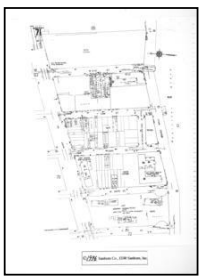
1996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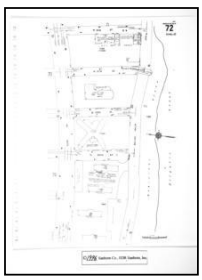
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Sanborn Sheet Key

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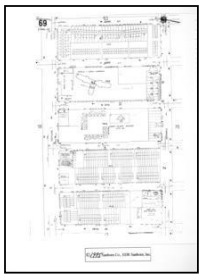
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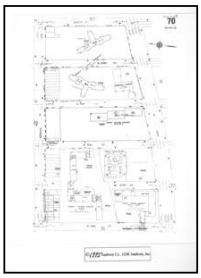
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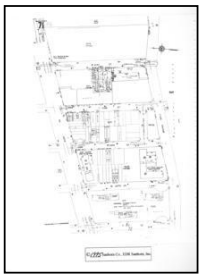
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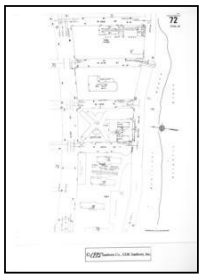
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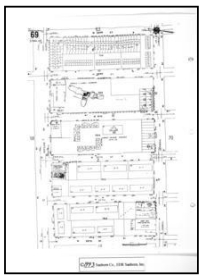
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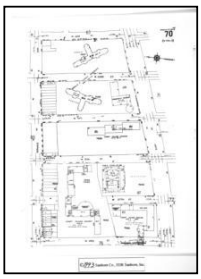
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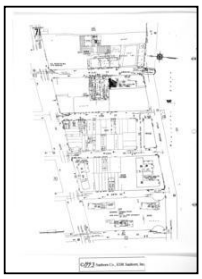
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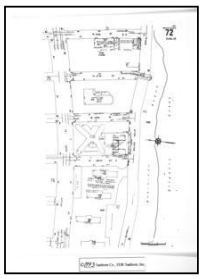
1993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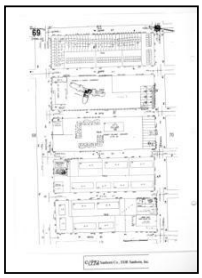
1993

1992 Source Sheets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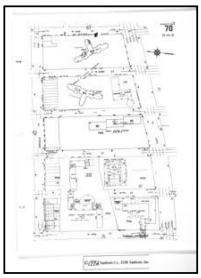
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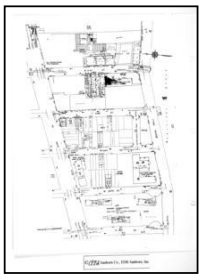
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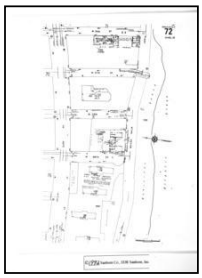
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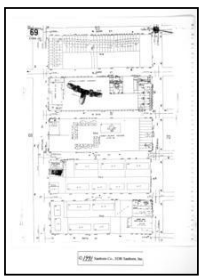
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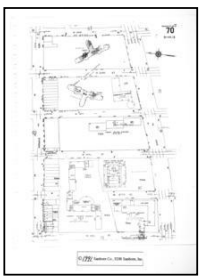
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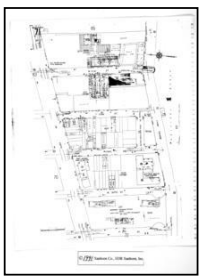
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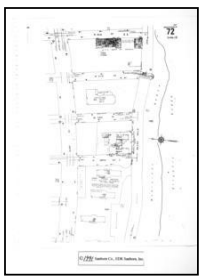
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1991

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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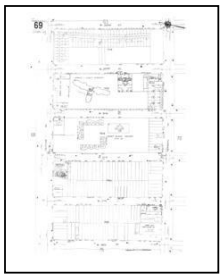
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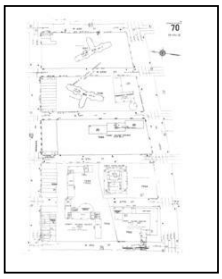
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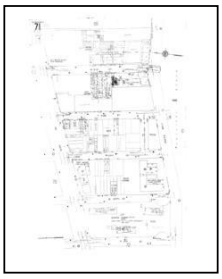
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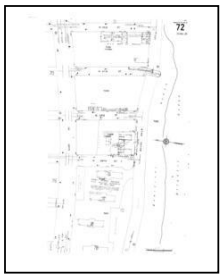
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1989

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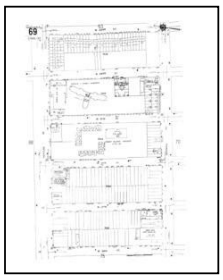
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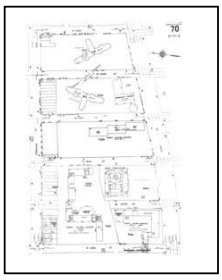
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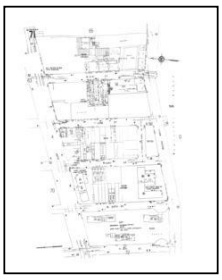
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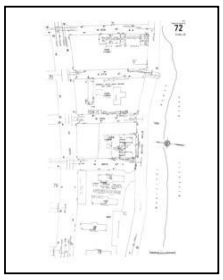
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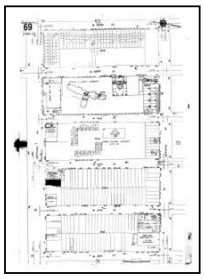
1987

1986 Source Sheets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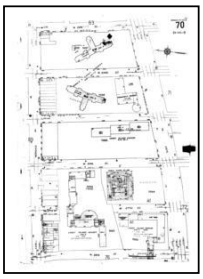
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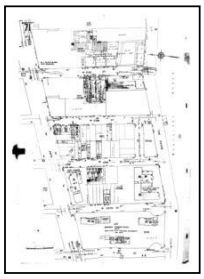
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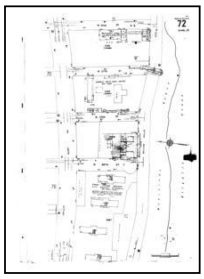
1986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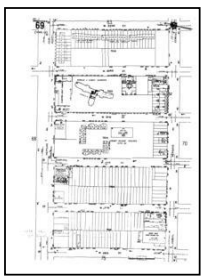
1986

1983 Source Sheets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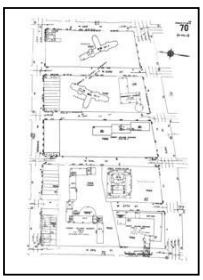
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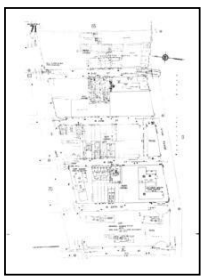
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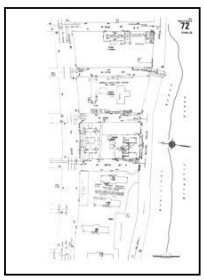
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1983

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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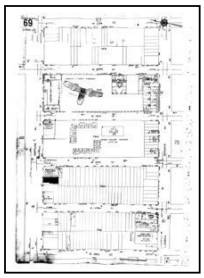
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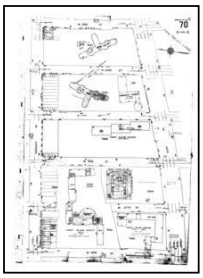
1982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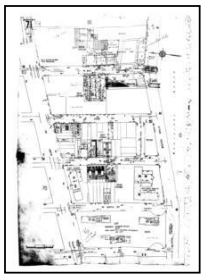
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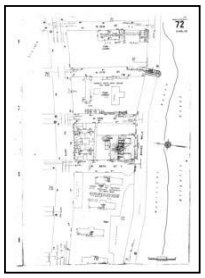
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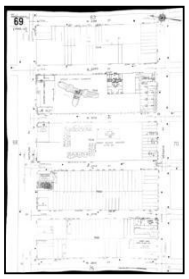
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1981

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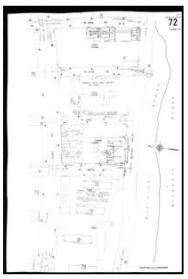
1981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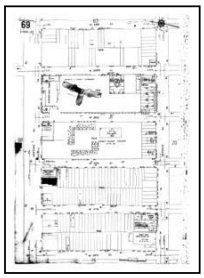
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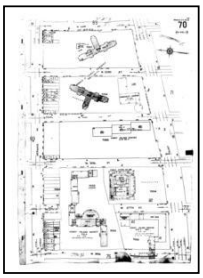
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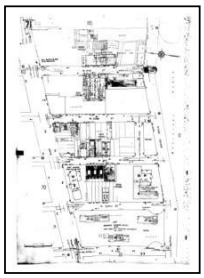
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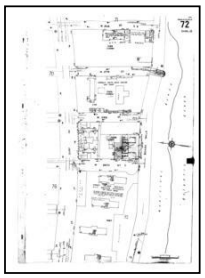
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1980

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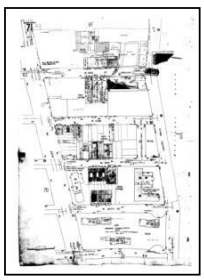
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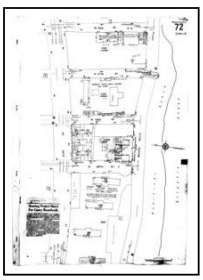
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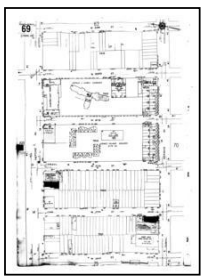
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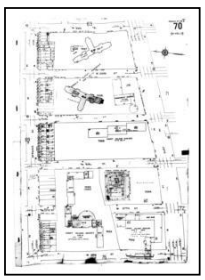
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1979

Sanborn Sheet Key

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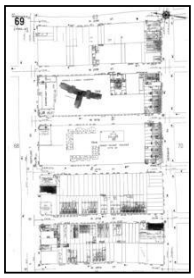
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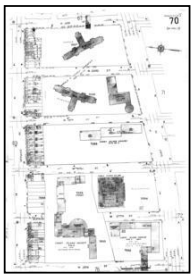
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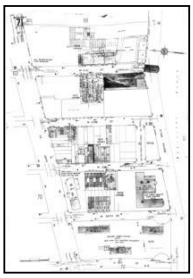
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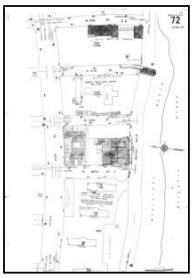
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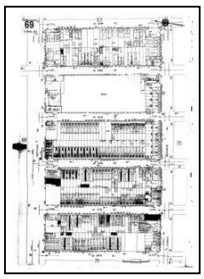
1977

1968 Source Sheets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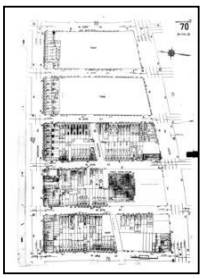
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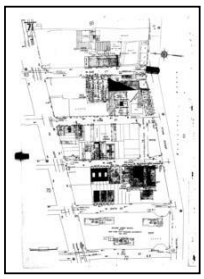
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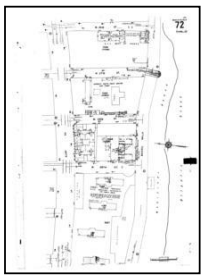
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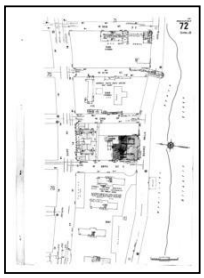
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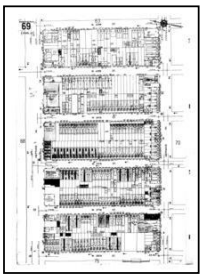
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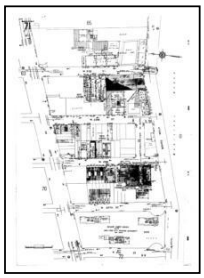
1966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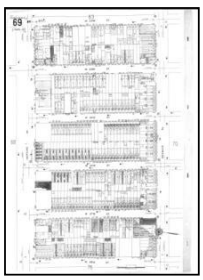
1966

1950 Source Sheets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1950

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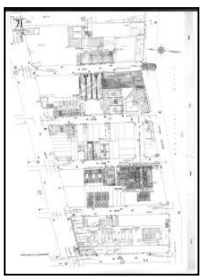
1950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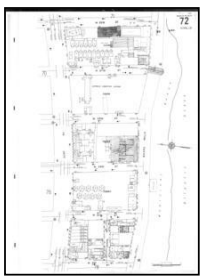
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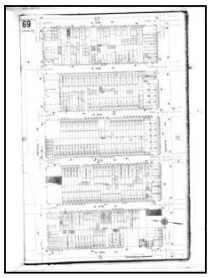
1950

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1930 Source Sheets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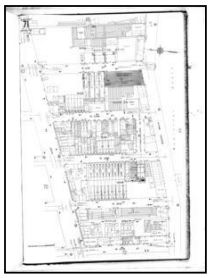
1930

Volume 18, Sheet 70
1930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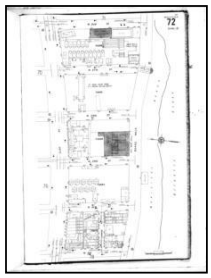
1930


Volume 18, Sheet 72
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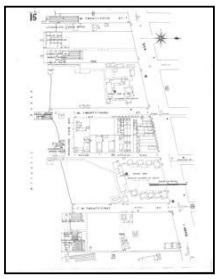
1906 Source Sheets


Volume 13, Sheet 15
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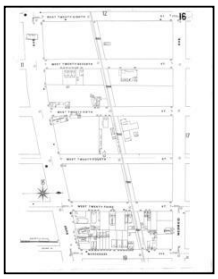
Volume 13, Sheet 16
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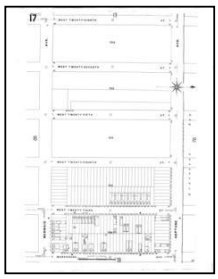
Volume 13, Sheet 17
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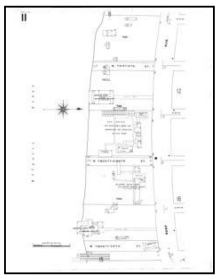
Volume 13, Sheet 11
1906

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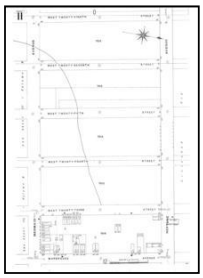
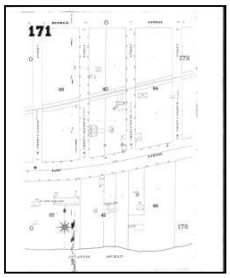
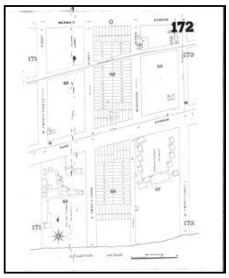

Volume B, Sheet 11
1905

1895 Source Sheets



Volume B, Sheet 171
1895



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1895

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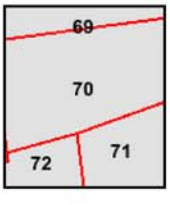

Volume 18, Sheet 72
Volume 18, Sheet 71
Volume 18, Sheet 70
Volume 18, Sheet 69

0 Feet 150 300 600

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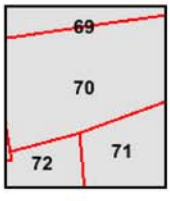

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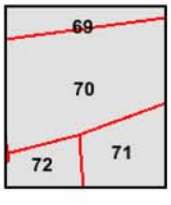

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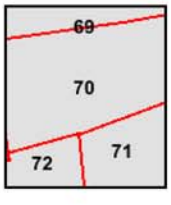

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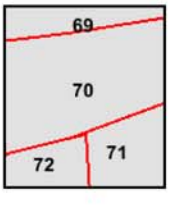

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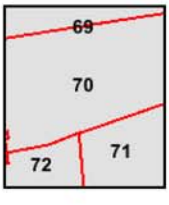

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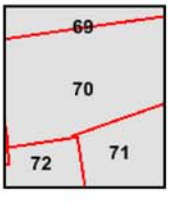

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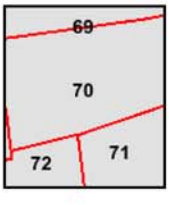

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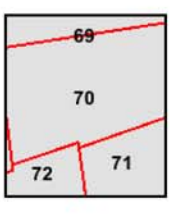

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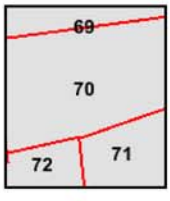

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1992

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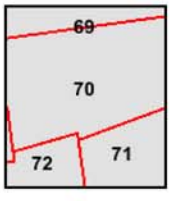

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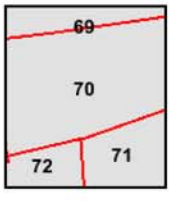

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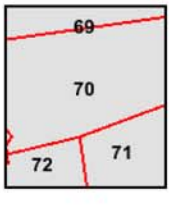

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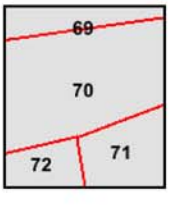

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1986

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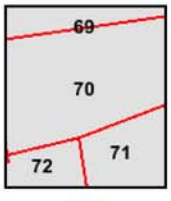

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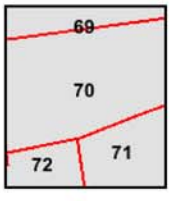

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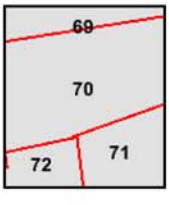

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Volume 18, Sheet 71
Volume 18, Sheet 70
Volume 18, Sheet 69

0 Feet 150 300 600

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Certification #732D-4915-AD3D

Site Name:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1981

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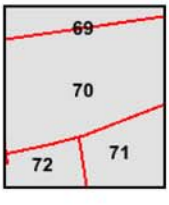

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Volume 18, Sheet 70
Volume 18, Sheet 69

0 Feet 150 300 600

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Site Name:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1980

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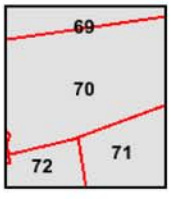

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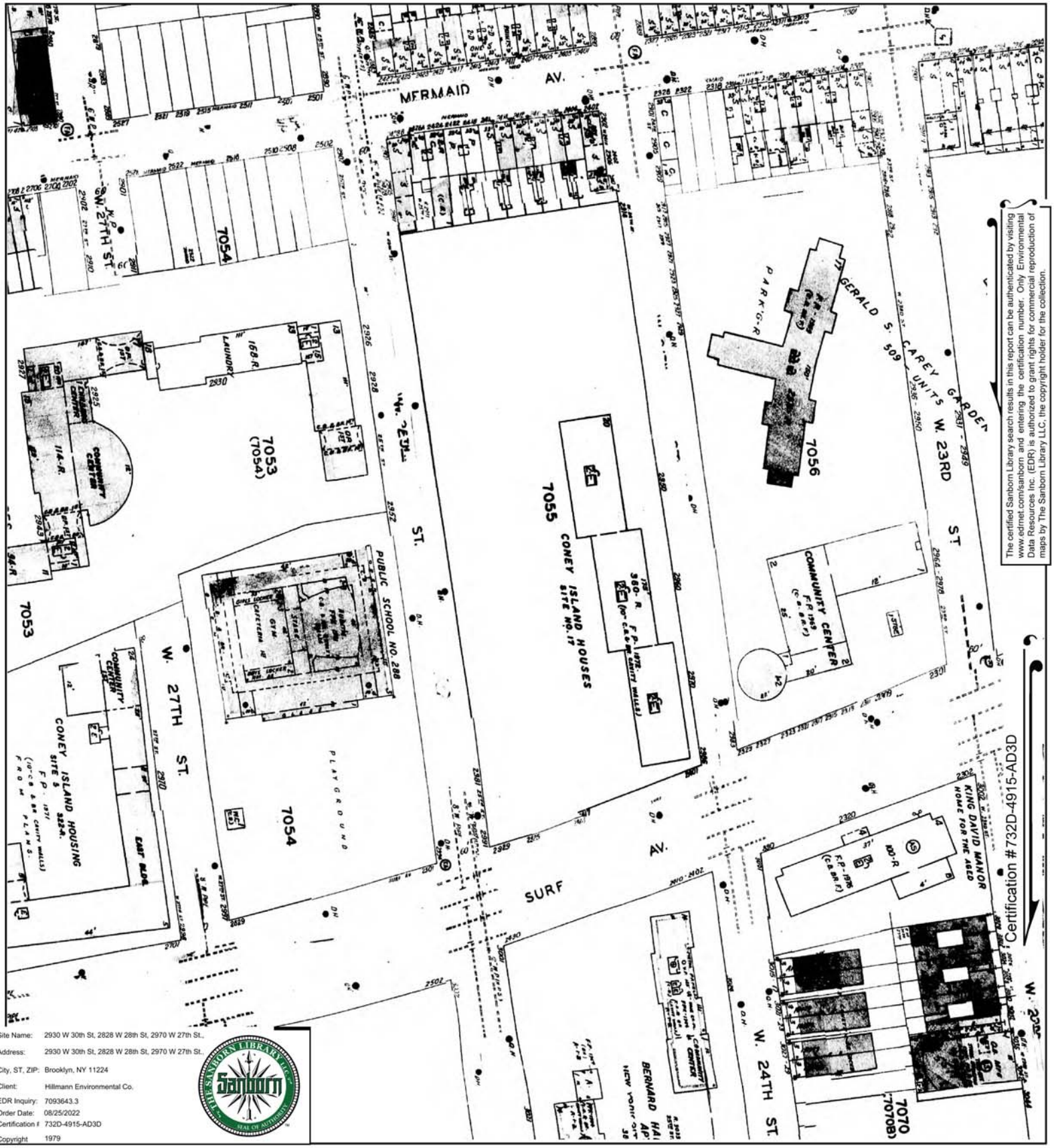
N



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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1979

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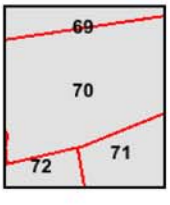

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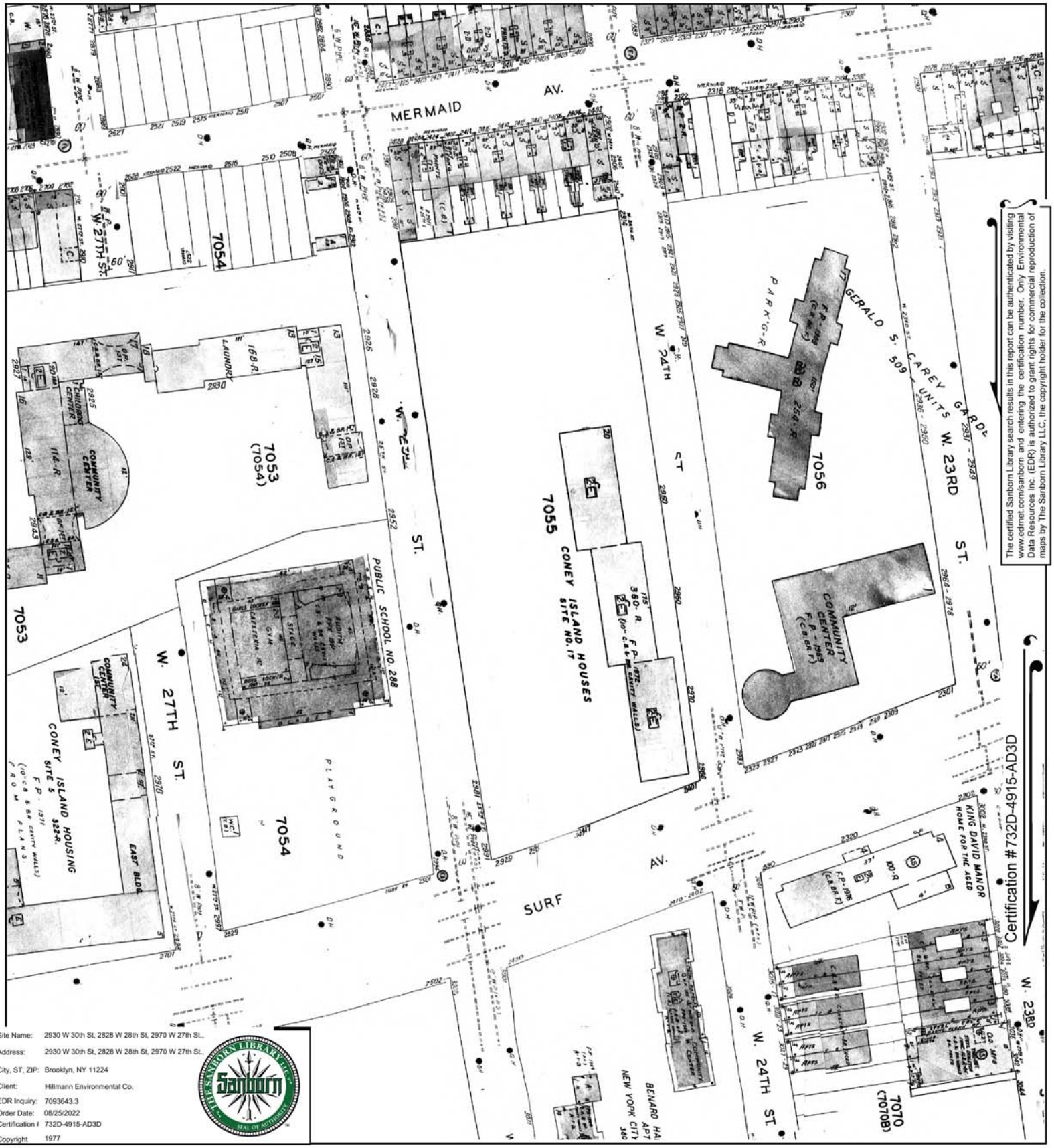
0 Feet 150 300 600

N



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Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1977

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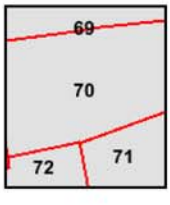

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0 Feet 150 300 600

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
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Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1968

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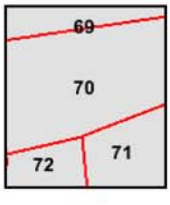

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Volume 18, Sheet 69

0 Feet 150 300 600

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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1966

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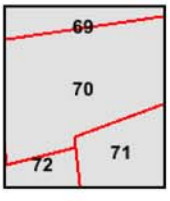

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1950

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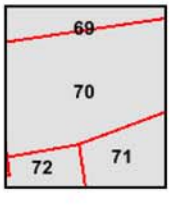

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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1930

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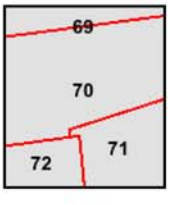

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City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1906

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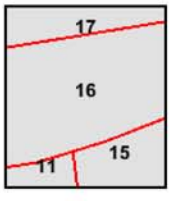

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Volume 13, Sheet 16
Volume 13, Sheet 15

0 Feet 150 300 600

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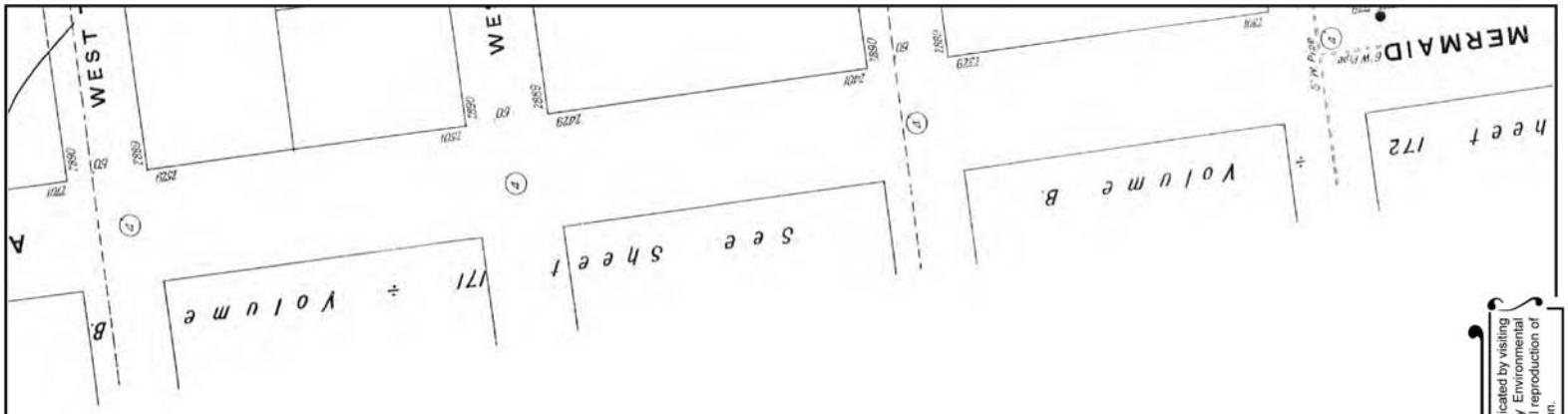

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright: 1905

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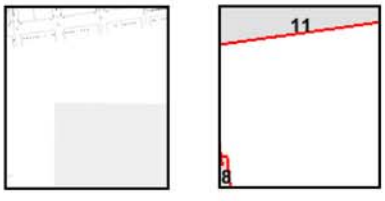

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Site Name:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1895

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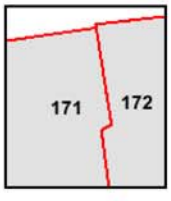

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APPENDIX E

REGULATORY RECORDS DOCUMENTATION

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Brooklyn, NY 11224

Inquiry Number: 7093643.2s
August 22, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Physical Setting Source Records Searched	PSGR-1

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
BROOKLYN, NY 11224

COORDINATES

Latitude (North):	40.5759350 - 40ˆ 34' 33.36''
Longitude (West):	73.9952170 - 73ˆ 59' 42.78''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	585046.0
UTM Y (Meters):	4491957.5
Elevation:	3 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14105972 CONEY ISLAND, NY
Version Date:	2019
West Map:	14071946 THE NARROWS, NY
Version Date:	2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150522
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
BROOKLYN, NY 11224

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LOT 11,TAXBLOCK 7011	2828 WEST 28 STREET	NY E DESIGNATION		TP
A2		2970 WEST 27 STREET	NY LEAD		TP
A3		2930 WEST 30TH	ERNS		TP
A4	SEA PARK NORTH HDFC	2828 WEST 28TH STREE	NY UST, NY AST		TP
A5		2930 WEST 30 STREET	NY LEAD		TP
A6	SEA PARK WEST HDFC	2930 WEST 30TH STREE	NY UST, NY AST		TP
B7	SEA PARK EAST LP	2980 WEST 28TH STREE	NY UST, NY AST	Higher	1 ft.
B8	SPILL NUMBER 8805112	2980 W. 28TH ST	NY Spills	Higher	1 ft.
B9		2980 WEST 28 STREET	NY LEAD	Higher	1 ft.
C10	CONEY ISLAND I SITE	2925 WEST 27TH STREE	NY AST	Higher	11, 0.002, SE
C11	CONEY ISLAND I SITE	2925 WEST 27TH STREE	NY UST	Higher	11, 0.002, SE
D12	CON EDISON	2871 SURF AVE	NY MANIFEST	Higher	21, 0.004, South
E13	CON EDISON	2955 W 29TH ST	NY Spills, NY MANIFEST	Higher	26, 0.005, South
E14	CON EDISON - MANHOLE	2955 WEST 29 TH ST	RCRA-LQG	Higher	26, 0.005, South
A15	2827 MERMAID AVENUE	2827 MERMAID AVENUE	NY Spills	Higher	28, 0.005, South
A16	LOT 54,TAXBLOCK 7011	2827 MERMAID AVENUE	NY E DESIGNATION	Higher	28, 0.005, South
A17	2827 MERMAID AVENUE	2827 MERMAID AVENUE	NY SPILLS 90	Higher	28, 0.005, South
F18	CON EDISON VAULT # 5	WEST 28TH STREET & M	NY Spills	Lower	30, 0.006, ESE
F19	CON EDISON VAULT #58	WEST 28TH STREET & M	NY Spills	Lower	30, 0.006, ESE
G20	SURFSIDE -NYCHA	2926 WEST 27TH STREE	NY LTANKS	Higher	36, 0.007, SE
E21	CON EDISON MANHOLE:	2965 W 29TH ST	RCRA NonGen / NLR, NY MANIFEST	Higher	46, 0.009, South
H22	LOT 1,TAXBLOCK 7011	2828 NEPTUNE AVENUE	NY E DESIGNATION	Lower	51, 0.010, North
A23	LOT 53,TAXBLOCK 7011	2825 MERMAID AVENUE	NY E DESIGNATION	Higher	52, 0.010, South
A24	LOT 49,TAXBLOCK 7011	2815 MERMAID AVENUE	NY E DESIGNATION	Higher	52, 0.010, SE
A25	LOT 51,TAXBLOCK 7011	2819 MERMAID AVENUE	NY E DESIGNATION	Higher	54, 0.010, SSE
A26	RESIDENCE	2819 MERMAID AVE	NY LTANKS	Higher	54, 0.010, SSE
A27	LOT 47,TAXBLOCK 7011	2809 MERMAID AVENUE	NY E DESIGNATION	Higher	54, 0.010, SE
A28	LOT 52,TAXBLOCK 7011	2823 MERMAID AVENUE	NY E DESIGNATION	Higher	54, 0.010, SSE
F29	USPS - CONEY ISLAND	2727 MERMAID AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	60, 0.011, East
I30	CON EDISON	W 30TH ST & SURF AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	62, 0.012, South
H31	MANHOLE #36383	NEPTUNE AV & W 28TH	NY Spills	Lower	65, 0.012, North
A32	LOT 46,TAXBLOCK 7011	2807 MERMAID AVENUE	NY E DESIGNATION	Lower	69, 0.013, ESE
A33	LOT 45,TAXBLOCK 7011	2805 MERMAID AVENUE	NY E DESIGNATION	Lower	73, 0.014, ESE
D34	CON EDISON MANHOLE:	3047 W 29TH ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	73, 0.014, South
J35	CON EDISON - SERVICE	2960 W 31 ST	RCRA-LQG	Higher	75, 0.014, SSW
J36	CON EDISON - SERVICE	2960 W 31 ST	NY MANIFEST	Higher	75, 0.014, SSW
J37	CON EDISON	2960 W 31ST	NY MANIFEST	Higher	75, 0.014, SSW
J38	CON EDISON	2960 W 31 ST	NY MANIFEST	Higher	75, 0.014, SSW
K39	NYC DEPT OF EDUCATIO	2929 W 30TH ST	RCRA-SQG	Higher	76, 0.014, SSW

MAPPED SITES SUMMARY

Target Property Address:
2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
BROOKLYN, NY 11224

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40	NYC DEPT OF EDUCATIO	2929 W 30TH ST	NY AST, NY Spills, NY MANIFEST	Higher	76, 0.014, SSW
J41	SURFSIDE GARDENS (B	2940 WEST 31ST STREE	NY LTANKS, NY UST, NY Spills	Higher	76, 0.014, SW
J42	SURFSIDE GARDENS (B	2940 WEST 31ST STREE	NY AST	Higher	76, 0.014, SW
D43	METROPOLITAN JEWISH	3023 WEST 29TH STREE	NY AST	Higher	79, 0.015, South
I44	CON EDISON SERVICE B	3010 SURF AVE FRONT	RCRA NonGen / NLR, FINDS	Higher	82, 0.016, SSW
I45	CON EDISON	3010 SURF AVE FRONT	NY MANIFEST	Higher	82, 0.016, SSW
I46	CON EDISON	3030 SURF AVE	NY MANIFEST	Higher	82, 0.016, SSW
I47	CON EDISON	3030 SURF AVE	NJ MANIFEST	Higher	82, 0.016, SSW
I48	CON EDISON	3030 SURF AVE	RCRA NonGen / NLR	Higher	82, 0.016, SSW
I49	NYCHA - CONEY ISLAND	3002 SURF AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	83, 0.016, South
I50	CONEY ISLAND HOUSES	3020 SURF AVENUE	NY LTANKS, NY UST, NY AST, NY Spills	Higher	83, 0.016, SSW
A51	INTERSECTION 129TH S	INTERSECTION 129TH S	NY Spills	Higher	85, 0.016, SSW
A52	MANHOLE 36339	MERMAID AVE & WEST 2	NY Spills	Higher	86, 0.016, SSW
A53	MANHOLE 71777	W 29TH ST & MERMAID	NY Spills	Higher	86, 0.016, SSW
G54	NYCDEP	2927 W 27TH ST	RCRA NonGen / NLR, NJ MANIFEST, NY MANIFEST	Lower	89, 0.017, ESE
J55	NYCHA - CONEY ISLAND	3110 SURF AVE	RCRA-SQG	Higher	97, 0.018, SSW
J56	NYCHA - CONEY ISLAND	3110 SURF AVE	RCRA-VSQG	Higher	97, 0.018, SSW
F57	IFO (SERVICE BOX #36	2715 MERMAID AVE	NY Spills	Lower	101, 0.019, East
I58	LOT 54,TAXBLOCK 7051	2919 SURF AVENUE	NY E DESIGNATION	Higher	103, 0.020, South
A59	CON EDISON - VAULT S	2900 MERMAID AVE	RCRA-LQG	Higher	108, 0.020, SSW
A60	LOT 4,TAXBLOCK 7064	2900 MERMAID AVENUE	NY E DESIGNATION	Higher	108, 0.020, SSW
A61	VAULT ZS5234	2900 MERMAID AVE	NY Spills	Higher	108, 0.020, SSW
A62	CON EDISON	2900 MERMAID AVE	NY MANIFEST	Higher	108, 0.020, SSW
D63	CON EDISON - MH 7177	W. 29TH ST. & SURF A	RCRA NonGen / NLR, NY MANIFEST	Higher	110, 0.021, South
D64	CON EDISON MANHOLE:	W 29TH ST & SURF AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	119, 0.023, South
B65	2730 SURF AVE	2730 SURF AVE	NY Spills	Higher	122, 0.023, SSE
B66	2730 SURF AVE	2730 SURF AVE	NY SPILLS 90	Higher	122, 0.023, SSE
C67	SURF PLAYGROUND	2501 SURF AVENUE	NY UST	Higher	135, 0.026, SE
C68	NYC PARKS	2501 SURF AVE	NY Spills	Higher	135, 0.026, SE
D69	CON EDISON - MANHOLE	3028 W 29TH ST	RCRA-LQG, NY MANIFEST	Higher	144, 0.027, South
D70	CON EDISON - MANHOLE	3028 WEST 29TH ST	RCRA-LQG, NY MANIFEST	Higher	144, 0.027, South
71	TRANSFORMER 4364	WEST 31ST ST/SURF AN	NY Spills	Higher	148, 0.028, SSW
I72	CON EDISON - MANHOLE	2913 SURF AVE	RCRA-LQG	Higher	149, 0.028, South
I73	CON EDISON - MANHOLE	2913 SURF AVE	NY MANIFEST	Higher	149, 0.028, South
L74	RITTE AID 4257	3001-27 MERMAID AVE	PA MANIFEST	Higher	168, 0.032, WSW
L75	RITE AID #04257	3001-27 MERMAID AVE	RCRA-VSQG	Higher	168, 0.032, WSW
L76	RITE AID #4257	3001-27 MERMAID AVE	NY MANIFEST	Higher	168, 0.032, WSW
M77	VAULT 3996	SURF AVENUE AT 25TH	NY Spills	Higher	185, 0.035, SE
N78	MANHOLE 71777	WEST 29TH STREET+MER	NY Spills	Higher	185, 0.035, South

MAPPED SITES SUMMARY

Target Property Address:
2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
N79	MANHOLE 71777	W 29TH ST /MERMAID A	NY Spills	Higher	185, 0.035, South
D80	LOT 48,TAXBLOCK 7051	2907 SURF AVENUE	NY E DESIGNATION	Higher	198, 0.038, South
H81	CON EDISON MANHOLE:	S NEPTUNE AVE & W 29	RCRA NonGen / NLR, NY MANIFEST	Lower	201, 0.038, NNW
D82	MANHOLE #71776	WEST 29TH ST/NESURF	NY Spills	Higher	234, 0.044, South
D83	TS 6002	WEST 29TH ST SURF AV	NY Spills	Higher	234, 0.044, South
D84	WEST 29TH ST & SURF	W. 29TH ST & SURF AV	NY Spills	Higher	234, 0.044, South
D85	VAULT 5977	WEST 29TH ST/SURF AV	NY Spills	Higher	234, 0.044, South
D86	VS 4031	SURF ST/W 29TH ST	NY Spills	Higher	234, 0.044, South
M87	CON EDISON MANHOLE:	SURF AVE & W 25TH ST	RCRA NonGen / NLR, NY MANIFEST	Higher	272, 0.052, SE
O88	NYC SCHOOL CONSTRUCT	2950 W 25TH ST	RCRA NonGen / NLR, NY MANIFEST	Lower	272, 0.052, ESE
O89	NYC SCHOOL CONSTRUCT	2950 WEST 25TH STREE	PA MANIFEST	Lower	272, 0.052, ESE
O90	SANDY FOLLOW UP	2950 WEST 25TH STREE	NY AST, NY Spills	Lower	272, 0.052, ESE
O91	NYC DEPT OF EDUCATIO	2950 W 25TH ST	RCRA-SQG, NY MANIFEST	Lower	272, 0.052, ESE
M92	CON EDISON - VS 5766	WEST 25 ST & SURF AV	RCRA NonGen / NLR, NY MANIFEST	Higher	276, 0.052, SE
M93	CONEY ISLAND GARAGE	WEST 25TH STREET AND	NY AST	Higher	276, 0.052, SE
M94	CONEY ISLAND GARAGE	WEST 25TH STREET AND	NY UST	Higher	276, 0.052, SE
M95	CONEY ISLAND MAINT G	3026 WEST 25TH ST	NY Spills	Higher	278, 0.053, SE
M96	CONEY ISLAND GARAGE	WEST 25TH STREET & S	NY LTANKS	Higher	278, 0.053, SE
M97	CONEY ISLAND GARAGE	WEST 25TH STREET & S	NY LTANKS	Higher	278, 0.053, SE
M98	CONEY ISLAND GARAGE	WEST 25TH STREET & S	NY Spills	Higher	278, 0.053, SE
M99	CONEY ISLAND GARAGE	WEST 25 & SURF AV	NY Spills	Higher	278, 0.053, SE
M100	CONSTRUCTION SITE	3026 W25TH ST	NY Spills	Higher	301, 0.057, SE
O101	NYCHA - SURFSIDE GAR	2926 W 25TH ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	305, 0.058, ESE
P102	NYNEX	W 27TH ST & NEPTUNE	NY MANIFEST	Lower	325, 0.062, NNE
M103	HABER HOUSES (CAREY	3033 WEST 25TH STREE	NY LTANKS, NY UST, NY Spills	Higher	329, 0.062, SE
Q104	POLE 63537	2877 W 27 ST	NY Spills	Lower	338, 0.064, East
105	MANHOLE 67445	WEST 32ND ST &MERMAI	NY Spills	Higher	356, 0.067, WSW
R106	SURF AVE & W 32ND ST	SURF AVE & W 32ND ST	NY Spills	Higher	363, 0.069, SSW
S107	CON EDISON - MANHOLE	2930 NEPTUNE AVE	RCRA-LQG	Higher	406, 0.077, NW
S108	CON EDISON	2930 NEPTUNE AVE FRO	NY MANIFEST	Higher	406, 0.077, NW
109	MANHOLE #36348	W 25TH ST & MERMAID	NY Spills	Lower	430, 0.081, ESE
T110	POLE 20462	OPP 2867 W 32 ST	NY Spills	Higher	441, 0.084, West
S111	OVERHEAD POLE 69014	2822 WEST 30TH ST	NY Spills	Higher	478, 0.091, NW
Q112	CON EDISON	MERMAID AVE AND W 25	NY MANIFEST	Lower	488, 0.092, East
P113	FIRE HOUSE ENG. 318	2510 NEPTUNE AVENUE	NY AST	Lower	503, 0.095, NE
U114	CON EDISON	3000 W 24TH ST	NY MANIFEST	Higher	526, 0.100, ESE
U115	CON EDISON	2410 SURF AVE	NY MANIFEST	Higher	540, 0.102, SE
U116	NOTH CRAB COMPARTMEN	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE
U117	TRANSFORMER VAULT VS	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
U118	VS 5762	WEST 24TH /SURF AVE	NY Spills	Higher	574, 0.109, ESE
U119	TRANSFORMER VAULT #V	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE
U120	VAULT #5747	W 24TH ST/SURF AVE	NY Spills	Higher	574, 0.109, ESE
U121	SOUTH CRAB COMPARTME	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE
U122	TRANSFORMER VAULT VS	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE
V123	O'DWYER GARDENS (SUR	2959 WEST 33RD STREE	NY LTANKS, NY UST, NY Spills	Higher	592, 0.112, SW
V124	O'DWYER GARDENS (SUR	2959 WEST 33RD STREE	NY AST	Higher	592, 0.112, SW
V125	NYCHA - ODWYER GARDE	2963 W 33RD ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	592, 0.112, SW
V126	NYC HOUSING AUTHORIT	2951 WEST 33RD ST	NY Spills	Higher	592, 0.112, SW
R127	NYCHA - ODWYER	2995 W 33RD ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	592, 0.112, SW
W128	O'DYER GARDENS	2951 W. 33RD ST	NY LTANKS	Higher	596, 0.113, WSW
W129	NYCHA - ODWYER GARDE	2935 W 33RD ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	600, 0.114, SW
X130	CONEY ISLAND CREEK	2529 NEPTUNE AVE	NY Spills	Lower	601, 0.114, North
X131	CREEK	2529 NEPTUNE AVE	NY Spills	Lower	601, 0.114, North
X132	KAISER PARK	2529 NEPTUNE AVE	NY Spills	Lower	601, 0.114, North
Y133	CON EDISON MANHOLE:	3018 W 24TH ST OPPOS	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	610, 0.116, SE
Y134	CON EDISON MANHOLE:	3018 W 24TH ST OPPOS	NJ MANIFEST	Higher	610, 0.116, SE
Z135	CAREY GARDENS	2955 WEST 24TH STREE	NY UST	Lower	610, 0.116, ESE
Z136	NYC-HA CAREY GARDENS	2955 W 24TH STREET	RCRA-SQG, ICIS, US AIRS, NY MANIFEST	Lower	610, 0.116, ESE
AA137	MAINTENANCE BUILDING	WEST 25TH STREET & B	NY AST	Higher	615, 0.116, SE
V138	SPILL NUMBER 9809231	WEST 33RD ST/SURF AV	NY Spills	Higher	639, 0.121, SW
V139	VAULT 43551	WEST 33RD ST/SURF AV	NY Spills	Higher	639, 0.121, SW
140	GAS ODORS AT RINGELM	2901 RINGELMAN BOARD	NY Spills	Higher	647, 0.123, South
AB141	ROADWAY	MERMAID AVE AND WEST	NY Spills	Higher	652, 0.123, WSW
AB142	CON EDISON	W 33 ST AND MERMAID	NY MANIFEST	Higher	652, 0.123, WSW
T143	SURFSIDE GARDENS	2839 WEST 32ND STREE	NY UST	Higher	666, 0.126, West
T144	NYCHA - SURFSIDE GAR	2839 W 32ND ST	RCRA NonGen / NLR	Higher	666, 0.126, West
AB145	CON EDISON	2908 W 33RD ST	NY MANIFEST	Higher	716, 0.136, WSW
V146	FEDERATION EMPLOYMEN	3312 SURF AVENUE	NY UST	Higher	728, 0.138, SW
AB147	CON EDISON	2888 W 33 ST	NY MANIFEST	Higher	733, 0.139, WSW
AB148	CON EDISON	2888 W 33 ST	NY MANIFEST	Higher	733, 0.139, WSW
AC149	NYC DEPT OF EDUCATIO	2401 NEPTUNE AVE	NY Spills, NY MANIFEST	Lower	737, 0.140, NE
AC150	NYC DEPT OF EDUCATIO	2401 NEPTUNE AVE	RCRA-SQG, FINDS, ECHO	Lower	737, 0.140, NE
AC151	I.S. 239 - BROOKLYN	2401 NEPTUNE AVENUE	NY AST	Lower	737, 0.140, NE
AD152	CON EDISON	2400 MERMAID AVE	NY MANIFEST	Lower	739, 0.140, East
AD153	CON EDISON	2400 MERMAID AVE	NY MANIFEST	Lower	739, 0.140, East
AE154	NYCHA - CONEY ISLAND	3058 W 24TH ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	767, 0.145, SE
AE155	NYCHA - CONEY ISLAND	3058 W 24TH ST	NJ MANIFEST	Higher	767, 0.145, SE
AD156	CON EDISON	FO 2850 W 24TH ST	NY MANIFEST	Lower	791, 0.150, East

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AF157	CON EDISON - MANHOLE	2315 SURF AVE	RCRA-LQG, NY MANIFEST	Higher	825, 0.156, ESE
AA158	KAISER PARK	WEST 25TH STREET & B	NY UST	Higher	847, 0.160, SSE
AF159	CON EDISON	W 23RD ST & SURF AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	871, 0.165, ESE
AG160	CON EDISON - VAULT S	2946 W 23RD ST	RCRA-LQG	Lower	883, 0.167, ESE
AG161	CON EDISON - VAULT S	2946 W 23RD ST	NY MANIFEST	Lower	883, 0.167, ESE
AG162	CON EDISON - VAULT V	2946 W 23RD ST	NY MANIFEST	Lower	883, 0.167, ESE
AG163	CON EDISON - VAULT V	2946 W 23RD ST	RCRA-LQG	Lower	883, 0.167, ESE
AH164	CON EDISON MANHOLE:	2811 W 32ND ST FRONT	NJ MANIFEST	Higher	894, 0.169, WNW
AH165	CON EDISON MANHOLE:	2811 W 32ND ST FRONT	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	894, 0.169, WNW
AG166	CAREY GARDENS -NYCHA	2955 WEST 23RD ST	NY LTANKS, NY Spills	Higher	914, 0.173, ESE
167	CON EDISON - MANHOLE	WEST 35TH ST	RCRA-LQG, NY MANIFEST	Higher	918, 0.174, SW
AG168	NYCHA - CAREY GARDEN	2945-49 W 23RD ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	925, 0.175, East
AI169	CONEY ISLAND SITE 8	2950 WEST 35TH STREE	NY UST, NY AST	Higher	943, 0.179, WSW
AI170	APARTMENT -NYCHA	2950 WEST 35TH STREE	NY LTANKS, NY Spills	Higher	943, 0.179, WSW
AJ171	CON EDISON MANHOLE:	2302 MERMAID AVE	RCRA NonGen / NLR, NY MANIFEST	Lower	945, 0.179, East
AC172	NEPTUNE PUMPING STAT	2327 NEPTUNE AVE	NY TANKS	Lower	959, 0.182, NE
AK173	SURFSIDE HOUSES -NYC	2839 W 33RD STREET	NY LTANKS	Higher	975, 0.185, West
AJ174	CON EDISON	MERMAID AVE & W 23RD	NY MANIFEST	Lower	1024, 0.194, East
AJ175	CON EDISON MANHOLE:	MERMAID AVE & W 23RD	RCRA NonGen / NLR	Lower	1024, 0.194, East
176	SPECIAL HOSPITAL		FUDS	Higher	1051, 0.199, SE
AH177	NYNEX	32ND ST & NEPTUNE AV	NY MANIFEST	Higher	1053, 0.199, WNW
AL178	NEPTUNE AVENUE PUMPI	2327 NEPTUNE AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1059, 0.201, NE
AM179	POLICE SERVICE AREA	2860 WEST 23RD STREE	NY AST	Lower	1098, 0.208, ENE
AM180	CON EDISON - MANHOLE	2860 WEST 23RD ST	RCRA-LQG, NY MANIFEST	Lower	1098, 0.208, ENE
AL181	ROBIN BUS CO	2302 NEPTUNE AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1117, 0.212, ENE
AN182	CON EDISON	3054 W 22ND ST	NJ MANIFEST	Higher	1144, 0.217, ESE
AN183	CON EDISON	3054 W 22ND ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1144, 0.217, ESE
AN184	CON EDISON	3054 W 22ND ST	NY MANIFEST	Higher	1144, 0.217, ESE
AO185	CON EDISON	SURF AVE & 21ST ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1160, 0.220, ESE
AO186	CON EDISON	SURF AVE & 22ND ST	RCRA NonGen / NLR	Higher	1160, 0.220, ESE
AO187	NEW YORK TELEPHONE	W 22 & SURF AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	1166, 0.221, ESE
AM188	CON EDISON	2832 W 23RD ST	NY MANIFEST	Lower	1169, 0.221, ENE
AM189	CAREY GARDENS	2832 WEST 23RD STREE	NY UST, NY AST	Lower	1169, 0.221, ENE
AM190	CAREY GARDENS II -NY	2832 WEST 23RD ST	NY LTANKS, NY Spills	Lower	1169, 0.221, ENE
AL191	SUFSIDE MARINA	W. 22ND & W. 23RD ST	NY LTANKS	Lower	1172, 0.222, NE
AP192	NYCHA - CAREY GARDEN	2932 W 22ND ST	RCRA-VSQG, FINDS, ECHO, NJ MANIFEST, NY MANIFEST	Lower	1194, 0.226, East
AK193	NYNEX	W 33RD ST & NEPTUNE	NY MANIFEST	Higher	1194, 0.226, WNW
AK194	CON EDISON	W 33RD ST AND NEPTUN	NY MANIFEST	Higher	1194, 0.226, WNW
AQ195	FRIENDSET APARTMENTS	2911 WEST 36TH STREE	NY AST	Higher	1198, 0.227, WSW

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AQ196	FRIENDSET APARTMENTS	2911 WEST 36TH STREE	NY UST	Higher	1198, 0.227, WSW
AQ197	FRIENDSET APARTMENTS	2911 WEST 36TH STREE	NY LTANKS	Higher	1198, 0.227, WSW
AR198	CON EDISON	W 36TH ST & SURF AVE	RCRA NonGen / NLR, ECHO	Higher	1211, 0.229, WSW
AR199	CON EDISON - MANHOLE	SURF AVE	RCRA-LQG, NY MANIFEST	Higher	1211, 0.229, WSW
AR200	CON EDISON - MANHOLE	SURF AVE	RCRA-LQG, NY MANIFEST	Higher	1211, 0.229, WSW
AL201	NYC PARKS	WEST 23RD ST & NEPTU	NY LTANKS	Lower	1216, 0.230, NE
AL202	CON EDISON	NEPTUNE AVE & W 23RD	RCRA NonGen / NLR, FINDS, ECHO	Lower	1216, 0.230, NE
AL203	CON EDISON	NEPTUNE AVE & W 23RD	NJ MANIFEST	Lower	1216, 0.230, NE
AL204	CON ED	NEPTUNE AVE & W 23RD	NY MANIFEST	Lower	1216, 0.230, NE
AS205	NYC-HA GRAVESEND HOU	2719 W 33RD ST	RCRA NonGen / NLR, US AIRS, FINDS, ECHO, NY...	Higher	1233, 0.234, WNW
AS206	BAY PK I	3325 NEPTUNE AVE	NY UST	Higher	1233, 0.234, WNW
AS207	PUBLIC SCHOOL 188 -	3314 NEPTUNE AVENUE	NY AST	Higher	1247, 0.236, WNW
AT208	PUBLIC SCHOOL 188 K	2815 W 35TH ST	RCRA-LQG, NY MANIFEST, NJ MANIFEST	Higher	1253, 0.237, West
AO209	DIAL FRENCH CLEANERS	2115 SURF AVENUE	NY DRYCLEANERS	Lower	1262, 0.239, ESE
AO210	KING CLEANERS	2115 SURF AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1262, 0.239, ESE
AS211	FORMER GATEWAY FRENC	3375-3377 NEPTUNE AV	NY SHWS, NY ENG CONTROLS, NY INST CONTROL, NY...	Higher	1273, 0.241, WNW
AS212	GATEWAY FRENCH CLEAN	3377 NEPTUNE AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1275, 0.241, WNW
AP213	CON EDISON	MERMAID & 22ND ST MH	RCRA NonGen / NLR, FINDS, ECHO	Lower	1285, 0.243, East
AS214	BAY PARK II	3415 NEPTUNE AVENUE	NY UST	Higher	1307, 0.248, WNW
215	CON EDISON	SURF AVE & W 37TH ST	NY LTANKS, NY MANIFEST	Higher	1369, 0.259, WSW
AT216	HISTORIC DRY CLEANER	3503-3505 NEPTUNE AV	NY BROWNFIELDS	Higher	1398, 0.265, WNW
217	APARTMENT BLDG	3415 NEPTUNE AVE	NY LTANKS	Higher	1591, 0.301, WNW
218	GRAVESEND HOUSES (O'	2719 WEST 33RD STREE	NY LTANKS, NY UST, NY Spills	Higher	1631, 0.309, NW
219	CONEY ISLAND SITE 1B	2007 SURF AVENUE	NY LTANKS, NY UST, NY AST, NY Spills	Higher	1667, 0.316, East
220	SEA GATE F C STA		FUDS	Higher	1885, 0.357, WSW
221	BROOKLYN EAST 13 DOS	2012 NEPTUNE AVENUE	NY LTANKS, NY Spills	Lower	1903, 0.360, ENE
222	NYNEX	1919 NEPTUNE AVE	NY LTANKS, NY Spills, NY MANIFEST	Lower	2266, 0.429, ENE
223	APT HOUSES	2675 WEST 36TH ST	NY LTANKS	Higher	2281, 0.432, NW
224	DIME SAVINGS BANK	2909 WEST 17TH ST	NY LTANKS	Higher	2441, 0.462, East
225	LOT 28,TAXBLOCK 7062	1607 SURF AVENUE	NY BROWNFIELDS, NY E DESIGNATION, NY SPDES	Higher	2532, 0.480, East
226	WHEELER SHIPYARD		FUDS	Higher	3109, 0.589, NE
227	TOPS APPLIANCE CITY	1525 - 1535 HART PLA	NY SHWS, NY VCP	Lower	3257, 0.617, NE
228	NORTON PT SEA LIG SI		FUDS	Higher	4025, 0.762, West
AU229	BROOKLYN BOROUGH GAS	NEPTUNE AVENUE, CONE	EDR MGP	Higher	4549, 0.862, ENE
AU230	K - FORMER BROOKLYN	2731 WEST 12TH STREE	NY SHWS	Higher	4699, 0.890, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LOT 11,TAXBLOCK 7011 2828 WEST 28 STREET BROOKLYN, NY	NY E DESIGNATION	N/A
2970 WEST 27 STREET 2970 WEST 27 STREET BROOKLYN, NY 11224	NY LEAD Database: NYC LEAD 2, Date of Government Version: 04/25/2022	N/A
2930 WEST 30TH 2930 WEST 30TH BROOKLYN, NY 10001	ERNS NRC Report #: 567614 Incident Date Time: 2001-05-29 13:25:00	N/A
SEA PARK NORTH HDFC 2828 WEST 28TH STREE BROOKLYN, NY 11224	NY UST Database: UST, Date of Government Version: 03/21/2022 NY AST Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-600253	N/A
2930 WEST 30 STREET 2930 WEST 30 STREET BROOKLYN, NY 11224	NY LEAD Database: NYC LEAD 2, Date of Government Version: 04/25/2022	N/A
SEA PARK WEST HDFC 2930 WEST 30TH STREE BROOKLYN, NY 11224	NY UST Database: UST, Date of Government Version: 03/21/2022 NY AST Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-600254	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Lists of state and tribal landfills and solid waste disposal facilities

NY SWF/LF ---------- Facility Register

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS ---------- Listing of Leaking Storage Tanks

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
NY CBS UST ---------- Chemical Bulk Storage Database
NY MOSF UST ---------- Major Oil Storage Facilities Database
NY MOSF ---------- Major Oil Storage Facility Site Listing
NY CBS ---------- Chemical Bulk Storage Site Listing
NY CBS AST ---------- Chemical Bulk Storage Database
NY MOSF AST ---------- Major Oil Storage Facilities Database
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

NY RES DECL ---------- Restrictive Declarations Listing

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

EXECUTIVE SUMMARY

Lists of state and tribal brownfield sites

NY ERP ---------- Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWTIRE ---------- Registered Waste Tire Storage & Facility List
NY SWRCY ---------- Registered Recycling Facility List
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
NY DEL SHWS ---------- Delisted Registry Sites
US CDL ---------- National Clandestine Laboratory Register
NY PFAS ---------- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

NY HIST UST ---------- Historical Petroleum Bulk Storage Database
NY HIST AST ---------- Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ---------- Spill Liens Information
LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
NY Hist Spills ---------- SPILLS Database
NY SPILLS 80 ---------- SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
ROD ---------- Records Of Decision

RMP Risk Management Plans
RAATS RCRA Administrative Action Tracking System
PRP Potentially Responsible Parties
PADS PCB Activity Database System
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS Material Licensing Tracking System
COAL ASH DOE Steam-Electric Plant Operation Data
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER PCB Transformer Registration Database
RADINFO Radiation Information Database
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
DOCKET HWC Hazardous Waste Compliance Docket Listing
UXO Unexploded Ordnance Sites
FUELS PROGRAM EPA Fuels Program Registered Listing
NY AIRS Air Emissions Data
NY COAL ASH Coal Ash Disposal Site Listing
NY Financial Assurance Financial Assurance Information Listing
NY HSWDS Hazardous Substance Waste Disposal Site Inventory
NY VAPOR REOPENED Vapor Intrusion Legacy Site List
NY UIC Underground Injection Control Wells
NY COOLING TOWERS Registered Cooling Towers
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto EDR Exclusive Historical Auto Stations
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 15 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - MANHOLE EPA ID:: NYP004296265	2955 WEST 29 TH ST	S 0 - 1/8 (0.005 mi.)	E14	47
CON EDISON - SERVICE EPA ID:: NYP004353058	2960 W 31 ST	SSW 0 - 1/8 (0.014 mi.)	J35	77
CON EDISON - VAULT S EPA ID:: NYP005124706	2900 MERMAID AVE	SSW 0 - 1/8 (0.020 mi.)	A59	145
CON EDISON - MANHOLE EPA ID:: NYP004286340	***3028 W 29TH ST***	***S 0 - 1/8 (0.027 mi.)***	***D69***	***162***
CON EDISON - MANHOLE EPA ID:: NYP004286563	***3028 WEST 29TH ST***	***S 0 - 1/8 (0.027 mi.)***	***D70***	***166***
CON EDISON - MANHOLE EPA ID:: NYP005091301	2913 SURF AVE	S 0 - 1/8 (0.028 mi.)	I72	173
CON EDISON - MANHOLE EPA ID:: NYP004286803	2930 NEPTUNE AVE	NW 0 - 1/8 (0.077 mi.)	S107	262
CON EDISON - MANHOLE EPA ID:: NYP004287116	***2315 SURF AVE***	***ESE 1/8 - 1/4 (0.156 mi.)***	***AF157***	***375***
CON EDISON - MANHOLE EPA ID:: NYP004289229	***WEST 35TH ST***	***SW 1/8 - 1/4 (0.174 mi.)***	***167***	***403***
CON EDISON - MANHOLE EPA ID:: NYP004287421	***SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR199***	***493***
CON EDISON - MANHOLE EPA ID:: NYP004287439	***SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR200***	***497***
PUBLIC SCHOOL 188 K EPA ID:: NYR000179572	***2815 W 35TH ST***	***W 1/8 - 1/4 (0.237 mi.)***	***AT208***	***520***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - VAULT S EPA ID:: NYP005124250	2946 W 23RD ST	ESE 1/8 - 1/4 (0.167 mi.)	AG160	385
CON EDISON - VAULT V EPA ID:: NYP005023379	2946 W 23RD ST	ESE 1/8 - 1/4 (0.167 mi.)	AG163	389
CON EDISON - MANHOLE EPA ID:: NYP004293213	***2860 WEST 23RD ST***	***ENE 1/8 - 1/4 (0.208 mi.)***	***AM180***	***441***

EXECUTIVE SUMMARY

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYC DEPT OF EDUCATIO EPA ID:: NYR000216507	2929 W 30TH ST	SSW 0 - 1/8 (0.014 mi.)	K39	84
NYCHA - CONEY ISLAND EPA ID:: NYR000238964	3110 SURF AVE	SSW 0 - 1/8 (0.018 mi.)	J55	139

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYC DEPT OF EDUCATIO EPA ID:: NYR000199000	***2950 W 25TH ST***	***ESE 0 - 1/8 (0.052 mi.)***	***O91***	***216***
NYC-HA CAREY GARDENS EPA ID:: NYD986870921	***2955 W 24TH STREET***	***ESE 0 - 1/8 (0.116 mi.)***	***Z136***	***327***
NYC DEPT OF EDUCATIO EPA ID:: NYR000207621	***2401 NEPTUNE AVE***	***NE 1/8 - 1/4 (0.140 mi.)***	***AC150***	***357***

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 3 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYCHA - CONEY ISLAND EPA ID:: NYR000239095	3110 SURF AVE	SSW 0 - 1/8 (0.018 mi.)	J56	141
RITE AID #04257 EPA ID:: NYR000186262	3001-27 MERMAID AVE	WSW 0 - 1/8 (0.032 mi.)	L75	179

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCHA - CAREY GARDEN EPA ID:: NYR000093393	***2932 W 22ND ST***	***E 1/8 - 1/4 (0.226 mi.)***	***AP192***	***475***

EXECUTIVE SUMMARY

Lists of state- and tribal hazardous waste facilities

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 05/09/2022 has revealed that there are 3 NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GATEWAY FRENC	***3375-3377 NEPTUNE AV***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS211***	***542***
Site Code: 447564				
K - FORMER BROOKLYN	2731 WEST 12TH STREE	ENE 1/2 - 1 (0.890 mi.)	AU230	668
Site Code: 55916				
Class Code: Site is properly closed - requires continued management.				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TOPS APPLIANCE CITY	***1525 - 1535 HART PLA***	***NE 1/2 - 1 (0.617 mi.)***	***227***	***665***
Site Code: 58040				

Lists of state and tribal leaking storage tanks

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/09/2022 has revealed that there are 24 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SURFSIDE -NYCHA	2926 WEST 27TH STREE	SE 0 - 1/8 (0.007 mi.)	G20	54
Spill Number/Closed Date: 9011481 / 2008-09-23				
Site ID: 185656				
Spill Date: 1991-01-31				
RESIDENCE	2819 MERMAID AVE	SSE 0 - 1/8 (0.010 mi.)	A26	61
Spill Number/Closed Date: 0510753 / 2006-08-21				
Site ID: 356790				
Spill Date: 2005-12-14				
SURFSIDE GARDENS (B	***2940 WEST 31ST STREE***	***SW 0 - 1/8 (0.014 mi.)***	***J41***	***92***
Spill Number/Closed Date: 9103939 / 1995-04-27				
Spill Number/Closed Date: 9411051 / 2005-12-29				
Spill Number/Closed Date: 9406062 / 1995-04-27				
Spill Number/Closed Date: 9305776 / 1995-04-27				
Site ID: 99908				
Site ID: 91118				
Site ID: 298283				

Site ID: 105680
Spill Date: 1991-07-12
Spill Date: 1994-11-17
Spill Date: 1994-08-03
Spill Date: 1993-08-06

CONEY ISLAND HOUSES	***3020 SURF AVENUE***	***SSW 0 - 1/8 (0.016 mi.)***	***I50***	***122***
Spill Number/Closed Date: 9803121 / 2005-10-19 Site ID: 327261 Spill Date: 1998-06-10				
CONEY ISLAND GARAGE	WEST 25TH STREET & S	SE 0 - 1/8 (0.053 mi.)	M96	238
Spill Number/Closed Date: 9505745 / 2006-05-17 Site ID: 217966 Spill Date: 1995-08-09				
CONEY ISLAND GARAGE	WEST 25TH STREET & S	SE 0 - 1/8 (0.053 mi.)	M97	239
Spill Number/Closed Date: 0205550 / 2003-08-06 Site ID: 172829 Spill Date: 2002-08-27				
HABER HOUSES (CAREY	***3033 WEST 25TH STREE***	***SE 0 - 1/8 (0.062 mi.)***	***M103***	***253***
Spill Number/Closed Date: 9608836 / 2005-10-24 Site ID: 196664 Spill Date: 1996-10-16				
O'DWYER GARDENS (SUR	***2959 WEST 33RD STREE***	***SW 0 - 1/8 (0.112 mi.)***	***V123***	***285***
Spill Number/Closed Date: 9107041 / 1995-04-26 Spill Number/Closed Date: 9315460 / 1995-04-26 Spill Number/Closed Date: 9315461 / 1995-04-26 Spill Number/Closed Date: 9415851 / Not Reported Spill Number/Closed Date: 9416977 / 2008-01-15 Site ID: 148893 Site ID: 201620 Site ID: 201621 Site ID: 201622 Site ID: 322203 Spill Date: 1991-10-01 Spill Date: 1991-09-18 Spill Date: 1992-03-28 Spill Date: 1995-03-07 Spill Date: 1995-03-31				
O'DYER GARDENS	2951 W. 33RD ST	WSW 0 - 1/8 (0.113 mi.)	W128	309
Spill Number/Closed Date: 9906184 / 2003-03-20 Site ID: 80793 Spill Date: 1999-08-24				
CAREY GARDENS -NYCHA	***2955 WEST 23RD ST***	***ESE 1/8 - 1/4 (0.173 mi.)***	***AG166***	***397***
Spill Number/Closed Date: 9413624 / 1996-07-17 Spill Number/Closed Date: 9604664 / 2005-03-17 Spill Number/Closed Date: 9414548 / 2003-10-27 Site ID: 105689 Site ID: 105690 Site ID: 231395 Spill Date: 1994-01-12 Spill Date: 1996-07-09 Spill Date: 1995-02-03				
APARTMENT -NYCHA	***2950 WEST 35TH STREE***	***WSW 1/8 - 1/4 (0.179 mi.)***	***AI170***	***418***

Spill Number/Closed Date: 9011619 / 2011-05-26
Site ID: 86534
Spill Date: 1991-02-05

SURFSIDE HOUSES -NYC | 2839 W 33RD STREET | W 1/8 - 1/4 (0.185 mi.) | AK173 | 426
Spill Number/Closed Date: 9102831 / 2015-06-05
Site ID: 303978
Spill Date: 1991-06-11

FRIENDSET APARTMENTS | 2911 WEST 36TH STREE | WSW 1/8 - 1/4 (0.227 mi.) | AQ197 | 489
Spill Number/Closed Date: 0209442 / 2008-12-04
Site ID: 137964
Spill Date: 2002-12-13

CON EDISON | SURF AVE & W 37TH ST | WSW 1/4 - 1/2 (0.259 mi.) | 215 | 582
Spill Number/Closed Date: 0002117 / 2004-07-27
Spill Number/Closed Date: 9914738 / 2005-05-03
Spill Number/Closed Date: 0212373 / 2003-03-17
Site ID: 225208
Site ID: 225209
Site ID: 333886
Spill Date: 2000-05-19
Spill Date: 2000-03-29
Spill Date: 2003-03-17

APARTMENT BLDG | 3415 NEPTUNE AVE | WNW 1/4 - 1/2 (0.301 mi.) | 217 | 588
Spill Number/Closed Date: 0807791 / 2008-11-06
Site ID: 405155
Spill Date: 2008-10-09

GRAVESEND HOUSES (O' | 2719 WEST 33RD STREE | NW 1/4 - 1/2 (0.309 mi.) | 218 | 589
Spill Number/Closed Date: 9413170 / 2008-06-10
Spill Number/Closed Date: 9412922 / 2021-07-15
Site ID: 62321
Site ID: 62320
Spill Date: 1995-01-03
Spill Date: 1994-12-28

CONEY ISLAND SITE 1B | 2007 SURF AVENUE | E 1/4 - 1/2 (0.316 mi.) | 219 | 598
Spill Number/Closed Date: 9312327 / 1993-01-24
Spill Number/Closed Date: 0109738 / 2004-01-26
Spill Number/Closed Date: 9607012 / 2011-12-02
Site ID: 256394
Site ID: 322120
Site ID: 322121
Spill Date: 1994-01-20
Spill Date: 2002-01-08
Spill Date: 1996-09-03

APT HOUSES | 2675 WEST 36TH ST | NW 1/4 - 1/2 (0.432 mi.) | 223 | 655
Spill Number/Closed Date: 8904981 / 2003-03-06
Spill Number/Closed Date: 9805170 / 2003-12-01
Site ID: 185875
Site ID: 322247
Spill Date: 1989-08-18
Spill Date: 1998-07-24

DIME SAVINGS BANK | 2909 WEST 17TH ST | E 1/4 - 1/2 (0.462 mi.) | 224 | 658
Spill Number/Closed Date: 9804188 / 2005-07-19
Site ID: 65760

Spill Date: 1998-07-02

Lower Elevation	Address	Direction / Distance	Map ID	Page
CAREY GARDENS II -NY	***2832 WEST 23RD ST***	***ENE 1/8 - 1/4 (0.221 mi.)***	***AM190***	***470***
Spill Number/Closed Date: 9315471 / 2003-10-27 Site ID: 62465 Spill Date: 1991-01-31				
SUFSIDE MARINA	W. 22ND & W. 23RD ST	NE 1/8 - 1/4 (0.222 mi.)	AL191	474
Spill Number/Closed Date: 9406145 / 1994-08-05 Site ID: 68579 Spill Date: 1994-08-05				
NYC PARKS	WEST 23RD ST & NEPTU	NE 1/8 - 1/4 (0.230 mi.)	AL201	502
Spill Number/Closed Date: 0100863 / 2008-06-13 Site ID: 159580 Spill Date: 2001-04-23				
BROOKLYN EAST 13 DOS	***2012 NEPTUNE AVENUE***	***ENE 1/4 - 1/2 (0.360 mi.)***	***221***	***610***
Spill Number/Closed Date: 9003790 / 2005-06-15 Spill Number/Closed Date: 9805012 / 2005-01-06 Site ID: 59339 Site ID: 205102 Spill Date: 1990-07-05 Spill Date: 1998-07-22				
NYNEX	***1919 NEPTUNE AVE***	***ENE 1/4 - 1/2 (0.429 mi.)***	***222***	***645***
Spill Number/Closed Date: 9514154 / 1996-02-06 Site ID: 271621 Spill Date: 1996-02-06				

Lists of state and tribal registered storage tanks

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 17 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEA PARK EAST LP	***2980 WEST 28TH STREE***	***0 - 1/8 (0.000 mi.)***	***B7***	***29***
Database: UST, Date of Government Version: 03/21/2022				
CONEY ISLAND I SITE	2925 WEST 27TH STREE	SE 0 - 1/8 (0.002 mi.)	C11	40
Database: UST, Date of Government Version: 03/21/2022				
SURFSIDE GARDENS (B	***2940 WEST 31ST STREE***	***SW 0 - 1/8 (0.014 mi.)***	***J41***	***92***
Database: UST, Date of Government Version: 03/21/2022				
CONEY ISLAND HOUSES	***3020 SURF AVENUE***	***SSW 0 - 1/8 (0.016 mi.)***	***I50***	***122***
Database: UST, Date of Government Version: 03/21/2022				
SURF PLAYGROUND	2501 SURF AVENUE	SE 0 - 1/8 (0.026 mi.)	C67	159
Database: UST, Date of Government Version: 03/21/2022				
CONEY ISLAND GARAGE	WEST 25TH STREET AND	SE 0 - 1/8 (0.052 mi.)	M94	229
Database: UST, Date of Government Version: 03/21/2022				

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HABER HOUSES (CAREY	***3033 WEST 25TH STREE***	***SE 0 - 1/8 (0.062 mi.)***	***M103***	***253***
Database: UST, Date of Government Version: 03/21/2022				
O'DWYER GARDENS (SUR	***2959 WEST 33RD STREE***	***SW 0 - 1/8 (0.112 mi.)***	***V123***	***285***
Database: UST, Date of Government Version: 03/21/2022				
SURFSIDE GARDENS	2839 WEST 32ND STREE	W 1/8 - 1/4 (0.126 mi.)	T143	342
Database: UST, Date of Government Version: 03/21/2022				
FEDERATION EMPLOYMEN	3312 SURF AVENUE	SW 1/8 - 1/4 (0.138 mi.)	V146	350
Database: UST, Date of Government Version: 03/21/2022				
KAISER PARK	WEST 25TH STREET & B	SSE 1/8 - 1/4 (0.160 mi.)	AA158	379
Database: UST, Date of Government Version: 03/21/2022				
CONEY ISLAND SITE 8	***2950 WEST 35TH STREE***	***WSW 1/8 - 1/4 (0.179 mi.)***	***AI169***	***413***
Database: UST, Date of Government Version: 03/21/2022				
FRIENDSET APARTMENTS	2911 WEST 36TH STREE	WSW 1/8 - 1/4 (0.227 mi.)	AQ196	487
Database: UST, Date of Government Version: 03/21/2022				
BAY PK I	3325 NEPTUNE AVE	WNW 1/8 - 1/4 (0.234 mi.)	AS206	516
Database: UST, Date of Government Version: 03/21/2022				
BAY PARK II	3415 NEPTUNE AVENUE	WNW 1/8 - 1/4 (0.248 mi.)	AS214	579
Database: UST, Date of Government Version: 03/21/2022				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CAREY GARDENS	2955 WEST 24TH STREE	ESE 0 - 1/8 (0.116 mi.)	Z135	323
Database: UST, Date of Government Version: 03/21/2022				
CAREY GARDENS	***2832 WEST 23RD STREE***	***ENE 1/8 - 1/4 (0.221 mi.)***	***AM189***	***466***
Database: UST, Date of Government Version: 03/21/2022				

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there are 17 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEA PARK EAST LP	***2980 WEST 28TH STREE***	***0 - 1/8 (0.000 mi.)***	***B7***	***29***
Database: AST, Date of Government Version: 03/21/2022				
Facility Id: 2-600255				
CONEY ISLAND I SITE	2925 WEST 27TH STREE	SE 0 - 1/8 (0.002 mi.)	C10	38
Database: AST, Date of Government Version: 03/21/2022				
Facility Id: 2-474037				
NYC DEPT OF EDUCATIO	***2929 W 30TH ST***	***SSW 0 - 1/8 (0.014 mi.)***	***K40***	***86***
Database: AST, Date of Government Version: 03/21/2022				
Facility Id: 2-355739				
SURFSIDE GARDENS (B	2940 WEST 31ST STREE	SW 0 - 1/8 (0.014 mi.)	J42	103
Database: AST, Date of Government Version: 03/21/2022				
Facility Id: 2-474045				
METROPOLITAN JEWISH	3023 WEST 29TH STREE	S 0 - 1/8 (0.015 mi.)	D43	105
Database: AST, Date of Government Version: 03/21/2022				

Facility Id: 2-189782

CONEY ISLAND HOUSES	***3020 SURF AVENUE***	***SSW 0 - 1/8 (0.016 mi.)***	***I50***	***122***
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-473901				
CONEY ISLAND GARAGE	WEST 25TH STREET AND	SE 0 - 1/8 (0.052 mi.)	M93	224
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-600449				
O'DWYER GARDENS (SUR	2959 WEST 33RD STREE	SW 0 - 1/8 (0.112 mi.)	V124	297
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-473979				
MAINTENANCE BUILDING	WEST 25TH STREET & B	SE 0 - 1/8 (0.116 mi.)	AA137	333
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-605005				
CONEY ISLAND SITE 8	***2950 WEST 35TH STREE***	***WSW 1/8 - 1/4 (0.179 mi.)***	***AI169***	***413***
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-473987				
FRIENDSET APARTMENTS	2911 WEST 36TH STREE	WSW 1/8 - 1/4 (0.227 mi.)	AQ195	484
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-293210				
PUBLIC SCHOOL 188 -	3314 NEPTUNE AVENUE	WNW 1/8 - 1/4 (0.236 mi.)	AS207	518
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-603797				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SANDY FOLLOW UP	***2950 WEST 25TH STREE***	***ESE 0 - 1/8 (0.052 mi.)***	***O90***	***212***
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-354503				
FIRE HOUSE ENG. 318	2510 NEPTUNE AVENUE	NE 0 - 1/8 (0.095 mi.)	P113	271
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-600520				
I.S. 239 - BROOKLYN	2401 NEPTUNE AVENUE	NE 1/8 - 1/4 (0.140 mi.)	AC151	361
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-607190				
POLICE SERVICE AREA	2860 WEST 23RD STREE	ENE 1/8 - 1/4 (0.208 mi.)	AM179	438
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-611292				
CAREY GARDENS	***2832 WEST 23RD STREE***	***ENE 1/8 - 1/4 (0.221 mi.)***	***AM189***	***466***
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-473871				

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEPTUNE PUMPING STAT	2327 NEPTUNE AVE	NE 1/8 - 1/4 (0.182 mi.)	AC172	425
Database: TANKS, Date of Government Version: 03/21/2022				

EXECUTIVE SUMMARY

Facility Id: 2-601313
Site Status: Active

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 05/09/2022 has revealed that there is 1 NY ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GATEWAY FRENC Site Code: 468402	***3375-3377 NEPTUNE AV***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS211***	***542***

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 05/09/2022 has revealed that there is 1 NY INST CONTROL site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GATEWAY FRENC Site Code: 468402	***3375-3377 NEPTUNE AV***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS211***	***542***

Lists of state and tribal brownfield sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 05/09/2022 has revealed that there are 3 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GATEWAY FRENC Site Code: 468402	***3375-3377 NEPTUNE AV***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS211***	***542***
HISTORIC DRY CLEANER Site Code: 468516	3503-3505 NEPTUNE AV	WNW 1/4 - 1/2 (0.265 mi.)	AT216	587
LOT 28,TAXBLOCK 7062 Site Code: 606579	***1607 SURF AVENUE***	***E 1/4 - 1/2 (0.480 mi.)***	***225***	***659***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

EXECUTIVE SUMMARY

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/09/2022 has revealed that there are 53 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 8805112 Spill Number/Closed Date: 8805112 / 2003-12-19 Site ID: 150678 Spill Date: 1988-09-13	2980 W. 28TH ST	0 - 1/8 (0.000 mi.)	B8	33
CON EDISON Spill Number/Closed Date: 0208004 / 2004-01-20 Site ID: 94996 Spill Date: 2002-11-01	***2955 W 29TH ST***	***S 0 - 1/8 (0.005 mi.)***	***E13***	***44***
2827 MERMAID AVENUE Spill Number/Closed Date: 1212244 / 2012-11-14 Site ID: 475389 Spill Date: 2012-10-29	2827 MERMAID AVENUE	S 0 - 1/8 (0.005 mi.)	A15	50
NYC DEPT OF EDUCATIO Spill Number/Closed Date: 1208834 / 2013-04-23 Site ID: 471897 Spill Date: 2012-11-03	***2929 W 30TH ST***	***SSW 0 - 1/8 (0.014 mi.)***	***K40***	***86***
SURFSIDE GARDENS (B Spill Number/Closed Date: 9414147 / 1995-02-02 Spill Number/Closed Date: 0002408 / 2009-12-30 Spill Number/Closed Date: 9914650 / 2018-05-25 Site ID: 298284 Site ID: 86819 Site ID: 86820 Spill Date: 1995-01-25 Spill Date: 2000-05-26 Spill Date: 2000-03-27	***2940 WEST 31ST STREE***	***SW 0 - 1/8 (0.014 mi.)***	***J41***	***92***
CONEY ISLAND HOUSES Spill Number/Closed Date: 0210144 / 2015-06-01 Site ID: 327260 Spill Date: 2003-01-08	***3020 SURF AVENUE***	***SSW 0 - 1/8 (0.016 mi.)***	***I50***	***122***
INTERSECTION 129TH S Spill Number/Closed Date: 0907964 / 2009-11-30 Site ID: 420534 Spill Date: 2009-10-15	INTERSECTION 129TH S	SSW 0 - 1/8 (0.016 mi.)	A51	130
MANHOLE 36339 Spill Number/Closed Date: 0109426 / 2002-01-02 Site ID: 297587 Spill Date: 2001-12-24	MERMAID AVE & WEST 2	SSW 0 - 1/8 (0.016 mi.)	A52	131
MANHOLE 71777 Spill Number/Closed Date: 0107446 / 2001-12-28 Site ID: 234253 Spill Date: 2001-10-19	W 29TH ST & MERMAID	SSW 0 - 1/8 (0.016 mi.)	A53	132
VAULT ZS5234 Spill Number/Closed Date: 1608681 / 2017-10-03	2900 MERMAID AVE	SSW 0 - 1/8 (0.020 mi.)	A61	148

Site ID: 537411 Spill Date: 2016-12-11				
2730 SURF AVE Spill Number/Closed Date: 1211889 / 2013-03-27 Site ID: 475030 Spill Date: 2012-10-29	2730 SURF AVE	SSE 0 - 1/8 (0.023 mi.)	B65	158
NYC PARKS Spill Number/Closed Date: 2102270 / 2021-09-08 Site ID: 620012 Spill Date: 2021-06-09	2501 SURF AVE	SE 0 - 1/8 (0.026 mi.)	C68	161
TRANSFORMER 4364 Spill Number/Closed Date: 0201745 / 2002-06-07 Site ID: 164168 Spill Date: 2002-05-17	WEST 31ST ST/SURF AN	SSW 0 - 1/8 (0.028 mi.)	71	170
VAULT 3996 Spill Number/Closed Date: 0005820 / 2002-02-13 Site ID: 99443 Spill Date: 2000-08-15	SURF AVENUE AT 25TH	SE 0 - 1/8 (0.035 mi.)	M77	188
MANHOLE 71777 Spill Number/Closed Date: 0206813 / 2003-01-28 Site ID: 86912 Spill Date: 2002-10-01	WEST 29TH STREET+MER	S 0 - 1/8 (0.035 mi.)	N78	189
MANHOLE 71777 Spill Number/Closed Date: 0108830 / 2002-02-19 Site ID: 62746 Spill Date: 2001-12-04	W 29TH ST /MERMAID A	S 0 - 1/8 (0.035 mi.)	N79	190
MANHOLE #71776 Spill Number/Closed Date: 0402391 / 2004-09-14 Site ID: 321388 Spill Date: 2004-06-02	WEST 29TH ST/NESURF	S 0 - 1/8 (0.044 mi.)	D82	195
TS 6002 Spill Number/Closed Date: 9909275 / 1999-12-21 Site ID: 142799 Spill Date: 1999-10-30	WEST 29TH ST SURF AV	S 0 - 1/8 (0.044 mi.)	D83	197
WEST 29TH ST & SURF Spill Number/Closed Date: 0308216 / 2003-12-22 Site ID: 206787 Spill Date: 2003-11-03	W. 29TH ST & SURF AV	S 0 - 1/8 (0.044 mi.)	D84	198
VAULT 5977 Spill Number/Closed Date: 0206780 / 2002-11-29 Site ID: 276953 Spill Date: 2002-10-01	WEST 29TH ST/SURF AV	S 0 - 1/8 (0.044 mi.)	D85	199
VS 4031 Spill Number/Closed Date: 0008217 / 2001-03-27 Site ID: 242111 Spill Date: 2000-10-13	SURF ST/W 29TH ST	S 0 - 1/8 (0.044 mi.)	D86	201
CONEY ISLAND MAINT G Spill Number/Closed Date: 1208483 / 2013-11-17 Site ID: 471545 Spill Date: 2012-10-29	3026 WEST 25TH ST	SE 0 - 1/8 (0.053 mi.)	M95	234
CONEY ISLAND GARAGE	WEST 25TH STREET & S	SE 0 - 1/8 (0.053 mi.)	M98	240

Spill Number/Closed Date: 0550468 / 2017-07-25
Site ID: 347726
Spill Date: 1995-06-06

CONEY ISLAND GARAGE	WEST 25 & SURF AV	SE 0 - 1/8 (0.053 mi.)	M99	246
Spill Number/Closed Date: 0711419 / 2008-02-06 Site ID: 392899 Spill Date: 2008-01-30				
CONSTRUCTION SITE	3026 W25TH ST	SE 0 - 1/8 (0.057 mi.)	M100	247
Spill Number/Closed Date: 1206177 / 2015-12-23 Site ID: 469168 Spill Date: 2012-09-21				
HABER HOUSES (CAREY	***3033 WEST 25TH STREE***	***SE 0 - 1/8 (0.062 mi.)***	***M103***	***253***
Spill Number/Closed Date: 9900570 / 2016-01-27 Site ID: 205913 Spill Date: 1999-04-15				
MANHOLE 67445	WEST 32ND ST &MERMAI	WSW 0 - 1/8 (0.067 mi.)	105	260
Spill Number/Closed Date: 9904503 / 2002-04-04 Site ID: 122561 Spill Date: 1999-07-16				
SURF AVE & W 32ND ST	SURF AVE & W 32ND ST	SSW 0 - 1/8 (0.069 mi.)	R106	261
Spill Number/Closed Date: 9601008 / 2004-08-17 Site ID: 104568 Spill Date: 1996-04-20				
POLE 20462	OPP 2867 W 32 ST	W 0 - 1/8 (0.084 mi.)	T110	268
Spill Number/Closed Date: 0505838 / 2005-10-12 Site ID: 350939 Spill Date: 2005-08-11				
OVERHEAD POLE 69014	2822 WEST 30TH ST	NW 0 - 1/8 (0.091 mi.)	S111	269
Spill Number/Closed Date: 1103086 / 2011-08-11 Site ID: 450635 Spill Date: 2011-06-17				
NOTH CRAB COMPARTMEN	WEST 24TH ST/SURF AV	ESE 0 - 1/8 (0.109 mi.)	U116	277
Spill Number/Closed Date: 9903685 / 2000-05-18 Site ID: 149422 Spill Date: 1999-06-30				
TRANSFORMER VAULT VS	WEST 24TH ST/SURF AV	ESE 0 - 1/8 (0.109 mi.)	U117	278
Spill Number/Closed Date: 9903683 / 2000-05-18 Site ID: 149420 Spill Date: 1999-06-30				
VS 5762	WEST 24TH /SURF AVE	ESE 0 - 1/8 (0.109 mi.)	U118	279
Spill Number/Closed Date: 0410239 / 2005-04-22 Site ID: 335158 Spill Date: 2004-12-14				
TRANSFORMER VAULT #V	WEST 24TH ST/SURF AV	ESE 0 - 1/8 (0.109 mi.)	U119	280
Spill Number/Closed Date: 9903681 / 2000-05-18 Site ID: 149418 Spill Date: 1999-06-30				
VAULT #5747	W 24TH ST/SURF AVE	ESE 0 - 1/8 (0.109 mi.)	U120	281
Spill Number/Closed Date: 9815441 / 1999-04-14 Site ID: 224009 Spill Date: 1999-03-29				
SOUTH CRAB COMPARTME	WEST 24TH ST/SURF AV	ESE 0 - 1/8 (0.109 mi.)	U121	282

Spill Number/Closed Date: 9903684 / 2000-05-18 Site ID: 149421 Spill Date: 1999-06-30				
TRANSFORMER VAULT VS Spill Number/Closed Date: 9903682 / 2000-05-18 Site ID: 149419 Spill Date: 1999-06-30	WEST 24TH ST/SURF AV	ESE 0 - 1/8 (0.109 mi.)	U122	284
O'DWYER GARDENS (SUR Spill Number/Closed Date: 0305816 / 2007-01-26 Spill Number/Closed Date: 0305818 / 2003-09-02 Site ID: 322201 Site ID: 322202 Spill Date: 2003-09-02	***2959 WEST 33RD STREE***	***SW 0 - 1/8 (0.112 mi.)***	***V123***	***285***
NYC HOUSING AUTHORIT Spill Number/Closed Date: 1309420 / 2014-10-07 Site ID: 490217 Spill Date: 2013-12-24	2951 WEST 33RD ST	SW 0 - 1/8 (0.112 mi.)	V126	304
SPILL NUMBER 9809231 Spill Number/Closed Date: 9809231 / 2002-10-31 Site ID: 250107 Spill Date: 1998-10-23	WEST 33RD ST/SURF AV	SW 0 - 1/8 (0.121 mi.)	V138	336
VAULT 43551 Spill Number/Closed Date: 9809227 / 2002-10-31 Site ID: 250106 Spill Date: 1998-10-23	WEST 33RD ST/SURF AV	SW 0 - 1/8 (0.121 mi.)	V139	337
GAS ODORS AT RINGELM Spill Number/Closed Date: 8605394 / 1986-11-25 Site ID: 226557 Spill Date: 1986-11-25	2901 RINGELMAN BOARD	S 0 - 1/8 (0.123 mi.)	140	338
ROADWAY Spill Number/Closed Date: 1804064 / 2018-07-16 Site ID: 573726 Spill Date: 2018-07-15	MERMAID AVE AND WEST	WSW 0 - 1/8 (0.123 mi.)	AB141	339

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON VAULT # 5 Spill Number/Closed Date: 1205589 / 2012-09-05 Site ID: 468548 Spill Date: 2012-09-05	WEST 28TH STREET & M	ESE 0 - 1/8 (0.006 mi.)	F18	52
CON EDISON VAULT #58 Spill Number/Closed Date: 1205590 / 2014-09-25 Site ID: 468549 Spill Date: 2012-09-05	WEST 28TH STREET & M	ESE 0 - 1/8 (0.006 mi.)	F19	53
MANHOLE #36383 Spill Number/Closed Date: 0008915 / 2001-05-07 Site ID: 125919 Spill Date: 2000-11-01	NEPTUNE AV & W 28TH	N 0 - 1/8 (0.012 mi.)	H31	71
IFO (SERVICE BOX #36 Spill Number/Closed Date: 1303323 / 2013-08-14 Site ID: 483797	2715 MERMAID AVE	E 0 - 1/8 (0.019 mi.)	F57	144

Spill Date: 2013-06-27				
SANDY FOLLOW UP	***2950 WEST 25TH STREE***	***ESE 0 - 1/8 (0.052 mi.)***	***O90***	***212***
Spill Number/Closed Date: 1208592 / 2013-04-23 Site ID: 471655 Spill Date: 2012-10-28				
POLE 63537	2877 W 27 ST	E 0 - 1/8 (0.064 mi.)	Q104	259
Spill Number/Closed Date: 0412990 / 2005-06-01 Site ID: 338612 Spill Date: 2005-03-13				
MANHOLE #36348	W 25TH ST & MERMAID	ESE 0 - 1/8 (0.081 mi.)	109	267
Spill Number/Closed Date: 0109293 / 2002-02-19 Site ID: 158893 Spill Date: 2001-12-19				
CONEY ISLAND CREEK	2529 NEPTUNE AVE	N 0 - 1/8 (0.114 mi.)	X130	314
Spill Number/Closed Date: 2106433 / 2021-10-08 Site ID: 625323 Spill Date: 2021-10-07				
CREEK	2529 NEPTUNE AVE	N 0 - 1/8 (0.114 mi.)	X131	315
Spill Number/Closed Date: 2106455 / 2021-10-08 Site ID: 625345 Spill Date: 2021-10-08				
KAISER PARK	2529 NEPTUNE AVE	N 0 - 1/8 (0.114 mi.)	X132	316
Spill Number/Closed Date: 2106429 / 2021-10-13 Site ID: 625319 Spill Date: 2021-10-06				

NY SPILLS 90: Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

A review of the NY SPILLS 90 list, as provided by EDR, and dated 12/14/2012 has revealed that there are 2 NY SPILLS 90 sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
2827 MERMAID AVENUE Status: CLOSED Site Id: 1212244	2827 MERMAID AVENUE	S 0 - 1/8 (0.005 mi.)	A17	51
2730 SURF AVE Status: ACTIVE Site Id: 1211889	2730 SURF AVE	SSE 0 - 1/8 (0.023 mi.)	B66	159

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that

there are 38 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON MANHOLE: EPA ID:: NYP004324935	***2965 W 29TH ST***	***S 0 - 1/8 (0.009 mi.)***	***E21***	***55***
CON EDISON EPA ID:: NYP004807038	***W 30TH ST & SURF AVE***	***S 0 - 1/8 (0.012 mi.)***	***I30***	***68***
CON EDISON MANHOLE: EPA ID:: NYP004308490	***3047 W 29TH ST***	***S 0 - 1/8 (0.014 mi.)***	***D34***	***73***
CON EDISON SERVICE B EPA ID:: NYP004566501	***3010 SURF AVE FRONT***	***SSW 0 - 1/8 (0.016 mi.)***	***I44***	***109***
CON EDISON EPA ID:: NYP004777827	3030 SURF AVE	SSW 0 - 1/8 (0.016 mi.)	I48	116
NYCHA - CONEY ISLAND EPA ID:: NYR000075069	***3002 SURF AVE***	***S 0 - 1/8 (0.016 mi.)***	***I49***	***119***
CON EDISON - MH 7177 EPA ID:: NYP004110649	***W. 29TH ST. & SURF A***	***S 0 - 1/8 (0.021 mi.)***	***D63***	***150***
CON EDISON MANHOLE: EPA ID:: NYP004279923	***W 29TH ST & SURF AVE***	***S 0 - 1/8 (0.023 mi.)***	***D64***	***154***
CON EDISON MANHOLE: EPA ID:: NYP004280863	***SURF AVE & W 25TH ST***	***SE 0 - 1/8 (0.052 mi.)***	***M87***	***202***
CON EDISON - VS 5766 EPA ID:: NYP004110839	***WEST 25 ST & SURF AV***	***SE 0 - 1/8 (0.052 mi.)***	***M92***	***220***
NYCHA - ODWYER GARDE EPA ID:: NYR000094409	***2963 W 33RD ST***	***SW 0 - 1/8 (0.112 mi.)***	***V125***	***299***
NYCHA - ODWYER EPA ID:: NYR000051003	***2995 W 33RD ST***	***SW 0 - 1/8 (0.112 mi.)***	***R127***	***305***
NYCHA - ODWYER GARDE EPA ID:: NYR000075176	***2935 W 33RD ST***	***SW 0 - 1/8 (0.114 mi.)***	***W129***	***310***
CON EDISON MANHOLE: EPA ID:: NYP004266953	***3018 W 24TH ST OPPOS***	***SE 0 - 1/8 (0.116 mi.)***	***Y133***	***317***
NYCHA - SURFSIDE GAR EPA ID:: NYR000133181	2839 W 32ND ST	W 1/8 - 1/4 (0.126 mi.)	T144	345
NYCHA - CONEY ISLAND EPA ID:: NYR000075119	***3058 W 24TH ST***	***SE 1/8 - 1/4 (0.145 mi.)***	***AE154***	***366***
CON EDISON EPA ID:: NYP004821514	***W 23RD ST & SURF AVE***	***ESE 1/8 - 1/4 (0.165 mi.)***	***AF159***	***382***
CON EDISON MANHOLE: EPA ID:: NYP004278750	***2811 W 32ND ST FRONT***	***WNW 1/8 - 1/4 (0.169 mi.)***	***AH165***	***393***
CON EDISON EPA ID:: NYP004800157	***3054 W 22ND ST***	***ESE 1/8 - 1/4 (0.217 mi.)***	***AN183***	***452***
CON EDISON EPA ID:: NYP004760468	***SURF AVE & 21ST ST***	***ESE 1/8 - 1/4 (0.220 mi.)***	***AO185***	***456***
CON EDISON EPA ID:: NYP004760484	SURF AVE & 22ND ST	ESE 1/8 - 1/4 (0.220 mi.)	AO186	459
NEW YORK TELEPHONE EPA ID:: NYP000912121	***W 22 & SURF AVE***	***ESE 1/8 - 1/4 (0.221 mi.)***	***AO187***	***461***
CON EDISON	***W 36TH ST & SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR198***	***491***

EPA ID:: NYP004757423

NYC-HA GRAVESEND HOU	***2719 W 33RD ST***	***WNW 1/8 - 1/4 (0.234 mi.)***	***AS205***	***509***
EPA ID:: NYD986870780				
GATEWAY FRENCH CLEAN	***3377 NEPTUNE AVE***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS212***	***572***
EPA ID:: NYD981080799				

Lower Elevation	Address	Direction / Distance	Map ID	Page
USPS - CONEY ISLAND	***2727 MERMAID AVE***	***E 0 - 1/8 (0.011 mi.)***	***F29***	***64***
EPA ID:: NY9180011224				
NYCDEP	***2927 W 27TH ST***	***ESE 0 - 1/8 (0.017 mi.)***	***G54***	***133***
EPA ID:: NYP003664018				
CON EDISON MANHOLE:	***S NEPTUNE AVE & W 29***	***NNW 0 - 1/8 (0.038 mi.)***	***H81***	***192***
EPA ID:: NYP004416012				
NYC SCHOOL CONSTRUCT	***2950 W 25TH ST***	***ESE 0 - 1/8 (0.052 mi.)***	***O88***	***206***
EPA ID:: NYP000969063				
NYCHA - SURFSIDE GAR	***2926 W 25TH ST***	***ESE 0 - 1/8 (0.058 mi.)***	***O101***	***249***
EPA ID:: NYR000075267				
NYCHA - CAREY GARDEN	***2945-49 W 23RD ST***	***E 1/8 - 1/4 (0.175 mi.)***	***AG168***	***407***
EPA ID:: NYR000052837				
CON EDISON MANHOLE:	***2302 MERMAID AVE***	***E 1/8 - 1/4 (0.179 mi.)***	***AJ171***	***422***
EPA ID:: NYP004462016				
CON EDISON MANHOLE:	MERMAID AVE & W 23RD	E 1/8 - 1/4 (0.194 mi.)	AJ175	429
EPA ID:: NYP004527776				
NEPTUNE AVENUE PUMPI	***2327 NEPTUNE AVE***	***NE 1/8 - 1/4 (0.201 mi.)***	***AL178***	***433***
EPA ID:: NYD987007960				
ROBIN BUS CO	***2302 NEPTUNE AVE***	***ENE 1/8 - 1/4 (0.212 mi.)***	***AL181***	***445***
EPA ID:: NYD986967339				
CON EDISON	***NEPTUNE AVE & W 23RD***	***NE 1/8 - 1/4 (0.230 mi.)***	***AL202***	***503***
EPA ID:: NYP004760492				
KING CLEANERS	***2115 SURF AVE***	***ESE 1/8 - 1/4 (0.239 mi.)***	***AO210***	***537***
EPA ID:: NYD982529919				
CON EDISON	***MERMAID & 22ND ST MH***	***E 1/8 - 1/4 (0.243 mi.)***	***AP213***	***576***
EPA ID:: NYP004737714				

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/11/2022 has revealed that there are 4 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPECIAL HOSPITAL		SE 1/8 - 1/4 (0.199 mi.)	176	431
SEA GATE F C STA		WSW 1/4 - 1/2 (0.357 mi.)	220	609
WHEELER SHIPYARD		NE 1/2 - 1 (0.589 mi.)	226	664
NORTON PT SEA LIG SI		W 1/2 - 1 (0.762 mi.)	228	667

EXECUTIVE SUMMARY

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 03/07/2022 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DIAL FRENCH CLEANERS Facility Id: 2-6107-00534	2115 SURF AVENUE	ESE 1/8 - 1/4 (0.239 mi.)	AO209	536

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 03/22/2022 has revealed that there are 12 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 54,TAXBLOCK 7011	2827 MERMAID AVENUE	S 0 - 1/8 (0.005 mi.)	A16	51
LOT 53,TAXBLOCK 7011	2825 MERMAID AVENUE	S 0 - 1/8 (0.010 mi.)	A23	60
LOT 49,TAXBLOCK 7011	2815 MERMAID AVENUE	SE 0 - 1/8 (0.010 mi.)	A24	60
LOT 51,TAXBLOCK 7011	2819 MERMAID AVENUE	SSE 0 - 1/8 (0.010 mi.)	A25	61
LOT 47,TAXBLOCK 7011	2809 MERMAID AVENUE	SE 0 - 1/8 (0.010 mi.)	A27	63
LOT 52,TAXBLOCK 7011	2823 MERMAID AVENUE	SSE 0 - 1/8 (0.010 mi.)	A28	63
LOT 54,TAXBLOCK 7051	2919 SURF AVENUE	S 0 - 1/8 (0.020 mi.)	I58	145
LOT 4,TAXBLOCK 7064	2900 MERMAID AVENUE	SSW 0 - 1/8 (0.020 mi.)	A60	148
LOT 48,TAXBLOCK 7051	2907 SURF AVENUE	S 0 - 1/8 (0.038 mi.)	D80	191

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 1,TAXBLOCK 7011	2828 NEPTUNE AVENUE	N 0 - 1/8 (0.010 mi.)	H22	59
LOT 46,TAXBLOCK 7011	2807 MERMAID AVENUE	ESE 0 - 1/8 (0.013 mi.)	A32	72
LOT 45,TAXBLOCK 7011	2805 MERMAID AVENUE	ESE 0 - 1/8 (0.014 mi.)	A33	73

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 65 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID: NYP004584082	2871 SURF AVE	S 0 - 1/8 (0.004 mi.)	D12	42
CON EDISON EPA ID: NYP004296265	***2955 W 29TH ST***	***S 0 - 1/8 (0.005 mi.)***	***E13***	***44***
CON EDISON MANHOLE: EPA ID: NYP004324935	***2965 W 29TH ST***	***S 0 - 1/8 (0.009 mi.)***	***E21***	***55***
CON EDISON MANHOLE: EPA ID: NYP004308490	***3047 W 29TH ST***	***S 0 - 1/8 (0.014 mi.)***	***D34***	***73***
CON EDISON - SERVICE EPA ID: NYP004953327	2960 W 31 ST	SSW 0 - 1/8 (0.014 mi.)	J36	80
CON EDISON	2960 W 31ST	SSW 0 - 1/8 (0.014 mi.)	J37	81

EPA ID: NYP004589669				
CON EDISON EPA ID: NYP004353058	2960 W 31 ST	SSW 0 - 1/8 (0.014 mi.)	J38	82
NYC DEPT OF EDUCATIO EPA ID: NYR000216507	***2929 W 30TH ST***	***SSW 0 - 1/8 (0.014 mi.)***	***K40***	***86***
CON EDISON EPA ID: NYP004566501	3010 SURF AVE FRONT	SSW 0 - 1/8 (0.016 mi.)	I45	111
CON EDISON EPA ID: NYP004777827	3030 SURF AVE	SSW 0 - 1/8 (0.016 mi.)	I46	113
CON EDISON EPA ID: NYP005124706	2900 MERMAID AVE	SSW 0 - 1/8 (0.020 mi.)	A62	149
CON EDISON - MH 7177 EPA ID: NYP004110649	***W. 29TH ST. & SURF A***	***S 0 - 1/8 (0.021 mi.)***	***D63***	***150***
CON EDISON MANHOLE: EPA ID: NYP004279923	***W 29TH ST & SURF AVE***	***S 0 - 1/8 (0.023 mi.)***	***D64***	***154***
CON EDISON - MANHOLE EPA ID: NYP004286340	***3028 W 29TH ST***	***S 0 - 1/8 (0.027 mi.)***	***D69***	***162***
CON EDISON - MANHOLE EPA ID: NYP004286563	***3028 WEST 29TH ST***	***S 0 - 1/8 (0.027 mi.)***	***D70***	***166***
CON EDISON - MANHOLE EPA ID: NYP005091301	2913 SURF AVE	S 0 - 1/8 (0.028 mi.)	I73	176
RITE AID #4257 EPA ID: NYR000186262	3001-27 MERMAID AVE	WSW 0 - 1/8 (0.032 mi.)	L76	186
CON EDISON MANHOLE: EPA ID: NYP004280863	***SURF AVE & W 25TH ST***	***SE 0 - 1/8 (0.052 mi.)***	***M87***	***202***
CON EDISON - VS 5766 EPA ID: NYP004110839	***WEST 25 ST & SURF AV***	***SE 0 - 1/8 (0.052 mi.)***	***M92***	***220***
CON EDISON EPA ID: NYP004286803	2930 NEPTUNE AVE FRO	NW 0 - 1/8 (0.077 mi.)	S108	265
CON EDISON EPA ID: NYP004661005	3000 W 24TH ST	ESE 0 - 1/8 (0.100 mi.)	U114	274
CON EDISON EPA ID: NYP004655387	2410 SURF AVE	SE 0 - 1/8 (0.102 mi.)	U115	275
NYCHA - ODWYER GARDE EPA ID: NYR000094409	***2963 W 33RD ST***	***SW 0 - 1/8 (0.112 mi.)***	***V125***	***299***
CON EDISON MANHOLE: EPA ID: NYP004266953	***3018 W 24TH ST OPPOS***	***SE 0 - 1/8 (0.116 mi.)***	***Y133***	***317***
CON EDISON EPA ID: NYP004673406	W 33 ST AND MERMAID	WSW 0 - 1/8 (0.123 mi.)	AB142	340
CON EDISON EPA ID: NYP004660312	2908 W 33RD ST	WSW 1/8 - 1/4 (0.136 mi.)	AB145	348
CON EDISON EPA ID: NYP004657854	2888 W 33 ST	WSW 1/8 - 1/4 (0.139 mi.)	AB147	352
CON EDISON EPA ID: NYP004671467	2888 W 33 ST	WSW 1/8 - 1/4 (0.139 mi.)	AB148	354
NYCHA - CONEY ISLAND	***3058 W 24TH ST***	***SE 1/8 - 1/4 (0.145 mi.)***	***AE154***	***366***

EPA ID: NYR000075119				
CON EDISON - MANHOLE EPA ID: NYP004287116	***2315 SURF AVE***	***ESE 1/8 - 1/4 (0.156 mi.)***	***AF157***	***375***
CON EDISON MANHOLE: EPA ID: NYP004278750	***2811 W 32ND ST FRONT***	***WNW 1/8 - 1/4 (0.169 mi.)***	***AH165***	***393***
CON EDISON - MANHOLE EPA ID: NYP004289229	***WEST 35TH ST***	***SW 1/8 - 1/4 (0.174 mi.)***	***167***	***403***
NYNEX EPA ID: NYP000932574	32ND ST & NEPTUNE AV	WNW 1/8 - 1/4 (0.199 mi.)	AH177	432
CON EDISON EPA ID: NYP004800157	3054 W 22ND ST	ESE 1/8 - 1/4 (0.217 mi.)	AN184	454
NEW YORK TELEPHONE EPA ID: NYP000912121	***W 22 & SURF AVE***	***ESE 1/8 - 1/4 (0.221 mi.)***	***AO187***	***461***
NYNEX EPA ID: NYP000922898	W 33RD ST & NEPTUNE	WNW 1/8 - 1/4 (0.226 mi.)	AK193	482
CON EDISON EPA ID: NYP004663225	W 33RD ST AND NEPTUN	WNW 1/8 - 1/4 (0.226 mi.)	AK194	483
CON EDISON - MANHOLE EPA ID: NYP004287421	***SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR199***	***493***
CON EDISON - MANHOLE EPA ID: NYP004287439	***SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR200***	***497***
NYC-HA GRAVESEND HOU EPA ID: NYD986870780	***2719 W 33RD ST***	***WNW 1/8 - 1/4 (0.234 mi.)***	***AS205***	***509***
PUBLIC SCHOOL 188 K EPA ID: NYR000179572	***2815 W 35TH ST***	***W 1/8 - 1/4 (0.237 mi.)***	***AT208***	***520***
GATEWAY FRENCH CLEAN EPA ID: NYD981080799	***3377 NEPTUNE AVE***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS212***	***572***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDEP EPA ID: NYP003664018	***2927 W 27TH ST***	***ESE 0 - 1/8 (0.017 mi.)***	***G54***	***133***
CON EDISON MANHOLE: EPA ID: NYP004416012	***S NEPTUNE AVE & W 29***	***NNW 0 - 1/8 (0.038 mi.)***	***H81***	***192***
NYC SCHOOL CONSTRUCT EPA ID: NYP000969063	***2950 W 25TH ST***	***ESE 0 - 1/8 (0.052 mi.)***	***O88***	***206***
NYC DEPT OF EDUCATIO EPA ID: NYR000199000	***2950 W 25TH ST***	***ESE 0 - 1/8 (0.052 mi.)***	***O91***	***216***
NYNEX EPA ID: NYP000913533	W 27TH ST & NEPTUNE	NNE 0 - 1/8 (0.062 mi.)	P102	253
CON EDISON EPA ID: NYP004703559	MERMAID AVE AND W 25	E 0 - 1/8 (0.092 mi.)	Q112	270
NYC-HA CAREY GARDENS EPA ID: NYD986870921	***2955 W 24TH STREET***	***ESE 0 - 1/8 (0.116 mi.)***	***Z136***	***327***
NYC DEPT OF EDUCATIO EPA ID: NYR000207621	***2401 NEPTUNE AVE***	***NE 1/8 - 1/4 (0.140 mi.)***	***AC149***	***355***
CON EDISON	2400 MERMAID AVE	E 1/8 - 1/4 (0.140 mi.)	AD152	363

EPA ID: NYP004679395				
CON EDISON EPA ID: NYP004679403	2400 MERMAID AVE	E 1/8 - 1/4 (0.140 mi.)	AD153	365
CON EDISON EPA ID: NYP004695003	FO 2850 W 24TH ST	E 1/8 - 1/4 (0.150 mi.)	AD156	373
CON EDISON - VAULT S EPA ID: NYP005124250	2946 W 23RD ST	ESE 1/8 - 1/4 (0.167 mi.)	AG161	387
CON EDISON - VAULT V EPA ID: NYP005023379	2946 W 23RD ST	ESE 1/8 - 1/4 (0.167 mi.)	AG162	388
NYCHA - CAREY GARDEN EPA ID: NYR000052837	***2945-49 W 23RD ST***	***E 1/8 - 1/4 (0.175 mi.)***	***AG168***	***407***
CON EDISON MANHOLE: EPA ID: NYP004462016	***2302 MERMAID AVE***	***E 1/8 - 1/4 (0.179 mi.)***	***AJ171***	***422***
CON EDISON EPA ID: NYP004527776	MERMAID AVE & W 23RD	E 1/8 - 1/4 (0.194 mi.)	AJ174	427
NEPTUNE AVENUE PUMPI EPA ID: NYD987007960	***2327 NEPTUNE AVE***	***NE 1/8 - 1/4 (0.201 mi.)***	***AL178***	***433***
CON EDISON - MANHOLE EPA ID: NYP004293213	***2860 WEST 23RD ST***	***ENE 1/8 - 1/4 (0.208 mi.)***	***AM180***	***441***
ROBIN BUS CO EPA ID: NYD986967339	***2302 NEPTUNE AVE***	***ENE 1/8 - 1/4 (0.212 mi.)***	***AL181***	***445***
CON EDISON EPA ID: NYP004656187	2832 W 23RD ST	ENE 1/8 - 1/4 (0.221 mi.)	AM188	464
NYCHA - CAREY GARDEN EPA ID: NYR000093393	***2932 W 22ND ST***	***E 1/8 - 1/4 (0.226 mi.)***	***AP192***	***475***
CON ED EPA ID: NYP004760492	NEPTUNE AVE & W 23RD	NE 1/8 - 1/4 (0.230 mi.)	AL204	508
KING CLEANERS EPA ID: NYD982529919	***2115 SURF AVE***	***ESE 1/8 - 1/4 (0.239 mi.)***	***AO210***	***537***

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 2 PA MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RITTE AID 4257 Generator EPA Id: NYR000186262	3001-27 MERMAID AVE	WSW 0 - 1/8 (0.032 mi.)	L74	177

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYC SCHOOL CONSTRUCT Generator EPA Id: NYP000969063	2950 WEST 25TH STREE	ESE 0 - 1/8 (0.052 mi.)	O89	210

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there are 9 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA Id: NYP004777827	3030 SURF AVE	SSW 0 - 1/8 (0.016 mi.)	I47	114
CON EDISON MANHOLE: EPA Id: NYP004266953	3018 W 24TH ST OPPOS	SE 0 - 1/8 (0.116 mi.)	Y134	322
NYCHA - CONEY ISLAND EPA Id: NYR000075119	3058 W 24TH ST	SE 1/8 - 1/4 (0.145 mi.)	AE155	372
CON EDISON MANHOLE: EPA Id: NYP004278750	2811 W 32ND ST FRONT	WNW 1/8 - 1/4 (0.169 mi.)	AH164	391
CON EDISON EPA Id: NYP004800157	3054 W 22ND ST	ESE 1/8 - 1/4 (0.217 mi.)	AN182	451
PUBLIC SCHOOL 188 K EPA Id: NYR000179572	***2815 W 35TH ST***	***W 1/8 - 1/4 (0.237 mi.)***	***AT208***	***520***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDEP EPA Id: NYP003664018	***2927 W 27TH ST***	***ESE 0 - 1/8 (0.017 mi.)***	***G54***	***133***
NYCHA - CAREY GARDEN EPA Id: NYR000093393	***2932 W 22ND ST***	***E 1/8 - 1/4 (0.226 mi.)***	***AP192***	***475***
CON EDISON EPA Id: NYP004760492	NEPTUNE AVE & W 23RD	NE 1/8 - 1/4 (0.230 mi.)	AL203	507

NY LEAD: The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

A review of the NY LEAD list, as provided by EDR, has revealed that there is 1 NY LEAD site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported Database: NYC LEAD 2, Date of Government Version: 04/25/2022	2980 WEST 28 STREET	0 - 1/8 (0.000 mi.)	B9	35

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used

whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BROOKLYN BOROUGH GAS	NEPTUNE AVENUE, CONE	ENE 1/2 - 1 (0.862 mi.)	AU229	668

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
US CUSTOMS SERVICE	PRP
DAVIDSON PIPE SUPPLY COMPANY	NY SHWS
BROOKLYN BOROUGH GAS CO.	SEMS
HIGHWAY CONTAINER CORP.	NY SWF/LF
CONEY ISLAND CREEK	NY SWF/LF
CONEY ISLAND, STILLWELL AND NEPTUN	NY SWF/LF
CALVER VAUX/DRIER OFFERMAN	NY SWF/LF

OVERVIEW MAP - 7093643.2S

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- County Boundary
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,	CLIENT:	Hillmann Environmental Co.
ADDRESS:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St., Brooklyn NY 11224	CONTACT:	Joanne Bedkowski
LAT/LONG:	40.575935 / 73.995217	INQUIRY #:	7093643.2s
		DATE:	August 22, 2022 12:18 pm

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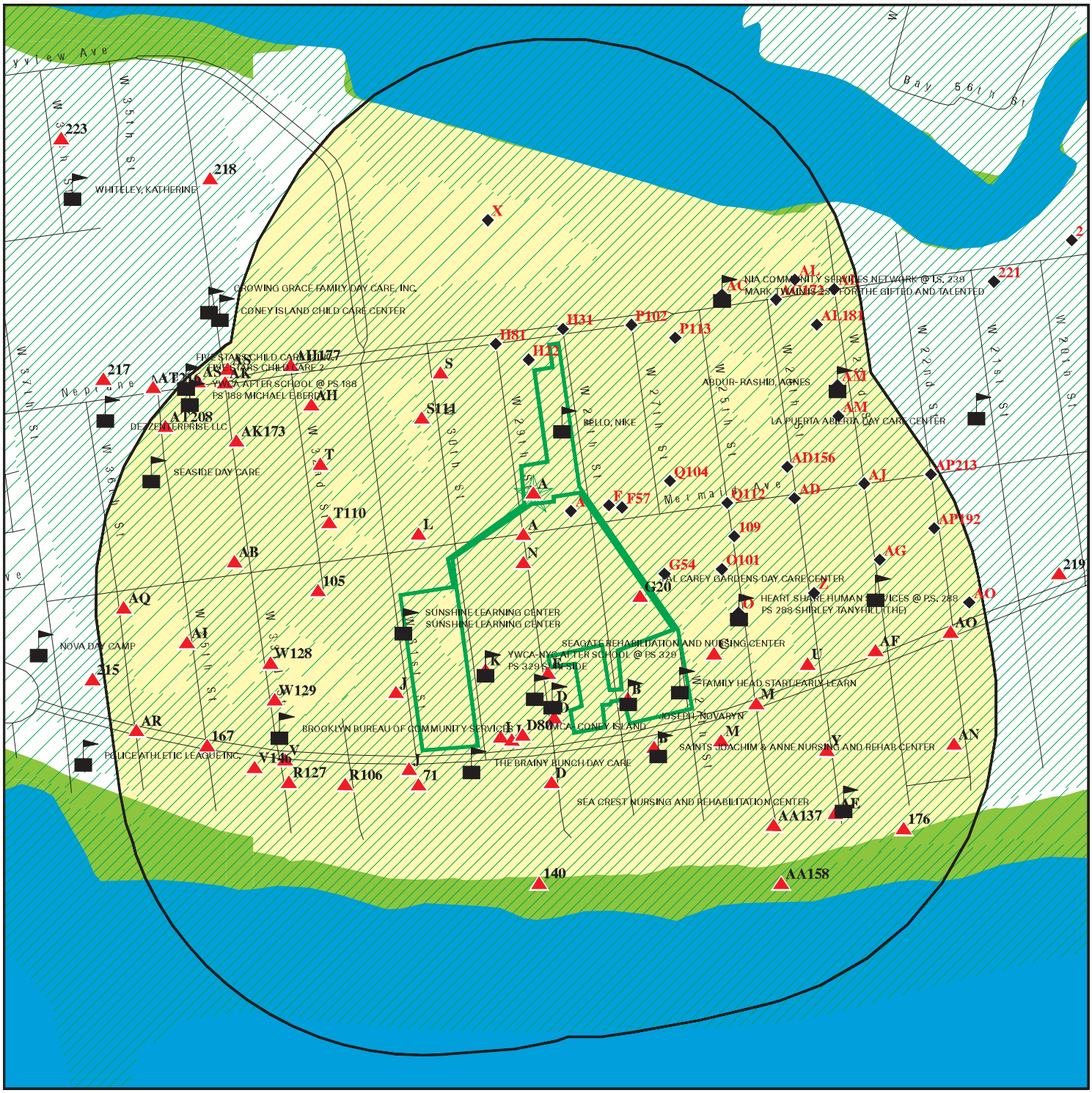
DETAIL MAP - 7093643.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,	CLIENT:	Hillmann Environmental Co.
ADDRESS:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St., Brooklyn NY 11224	CONTACT:	Joanne Bedkowski
LAT/LONG:	40.575935 / 73.995217	INQUIRY #:	7093643.2s
		DATE:	August 22, 2022 12:19 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		7	8	NR	NR	NR	15
RCRA-SQG	0.250		4	1	NR	NR	NR	5
RCRA-VSQG	0.250		2	1	NR	NR	NR	3
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001	1	0	NR	NR	NR	NR	1
Lists of state- and tribal hazardous waste facilities								
NY SHWS	1.000		0	1	0	2	NR	3
Lists of state and tribal landfills and solid waste disposal facilities								
NY SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY LTANKS	0.500		9	7	8	NR	NR	24
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
NY UST	0.250	2	9	8	NR	NR	NR	19
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY AST	0.250	2	11	6	NR	NR	NR	19
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	1	NR	NR	NR	1
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500		0	1	0	NR	NR	1
NY INST CONTROL	0.500		0	1	0	NR	NR	1
Lists of state and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
NY BROWNFIELDS	0.500		0	1	2	NR	NR	3
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
NY PFAS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	0.001		0	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
NY Spills	0.125		53	NR	NR	NR	NR	53
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		2	NR	NR	NR	NR	2
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		19	19	NR	NR	NR	38
FUDS	1.000		0	1	1	2	NR	4
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	0.001		0	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		0	1	NR	NR	NR	1
NY E DESIGNATION	0.125	1	12	NR	NR	NR	NR	13
NY Financial Assurance	0.001		0	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY MANIFEST	0.250		32	33	NR	NR	NR	65
PA MANIFEST	0.250		2	0	NR	NR	NR	2
NJ MANIFEST	0.250		3	6	NR	NR	NR	9
NY SPDES	0.001		0	NR	NR	NR	NR	0
NY VAPOR REOPENED	0.500		0	0	0	NR	NR	0
NY UIC	0.001		0	NR	NR	NR	NR	0
NY COOLING TOWERS	0.001		0	NR	NR	NR	NR	0
NY LEAD	0.001	2	1	NR	NR	NR	NR	3
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	0.001		0	NR	NR	NR	NR	0
NY RGA LF	0.001		0	NR	NR	NR	NR	0
- Totals --		8	166	96	11	5	0	286

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **LOT 11,TAXBLOCK 7011** **NY E DESIGNATION** **S122254412**
Target **2828 WEST 28 STREET** **N/A**
Property **BROOKLYN, NY**

Site 1 of 24 in cluster A

Actual: **3 ft.**

E DESIGNATION:

Name:	LOT 11,TAXBLOCK 7011
Address:	2828 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	11
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A2 **NY LEAD** **S125971628**
Target **2970 WEST 27 STREET** **N/A**
Property **BROOKLYN, NY 11224**

Site 2 of 24 in cluster A

Actual: **3 ft.**

NYC LEAD:

Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14265123
Building ID:	809859
Registration ID:	375939
Apartment:	501
Story:	5
Class:	Most Serious
Inspection Date:	04/14/2021
Approved Date:	04/19/2021
Original Certify By Date:	05/19/2021
Original Correct By Date:	05/14/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7299472
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) 1st WINDOW FRAME

(Continued) **S125971628**

FROM NORTH AT EAST WALL IN THE 21st ROOM FROM NORTH AT EAST LOCATED AT APT 501, 5th STORY, 1st APARTMENT FROM WEST AT NORTH

NOV Issued Date: 04/20/2021
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 05/11/2021

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 13870317
Building ID: 809859
Registration ID: 375939
Apartment: 708
Story: 7
Class: Most Serious
Inspection Date: 10/09/2020
Approved Date: 10/27/2020
Original Certify By Date: 11/26/2020
Original Correct By Date: 11/21/2020
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6992170
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) 1st DOOR FRAME FROM EAST AT SOUTH WALL, SOUTH WALL IN THE BATHROOM LOCATED AT APT 708, 7th STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 10/28/2020
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 11/24/2020

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 13870318
Building ID: 809859
Registration ID: 375939
Apartment: 708
Story: 7
Class: Most Serious
Inspection Date: 10/09/2020
Approved Date: 10/27/2020
Original Certify By Date: 11/26/2020
Original Correct By Date: 11/21/2020
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6992170
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) 1st DOOR FRAME FROM SOUTH AT WEST WALL IN THE 21st ROOM FROM EAST AT SOUTH LOCATED AT

(Continued) **S125971628**

APT 708, 7th STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 10/28/2020
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 11/24/2020

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 13870319
Building ID: 809859
Registration ID: 375939
Apartment: 708
Story: 7
Class: Most Serious
Inspection Date: 10/09/2020
Approved Date: 10/27/2020
Original Certify By Date: 11/26/2020
Original Correct By Date: 11/21/2020
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6992170
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) 1st CLOSET FROM SOUTH AT WEST WALL WALL IN THE 23rd ROOM FROM EAST LOCATED AT APT 708, 7th STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 10/28/2020
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 11/24/2020

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 11381714
Building ID: 809859
Registration ID: 375939
Apartment: 117
Story: 1
Class: Most Serious
Inspection Date: 09/07/2016
Approved Date: 09/07/2016
Original Certify By Date: 10/11/2016
Original Correct By Date: 10/06/2016
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 5509994
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING IN THE 4th ROOM FROM EAST AT NORTH LOCATED AT APT 117, 1st STORY, 1st APARTMENT FROM NORTH AT EAST

(Continued) **S125971628**

NOV Issued Date: 09/08/2016
Current Status ID: 21
Current Status: NOT COMPLIED WITH
Current Status Date: 10/13/2020

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 12535352
Building ID: 809859
Registration ID: 375939
Apartment: 505
Story: 5
Class: Most Serious
Inspection Date: 08/17/2018
Approved Date: 08/17/2018
Original Certify By Date: 09/22/2018
Original Correct By Date: 09/17/2018
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6169486
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE FOYER LOCATED AT APT 505, 5th STORY, 5th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 08/20/2018
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 09/17/2018

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 12554904
Building ID: 809859
Registration ID: 375939
Apartment: 1405
Story: 14
Class: Most Serious
Inspection Date: 08/29/2018
Approved Date: 08/29/2018
Original Certify By Date: 10/02/2018
Original Correct By Date: 09/27/2018
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6179096
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE 1st ROOM FROM EAST LOCATED AT APT 1405, 14th STORY, 5th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 08/30/2018

(Continued) **S125971628**

Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	09/28/2018
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12554905
Building ID:	809859
Registration ID:	375939
Apartment:	1405
Story:	14
Class:	Most Serious
Inspection Date:	08/29/2018
Approved Date:	08/29/2018
Original Certify By Date:	10/02/2018
Original Correct By Date:	09/27/2018
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6179096
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE FOYER LOCATED AT APT 1405, 14th STORY, 5th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	08/30/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	09/28/2018
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14022550
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	02/08/2021
Approved Date:	02/11/2021
Original Certify By Date:	03/13/2021
Original Correct By Date:	03/08/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7088002
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE FOYER LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	02/12/2021
Current Status ID:	19

(Continued) **S125971628**

Current Status:	VIOLATION CLOSED
Current Status Date:	02/26/2021
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14022551
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	02/08/2021
Approved Date:	02/11/2021
Original Certify By Date:	03/13/2021
Original Correct By Date:	03/08/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7088002
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING IN THE BATHROOM LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	02/12/2021
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	02/26/2021
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14022552
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	02/08/2021
Approved Date:	02/11/2021
Original Certify By Date:	03/13/2021
Original Correct By Date:	03/08/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7088002
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING IN THE 1st ROOM FROM EAST AT NORTH LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	02/12/2021
Current Status ID:	19
Current Status:	VIOLATION CLOSED

(Continued) **S125971628**

Current Status Date:	02/26/2021
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14265122
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	04/14/2021
Approved Date:	04/19/2021
Original Certify By Date:	05/19/2021
Original Correct By Date:	05/14/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7299471
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) EAST WALL IN THE 21st ROOM FROM EAST AT NORTH LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	04/20/2021
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	05/11/2021
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12285630
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	03/08/2018
Approved Date:	03/13/2018
Original Certify By Date:	04/16/2018
Original Correct By Date:	04/11/2018
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6039349
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL, EAST WALL IN THE 1st ROOM FROM EAST AT NORTH LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	03/14/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	03/30/2018

A3 **ERNS** **2001567614**
Target **2930 WEST 30TH** **N/A**
Property **BROOKLYN, NY 10001**

Site 3 of 24 in cluster A

Actual:
3 ft.

Incident Commons:

NRC Report #:	567614
Description of Incident:	THIS IS 3RD PARTY INFORMATION. THE SUSPECTED RESPONSIBLE PARTY WAS OBSERVED RELEASING OIL BASE PAINT INTO JAMACIA BAY.
Type of Incident:	FIXED
Incident Cause:	DUMPING
Incident Date Time:	2001-05-29 13:25:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2930 WEST 30TH
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	BROOKLYN
Location State:	NY
Location County:	KINGS(BROOKLYN)
Location Zip:	10001
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	Not reported

Incidents:

NRC Report #:	567614
Aircraft Type:	UNKNOWN
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	UNKNOWN
Power Generating Facility:	Not reported
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	Not reported
Pipeline Type:	Not reported
DOT Regulated:	Not reported

(Continued) **2001567614**

Pipeline Above Ground:	Not reported
Exposed Underwater:	Not reported
Pipeline Covered:	Not reported
Railroad Hotline:	Not reported
Grade Crossing:	Not reported
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Not reported
DOT Crossing Number:	Not reported
Brake Failure:	Not reported
Description of Tank:	Not reported
Tank Above Ground:	Not reported
Transportable Container:	Not reported
Tank Regulated:	Not reported
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	Not reported
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	Not reported
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

(Continued) **2001567614**

Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	567614
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	Not reported
Body of Water:	JAMAICA BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	INVESTIGATION UNDERWAY
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	73
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported

(Continued) **2001567614**

Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	N
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	CALLER HAD NO ADDITIONAL INFORMATION
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	UNK

Calls:

NRC Report #:	567614
Site ID:	2001567614
Date Time Received:	2001-05-29 13:34:53
Date Time Complete:	2001-05-29 13:46:23
Call Type:	INC
Responsible Company:	ELECTRIC EDEN
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	BROOKLYN
Responsible State:	NY
Responsible Zip:	10001
On Behalf:	N
Source:	TELEPHONE

Material Involved:

NRC Report #:	567614
Chris Code:	OTH
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	OIL BASE PAINT
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A4 Target Property **SEA PARK NORTH HDFC**
2828 WEST 28TH STREET
BROOKLYN, NY 11224

NY UST U001841365
NY AST N/A

Site 4 of 24 in cluster A

Actual: 3 ft.

UST:

Name:	SEA PARK NORTH HDFC
Address:	2828 WEST 28TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-600253 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	07/23/2024
UTM X:	585085.62385
UTM Y:	4492219.48019
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22236
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT.
Contact Type:	Not reported
Contact Name:	ISLOO KIM
Address1:	1044 NORTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(519) 277-9300
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-05-17

Site Id:	22236
Affiliation Type:	Facility Operator
Company Name:	SEA PARK NORTH HDFC
Contact Type:	Not reported
Contact Name:	RAVINDA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2939
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-10-09

Site Id:	22236
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK NORTH HDFC
Contact Type:	Not reported
Contact Name:	I KIM
Address1:	Not reported

SEA PARK NORTH HDFC (Continued) **U001841365**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 592-7170
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-10-09

Site Id:	22236
Affiliation Type:	Facility Owner
Company Name:	SEA PARK NORTH HDFC
Contact Type:	FACILITES DIRECTOR
Contact Name:	ILSOO KIM
Address1:	1044 NORTHERN BLVD 2ND FLOOR
Address2:	Not reported
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(519) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-05-17

Tank Info:

Tank Number:	001
Tank ID:	41680
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	10000
Install Date:	01/01/1973
Date Tank Closed:	07/25/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	03
Date Test:	04/01/1998
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping

SEA PARK NORTH HDFC (Continued) **U001841365**

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle

AST:

Name:	SEA PARK NORTH HDFC
Address:	2828 WEST 28TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600253
Program Type:	PBS
UTM X:	585085.62385
UTM Y:	4492219.48019
Expiration Date:	07/23/2024
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22236
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT.
Contact Type:	Not reported
Contact Name:	ISLOO KIM
Address1:	1044 NORTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(519) 277-9300
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-05-17

Site Id:	22236
Affiliation Type:	Facility Operator
Company Name:	SEA PARK NORTH HDFC
Contact Type:	Not reported
Contact Name:	RAVINDA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2939
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-10-09

Site Id:	22236
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK NORTH HDFC

SEA PARK NORTH HDFC (Continued) **U001841365**

Contact Type:	Not reported
Contact Name:	I KIM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 592-7170
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-10-09

Site Id:	22236
Affiliation Type:	Facility Owner
Company Name:	SEA PARK NORTH HDFC
Contact Type:	FACILITES DIRECTOR
Contact Name:	ILSOO KIM
Address1:	1044 NORTHERN BLVD 2ND FLOOR
Address2:	Not reported
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(519) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-05-17

Tank Info:

Tank Number:	002
Tank Id:	218821
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

L00 - Piping Leak Detection - None
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
I02 - Overfill - High Level Alarm
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
G02 - Tank Secondary Containment - Vault (w/access)

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

SEA PARK NORTH HDFC (Continued) **U001841365**

Install Date:	10/16/2006
Capacity Gallons:	7098
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JSMACRI
Last Modified:	05/17/2019
Material Name:	#2 fuel oil (on-site consumption)

A5 **NY LEAD** **S125971602**
Target Property **2930 WEST 30 STREET** **N/A**
BROOKLYN, NY 11224

Site 5 of 24 in cluster A

Actual: **3 ft.**

NYC LEAD:

Name:	Not reported
Address:	2930 WEST 30 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12795903
Building ID:	394885
Registration ID:	375935
Apartment:	14E5
Story:	14
Class:	Most Serious
Inspection Date:	10/30/2018
Approved Date:	12/07/2018
Original Certify By Date:	01/12/2019
Original Correct By Date:	01/07/2019
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6334124
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE 4th ROOM FROM EAST AT SOUTH LOCATED AT APT 14E5, 14th STORY, 1st APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	12/10/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	12/18/2018

Name:	Not reported
Address:	2930 WEST 30 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12570962
Building ID:	394885
Registration ID:	375935
Apartment:	2F2
Story:	2
Class:	Most Serious
Inspection Date:	09/08/2018
Approved Date:	09/08/2018
Original Certify By Date:	10/13/2018

(Continued) **S125971602**

Original Correct By Date:	10/08/2018
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6187039
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE 23rd ROOM FROM NORTH LOCATED AT APT 2F2, 2nd STORY, 1st APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	09/10/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	09/28/2018
Name:	Not reported
Address:	2930 WEST 30 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12570963
Building ID:	394885
Registration ID:	375935
Apartment:	2F2
Story:	2
Class:	Most Serious
Inspection Date:	09/08/2018
Approved Date:	09/08/2018
Original Certify By Date:	10/13/2018
Original Correct By Date:	10/08/2018
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6187039
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE 1st ROOM FROM NORTH AT EAST LOCATED AT APT 2F2, 2nd STORY, 1st APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	09/10/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	09/28/2018
Name:	Not reported
Address:	2930 WEST 30 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13554240
Building ID:	394885
Registration ID:	375935
Apartment:	2F2
Story:	1
Class:	Most Serious
Inspection Date:	01/14/2020
Approved Date:	01/16/2020
Original Certify By Date:	02/19/2020
Original Correct By Date:	02/14/2020

(Continued) **S125971602**

New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6796003
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING IN THE 3rd KITCHEN FROM EAST LOCATED AT APT 2F2, 1st STORY, 1st APARTMENT FROM SOUTH AT WEST
NOV Issued Date:	01/17/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	02/27/2020

A6 **SEA PARK WEST HDFC** **NY UST U000411980**
Target **2930 WEST 30TH STREET** **NY AST N/A**
Property **BROOKLYN, NY 11224**

Site 6 of 24 in cluster A

Actual: **3 ft.**

UST:

Name:	SEA PARK WEST HDFC
Address:	2930 WEST 30TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-600254 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	09/22/2024
UTM X:	584950.21040
UTM Y:	4491949.23774
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22237
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT
Contact Type:	Not reported
Contact Name:	I KIM
Address1:	1044 NORTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11376
Country Code:	001
Phone:	(516) 277-9300
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Site Id:	22237
Affiliation Type:	Facility Operator
Company Name:	SEA PARK WEST HDFC
Contact Type:	Not reported
Contact Name:	ALBERTO LOPEZ
Address1:	Not reported

SEA PARK WEST HDFC (Continued) **U000411980**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2913
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2011-08-12

Site Id:	22237
Affiliation Type:	Facility Owner
Company Name:	SEA PARK WEST HDFC
Contact Type:	FACILITIES DIRECTOR
Contact Name:	I KIM
Address1:	15 VERBERA AVE STE 100
Address2:	Not reported
City:	FLORAL PARK
State:	NY
Zip Code:	11001
Country Code:	001
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Site Id:	22237
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK WEST HDFC
Contact Type:	Not reported
Contact Name:	ROBERT GRODERO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Tank Info:

Tank Number:	001
Tank ID:	41681
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	01/01/1973
Date Tank Closed:	09/01/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel

SEA PARK WEST HDFC (Continued) **U000411980**

Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 02/08/2003
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 04/14/2017

Equipment Records:

I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

AST:

Name: SEA PARK WEST HDFC
Address: 2930 WEST 30TH STREET
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-600254
Program Type: PBS
UTM X: 584950.21040
UTM Y: 4491949.23774
Expiration Date: 09/22/2024
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 22237
Affiliation Type: Mail Contact
Company Name: PROGRESSIVE MGMT
Contact Type: Not reported
Contact Name: I KIM
Address1: 1044 NORTHERN BLVD
Address2: 2ND FLOOR
City: ROSLYN
State: NY
Zip Code: 11376
Country Code: 001
Phone: (516) 277-9300
EMail: IKIM@PROGRESSIVEMGMT.NET
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2019-06-18

Site Id: 22237
Affiliation Type: Facility Operator
Company Name: SEA PARK WEST HDFC
Contact Type: Not reported

SEA PARK WEST HDFC (Continued) **U000411980**

Contact Name:	ALBERTO LOPEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2913
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2011-08-12

Site Id:	22237
Affiliation Type:	Facility Owner
Company Name:	SEA PARK WEST HDFC
Contact Type:	FACILITIES DIRECTOR
Contact Name:	I KIM
Address1:	15 VERBERA AVE STE 100
Address2:	Not reported
City:	FLORAL PARK
State:	NY
Zip Code:	11001
Country Code:	001
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Site Id:	22237
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK WEST HDFC
Contact Type:	Not reported
Contact Name:	ROBERT GRODERO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Tank Info:

Tank Number:	002
Tank Id:	217813
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B05 - Tank External Protection - Jacketed

SEA PARK WEST HDFC (Continued) **U000411980**

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping
C01 - Pipe Location - Aboveground
F05 - Pipe External Protection - Jacketed

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/01/2005
Capacity Gallons:	8500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JSMACRI
Last Modified:	06/18/2019
Material Name:	#2 fuel oil (on-site consumption)

B7 **SEA PARK EAST LP** **NY UST U001841366**
2980 WEST 28TH STREET **NY AST N/A**
< 1/8 **BROOKLYN, NY 11224**
1 ft.

Site 1 of 5 in cluster B

Relative: Higher
Actual: 3 ft.

UST:

Name:	SEA PARK EAST LP
Address:	2980 WEST 28TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-600255 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	10/14/2024
UTM X:	585155.11221
UTM Y:	4491899.61467
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22238
Affiliation Type:	Facility Operator
Company Name:	SEA PARK EAST HDFC
Contact Type:	Not reported
Contact Name:	GORDON JACKMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2953

SEA PARK EAST LP (Continued) **U001841366**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2011-08-12

Site Id:	22238
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK EAST LP
Contact Type:	Not reported
Contact Name:	ILGOO KIM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-09-24

Site Id:	22238
Affiliation Type:	Facility Owner
Company Name:	SEA PARK EAST LP
Contact Type:	FACILITIES DIRECTOR
Contact Name:	ILSOO KIM
Address1:	1044 NOTHERN BLVD, 2ND FLOOR
Address2:	Not reported
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(516) 277-9379
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-09-10

Site Id:	22238
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT
Contact Type:	FACILITIES DIRECTOR
Contact Name:	ROBERT GADERO
Address1:	1044 NOTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(917) 601-5999
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-09-10

SEA PARK EAST LP (Continued) **U001841366**

Tank Info:

Tank Number:	001
Tank ID:	41682
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	01/01/1973
Date Tank Closed:	09/01/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	21
Date Test:	02/08/2003
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DXLIVING
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle

AST:

Name:	SEA PARK EAST LP
Address:	2980 WEST 28TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600255
Program Type:	PBS
UTM X:	585155.11221
UTM Y:	4491899.61467
Expiration Date:	10/14/2024
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22238
Affiliation Type:	Facility Operator
Company Name:	SEA PARK EAST HDFC
Contact Type:	Not reported
Contact Name:	GORDON JACKMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported

SEA PARK EAST LP (Continued) **U001841366**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2953
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2011-08-12

Site Id:	22238
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK EAST LP
Contact Type:	Not reported
Contact Name:	ILGOO KIM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-09-24

Site Id:	22238
Affiliation Type:	Facility Owner
Company Name:	SEA PARK EAST LP
Contact Type:	FACILITIES DIRECTOR
Contact Name:	ILSOO KIM
Address1:	1044 NOTHERN BLVD, 2ND FLOOR
Address2:	Not reported
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(516) 277-9379
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-09-10

Site Id:	22238
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT
Contact Type:	FACILITIES DIRECTOR
Contact Name:	ROBERT GADERO
Address1:	1044 NOTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(917) 601-5999
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported

SEA PARK EAST LP (Continued) **U001841366**

Modified By: JSMACRI
Date Last Modified: 2019-09-10

Tank Info:

Tank Number: 002
Tank Id: 217814
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F05 - Pipe External Protection - Jacketed
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
B05 - Tank External Protection - Jacketed
G02 - Tank Secondary Containment - Vault (w/access)

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 09/01/2005
Capacity Gallons: 10000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: JSMACRI
Last Modified: 09/10/2019
Material Name: #2 fuel oil (on-site consumption)

B8 **SPILL NUMBER 8805112** **NY Spills** **S102142330**
2980 W. 28TH ST **N/A**
< 1/8 **BROOKLYN, NY**
1 ft.

Site 2 of 5 in cluster B

Relative: Higher
Actual: 3 ft.

SPILLS:
Name: SPILL NUMBER 8805112
Address: 2980 W. 28TH ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 8805112 / 2003-12-19
Facility ID: 8805112
Facility Type: ER
DER Facility ID: 128100
Site ID: 150678
DEC Region: 2
Spill Cause: Equipment Failure
Spill Class: C4
SWIS: 2401

SPILL NUMBER 8805112 (Continued) **S102142330**

Spill Date:	1988-09-13
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	1988-09-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Tank Tester
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-09-19
Spill Record Last Update:	2003-12-22
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE Sangesland DDO Brian Graham of Brookside Environmental was hired to try and close out this case. Geoprobes found contamination around the tank. Contaminated Soil Letter sent out to: Brian Graham Brookside Environmental 757 Foxhurst Rd. Baldwin, NY 11510 516-377-6399 office 516-852-3436 cell 6/18/03 tipple spoke with brian, complete delineation soil and water and determine remedial strategies based on findings. 8/1/03 GEOPROBING TO COMMENCE ON 8/5/03 9/8/03Tipple updating// CONTAMINENTS DELINEATED// TO BE EXCAVATED SOON, TANK IN COURTYARD, WILL REMOVE AS MUCH CONTAMINATED SOIL AS POSSIBLE WHILE NOT UNDERMINING BUILDING. WILL CALL DEC WHEN WORK IS SCHEDULED TO CONTINUE. Bill Conroy 631-423-1240/// 10/07/03 SUBMITTAL MISSING DISPOSAL DOCUMENTATION 12/19/2003 MT//// documentation received and site visit conducted//no further action necessary//"
Remarks:	"15K TANK HAD INCONCLUSIVE HORNER EZY CHECK, TOOK SAMPLES, PUMPED OUT TANK & REMOVED OIL, SANDBLASTED TANK, FOUND HOLES IN THE SIDE OF TANK."

All TTF:

Facility ID:	8805112
Spill Number:	8805112
Spill Tank Test:	1534598
Site ID:	150678
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

SPILL NUMBER 8805112 (Continued) **S102142330**

All Materials:

Site ID:	150678
Operable Unit ID:	920272
Operable Unit:	01
Material ID:	557642
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

B9 **NY LEAD** **S125971634**
2980 WEST 28 STREET **N/A**
< 1/8 **BROOKLYN, NY 11224**
1 ft.

Site 3 of 5 in cluster B

Relative: NYC LEAD:
Higher

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861337
Building ID:	809860
Registration ID:	375940
Apartment:	1447
Story:	14
Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) WEST WALL IN THE FOYER LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861338
Building ID:	809860
Registration ID:	375940
Apartment:	1447

Actual:
3 ft.

(Continued) **S125971634**

Story:	14
Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) EAST WALL IN THE KITCHEN LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861339
Building ID:	809860
Registration ID:	375940
Apartment:	1447
Story:	14
Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) NORTH WALL, 1st WINDOW FRAME FROM EAST AT SOUTH WALL IN THE 23rd ROOM FROM NORTH AT EAST LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861340
Building ID:	809860
Registration ID:	375940
Apartment:	1447
Story:	14

(Continued) **S125971634**

Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) NORTH WALL, 1st WINDOW FRAME FROM EAST AT SOUTH WALL IN THE 23rd ROOM FROM NORTH AT WEST LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861336
Building ID:	809860
Registration ID:	375940
Apartment:	1447
Story:	14
Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING, WEST WALL IN THE BATHROOM LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13157635
Building ID:	809860
Registration ID:	375940
Apartment:	1942
Story:	19
Class:	Most Serious

(Continued) **S125971634**

Inspection Date:	06/27/2019
Approved Date:	07/05/2019
Original Certify By Date:	08/10/2019
Original Correct By Date:	08/05/2019
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6532817
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) WEST WALL IN THE FOYER LOCATED AT APT 1942, 19th STORY, 2nd APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	07/08/2019
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	10/21/2019

C10 **CONEY ISLAND I SITE 4 & 5** **NY AST** **A100364503**
SE **2925 WEST 27TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.002 mi.
11 ft. **Site 1 of 4 in cluster C**

Relative:
Higher

Actual:
3 ft.

AST:

Name:	CONEY ISLAND I SITE 4 & 5
Address:	2925 WEST 27TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-474037
Program Type:	PBS
UTM X:	585229.76014
UTM Y:	4492071.29380
Expiration Date:	N/A
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20875
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	Not reported
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MXLAY
Date Last Modified:	2017-03-10

Site Id:	20875

CONEY ISLAND I SITE 4 & 5 (Continued) **A100364503**

Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR--REMEDIATION UNIT
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-01-17

Site Id:	20875
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND I SITE 4 & 5
Contact Type:	Not reported
Contact Name:	NYCHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-01-17

Site Id:	20875
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2014-01-30

Tank Info:

Tank Number:	2
Tank Id:	246517
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

CONEY ISLAND I SITE 4 & 5 (Continued) **A100364503**

Equipment Records:

	G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
	K00 - Spill Prevention - None
	A00 - Tank Internal Protection - None
	B01 - Tank External Protection - Painted/Asphalt Coating
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J03 - Dispenser - Gravity
	C01 - Pipe Location - Aboveground
	F00 - Pipe External Protection - None
	L09 - Piping Leak Detection - Exempt Suction Piping
	H00 - Tank Leak Detection - None
	E00 - Piping Secondary Containment - None
	I05 - Overfill - Vent Whistle
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/20/2012
Capacity Gallons:	6000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	03/10/2015
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

C11 **CONEY ISLAND I SITE 4 & 5** **NY UST** **U004125644**
SE **2925 WEST 27TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.002 mi.
11 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
3 ft.

UST:

Name:	CONEY ISLAND I SITE 4 & 5
Address:	2925 WEST 27TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-474037 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	585229.76014
UTM Y:	4492071.29380
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20875
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	Not reported
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY

CONEY ISLAND I SITE 4 & 5 (Continued) **U004125644**

State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MXLAY
Date Last Modified:	2017-03-10

Site Id:	20875
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR--REMEDIATION UNIT
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-01-17

Site Id:	20875
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND I SITE 4 & 5
Contact Type:	Not reported
Contact Name:	NYCHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-01-17

Site Id:	20875
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported

CONEY ISLAND I SITE 4 & 5 (Continued) **U004125644**

Modified By: NRLOMBAR
Date Last Modified: 2014-01-30

Tank Info:

Tank Number: 1
Tank ID: 37588
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 35000
Install Date: 07/01/1974
Date Tank Closed: 11/23/2016
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 14
Date Test: 05/28/2013
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DAFRANCI
Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
E00 - Piping Secondary Containment - None
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm

D12 **CON EDISON** **NY MANIFEST** **S117065814**
South **2871 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.004 mi.
21 ft. **Site 1 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:
Name: CON EDISON
Address: 2871 SURF AVE
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004584082
Facility Status: Not reported
Location Address 1: 2871 SURF AVE
Code: BP
Location Address 2: V 5926
Total Tanks: Not reported
Location City: BROOKLYN

CON EDISON (Continued) **S117065814**

Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004584082
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/02/2014
Trans1 Recv Date:	07/02/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/06/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004584082
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	013254898JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks

CON EDISON (Continued) **S117065814**

Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

E13 **CON EDISON** **NY Spills** **S106008957**
South **2955 W 29TH ST** **NY MANIFEST** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.005 mi.
26 ft. **Site 1 of 3 in cluster E**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	VS #5993
Address:	2955 WEST 29TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0208004 / 2004-01-20
Facility ID:	0208004
Facility Type:	ER
DER Facility ID:	85017
Site ID:	94996
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2002-11-01
Investigator:	AERODRIG
Referred To:	Not reported
Reported to Dept:	2002-11-01
CID:	281
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-11-01
Spill Record Last Update:	2004-01-20
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BILL MURPHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RODRIGUEZ e2mis notes 145867 01-NOV-2002 11:33 HRS. NETWORKS DEPT. SPLICER. S. ASFOUR EMP# 49908 REPORTS: ON LOCATION FOR INSPECTION VS-5993 ON FEEDER 7B44 FOUND: APPROX 15 GAL'S OF UNKNOWN OIL ON APPROX. 900 GAL'S OF WATER. SPILL APPEARS TO BE CONTAINED AT THIS TIME. NO SEWERS OR WATER WAYS APPEAR TO BE AFFECTED.THERE IS NOT NOW NOR WAS THERE PRIOR FIRE INVOLVEMENT .THERE IS NOT NOW NOR WAS THERE PRIOR SMOKE INVOLVEMENT. THERE WERE NO INJURIES RELATED TO THIS

CON EDISON (Continued) **S106008957**

INCIDENT. THERE ARE NO INCLEMENT WEATHER CONDITIONS OR HAZARD THAT CONTRIBUTED TO THIS SPILL .NO KNOWN SUMP OR PUMP. NO KNOWN SEWER CONNECTION PRESENT. NO PRIVATE PROPERTY AFFECTED. OWNER OF SUBSTANCES IS UNKNOWN. NO KNOWN SUBSTANTIAL CRACKS IN STRUCTURE. ENIVIR. TAG# 36674 PLACED. 1 LIQ. SAMPLE TAKEN FROM SPILL & MARKED PRIORITY E CHAIN OF CUSTODY# CC-07868. SAMPLE TO BE TAKEN TO ASTORIA CHEM. LAB. CLEANUP PENDING TEST RESULTS. UNIT PRESSURE TESTED AND FAILED . UNIT BELOW MIN. HISTORICAL PCB RESULTS 10 PPM LSN- 508599 3-2-95. EQUIPMENT SERIAL# H375354, MFR. GE, YR. OF MFR. 1973. 1/20/04 Cleanup completed 3/28/03. Equipment removed on 4/28/03."

Remarks: "ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION. SAMPLE TO BE TAKEN AND CLEANUP IS BEING SCHEDULED. VAULT CONTAINS OIL TRANSFORMER. TRANSFORMER FAILED PRESSURE TEST. HX PCB 10PPM / MARCH 1995. CON ED #145867. MATERIAL REPORTED ON TOP OF 900 GALLONS OF WATER."

All Materials:

Site ID:	94996
Operable Unit ID:	861009
Operable Unit:	01
Material ID:	515007
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NY MANIFEST:

Name:	CON EDISON
Address:	2955 W 29TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004296265
Facility Status:	Not reported
Location Address 1:	2955 WEST 29 TH ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004296265
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

CON EDISON (Continued) **S106008957**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	03/26/2013
Trans1 Recv Date:	03/26/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004296265
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002017271GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

E14
South
< 1/8
0.005 mi.
26 ft.

CON EDISON - MANHOLE 71777
2955 WEST 29 TH ST
BROOKLYN, NY 11224

Site 2 of 3 in cluster E

RCRA-LQG **1016450602**
NYP004296265

Relative:
Higher

Actual:
3 ft.

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 71777
Handler Address:	2955 WEST 29 TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004296265
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	401-765-1500
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CON EDISON - MANHOLE 71777 (Continued) **1016450602**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130326
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private

CON EDISON - MANHOLE 71777 (Continued) **1016450602**

Date Became Current: 20130326
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 71777
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130326
Handler Name: CON EDISON MANHOLE: 71777
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130426
Handler Name: CON EDISON MANHOLE: 71777
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

CON EDISON - MANHOLE 71777 (Continued) **1016450602**

Evaluation Action Summary:
Evaluations: No Evaluations Found

A15 **2827 MERMAID AVENUE (HURRICANE SANDY)** **NY Spills** **S112807474**
South **2827 MERMAID AVENUE** **N/A**
< 1/8 **CONEY ISLAND, NY 11224**
0.005 mi.
28 ft. **Site 7 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	2827 MERMAID AVENUE (HURRICANE SANDY)
Address:	2827 MERMAID AVENUE
City,State,Zip:	CONEY ISLAND, NY 11224
Spill Number/Closed Date:	1212244 / 2012-11-14
Facility ID:	1212244
Facility Type:	ER
DER Facility ID:	430673
Site ID:	475389
DEC Region:	2
Spill Cause:	Storm
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2012-10-29
Investigator:	Hurricane Sandy R2
Referred To:	Not reported
Reported to Dept:	2012-11-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	Not reported
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	Not reported
Remediation Phase:	Not reported
Date Entered In Computer:	2012-11-20
Spill Record Last Update:	2012-11-20
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	Not reported
DEC Memo:	"This spill report was created for tracking purposes related to the Department’s Hurricane Sandy emergency response efforts. DEC Pumped out 600Gallons on 11/14/2012"
Remarks:	""

All Materials:

Site ID:	475389
Operable Unit ID:	1225224
Operable Unit:	01
Material ID:	2228903
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum

2827 MERMAID AVENUE (HURRICANE SANDY) (Continued) **S112807474**

Quantity:	Not reported
Units:	Not reported
Recovered:	600.00
Oxygenate:	Not reported

A16 **LOT 54,TAXBLOCK 7011** **NY E DESIGNATION** **S122254629**
South **2827 MERMAID AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.005 mi.
28 ft. **Site 8 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

E DESIGNATION:

Name:	LOT 54,TAXBLOCK 7011
Address:	2827 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	54
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A17 **2827 MERMAID AVENUE (HURRICANE SANDY)** **NY SPILLS 90** **S112394969**
South **2827 MERMAID AVENUE** **N/A**
< 1/8 **CONEY ISLAND, NY 11224**
0.005 mi.
28 ft. **Site 9 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

Spills:

Status:	CLOSED
Contact Name:	Not reported
Contact Phone:	Not reported
Site ID:	1212244
Secondary ID:	475389
Cross Street:	Not reported
County:	KINGS
Longitude:	0
Latitude:	0
Elevation:	Not reported

F18 **CON EDISON VAULT # 589** **NY Spills** **S112226396**
ESE **WEST 28TH STREET & MERMAID AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.006 mi.
30 ft. **Site 1 of 4 in cluster F**

Relative:
Lower

Actual:
2 ft.

SPILLS:

Name:	CON EDISON VAULT # 589
Address:	WEST 28TH STREET & MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1205589 / 2012-09-05
Facility ID:	1205589
Facility Type:	ER
DER Facility ID:	422860
Site ID:	468548
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2012-09-05
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	2012-09-05
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-09-05
Spill Record Last Update:	2012-09-05
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	Not reported
DEC Memo:	"9/5/12-Vought-Primary off-hours responder. This spill duplicate spill. Spill closed and referred to spill #1205590."
Remarks:	"Spill is contained in a cement vault. Believed to have been caused by tidal water. There is approx 50 gallons of water in the vault also."

All Materials:

Site ID:	468548
Operable Unit ID:	1218468
Operable Unit:	01
Material ID:	2216869
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

F19
ESE
< 1/8
0.006 mi.
30 ft.

CON EDISON VAULT #589
WEST 28TH STREET & MERMAID AVENUE
BROOKLYN, NY

Site 2 of 4 in cluster F

NY Spills **S112226397**
N/A

Relative:
Lower

Actual:
2 ft.

SPILLS:

Name:	CON EDISON VAULT #589
Address:	WEST 28TH STREET & MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1205590 / 2014-09-25
Facility ID:	1205590
Facility Type:	ER
DER Facility ID:	422860
Site ID:	468549
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	D4
SWIS:	2401
Spill Date:	2012-09-05
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2012-09-05
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-09-05
Spill Record Last Update:	2014-09-25
Spiller Name:	ERT
Spiller Company:	CON EDISON
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"9/4/12-Vought-Primary off hours responder. This spill assigned to DEC Feroze as part of routine Con Edison minor spill porfolio review and possible closure. Initial EMIS #230931 added to Cross Reference Field, deleted from Proxy and downloaded into E-docs. As per EMIS, F.O.D. Mech Mr. Dacon reports while being sent to phase check VS5589 (11B03) he discovered 30 gal of unknown oil in structure on 50 gal. of water contained. Possible source to be the unit and a pressure test is required. It is possible this structure is a tide hole as well. E-tag# 105972 was hung and a liquid sample of the structure was taken C/C# GG36440. Acct#C3237. N/P Tues & Friday 8:00 - 9:30 Am. See also duplicate spill 1205589 at same site. 9/25/14 - Austin - 30 gals motor oil (oil cans found in vicinity) atop 50 gals water in vault - Con Ed contained and cleaned up the spill - See the document files for further information - Spill closed - end"
Remarks:	"Spill is contained in a cement vault. Believed to have been caused by tidal water. There is approx 50 gallons of water in the vault also."

All Materials:

Site ID:	468549

CON EDISON VAULT #589 (Continued) **S112226397**

Operable Unit ID:	1218469
Operable Unit:	01
Material ID:	2216846
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

G20 **SURFSIDE -NYCHA** **NY LTANKS** **U000410718**
SE **2926 WEST 27TH STREET** **N/A**
< 1/8 **BROOKLYN, NY**
0.007 mi.
36 ft. **Site 1 of 2 in cluster G**

Relative: **Higher**
Actual: **3 ft.**

LTANKS:

Name:	SURFSIDE -NYCHA
Address:	2926 WEST 27TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9011481 / 2008-09-23
Facility ID:	9011481
Site ID:	185656
Spill Date:	1991-01-31
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	1991-01-31
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-02-08
Spill Record Last Update:	2008-09-23
Spiller Name:	Not reported
Spiller Company:	NYCHA
Spiller Address:	250 BROADWAY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	155282
DEC Memo:	"01/24/06: This spill transferred from J.Kolleeny to S.Kraszewski. One TTF in 1990 for a 35K tank installed in 1974. Tank was repaired and retested in 1993 and passed. Next test was in 1998. PBS database shows tank as active. However, NYCHA Tank Status Report does not have

SURFSIDE -NYCHA (Continued) **U000410718**

the tank listed for Surfside Houses. Unsure if tank is still active. Also, since a spill was recorded for this site a subsurface investigation must be performed to determine the extent of the contamination. - SK 03/14/06: This spill reassigned to K.Tang. - SK 09/23/08: Documents related to tank tightness testing submitted to the Department. Results indicate that manway gasket nuts and bolts were cause of testing failure, they were replaced and the tank passed testing. Spill closed based on this information. J.kann "

Remarks: "35K TANK FAILED HORNER EZY CHECK,SYSTEM TEST,GROSS LEAK,WILL EXCAVATE,ISOLATE & RETEST."

All TTF:

Facility ID:	9011481
Spill Number:	9011481
Spill Tank Test:	1538203
Site ID:	185656
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	185656
Operable Unit ID:	948499
Operable Unit:	01
Material ID:	428024
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

E21 **CON EDISON MANHOLE: 71776** **RCRA NonGen / NLR** **1016960497**
South **2965 W 29TH ST** **NY MANIFEST** **NYP004324935**
< 1/8 **BROOKLYN, NY 11224**
0.009 mi.
46 ft. **Site 3 of 3 in cluster E**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:	20130805
Handler Name:	CON EDISON MANHOLE: 71776
Handler Address:	2965 W 29TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004324935
Contact Name:	JUMEL DILLARD

Actual:
3 ft.

CON EDISON MANHOLE: 71776 (Continued) **1016960497**

Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		718-666-4564
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		ADMINISTRATIVE ASSISTANT L1-2
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking

CON EDISON MANHOLE: 71776 (Continued) **1016960497**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20140701
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20130705
Handler Name: CON EDISON MANHOLE: 71776	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130805
Handler Name: CON EDISON MANHOLE: 71776	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

CON EDISON MANHOLE: 71776 (Continued) **1016960497**

Evaluations: No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	2965 W 29TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004324935
Facility Status:	Not reported
Location Address 1:	2965 WEST 29TH ST
Code:	BP
Location Address 2:	MH #71776
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004324935
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PLACE 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	14150
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	07/05/2013
Trans1 Recv Date:	07/05/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/08/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004324935
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002084570GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N

CON EDISON MANHOLE: 71776 (Continued) **1016960497**

Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

H22 **LOT 1,TAXBLOCK 7011** **NY E DESIGNATION** **S122254394**
North **2828 NEPTUNE AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.010 mi.
51 ft. **Site 1 of 3 in cluster H**

Relative: **Lower**
Actual: **2 ft.**

E DESIGNATION:

Name:	LOT 1,TAXBLOCK 7011
Address:	2828 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	1
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A23
South
< 1/8
0.010 mi.
52 ft.

LOT 53,TAXBLOCK 7011
2825 MERMAID AVENUE
BROOKLYN, NY

Site 10 of 24 in cluster A

NY E DESIGNATION **S122254626**
N/A

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 53,TAXBLOCK 7011
Address:	2825 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	53
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A24
SE
< 1/8
0.010 mi.
52 ft.

LOT 49,TAXBLOCK 7011
2815 MERMAID AVENUE
BROOKLYN, NY

Site 11 of 24 in cluster A

NY E DESIGNATION **S122254604**
N/A

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 49,TAXBLOCK 7011
Address:	2815 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	49
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A25 **LOT 51,TAXBLOCK 7011** **NY E DESIGNATION** **S122254621**
SSE **2819 MERMAID AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.010 mi.
54 ft. **Site 12 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

E DESIGNATION:

Name:	LOT 51,TAXBLOCK 7011
Address:	2819 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	51
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A26 **RESIDENCE** **NY LTANKS** **S107523153**
SSE **2819 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.010 mi.
54 ft. **Site 13 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

LTANKS:

Name:	RESIDENCE
Address:	2819 MERMAID AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0510753 / 2006-08-21
Facility ID:	0510753
Site ID:	356790
Spill Date:	2005-12-14
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	qxabidi
Referred To:	Not reported
Reported to Dept:	2005-12-14
CID:	408
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-12-14

RESIDENCE (Continued) **S107523153**

Spill Record Last Update:	2006-08-21
Spiller Name:	VICTORIA CHCORI
Spiller Company:	RESIDENCE
Spiller Address:	2819 MERMAID AVE
Spiller County:	001
Spiller Contact:	VICTORIA CHCORI
Spiller Phone:	(718) 375-2731
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	306848
DEC Memo:	"Sangesland spoke to Rose Guido at Petro. She says the building has two 275 gal tanks tied together. There was a previous leak in one tank that was repaired in the past. Now there is a leak in the bottom of the second tank. Petro has called Milro to the site to vac out both tanks, they will set up a temp tank and will work on the clean up and tank repair/replacement in the next few days. *****Need to contact Milro in a few days to find out what work was done and if a digout is needed. ****** 12/20/05 - Raphael Ketani. I called Milro ((800) 773-6780), but there was no one there who could tell me what was taking place at the site. I left a message for someone to call me back. I spoke to Nick Charonotoulos of PTC and he said that the two tanks had been removed, but he didn't know anything else. Anthony called me back to say that the tanks were only pumped out and not removed. He sent a FAX with the hazardous waste material manifest for the tank bottom sludge. 12/29/05 - Raphael Ketani. I left a message for Anthony of Milro to call me back regarding progress on cleaning up the spill. Anthony called me back and said that he would look into what was happening with the site. 07/18/06: This spill is transferred from Mr. Koon Tang to Q.Abidi. Called Mr. Nick (Manager) at (718)628-3305 and left message to call me back. -QA 08/08/06: Called Mr. Nick and left message to call me back. -QA 08/21/06: Called Anthony (Milro Company) and left message to call me back. -QA 08/21/06: According to the letter of Mr. Nick Chronopoulos, Manager (Petro Heating Company) in which he mentioned they cleaned up all the oil and debris, at above premises. The oil in the basement fell on a concrete floor which had no cracks. All the oil was contained near the tanks and picked up. The tanks were leaking were pumped out by Milro Company and removed from the premises. Based on this information this spill is closed. -QA "
Remarks:	"TANK IS LEAKING ON THE BOTTOM. CLEAM UP IN PROGRESS"

All Materials:

Site ID:	356790
Operable Unit ID:	1114085
Operable Unit:	01
Material ID:	2104166
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A27
SE
< 1/8
0.010 mi.
54 ft.

LOT 47,TAXBLOCK 7011
2809 MERMAID AVENUE
BROOKLYN, NY

Site 14 of 24 in cluster A

NY E DESIGNATION **S122254600**
N/A

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 47,TAXBLOCK 7011
Address:	2809 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	47
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A28
SSE
< 1/8
0.010 mi.
54 ft.

LOT 52,TAXBLOCK 7011
2823 MERMAID AVENUE
BROOKLYN, NY 11224

Site 15 of 24 in cluster A

NY E DESIGNATION **S122254622**
N/A

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 52,TAXBLOCK 7011
Address:	2823 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Tax Lot(s):	52
Tax Block:	7011
Borough Code:	BK
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

F29 **USPS - CONEY ISLAND STATION** **RCRA NonGen / NLR** **1004756162**
East **2727 MERMAID AVE** **FINDS** **NY9180011224**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.011 mi.
60 ft. **Site 3 of 4 in cluster F**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	USPS - CONEY ISLAND STATION	
Handler Address:		2727 MERMAID AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-9998
EPA ID:		NY9180011224
Contact Name:		ROBERT SKRIVANEK
Contact Address:		LIBERTY AVE
Contact City,State,Zip:		OZONE PARK, NY 11417-1045
Contact Telephone:		718-529-7220
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Federal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		LIBERTY AVE
Mailing City,State,Zip:		OZONE PARK, NY 11417-1045
Owner Name:	US POSTAL SERVICE	
Owner Type:		Federal
Operator Name:	US POSTAL SERVICE	
Operator Type:		Federal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		The land is federally-owned, The site is federally-owned, The site is federally-operated
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline

USPS - CONEY ISLAND STATION (Continued) **1004756162**

Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	USPS BROOKLYN PROC & DIST CENTER
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1050 FORBELL ST

USPS - CONEY ISLAND STATION (Continued) **1004756162**

Owner/Operator City,State,Zip: BROOKLYN, NY 11256-9998
Owner/Operator Telephone: 718-348-3510
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: US POSTAL SERVICE
Legal Status: Federal
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: US POSTAL SERVICE
Legal Status: Federal
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: 2727 MERMAID AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224-9998
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: US POSTAL SERVICE
Legal Status: Federal
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: US POSTAL SERVICE
Legal Status: Federal
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: 2727 MERMAID AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224-9998
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101
Handler Name: USPS - CONEY ISLAND STATION

USPS - CONEY ISLAND STATION (Continued) **1004756162**

Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: USPS - CONEY ISLAND STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19950705
Handler Name: US POSTAL SERVICE - CONEY ISLAND
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20030730
Handler Name: USPS - CONEY ISLAND STATION
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 49111
NAICS Description: POSTAL SERVICE

Facility Has Received Notices of Violations:
Violations: No Violations Found

USPS - CONEY ISLAND STATION (Continued) **1004756162**

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004326211

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004756162
Registry ID:	110004326211
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004326211
Name:	USPS - CONEY ISLAND STATION
Address:	2727 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224

I30 **CON EDISON** **RCRA NonGen / NLR** **1019905204**
South **W 30TH ST & SURF AVE** **FINDS** **NYP004807038**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.012 mi.
62 ft. **Site 1 of 11 in cluster I**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150714
Handler Name:	CON EDISON	
Handler Address:		W 30TH ST & SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004807038
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003

CON EDISON (Continued) **1019905204**

Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20160909
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported

CON EDISON (Continued) **1019905204**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Historic Generators:

Receive Date:	20150714
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20150714
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069671019

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CON EDISON (Continued) **1019905204**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1019905204
Registry ID:	110069671019
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110069671019
Name:	CON EDISON
Address:	W 30TH ST & SURF AVE
City,State,Zip:	BROOKLYN, NY 11224

H31 **MANHOLE #36383** **NY Spills** **S104880152**
North **NEPTUNE AV & W 28TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.012 mi.
65 ft. **Site 2 of 3 in cluster H**

Relative: **Lower**

Actual: **1 ft.**

SPILLS:

Name:	MANHOLE #36383
Address:	NEPTUNE AV & W 28TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0008915 / 2001-05-07
Facility ID:	0008915
Facility Type:	ER
DER Facility ID:	108903
Site ID:	125919
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2000-11-01
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2000-11-01
CID:	390
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-11-01
Spill Record Last Update:	2001-06-19
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	BILL MURPHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY DEC INSPECTOR'S NOTES CON ED E2MIS REPORT 11-01-00 Found approx. 1qt. of an unknown oily substance floating on approx. 500gals. of water in MH36383. while doing open mains. Liquid is contained, no sewersor waterways affected. No leaking equipment, no sump. Liquid PCB sample taken. Lab Seq# 00-10441 <1ppm Update

MANHOLE #36383 (Continued) **S104880152**

11-14-00 13:10hrs. Cleanup completed by Flush employee Russo. No sump in structure. 11-15-00 Clenaup completed by double washing structure with slix. Liquids were removed by tanker and solids were removed by vactor. No leaking company equipment. Incident closed. Aroclor 1242 1ppm Aroclor 1248 1ppm Aroclor 1254 1ppm Aroclor 1260 1ppm"

Remarks: "1 qt on 500 gals of water - sample taken clean up pending lab results con ed #134194"

All Materials:

Site ID:	125919
Operable Unit ID:	831337
Operable Unit:	01
Material ID:	546418
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A32
ESE
< 1/8
0.013 mi.
69 ft.

LOT 46,TAXBLOCK 7011
2807 MERMAID AVENUE
BROOKLYN, NY 11224

Site 16 of 24 in cluster A

NY E DESIGNATION **S122254596**
N/A

Relative:
Lower

Actual:
2 ft.

E DESIGNATION:

Name:	LOT 46,TAXBLOCK 7011
Address:	2807 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Tax Lot(s):	46
Tax Block:	7011
Borough Code:	BK
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported

A33
ESE
< 1/8
0.014 mi.
73 ft.

LOT 45,TAXBLOCK 7011
2805 MERMAID AVENUE
BROOKLYN, NY

Site 17 of 24 in cluster A

NY E DESIGNATION **S122254590**
N/A

Relative:
Lower

Actual:
2 ft.

E DESIGNATION:

Name:	LOT 45,TAXBLOCK 7011
Address:	2805 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	45
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

D34
South
< 1/8
0.014 mi.
73 ft.

CON EDISON MANHOLE: 53093
3047 W 29TH ST
BROOKLYN, NY 11224

Site 2 of 13 in cluster D

RCRA NonGen / NLR **1016677286**
FINDS **NYP004308490**
ECHO
NY MANIFEST

Relative:
Higher

Actual:
3 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20130607
Handler Name:	CON EDISON MANHOLE: 53093
Handler Address:	3047 W 29TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004308490
Contact Name:	ANTHONY SIGNORE
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	718-666-4714
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	GENERAL UTILITY WORKER L1-2
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	VING PL, RM 828
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	Not reported

CON EDISON MANHOLE: 53093 (Continued) **1016677286**

Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20140402
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported
Manifest Broker:		Not reported

CON EDISON MANHOLE: 53093 (Continued) **1016677286**

Sub-Part P Indicator: No

Historic Generators:

Receive Date:	20130507
Handler Name:	CON EDISON MANHOLE: 53093
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130607
Handler Name:	CON EDISON MANHOLE: 53093
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110058870832

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CON EDISON MANHOLE: 53093 (Continued) **1016677286**

ECHO:
- Envid: 1016677286
- Registry ID: 110058870832
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110058870832
- Name: CON EDISON MANHOLE: 53093
- Address: 3047 W 29TH ST
- City,State,Zip: BROOKLYN, NY 11224

NY MANIFEST:
- Name: CON EDISON
- Address: 3047 W 29TH ST
- City,State,Zip: BROOKLYN, NY 11224
- Country: USA
- EPA ID: NYP004308490
- Facility Status: Not reported
- Location Address 1: W 29TH ST & BOARDWALK
- Code: BP
- Location Address 2: MH 53093
- Total Tanks: Not reported
- Location City: BROOKLYN
- Location State: NY
- Location Zip: 11224
- Location Zip 4: Not reported

NY MANIFEST:
- EPAID: NYP004308490
- Mailing Name: CON EDISON
- Mailing Contact: CON EDISON
- Mailing Address 1: 4 IRVING PL 15TH FL
- Mailing Address 2: Not reported
- Mailing City: NEW YORK
- Mailing State: NY
- Mailing Zip: 10003
- Mailing Zip 4: Not reported
- Mailing Country: USA
- Mailing Phone: 2124603770

NY MANIFEST:
- Document ID: Not reported
- Manifest Status: Not reported
- seq: Not reported
- Year: 2018
- Trans1 State ID: NJD003812047
- Trans2 State ID: Not reported
- Generator Ship Date: 05/07/2013
- Trans1 Recv Date: 05/07/2013
- Trans2 Recv Date: Not reported
- TSD Site Recv Date: 05/08/2013
- Part A Recv Date: Not reported
- Part B Recv Date: Not reported
- Generator EPA ID: NYP004308490
- Trans1 EPA ID: Not reported
- Trans2 EPA ID: Not reported
- TSDF ID 1: NJD991291105
- TSDF ID 2: Not reported
- Manifest Tracking Number: 002017591GBF

CON EDISON MANHOLE: 53093 (Continued) **1016677286**

Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D009
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

J35 **CON EDISON - SERVICE BOX 4364** **RCRA-LQG** **1016962293**
SSW **2960 W 31 ST** **NYP004353058**
< 1/8 **BROOKLYN, NY 11216**
0.014 mi.
75 ft. **Site 1 of 8 in cluster J**

Relative: **Higher**
Actual: **4 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - SERVICE BOX 4364
Handler Address:	2960 W 31 ST
Handler City,State,Zip:	BROOKLYN, NY 11216
EPA ID:	NYP004353058
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	401-765-1500
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY

CON EDISON - SERVICE BOX 4364 (Continued) **1016962293**

State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

CON EDISON - SERVICE BOX 4364 (Continued) **1016962293**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130829
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130829
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140327
Handler Name:	CON EDISON - SERVICE BOX 4364
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date: 20130829

CON EDISON - SERVICE BOX 4364 (Continued) **1016962293**

Handler Name: CON EDISON SERVICE BOX: 4364
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130929
Handler Name: CON EDISON SERVICE BOX: 4364
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J36 **CON EDISON - SERVICE BOX** **NY MANIFEST** **S120958633**
SSW **2960 W 31 ST** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.014 mi.
75 ft. **Site 2 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:
Name: CON EDISON - SERVICE BOX
Address: 2960 W 31 ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004953327
Facility Status: Not reported
Location Address 1: 2960 W 31 ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224

CON EDISON - SERVICE BOX (Continued) **S120958633**

Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004953327
Mailing Name: CON EDISON - SERVICE BOX
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL 15TH FL NE
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

J37 **CON EDISON** **NY MANIFEST** **S117736940**
SSW **2960 W 31ST** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.014 mi.
75 ft. **Site 3 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:
Name: CON EDISON
Address: 2960 W 31ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004589669
Facility Status: Not reported
Location Address 1: 2960 W 31ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004589669
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported

CON EDISON (Continued) **S117736940**

Generator Ship Date:	07/08/2014
Trans1 Recv Date:	07/08/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004589669
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774243JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

J38 **CON EDISON** **NY MANIFEST** **S119073732**
SSW **2960 W 31 ST** **N/A**
< 1/8 **BROOKLYN, NY 11216**
0.014 mi.
75 ft. **Site 4 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	2960 W 31 ST
City,State,Zip:	BROOKLYN, NY 11216
Country:	USA
EPA ID:	NYP004353058
Facility Status:	Not reported
Location Address 1:	2960 W 31 ST
Code:	BP

CON EDISON (Continued) **S119073732**

Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11216
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004353058
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE 15 FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	08/29/2013
Trans1 Recv Date:	08/29/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/03/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004353058
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002219653GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500

CON EDISON (Continued) **S119073732**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

K39 **NYC DEPT OF EDUCATION - PS 329K** **RCRA-SQG** **1017780058**
SSW **2929 W 30TH ST** **NYR000216507**
< 1/8 **BROOKLYN, NY 11224**
0.014 mi.
76 ft. **Site 1 of 2 in cluster K**

Relative: **Higher**

Actual: **3 ft.**

RCRA-SQG:

Date Form Received by Agency:		20150116
Handler Name:	NYC DEPT OF EDUCATION -	PS 329K
Handler Address:		2929 W 30TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000216507
Contact Name:		ALEXANDER LEMPERT
Contact Address:		THOMSON AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-472-8501
Contact Fax:		718-472-8500
Contact Email:		ALEMPERT@NYCSCA.ORG
Contact Title:		SENIOR DIRECTOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		THOMSON AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYC DEPT OF EDUCATION	
Owner Type:		Municipal
Operator Name:	NYC DEPT OF SCHOOL FACILITIES	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No

NYC DEPT OF EDUCATION - PS 329K (Continued) **1017780058**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC DEPT OF SCHOOL FACILITIES	
Legal Status:	Municipal
Date Became Current:	19740123
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

NYC DEPT OF EDUCATION - PS 329K (Continued) **1017780058**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYC DEPT OF EDUCATION
Legal Status: Municipal
Date Became Current: 19740123
Date Ended Current: Not reported
Owner/Operator Address: 30-30 THOMSON AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101
Owner/Operator Telephone: 718-472-8501
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20150116
Handler Name: NYC DEPT OF EDUCATION - PS 329K
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 611110
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K40 **NYC DEPT OF EDUCATION - PS 329K** **NY AST** **U003394311**
SSW **2929 W 30TH ST** **NY Spills** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY MANIFEST**
0.014 mi.
76 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
3 ft.

AST:
Name: P.S. 329 - BROOKLYN K329
Address: 2929 WEST 30TH STREET
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-355739
Program Type: PBS
UTM X: 584961.87974
UTM Y: 4492065.56679

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Expiration Date: N/A
Site Type: School

Affiliation Records:

Site Id: 17741
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: Not reported
Address1: 44-36 VERNON BOULEVARD
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 349-5752
EMail: Not reported
Fax Number: Not reported
Modified By: MFLEONAR
Date Last Modified: 2017-06-08

Site Id: 17741
Affiliation Type: Mail Contact
Company Name: NYC DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: MUNENDRA SHARMA
Address1: FIELD OPERATIONS-FUEL DIVISION
Address2: 44-36 VERNON BOULEVARD
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 349-5752
EMail: MSHARMA@SCHOOLS.NYC.GOV
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2020-02-04

Site Id: 17741
Affiliation Type: Facility Operator
Company Name: PUBLIC SCHOOL 329 - BROOKLYN K329
Contact Type: Not reported
Contact Name: JOSEPH NISTA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 714-1461
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2014-04-14

Site Id: 17741
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Contact Type:	Not reported
Contact Name:	KEN MAHADEO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 210-7918
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2021-12-22

Tank Info:

Tank Number:	001
Tank Id:	34731
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

Equipment Records:

	A00 - Tank Internal Protection - None B01 - Tank External Protection - Painted/Asphalt Coating F01 - Pipe External Protection - Painted/Asphalt Coating K00 - Spill Prevention - None H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G) L00 - Piping Leak Detection - None D03 - Pipe Type - Stainless Steel Alloy G02 - Tank Secondary Containment - Vault (w/access) E00 - Piping Secondary Containment - None C03 - Pipe Location - Aboveground/Underground Combination J02 - Dispenser - Suction Dispenser I04 - Overfill - Product Level Gauge (A/G)
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	02/21/1974
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	03/31/2016
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	#4 fuel oil (on-site consumption)

Tank Number:	002
Tank Id:	34732
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
D03 - Pipe Type - Stainless Steel Alloy
G02 - Tank Secondary Containment - Vault (w/access)
E00 - Piping Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	02/21/1974
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	03/31/2016
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	#4 fuel oil (on-site consumption)

SPILLS:

Name:	SANDY FOLLOW UP
Address:	2929 WEST 30TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1208834 / 2013-04-23
Facility ID:	1208834
Facility Type:	ER
DER Facility ID:	426161
Site ID:	471897
DEC Region:	2
Spill Cause:	Storm
Spill Class:	C4
SWIS:	2401
Spill Date:	2012-11-03
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	2012-11-03
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Date Entered In Computer:	2012-11-03
Spill Record Last Update:	2013-04-23
Spiller Name:	BECKY KINAL
Spiller Company:	STORM
Spiller Address:	2929 WEST 30TH STREET
Spiller Company:	999
Contact Name:	BECKY KINAL
DEC Memo:	"AKRF oversaw the spill clean up in the AST vault and boiler room.As per AKRF, The boiler room and AST vault was cleaned to pre flood condition.Report in edocs.Case closed.(sr)"
Remarks:	""

All Materials:

Site ID:	471897
Operable Unit ID:	1221753
Operable Unit:	01
Material ID:	2220416
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NY MANIFEST:

Name:	NYC DEPT OF EDUCATION - PS 329K
Address:	2929 W 30TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000216507
Facility Status:	Not reported
Location Address 1:	2929 WEST 30TH STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000216507
Mailing Name:	NYC DEPT OF EDUCATION - PS 329K
Mailing Contact:	NEW YORK CITY SCA
Mailing Address 1:	2929 W 30TH ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	3478850108

NY MANIFEST:

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	10/10/2016
Trans1 Recv Date:	10/10/2016
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/25/2016
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000216507
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	MAC300017498
TSDF ID 2:	Not reported
Manifest Tracking Number:	000976774VES
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H039
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2176
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	8
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Waste Code:	B004
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

J41 **SURFSIDE GARDENS (BLDG. #3)** **NY LTANKS** **U001840678**
SW **2940 WEST 31ST STREET** **NY UST** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY Spills**
0.014 mi.
76 ft. **Site 5 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

LTANKS:

Name:	SURFSIDE -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9103939 / 1995-04-27
Facility ID:	9103939
Site ID:	99908
Spill Date:	1991-07-12
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1995-04-27
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1991-07-12
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-07-12
Spill Record Last Update:	2005-12-29
Spiller Name:	Not reported
Spiller Company:	NYCHA
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	79598
DEC Memo:	""
Remarks:	"30K HORNER EZY-CHECK;GROSS LEAK-WILL EXCAVATE, ISOLATE & RETEST. SEE SPILL # 9411051"

All TTF:

Facility ID:	9103939
Spill Number:	9103939
Spill Tank Test:	1538755
Site ID:	99908
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 99908
Operable Unit ID: 954719
Operable Unit: 01
Material ID: 423051
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: -1.00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

Name: SURFSIDE PLANT #3 -NYCHA
Address: 2940 WEST 31ST ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9411051 / 2005-12-29
Facility ID: 9411051
Site ID: 91118
Spill Date: 1994-11-17
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: SWKRASZE
Referred To: Not reported
Reported to Dept: 1994-11-18
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1994-11-18
Spill Record Last Update: 2005-12-29
Spiller Name: Not reported
Spiller Company: NYC HOUSING AUTHORITY
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 79598
DEC Memo: "12/29/05: This spill transferred from R.Keating to S.Kraszewski. This spill closed to consolidate with open spill #0002408. - SK"
Remarks: "WILL EXCAVATE ISOLATE AND RETETST AT LATER DATE"

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

All TTF:

Facility ID:	9411051
Spill Number:	9411051
Spill Tank Test:	1543366
Site ID:	91118
Tank Number:	001
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	91118
Operable Unit ID:	1008929
Operable Unit:	01
Material ID:	376911
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SURFSIDE HOUSES -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9406062 / 1995-04-27
Facility ID:	9406062
Site ID:	298283
Spill Date:	1994-08-03
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	1995-04-27
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1994-08-03
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Remediation Phase:	0
Date Entered In Computer:	1994-08-09
Spill Record Last Update:	2005-12-29
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	79598
DEC Memo:	""
Remarks:	"TO MONITOR AND REPAIR. SEE SPILL # 9411051"

All TTF:

Facility ID:	9406062
Spill Number:	9406062
Spill Tank Test:	1543008
Site ID:	298283
Tank Number:	001
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	298283
Operable Unit ID:	1003438
Operable Unit:	01
Material ID:	379112
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SURFSIDE HOUSES -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9305776 / 1995-04-27
Facility ID:	9305776
Site ID:	105680
Spill Date:	1993-08-06
Spill Cause:	Tank Test Failure

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1995-04-27
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1993-08-10
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1993-08-11
Spill Record Last Update:	2005-12-29
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	79598
DEC Memo:	""
Remarks:	"TO EMPTY TANK-SET UP FOR ULTRASONIC TEST & LINE TEST. SEE SPILL # 9411051"

All TTF:

Facility ID:	9305776
Spill Number:	9305776
Spill Tank Test:	1541863
Site ID:	105680
Tank Number:	001
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	105680
Operable Unit ID:	987281
Operable Unit:	01
Material ID:	395682
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

UST:
Name: SURFSIDE GARDENS (BLDG. #3)
Address: 2940 WEST 31ST STREET
City,State,Zip: BROOKLYN, NY 11224
Id/Status: 2-474045 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 03/28/2024
UTM X: 584825.11645
UTM Y: 4491993.59395
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20876
Affiliation Type: Facility Owner
Company Name: NYC HOUSING AUTHORITY
Contact Type: COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2019-02-28

Site Id: 20876
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: 5TH FLOOR - REMEDIATION
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: YELENA.TKACH@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-18

Site Id: 20876
Affiliation Type: Facility Operator

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Company Name:	SURFSIDE GARDENS (BLDG. #3)
Contact Type:	Not reported
Contact Name:	NYC HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20876
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-01-31

Tank Info:

Tank Number:	1
Tank ID:	59517
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	07/01/2000
Date Tank Closed:	09/26/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	10/18/2018

Equipment Records:

C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

E04 - Piping Secondary Containment - Double walled UG
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
B09 - Tank External Protection - Urethane
H05 - Tank Leak Detection - In-Tank System (ATG)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
A00 - Tank Internal Protection - None
F05 - Pipe External Protection - Jacketed
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number:	OLD 1
Tank ID:	37589
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	30000
Install Date:	06/01/1969
Date Tank Closed:	06/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

SPILLS:

Name:	SURFSIDE GDNS PLANT # 3 -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9414147 / 1995-02-02
Facility ID:	9414147
Facility Type:	ER
DER Facility ID:	79598
Site ID:	298284
DEC Region:	2
Spill Cause:	Equipment Failure

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Spill Class:	B3
SWIS:	2401
Spill Date:	1995-01-25
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1995-01-25
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	1995-02-02
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1995-02-02
Spill Record Last Update:	2005-12-29
Spiller Name:	Not reported
Spiller Company:	NYC HOUISNG AUTHORITY
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"MECHANICAL FAILURE IN PUMP STATION-SPILLED INTO SUMP. BEING CLEANED BY WINSTON CONTRACTING."

All Materials:

Site ID:	298284
Operable Unit ID:	1011563
Operable Unit:	01
Material ID:	372899
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40.00
Units:	G
Recovered:	40.00
Oxygenate:	Not reported

Name:	SURFSIDE HOUSES -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0002408 / 2009-12-30
Facility ID:	0002408
Facility Type:	ER
DER Facility ID:	79598
Site ID:	86819
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	2401
Spill Date:	2000-05-26
Investigator:	jkkann
Referred To:	CONSOLIDATED WITH 9914650
Reported to Dept:	2000-05-26

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

CID:	281
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-26
Spill Record Last Update:	2009-12-30
Spiller Name:	MARIO MANDALONE
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	123 WILLIAM ST
Spiller Company:	001
Contact Name:	MARIO MANDALONE
DEC Memo:	"11/21/05: This spill transferred from J.Kolleeny to S.Kraszewski. 12/29/05: ISRP from 1997 specifies 6 borings and 3 MWs installed. Only 1 GW sample detected VOCs below AWQ. One soil boring detected TPHs at 1620 ppm. No site assessment performed dring excavation of old tank. - SK 01/30/06: This spill transferred from S.Kraszewaski to Q.Abidi. 04/03/06: This spill transferred from Q. Abidi to Koon Tang. 12/30/09: J.Kann - site reassigned to J.Kann and consolidated with 9914650"
Remarks:	"SOIL CONTAMINATION DISCOVERED DURING TANK REMOVAL. AREA TO BE EXCAVATED AND RETESTED. NO CALL BACK REQEUSTED."

All Materials:

Site ID:	86819
Operable Unit ID:	824325
Operable Unit:	01
Material ID:	550767
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	6.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SURFSIDE HOUSES -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9914650 / 2018-05-25
Facility ID:	9914650
Facility Type:	ER
DER Facility ID:	79598
Site ID:	86820
DEC Region:	2
Spill Cause:	Other
Spill Class:	C4
SWIS:	2401
Spill Date:	2000-03-27
Investigator:	AAOBLIGA
Referred To:	RELATED TO TANK FAILURE? CONSOLIDATED WITH 0002408

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Reported to Dept:	2000-03-27
CID:	281
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-03-27
Spill Record Last Update:	2018-05-25
Spiller Name:	PHIL LAROSA
Spiller Company:	AL EASTMAN
Spiller Address:	444 TIFFANY ST
Spiller Company:	001
Contact Name:	MARIO MANDALONE
DEC Memo:	"11/21/05: This spill transferred from J.Kolleeny to S.Kraszewski. 01/30/06: This spill transferred from S.Kraszewaski to Q.Abidi. 04/03/06: This spill transferred from Q. Abidi to Koon Tang. 12/30/09: J.kann - site reassigned to J.Kann. Consolidated with 0002408 06/05/17: J.Kann - GSIP for investigation at this site was approved in 2016. As per NYCHA at May 31, 2017 meeting, contractor has been selected for this work and will start work in summer 2017. Spill reassigned to Andre Obligado. 5/25/18 - Obligado - I reviewed the Phase II report. All soil and groundwater results met clean up stands. Spill closed."
Remarks:	"ABOVE MATERIAL SPILLED AT ABOVE LOCATION DUE TO SEPAGE OF GROUND WATER. MATERIAL CONTAINED. AL EASTMAN HAS CONTACTED A SPILL REPONSE TEAM FOR CLEANUP. NO CALL BACK REQEUSTED."

All Materials:

Site ID:	86820
Operable Unit ID:	1089158
Operable Unit:	01
Material ID:	292944
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	1.00
Oxygenate:	Not reported

Site ID:	86820
Operable Unit ID:	1089158
Operable Unit:	01
Material ID:	292943
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

J42 **SURFSIDE GARDENS (BLDG. #3)** **NY AST** **A100364504**
SW **2940 WEST 31ST STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.014 mi.
76 ft. **Site 6 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

AST:

Name:	SURFSIDE GARDENS (BLDG. #3)
Address:	2940 WEST 31ST STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-474045
Program Type:	PBS
UTM X:	584825.11645
UTM Y:	4491993.59395
Expiration Date:	03/28/2024
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20876
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-02-28

Site Id:	20876
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR - REMEDIATION
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20876
Affiliation Type:	Facility Operator
Company Name:	SURFSIDE GARDENS (BLDG. #3)
Contact Type:	Not reported
Contact Name:	NYC HOUSING AUTHORITY

SURFSIDE GARDENS (BLDG. #3) (Continued) **A100364504**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20876
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-01-31

Tank Info:

Tank Number:	2
Tank Id:	246405
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	E00 - Piping Secondary Containment - None
	H00 - Tank Leak Detection - None
	F00 - Pipe External Protection - None
	J03 - Dispenser - Gravity
	C01 - Pipe Location - Aboveground
	A00 - Tank Internal Protection - None
	B01 - Tank External Protection - Painted/Asphalt Coating
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
	K00 - Spill Prevention - None
	I05 - Overfill - Vent Whistle
	L02 - Piping Leak Detection - Interstitial - Manual Monitoring
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/20/2012

SURFSIDE GARDENS (BLDG. #3) (Continued) **A100364504**

Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JSMACRI
Last Modified:	12/28/2018
Material Name:	#2 fuel oil (on-site consumption)

D43 **METROPOLITAN JEWISH GERIATRIC** **NY AST** **U003074369**
South **3023 WEST 29TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.015 mi.
79 ft. **Site 3 of 13 in cluster D**

Relative:
Higher

Actual:
3 ft.

AST:

Name:	METROPOLITAN JEWISH GERIATRIC
Address:	3023 WEST 29TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-189782
Program Type:	PBS
UTM X:	585084.76125
UTM Y:	4491799.50073
Expiration Date:	N/A
Site Type:	Other

Affiliation Records:

Site Id:	5818
Affiliation Type:	Facility Owner
Company Name:	METROPOLITAN JEWISH GERIATRIC CENTER
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	3023 WEST 29TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11224
Country Code:	001
Phone:	(718) 266-5700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	5818
Affiliation Type:	Mail Contact
Company Name:	SHOREFRONT JEWISH GERIATRIC CENTER
Contact Type:	Not reported
Contact Name:	ROBERT CLEMENS
Address1:	THE HARRY AND JEANETTE WEINBERG PAVILION
Address2:	3015 WEST 29TH STREET
City:	BROOKLYN
State:	NY
Zip Code:	11224

METROPOLITAN JEWISH GERIATRIC (Continued) **U003074369**

Country Code:	001
Phone:	(718) 266-5700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	5818
Affiliation Type:	Facility Operator
Company Name:	METROPOLITAN JEWISH GERIATRIC
Contact Type:	Not reported
Contact Name:	METROPOLITAN JEWISH GERIATRIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 266-5700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	5818
Affiliation Type:	Emergency Contact
Company Name:	METROPOLITAN JEWISH GERIATRIC CENTER
Contact Type:	Not reported
Contact Name:	METROPOLITAN JEWISH GERIATRIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 266-5700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	001
Tank Id:	6449
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel

METROPOLITAN JEWISH GERIATRIC (Continued) **U003074369**

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
Tank Location: Aboveground in subterranean vault with access for inspections.....
Tank in subterranean vault but accessible for inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 11/01/1991
Capacity Gallons: 14800
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 11/01/1991
Register: True
Modified By: TRANSLAT
Last Modified: 04/14/2017
Material Name: #2 fuel oil (on-site consumption)

Tank Number: 002
Tank Id: 6450
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
Tank Location: Aboveground in subterranean vault with access for inspections.....
Tank in subterranean vault but accessible for inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 5000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 02/01/1992
Register: True
Modified By: TRANSLAT
Last Modified: 04/14/2017
Material Name: #2 fuel oil (on-site consumption)

Tank Number: 003
Tank Id: 6451
Material Code: 0008
Common Name of Substance: Diesel

METROPOLITAN JEWISH GERIATRIC (Continued) **U003074369**

Equipment Records:
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
J02 - Dispenser - Suction Dispenser
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
A01 - Tank Internal Protection - Epoxy Liner
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	06/01/1993
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	diesel
Tank Number:	004
Tank Id:	43562
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
A01 - Tank Internal Protection - Epoxy Liner

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	06/01/1993
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017

METROPOLITAN JEWISH GERIATRIC (Continued) **U003074369**

Material Name: #2 fuel oil (on-site consumption)

I44 **CON EDISON SERVICE BOX: 53109** **RCRA NonGen / NLR** **1017778706**
SSW **3010 SURF AVE FRONT OF** **FINDS** **NYP004566501**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 2 of 11 in cluster I**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140716
Handler Name:	CON EDISON SERVICE BOX:	53109
Handler Address:		3010 SURF AVE FRONT OF
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004566501
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported

CON EDISON SERVICE BOX: 53109 (Continued) **1017778706**

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150211
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20140616
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140616
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

CON EDISON SERVICE BOX: 53109 (Continued) **1017778706**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140716
Handler Name: CON EDISON SERVICE BOX: 53109
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110063842711

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I45 **CON EDISON** **NY MANIFEST** **S117736770**
SSW **3010 SURF AVE FRONT OF** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 3 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:
Name: CON EDISON
Address: 3010 SURF AVE FRONT OF
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004566501
Facility Status: Not reported

CON EDISON (Continued) **S117736770**

Location Address 1:	W 33 ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004566501
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	06/16/2014
Trans1 Recv Date:	06/16/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/17/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004566501
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002502620GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON (Continued) **S117736770**

Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

I46 **CON EDISON** **NY MANIFEST** **S118090165**
SSW **3030 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 4 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	3030 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004777827
Facility Status:	Not reported
Location Address 1:	3030 SURF AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004777827
Mailing Name:	CON EDISON
Mailing Contact:	DENNIS HUACON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	05/01/2015

CON EDISON (Continued) **S118090165**

Trans1 Recv Date:	05/01/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/01/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004777827
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	014088495JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	3000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

I47 **CON EDISON** **NJ MANIFEST** **S120671351**
SSW **3030 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 5 of 11 in cluster I**

Relative: NJ MANIFEST:
Higher

EPA Id:	NYP004777827
Mail Address:	IRVING PLACE, 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THERESA BURKARD
Comments:	Not reported
SIC Code:	Not reported
County:	NY047

Actual:
3 ft.

CON EDISON (Continued) **S120671351**

Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014088495JJK
EPA ID:	NYP004777827
Date Shipped:	5/1/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

I48 **CON EDISON** **RCRA NonGen / NLR** **1019324923**
SSW **3030 SURF AVE** **NYP004777827**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 6 of 11 in cluster I**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150501
Handler Name:	CON EDISON	
Handler Address:		3030 SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004777827
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CON EDISON (Continued) **1019324923**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160909
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20150501
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private

CON EDISON (Continued) **1019324923**

Date Became Current: 20150501
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20160205
Handler Name: CON EDISON - CUSTOMER MANHOLE 1
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150501
Handler Name: CON EDISON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150501
Handler Name: CON EDISON
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

CON EDISON (Continued) **1019324923**

Evaluation Action Summary:
Evaluations: No Evaluations Found

I49 **NYCHA - CONEY ISLAND HOUSES** **RCRA NonGen / NLR** **1001493615**
South **3002 SURF AVE** **FINDS** **NYR000075069**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.016 mi.
83 ft. **Site 7 of 11 in cluster I**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - CONEY ISLAND HOUSES	
Handler Address:		3002 SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-2516
EPA ID:		NYR000075069
Contact Name:		FRANK OCELLO
Contact Address:		BROADWAY
Contact City,State,Zip:		NEW YORK, NY 10007-2516
Contact Telephone:		212-306-3229
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007-2516
Owner Name:	NYCHA	
Owner Type:		Municipal
Operator Name:	NYCHA	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493615**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493615**

Owner/Operator Name: NYCHA
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007-2516
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYCHA
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007-2516
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990812
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493615**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004555366

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001493615
Registry ID: 110004555366
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004555366
Name: NYCHA - CONEY ISLAND HOUSES
Address: 3002 SURF AVE
City,State,Zip: BROOKLYN, NY 11224

I50 **CONEY ISLAND HOUSES (SURFSIDE HOUSES)** **NY LTANKS** **U000418221**
SSW **3020 SURF AVENUE** **NY UST** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY AST**
0.016 mi. **NY Spills**
83 ft. **Site 8 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

LTANKS:
Name: CONEY ISLAND HOUSES -NYCHA
Address: 3020 SURF AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9803121 / 2005-10-19
Facility ID: 9803121
Site ID: 327261
Spill Date: 1998-06-10
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: E6

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	SWKRASZE
Referred To:	Not reported
Reported to Dept:	1998-06-10
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-06-10
Spill Record Last Update:	2005-10-19
Spiller Name:	FRANK OCELLO
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	250 BROADWAY
Spiller County:	001
Spiller Contact:	FRANK OCELLO
Spiller Phone:	(212) 306-3229
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	263429
DEC Memo:	"10/19/05: This spill closed to consolidate with open spill #0210144. S.Kraszewski"
Remarks:	"WILL ISOLATE AND RE-TEST."

All TTF:

Facility ID:	9803121
Spill Number:	9803121
Spill Tank Test:	1545974
Site ID:	327261
Tank Number:	1
Tank Size:	25000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	327261
Operable Unit ID:	1063933
Operable Unit:	01
Material ID:	321444
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Units: G
Recovered: .00
Oxygenate: Not reported

UST:
Name: CONEY ISLAND HOUSES (SURFSIDE HOUSES)
Address: 3020 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Id/Status: 2-473901 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 584964.14765
UTM Y: 4491783.50429
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20863
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE, 5TH FLOOR
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2017-06-14

Site Id: 20863
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: 5TH FLOOR - TSD-FUEL OIL REMEDIATION
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: YELENA.TKACH@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2017-06-14

Site Id: 20863
Affiliation Type: Facility Operator
Company Name: CONEY ISLAND HOUSES (SURFSIDE HOUSES)
Contact Type: Not reported

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-14

Site Id:	20863
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2014-01-30

Tank Info:

Tank Number:	1
Tank ID:	66965
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	20000
Install Date:	09/01/2003
Date Tank Closed:	05/05/2017
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	06/14/2017

Equipment Records:

C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
F05 - Pipe External Protection - Jacketed

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double walled UG
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
B05 - Tank External Protection - Jacketed
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number: OLD 1
Tank ID: 37552
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 25000
Install Date: 01/01/1957
Date Tank Closed: 07/01/2002
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

AST:
Name: CONEY ISLAND HOUSES (SURFSIDE HOUSES)
Address: 3020 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-473901
Program Type: PBS
UTM X: 584964.14765
UTM Y: 4491783.50429
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20863
Affiliation Type: Facility Owner

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE, 5TH FLOOR
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-14

Site Id:	20863
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR - TSD-FUEL OIL REMEDIATION
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-14

Site Id:	20863
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND HOUSES (SURFSIDE HOUSES)
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-14

Site Id:	20863
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2014-01-30

Tank Info:

Tank Number:	T-1
Tank Id:	60323
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	C01 - Pipe Location - Aboveground
	I04 - Overfill - Product Level Gauge (A/G)
	H00 - Tank Leak Detection - None
	J02 - Dispenser - Suction Dispenser
	B00 - Tank External Protection - None
	F00 - Pipe External Protection - None
	G01 - Tank Secondary Containment - Diking (Aboveground)
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	I03 - Overfill - Automatic Shut-Off
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	03/01/2000
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	06/01/2002
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

SPILLS:

Name:	CONEY ISLAND HOUSES -NYCHA
Address:	3020 SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0210144 / 2015-06-01
Facility ID:	0210144
Facility Type:	ER
DER Facility ID:	263429
Site ID:	327260
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C5
SWIS:	2401

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Spill Date:	2003-01-08
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	2003-01-08
CID:	205
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-01-08
Spill Record Last Update:	2015-06-01
Spiller Name:	CALLER
Spiller Company:	CONEY ISLAND HOUSES
Spiller Address:	3020 SURF AVE
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BREEN 01/12/06: This spill transferred from Breen to S.Kraszewski. This site has only one TTF from 1998. Documentation on file mentions the need for a dewatering system but it is not said that GW was encountered during excavation. Therefore I must presume that the GW has been impacted but not quantified. One document contains analysis of wastewater from the dewatering system, no petroleum effluent detected. Site assessment performed on May 14, 2003 with J.Kolleeny attending the work. A total of 5 soil borings taken including one at the fill port. Tank had not been removed yet. Only one boring registered a PID reading, but very low - 5.9 No site assessment repor on file. Call NYCHA and ask about the report. Tank was replaced in Fall of 2003. - SK 01/27/06: This spill transferred from S.Kraszewaski to Q.Abidi. 03/31/06: This spill trasferred from Q. Abidi to Koon Tang. 6/11/09: JKann - Spill transfered to J.Kann. Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 6/10/10: J.Kann - comments sent on the work plan via email (edoced). Revised plan due 7/10/10. 12/30/14: J.Kann - multi site stip. SIR due 4/14/15 6/1/15: J.Kann - SIR submitted on 5/20/15. Soils collected and analyzed were below CP-51 RSCOs. Three monitoring wells were installed and minor VOC exceedences were noted in one well (less than 100 ppb total VOCs) A second round of sampling was performed in May 2015 with concentrations of less than 10 ppb total VOCs in the same well. The other wells were non detect. The site is located in Coney Island less than a block from the ocean. Based on the minimal impacts, the decrease in concentrations, the proximity to the ocean and the fact that the original tank from which the suspected leak occurred has been removed and replaced, the spill has been closed. NFA"
Remarks:	"pulling tank. encountered contaminated soil."

All Materials:

Site ID:	327260
Operable Unit ID:	863354
Operable Unit:	01
Material ID:	513541
Material Code:	0001A

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A51 **INTERSECTION 129TH ST AND MERMAID** **NY Spills** **S110044073**
SSW **INTERSECTION 129TH ST AND MERMAID** **N/A**
< 1/8 **BROOKLYN, NY**
0.016 mi.
85 ft. **Site 18 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	INTERSECTION 129TH ST AND MERMAID
Address:	INTERSECTION 129TH ST AND MERMAID
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0907964 / 2009-11-30
Facility ID:	0907964
Facility Type:	ER
DER Facility ID:	369561
Site ID:	420534
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2009-10-15
Investigator:	Con Ed Unassigned
Referred To:	Not reported
Reported to Dept:	2009-10-15
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-10-15
Spill Record Last Update:	2009-11-30
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"11/30/09 - See eDocs for Con Ed report detailing cleanup and closure. 1 gal of oil on 200 gal of water."
Remarks:	"unknown material on water. Sump involved. Clean up pending. ref # 218 829"

All Materials:

Site ID:	420534
Operable Unit ID:	1176487
Operable Unit:	01

INTERSECTION 129TH ST AND MERMAID (Continued) **S110044073**

Material ID:	2169178
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

A52 **MANHOLE 36339** **NY Spills** **S105236781**
SSW **MERMAID AVE & WEST 29TH S** **N/A**
< 1/8 **BROOKLYN, NY**
0.016 mi.
86 ft. **Site 19 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

SPILLS:

Name:	MANHOLE 36339
Address:	MERMAID AVE & WEST 29TH S
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0109426 / 2002-01-02
Facility ID:	0109426
Facility Type:	ER
DER Facility ID:	240771
Site ID:	297587
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-12-24
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2001-12-25
CID:	195
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-25
Spill Record Last Update:	2002-01-02
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	RICHARD ROACH
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY Con Ed e2mis #140688 Notes: 12-24-01 0910hrs 1 pint unknown oil on 700gal water in manhole 36339. One sample taken. 12-24-01 1633hrs LSN 00-12155-001 <1ppm PCB 12-25-01 1100hrs Cleanup completed. Double washed structure with bio-gen 760. No sump found. Liquids removed by tanker, solids by vactor. No leaking equipment."
Remarks:	"1 PINT OF OIL ON 700 GALLONS OF WATER IN MANHOLE. CONTAINED TO

MANHOLE 36339 (Continued) **S105236781**

MANHOLE. CON EDISON SPILL #140688. WORK CANNOT BE COMPLETED WITHIN 24 TIME PERIOD."

All Materials:

Site ID:	297587
Operable Unit ID:	846724
Operable Unit:	01
Material ID:	530633
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A53 **MANHOLE 71777** **NY Spills** **S105235591**
SSW **W 29TH ST & MERMAID AV** **N/A**
< 1/8 **BROOKLYN, NY**
0.016 mi.
86 ft. **Site 20 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	MANHOLE 71777
Address:	W 29TH ST & MERMAID AV
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0107446 / 2001-12-28
Facility ID:	0107446
Facility Type:	ER
DER Facility ID:	192978
Site ID:	234253
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-10-19
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	2001-10-20
CID:	365
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-10-20
Spill Record Last Update:	2001-12-31
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported

MANHOLE 71777 (Continued) **S105235591**

DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL e2mis notes: 1 qt unknown oil on approx 400 gals water. 1 liquid sample taken. 1905 hrs: lab results <1 ppm PCB. 10/20/01 1200 hrs: structure double washed. Sump was found sealed. Hole is making water fast. (JHO)"

Remarks: "1 QUART OF UNK OIL ON 400 GALLONS OF WATER - CLEAN UP PENDING REMOVAL OF A VEH THAT IS OVER THE MANHOLE - OWNERS OF VEH IN WESTCHESTER FOR THE WEEKEND - REF #139843"

All Materials:

Site ID:	234253
Operable Unit ID:	844518
Operable Unit:	01
Material ID:	532262
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

G54 **NYCDEP** **RCRA NonGen / NLR** **1014395503**
ESE **2927 W 27TH ST** **NJ MANIFEST** **NYP003664018**
< 1/8 **BROOKLYN, NY 11224** **NY MANIFEST**
0.017 mi.
89 ft. **Site 2 of 2 in cluster G**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20080523
Handler Name:	NYCDEP	
Handler Address:		2927 W 27TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP003664018
Contact Name:		JOANNE NURSE
Contact Address:		JUNCTION BLVD
Contact City,State,Zip:		FLUSHING, NY 11373
Contact Telephone:		718-595-4675
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		PAA
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		JUNCTION BLVD
Mailing City,State,Zip:		FLUSHING, NY 11373
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported

NYCDEP (Continued) **1014395503**

Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211027
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

NYCDEP (Continued) **1014395503**

Historic Generators:
- Receive Date: 20080523
- Handler Name: NYCDEP
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: NY
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: Not reported
- Recognized Trader Exporter: Not reported
- Spent Lead Acid Battery Importer: Not reported
- Spent Lead Acid Battery Exporter: Not reported
- Current Record: Yes
- Non Storage Recycler Activity: No
- Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
- NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

NJ MANIFEST:
- EPA Id: NYP003664018
- Mail Address: JUNCTION BLVD
- Mail City/State/Zip: FLUSHING, NY 11373
- Facility Phone: Not reported
- Emergency Phone: Not reported
- Contact: JOANNE NURSE
- Comments: Not reported
- SIC Code: Not reported
- County: NY047
- Municipal: Not reported
- Previous EPA Id: Not reported
- Gen Flag: Not reported
- Trans Flag: Not reported
- TSDF Flag: Not reported
- Name Change: Not reported
- Date Change: Not reported

Manifest:
- Manifest Number: 004072273JJK
- EPA ID: NYP003664018
- Date Shipped: 05/19/2008
- TSDF EPA ID: NJD980536593
- Transporter EPA ID: NYD064748304
- Transporter 2 EPA ID: NJD080631369
- Transporter 3 EPA ID: Not reported
- Transporter 4 EPA ID: Not reported
- Transporter 5 EPA ID: Not reported
- Transporter 6 EPA ID: Not reported
- Transporter 7 EPA ID: Not reported
- Transporter 8 EPA ID: Not reported

NYCDEP (Continued) **1014395503**

Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/19/2008
Date Trans2 Transported Waste:	05/23/2008
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/23/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	FLUSHING, NY 11373
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	5 P

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	10 P

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	15 P

Manifest Number:	004072274JJK
EPA ID:	NYP003664018
Date Shipped:	05/19/2008
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NYD064748304
Transporter 2 EPA ID:	NJD080631369
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

NYCDEP (Continued) **1014395503**

Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/19/2008
Date Trans2 Transported Waste:	05/23/2008
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/23/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	FLUSHING, NY 11373
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	10 P

NY MANIFEST:

Name:	NYC DEPT. OF ENVIRONMENTAL
Address:	2927 W 27TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP003664018
Facility Status:	Not reported
Location Address 1:	2927 WEST 27TH STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP003664018
Mailing Name:	NYC DEPT. OF ENVIRONMENTAL
Mailing Contact:	NYC DEPT. OF ENVIRONMENTAL

NYCDEP (Continued) **1014395503**

Mailing Address 1:	96-05 HORACE HARDING EXPRESSWAY 1ST
Mailing Address 2:	Not reported
Mailing City:	CORONA
Mailing State:	NY
Mailing Zip:	11368
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	6467630275

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NYD064748304
Trans2 State ID:	NJD080631369
Generator Ship Date:	05/19/2008
Trans1 Recv Date:	05/19/2008
Trans2 Recv Date:	05/23/2008
TSD Site Recv Date:	05/23/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP003664018
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD980536593
TSDF ID 2:	Not reported
Manifest Tracking Number:	004072273JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D002
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

J55 **NYCHA - CONEY ISLAND SITES 4 & 5** **RCRA-SQG** **1024892297**
SSW **3110 SURF AVE** **NYR000238964**
< 1/8 **BROOKLYN, NY 11224**
0.018 mi.
97 ft. **Site 7 of 8 in cluster J**

Relative: **Higher**
Actual: **4 ft.**

RCRA-SQG:

Date Form Received by Agency:		20181108
Handler Name:	NYCHA - CONEY ISLAND SITES 4 & 5	
Handler Address:		3110 SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000238964
Contact Name:		PETER WHITLEY
Contact Address:		SURF AVE
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		718-449-2936
Contact Fax:		Not reported
Contact Email:		PETERWHITLEY@NYCHA.NYC.GOV
Contact Title:		PROPERTY MAINTENANCE SUPERVISOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		SURF AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	ROBERT MALLAMO	
Owner Type:		Municipal
Operator Name:	PETER WHITLEY	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

NYCHA - CONEY ISLAND SITES 4 & 5 (Continued) **1024892297**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181108
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROBERT MALLAMO	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101
Owner/Operator Telephone:	718-702-5298
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERTMALLAMO@NYCHA.NYC.GOV

Owner/Operator Indicator:	Operator
Owner/Operator Name: PETER WHITLEY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3110 SURF AVE
Owner/Operator City,State,Zip:	BROOKLYN, NY 11224

NYCHA - CONEY ISLAND SITES 4 & 5 (Continued) **1024892297**

Owner/Operator Telephone: 718-449-2936
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: PETERWHITLEY@NYCHA.NYC.GOV

Historic Generators:
Receive Date: 20181108
Handler Name: NYCHA - CONEY ISLAND SITES 4 & 5
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 92511
NAICS Description: ADMINISTRATION OF HOUSING PROGRAMS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J56 **NYCHA - CONEY ISLAND SITE 1B** **RCRA-VSQG** **1024892310**
SSW **3110 SURF AVE** **NYR000239095**
< 1/8 **BROOKLYN, NY 11224**
0.018 mi.
97 ft. **Site 8 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

RCRA-VSQG:
Date Form Received by Agency: 20181101
Handler Name: NYCHA - CONEY ISLAND SITE 1B
Handler Address: 3110 SURF AVE
Handler City,State,Zip: BROOKLYN, NY 11224
EPA ID: NYR000239095
Contact Name: NYMIAH BRANCH
Contact Address: SURF AVE
Contact City,State,Zip: BROOKLYN, NY 11224
Contact Telephone: 718-372-4100
Contact Fax: Not reported
Contact Email: NYMIAHBRANCH@NYCHA.NYC.GOV
Contact Title: PROPERTY MAINTENANCE SUPERVISOR
EPA Region: 02
Land Type: Municipal
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

NYCHA - CONEY ISLAND SITE 1B (Continued) **1024892310**

State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		SURF AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	ROBERT MALLAMO	
Owner Type:		Municipal
Operator Name:	NYMIAH BRANCH	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20181113
Recognized Trader-Importer:		No

NYCHA - CONEY ISLAND SITE 1B (Continued) **1024892310**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYMIAH BRANCH	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3110 SURF AVE
Owner/Operator City,State,Zip:	BROOKLYN, NY 11224
Owner/Operator Telephone:	718-372-4100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROBERT MALLAMO	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	BRONX, NY 10473
Owner/Operator Telephone:	718-702-5298
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERTMALLAMO@NYCHA.NYC.GOV

Historic Generators:

Receive Date:	20181101
Handler Name:	NYCHA - CONEY ISLAND SITE 1B
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	92511
NAICS Description:	ADMINISTRATION OF HOUSING PROGRAMS

NYCHA - CONEY ISLAND SITE 1B (Continued) **1024892310**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F57 **IFO (SERVICE BOX #36343)** **NY Spills** **S113818435**
East **2715 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.019 mi.
101 ft. **Site 4 of 4 in cluster F**

Relative:
Lower

Actual:
1 ft.

SPILLS:

Name:	IFO (SERVICE BOX #36343)
Address:	2715 MERMAID AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1303323 / 2013-08-14
Facility ID:	1303323
Facility Type:	ER
DER Facility ID:	438990
Site ID:	483797
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2013-06-27
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2013-06-27
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2013-06-27
Spill Record Last Update:	2013-08-14
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"8/14/13 - Austin - 10 gals of unk. oil found atop 10 gals water in Con Ed vault - Con Ed contained and cleaned up the spill - See eDocs files for further information - Spill closed - end"
Remarks:	"cleanup pending"

All Materials:

Site ID:	483797
Operable Unit ID:	1233497
Operable Unit:	01
Material ID:	2232402

IFO (SERVICE BOX #36343) (Continued) **S113818435**

Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	25.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

I58 **LOT 54,TAXBLOCK 7051** **NY E DESIGNATION** **S109695597**
South **2919 SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.020 mi.
103 ft. **Site 9 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 54,TAXBLOCK 7051
Address:	2919 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Tax Lot(s):	54
Tax Block:	7051
Borough Code:	BK
E-No:	E-226
Effective Date:	5/22/2009
Satisfaction Date:	Not reported
Ceqr Number:	09HPD021K
Ulurp Number:	090250ZMK090250ZMK
Zoning Map No:	28d
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

A59 **CON EDISON - VAULT SUBMERSIBLE VS5234** **RCRA-LQG** **1024891581**
SSW **2900 MERMAID AVE** **NYP005124706**
< 1/8 **BROOKLYN, NY 11224**
0.020 mi.
108 ft. **Site 21 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

RCRA-LQG:

Date Form Received by Agency:	20180410
Handler Name:	CON EDISON - VAULT SUBMERSIBLE VS5234
Handler Address:	2900 MERMAID AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP005124706
Contact Name:	ALYSSA SOTTO
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	Not reported
Contact Email:	SOTTOA@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02

CON EDISON - VAULT SUBMERSIBLE VS5234 (Continued) **1024891581**

Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

CON EDISON - VAULT SUBMERSIBLE VS5234 (Continued) **1024891581**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20180102
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	212-460-2757
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20180102
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	212-460-2757
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180410
Handler Name:	CON EDISON - VAULT SUBMERSIBLE VS5234
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

CON EDISON - VAULT SUBMERSIBLE VS5234 (Continued) **1024891581**

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A60 **LOT 4,TAXBLOCK 7064** **NY E DESIGNATION** **S109942552**
SSW **2900 MERMAID AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.020 mi.
108 ft. **Site 22 of 24 in cluster A**

Relative: Higher
Actual: 3 ft.

E DESIGNATION:
Name: LOT 4,TAXBLOCK 7064
Address: 2900 MERMAID AVENUE
City,State,Zip: BROOKLYN, NY 11224
Tax Lot(s): 4
Tax Block: 7064
Borough Code: BK
E-No: E-229
Effective Date: 7/29/2009
Satisfaction Date: Not reported
Ceqr Number: 08DME007K
Ulurp Number: 090272ZMK090272ZMK
Zoning Map No: 28d

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

A61 **VAULT ZS5234** **NY Spills** **S119028671**
SSW **2900 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.020 mi.
108 ft. **Site 23 of 24 in cluster A**

Relative: Higher
Actual: 3 ft.

SPILLS:
Name: VAULT ZS5234
Address: 2900 MERMAID AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 1608681 / 2017-10-03
Facility ID: 1608681
Facility Type: ER
DER Facility ID: 491292
Site ID: 537411
DEC Region: 2
Spill Cause: Equipment Failure
Spill Class: D4

VAULT ZS5234 (Continued) **S119028671**

SWIS:	2401
Spill Date:	2016-12-11
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2016-12-11
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Transformer
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2016-12-11
Spill Record Last Update:	2017-10-03
Spiller Name:	TIM REAGAN
Spiller Company:	CON ED
Spiller Address:	2900 MERMAID AVE
Spiller Company:	999
Contact Name:	TIM REAGAN
DEC Memo:	"10/3/17 - Austin - While conducting a transformer replacement, Con Ed found 5 oz oil atop 500 gals water in vault - Con Ed removed the transformer and contained and cleaned up the spill; no oil seen after cleaning - See document files for further information - Spill closed - end"
Remarks:	"Vault makes water. Spill to the water. Clean up pending."

All Materials:

Site ID:	537411
Operable Unit ID:	1286047
Operable Unit:	01
Material ID:	2291631
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.25
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

A62 **CON EDISON** **NY MANIFEST** **S121968511**
SSW **2900 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.020 mi.
108 ft. **Site 24 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	2900 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP005124706
Facility Status:	Not reported
Location Address 1:	2900 MERMAID AVE

CON EDISON (Continued) **S121968511**

Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP005124706
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

D63 **CON EDISON - MH 71778** **RCRA NonGen / NLR** **1008195620**
South **W. 29TH ST. & SURF AVE.** **NY MANIFEST** **NYP004110649**
< 1/8 **BROOKLYN, NY 11234**
0.021 mi.
110 ft. **Site 4 of 13 in cluster D**

Relative: **Higher**
Actual: **4 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20040227
Handler Name:	CON EDISON - MH 71778	
Handler Address:		W. 29TH ST. & SURF AVE.
Handler City,State,Zip:		BROOKLYN, NY 11234
EPA ID:		NYP004110649
Contact Name:		ANTHONY DRUMMINGS
Contact Address:		4 IRVING PLACE
Contact City,State,Zip:		NEW YORK, NY 10003
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		4 IRVING PLACE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.	
Owner Type:		Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No

CON EDISON - MH 71778 (Continued) **1008195620**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years

Year:	2003

CON EDISON - MH 71778 (Continued) **1008195620**

Click Here for Biennial Reporting System Data:

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030504
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030504
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030504
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030504
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20040225
Handler Name: CON EDISON - MH 71778
Federal Waste Generator Description: Large Quantity Generator

CON EDISON - MH 71778 (Continued) **1008195620**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040226
Handler Name: CON EDISON - MH 71778
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040227
Handler Name: CON EDISON - MH 71778
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CONSOLIDATED EDISON
Address: W. 29TH ST. & SURF AVE.
City,State,Zip: BROOKLYN, NY 11234
Country: USA
EPA ID: NYP004110649
Facility Status: Not reported
Location Address 1: MH71776-W 29TH ST & SURF AVE

CON EDISON - MH 71778 (Continued) **1008195620**

Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004110649
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address 1: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124602808

D64 **CON EDISON MANHOLE: 74433** **RCRA NonGen / NLR** **1016149329**
South **W 29TH ST & SURF AVE** **NY MANIFEST** **NYP004279923**
< 1/8 **BROOKLYN, NY 11229**
0.023 mi.
119 ft. **Site 5 of 13 in cluster D**

Relative: **Higher**
Actual: **4 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20170728
Handler Name: CON EDISON MANHOLE: 74433
Handler Address: W 29TH ST & SURF AVE
Handler City,State,Zip: BROOKLYN, NY 11229
EPA ID: NYP004279923
Contact Name: T'ARRI SOWELL
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: 718-666-4506
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: OPERATING SUPERVISOR
EPA Region: 02
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: NY
State District: NYSDEC R2
Mailing Address: IRVING PL, RM 828
Mailing City,State,Zip: NEW YORK, NY 10003
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No

CON EDISON MANHOLE: 74433 (Continued) **1016149329**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171128
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20121207

CON EDISON MANHOLE: 74433 (Continued) **1016149329**

Handler Name: CON EDISON MANHOLE: 74433
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20170728
Handler Name: CON EDISON MANHOLE: 74433
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: W 29TH ST & SURF AVE
City,State,Zip: BROOKLYN, NY 11229
Country: USA
EPA ID: NYP004279923
Facility Status: Not reported
Location Address 1: 3017 W 29TH ST
Code: BP
Location Address 2: MH # 74433
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004279923
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL 15TH FL

CON EDISON MANHOLE: 74433 (Continued) **1016149329**

Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	12/07/2012
Trans1 Recv Date:	12/07/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/10/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004279923
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001675184GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

B65 **2730 SURF AVE** **NY Spills** **S112807128**
SSE **2730 SURF AVE** **N/A**
< 1/8 **CONEY ISLAND, NY 11224**
0.023 mi.
122 ft. **Site 4 of 5 in cluster B**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	2730 SURF AVE
Address:	2730 SURF AVE
City,State,Zip:	CONEY ISLAND, NY 11224
Spill Number/Closed Date:	1211889 / 2013-03-27
Facility ID:	1211889
Facility Type:	ER
DER Facility ID:	430308
Site ID:	475030
DEC Region:	2
Spill Cause:	Storm
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2012-10-29
Investigator:	Hurricane Sandy R2
Referred To:	Not reported
Reported to Dept:	2012-11-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	Not reported
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	Not reported
Remediation Phase:	Not reported
Date Entered In Computer:	2012-11-20
Spill Record Last Update:	2012-11-20
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	Not reported
DEC Memo:	"This spill report was created for tracking purposes related to the Department’s Hurricane Sandy emergency response efforts. pumped out 11/12/2012 by JRG Transport. 956 gallons removed. Bob Uasis"
Remarks:	""

All Materials:

Site ID:	475030
Operable Unit ID:	1224868
Operable Unit:	01
Material ID:	2228858
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	956.00
Oxygenate:	Not reported

B66 **2730 SURF AVE** **NY SPILLS 90** **S112394624**
SSE **2730 SURF AVE** **N/A**
< 1/8 **CONEY ISLAND, NY 11224**
0.023 mi.
122 ft. **Site 5 of 5 in cluster B**

Relative:
Higher

Actual:
3 ft.

Spills:

Status:	ACTIVE
Contact Name:	Not reported
Contact Phone:	Not reported
Site ID:	1211889
Secondary ID:	475030
Cross Street:	Not reported
County:	KINGS
Longitude:	0
Latitude:	0
Elevation:	Not reported

C67 **SURF PLAYGROUND** **NY UST** **U004341957**
SE **2501 SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.026 mi.
135 ft. **Site 3 of 4 in cluster C**

Relative:
Higher

Actual:
3 ft.

UST:

Name:	SURF PLAYGROUND
Address:	2501 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-613252 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	Not reported
UTM Y:	Not reported
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	619780
Affiliation Type:	Facility Owner
Company Name:	NYC DEPARTMENT OF PARKS & RECREATION
Contact Type:	DEP. CHIEF
Contact Name:	BRIAN AUCOIN
Address1:	830 FIFTH AVE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 400-8916
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2021-11-16

Site Id:	619780
Affiliation Type:	Facility Operator
Company Name:	SURF PLAYGROUND
Contact Type:	Not reported
Contact Name:	NYC PARKS & RECREATION

SURF PLAYGROUND (Continued) **U004341957**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2021-06-04

Site Id:	619780
Affiliation Type:	Emergency Contact
Company Name:	NYC DEPARTMENT OF PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	BRIAN AUCOIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 410-8916
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2021-11-16

Site Id:	619780
Affiliation Type:	Mail Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	BRIAN AUCOIN
Address1:	20 BRONX SHORE RD.
Address2:	RANDALLS ISLAND
City:	NEW YORK
State:	NY
Zip Code:	10035
Country Code:	001
Phone:	(212) 410-8916
EMail:	BRIAN.AUCOIN@PARKS.NYC.GOV
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2021-11-16

Tank Info:

Tank Number:	001
Tank ID:	290084
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	06/02/1971
Date Tank Closed:	08/27/2021
Registered:	True
Tank Location:	Underground

SURF PLAYGROUND (Continued) **U004341957**

Tank Type: Steel/carbon steel
Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXLIU
Last Modified: 11/16/2021

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None

C68 **NYC PARKS** **NY Spills** **S127585384**
SE **2501 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.026 mi.
135 ft. **Site 4 of 4 in cluster C**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name: NYC PARKS
Address: 2501 SURF AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 2102270 / 2021-09-08
Facility ID: 2102270
Facility Type: ER
DER Facility ID: 567545
Site ID: 620012
DEC Region: 2
Spill Cause: Equipment Failure
Spill Class: D4
SWIS: 2401
Spill Date: 2021-06-09
Investigator: RMPIPER
Referred To: Not reported
Reported to Dept: 2021-06-09
CID: Not reported
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Tank Tester
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: Not reported
Remediation Phase: 0
Date Entered In Computer: 2021-06-09
Spill Record Last Update: 2021-09-08
Spiller Name: Not reported

NYC PARKS (Continued) **S127585384**

Spiller Company: NYC Parks
Spiller Address: 2501 Surf Ave
Spiller Company: 999
Contact Name: DENNIS MEYER
DEC Memo: "Assigned to DEC Piper. Samples to be received in 1 week. DEC Piper received and reviewed closure package. Tank was pumped out and removed. soil was over excavated. Endpoints revealed minor hits for VOCs and SVOCs. Based on work to date ,this spill is closed. See report in DEC Docs if warranted."
Remarks: "420 gal of product removed. Upon inspection after cleaning, holes found in bottom of tank. Unk amount lost to soil. 2 Endpoint samples collected."

All Materials:
Site ID: 620012
Operable Unit ID: 1367193
Operable Unit: 01
Material ID: 2379940
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

D69 **CON EDISON - MANHOLE 74433** **RCRA-LQG 1016149966**
South **3028 W 29TH ST** **NY MANIFEST NYP004286340**
< 1/8 **BROOKLYN, NY 11224**
0.027 mi.
144 ft. **Site 6 of 13 in cluster D**

Relative: **Higher**
Actual: **3 ft.**

RCRA-LQG:
Date Form Received by Agency: 20140327
Handler Name: CON EDISON - MANHOLE 74433
Handler Address: 3028 W 29TH ST
Handler City,State,Zip: BROOKLYN, NY 11224
EPA ID: NYP004286340
Contact Name: DENNIS HUACON
Contact Address: IRVING PL 15TH FL NE
Contact City,State,Zip: NEW YORK, NY 10003
Contact Telephone: 212-460-2757
Contact Fax: 518-473-8034
Contact Email: HUACOND@CONED.COM
Contact Title: ASSOCIATE SCIENTIST
EPA Region: 02
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2013
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: NY
State District: NYSDEC R2
Mailing Address: IRVING PL 15TH FL NE
Mailing City,State,Zip: NEW YORK, NY 10003

CON EDISON - MANHOLE 74433 (Continued) **1016149966**

Owner Name:	CONSOLIDATED EDISON CO OF NY INC
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON CO OF NY INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported

CON EDISON - MANHOLE 74433 (Continued) **1016149966**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON CO OF NY INC
Legal Status: Private
Date Became Current: 20130130
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PL
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON CO OF NY INC
Legal Status: Private
Date Became Current: 20130130
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PL
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 74433
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130130
Handler Name: CON EDISON MANHOLE: 74433
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY

CON EDISON - MANHOLE 74433 (Continued) **1016149966**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	3028 W 29TH ST & SURF AVE FRON
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004286340
Facility Status:	Not reported
Location Address 1:	F/O 3028 W 29TH ST & SURF AVE
Code:	BP
Location Address 2:	MH 74433
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004286340
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047

CON EDISON - MANHOLE 74433 (Continued) **1016149966**

Trans2 State ID:	Not reported
Generator Ship Date:	01/30/2013
Trans1 Recv Date:	01/30/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/30/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004286340
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001675274GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2000
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

D70 **CON EDISON - MANHOLE 74433** **RCRA-LQG** **1016959842**
South **3028 WEST 29TH ST** **NY MANIFEST** **NYP004286563**
< 1/8 **BROOKLYN, NY 11224**
0.027 mi.
144 ft. **Site 7 of 13 in cluster D**

Relative: RCRA-LQG:
Higher

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 74433
Handler Address:	3028 WEST 29TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004286563
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE

Actual:
3 ft.

CON EDISON - MANHOLE 74433 (Continued) **1016959842**

Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

CON EDISON - MANHOLE 74433 (Continued) **1016959842**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130131
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130131
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:
Receive Date: 20140327

CON EDISON - MANHOLE 74433 (Continued) **1016959842**

Handler Name: CON EDISON - MANHOLE 74433
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: 3028 WEST 29TH ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004286563
Facility Status: Not reported
Location Address 1: FO 3028 W 29TH ST & SURFACE
Code: BP
Location Address 2: MH 74433
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004286563
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL 15TH FL
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported

CON EDISON - MANHOLE 74433 (Continued) **1016959842**

seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	01/31/2013
Trans1 Recv Date:	01/31/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/31/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004286563
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002016004GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

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71 **TRANSFORMER 4364** **NY Spills** **S106003688**
SSW **WEST 31ST ST/SURF AND MUR** **N/A**
< 1/8 **BROOKLYN, NY**
0.028 mi.
148 ft.

Relative: SPILLS:
Higher

Actual: Name:	TRANSFORMER 4364
3 ft. Address:	WEST 31ST ST/SURF AND MUR
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0201745 / 2002-06-07

TRANSFORMER 4364 (Continued) **S106003688**

Facility ID:	0201745
Facility Type:	ER
DER Facility ID:	138426
Site ID:	164168
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	2401
Spill Date:	2002-05-17
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2002-05-17
CID:	396
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-05-17
Spill Record Last Update:	2002-09-18
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	KEVIN MCARDLE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY DEC Inspector Notes: W 31st St between Surf and Mermaid Aves., Coney Island. Ron James notified Foley of transformer fire which went to two cars and a tree. Foley responded. ERTs David Duke and Mike Daughtrey on site. White hat is Nick Caputo, section manager for B/Q Emergency Dept. DEP Stanley Baldwin and Elie St. Jean also on site. Electric Ops EH&S Ron James, Steve Stathis, Tino Feranandez and Keith Barouch. Upon arrival, Con Edison was in the process of double washing the street and two affected cars. Con Ed removed 65gal oily water from street and dried with speedy-dry. Two cars were wrapped and taken to Astoria by Apple Towing. Overhead Dept. cut down tree and put the debris on the contaminated grass area until dumpster was delivered. No oil was found on building. Approx 1 oz. oil got into catch basin due to the FDNY unable to shut off hydrant. DEP responded to shut off hydrant. Con Ed will continue cleanup through the night. To drain and remove transformer tonight and replace tomorrow. Con Ed e2mis #142844: 5-17-2002 08:30HRS K. NEWLAND (#9) REPORTS, ONE GALLON OF TRANSFORMER OIL SPRAYED OUT INTO ST, AND ONE GALLON OF TRANSFORMER OIL WITH APPROX 80 GALLONS OF WATER IN STRUCTURE. THERE WAS FIRE AND SMOKE INVOLVED BUT IS NOW CONTAINED. THE ONLY PRIVATE PROPERTY INVOLVED WAS TWO CARS IST CAR WITH PLATE# IS FR897E, AND 2ND PLATE# IS AHX2410 AND THAT BELONGS TO A MR. PORTALATIN. ALSO SMALL 4X2 PATCH OF GRASS. AT THIS TIME SPILL SEEMS TO BE CONTAINED AND NO SEWERS OR WATERWAYS WERE AFFECTED. POLICE AND FIRE DEPT ON LOCATION. POLICE LT. AURELIA AND CHEIF FOX OF FIRE DEPT. NO INJURIES WERE RELATED TO SPILL AND NO WEATHER CONDITIONS CONTRIBUTED TO HAZARD OF SPILL. HISTORICAL RECORDS INDICATE 10 PPM. OIL WAS DISCOVERED WHEN #9 WAS DISPATCHED TO LOCATION FOR 7B54 OUTAGE. ENV STOP TAG# 07302 WAS PLACED. THE

TRANSFORMER 4364 (Continued) **S106003688**

STANDING WATER IN STRUCTURE HAS NO MOVEMENT AND NO SEWER CONNECTION NOTICED. ALSO CAN NOT VERIFY IF SUMP IS PRESENT. ALSO AT THIS TIME, SAMPLE CAN NOT BE TAKEN UNTILL JOB IS MADE SAFE. ENV OPS CREW WAS SENT TO LOCATION AND WILL BE CLEANING AS A 50-499. S. STATHIS ON LOCATION AT 08:20HRS. 0920HRS P. COONEY REPORTS THAT FEILD SUPERVISOR TOLD HIM THAT ONE OUNCE OF THE ONE GALLON THAT SPRAYED ONTO STREET WENT INTO CATCH BASIN. S.PACE 49874. 09:20HRS TWO CATCH BASINS WERE DAMMED BUT BECAUSE OF DEFECTIVE FIRE DEPT EQUIPMENT WATER OVERCAME BOTH CATCH BASINS. 09:22HRS CIG WAS NOTIFIED. 09:30HRS R. JAMES GOING TO LOCATION. 09:40HRS S. STATHIS REPORTS, DEP ARRIVED ON LOCATION AND TURNED OFF FIRE PUMP. ALSO N. CAPUTO EMERGENCY MANAGER ARRIVED ON LOCATION. 09:45HRS S. STATHIS REPORTS, E.R.T ARRIVED ON LOCATION. 09:50HRS K. NEWLAND (#9) REPORTS, SAMPLE WAS TAKEN FROM VS4364. 10:15HRS EPA# NYP 004 098 448. 10:20HRS ENG RECORDS INDICATE THERE IS A SOIL DRAIN IN VS 4364. 10:25HRS S. STATHIS REPORTS, DEP (KEITH WILLIAMS) OF INDUSTRIAL DEPT ON LOCATION AND HIS PHONE NUMBER IS 595-4718. HIS SUPERVISOR NAME IS COSMO ZINGNROPOLI FAX NUMBER IS (718) 595-4771). 10:30HRS R. JAMES REPORTS, AT 10:15HRS R. JAMES CALLED N.Y.STATE D.E.C REP, KERRY FOLEY AND INFORMED HER OF TRANSFORMER FIRE AND SPILL. ALSO AT THE REQUEST OF D.E.P, WE WILL BE INSPECTING THE UPPER FLOORS OF THE AFFECTED BUILDING. 10:35HRS OVER 50 TANKER WAS ORDERED AND WILL HEADING TO LOCATION. UPDATE 5/17/02 11:30 HRS. -- E. WILLIAMS, O.S. BROOKLYN ENV. OPS, REPORTS D.E.P. REQUESTED WE TAKE WATER SAMPLES FROM CATCH BASINS AT EITHER END OF STREET: N/W/C W.31 ST & SURF AVE -AND- N/W/C W.31 ST & MERMAID AVE. SAMPLES WILL BE DELIVERED TO CHEM LAB FOR PCB TESTING UNDER SAME CHAIN OF CUSTODY FORM (#AA-07575) AS THE SAMPLE ALREADY TAKEN FROM VS-4364. UPDATE : 17-MAY-2002 11:45 HRS. EH&S ENVIR. SPECIALIST R.JAMES EMP# 50683 REPORTS: DEP HAZMAT INSPECTOR S.BALDWIN ENTERED BUILDING 2960 W.31 STREET, INSPECTED H BANK APARTMENT'S (WINDOWS & SILLS) ON FLOORS 8,7,6 & 4 FOR SIGNS OF OIL . NO OIL FOUND. AT 11:20 HRS. DEC INSPECTOR KERRY FOLEY ARRIVED ON LOCATION. WAS BRIEFED ON INCIDENT, SHOWN SPILL AREA AND TOLD OF CLEANUP PLANS. UPDATE : 17-MAY-2002 13:35 HRS. EH&S ENVIR. SPECIALIST R.JAMES EMP# 50683 REPORTS: THE OWNER OF NYS PLATE# BBK2927 RAMON CORDERO 2960 W.31 STREET APT# 2-D, REQUESTED HIS VEHICLE BE INSPECTED FOR OIL CONTAMINATION. AFTER THOROUGH INSPECTION OF VEHICLE R.JAMES REPORTS: NO EVIDENCE OF OIL CONTAMINATION FOUND ON VEHICLE. UPDATRE: 5/17/02 - 1500 R. JAMES - PROJECTS SPEC, REPORTS TANKER REMOVED 65 GALS OF WATER MIXED WITH A SMALL AMOUNT OF OIL FROM THE STREET. MR. JAMES INFORMED ASSISTANT HOUSING MGR HUGGINS THAT THE AFFECTED TREE WOULD BE REMOVED & REPLACED AND THE GRASS FROM THE LAWN WOULD ALSO BE REMOVED & REPLACED. MS. HUGGINS WAS GIVEN THE PHONE NUMBER OF JIM DOWLING OF CLAIMS. UPDATE : 17-MAY-2002 16:15 HRS. EH&S ENVIR. SPECIALIST R.JAMES EMP# 50683 REPORTS: DEP HAZMAT INSPECTOR S.BALDWIN & DEC INSPECTOR KERRY FOLEY LEAVE LOCATION AT THIS TIME. LAB RESULT OF SAMPLE TAKEN FROM VAULT RECEIVED 5/17/02 - 1637 HRS. 02-04444. <1.0 PPM. UPDATE: 17-MAY-2002 17:30 HRS. EH&S SPECIALIST R.JAMES REPORTS: RUBEN SANTANA OWNER OF VEHICLE NYS PLATE# FR897E WAS GIVEN A CLAIMS CARD TO CALL J.DOWLING. HE WOULD ALSO LIKE TO HAVE THE PLATES TO HIS CAR RETURNED TO HIM. R.JAMES WILL CALL TRANSPORTATION TO FACILITATE THAT. UPDATE: 5/17/02 - 1755 M. DAUGHERTY - ERT, REPORTS A MR. HOLLOWAY (718-714-4240), THE OWNER OF A 1989 WHITE HONDA ACCORD LXI HAS DECIDED TO CLEAN HIS CAR AT HIS OWN EXPENSE. HE WAS TOLD THAT, IF HE CHOOSES TO, HE CAN PUT A CLAIM INTO CON EDISON. UPDATE: 5/17/02 - 1820 K. BAROUCH - ENV MGR, REPORTS THAT MR. HOLLOWAY (OWNER OF THE WHITE HONDA ACCORD) RETURNED TO THE CLEAN UP SITE. ENV.

TRANSFORMER 4364 (Continued) **S106003688**

OPS. INSPECTED HIS VEHICLE AND DECIDED TO WIPE IT DOWN WITH A CLEANER. MR. BARUCH & RON JAMES ARE NOW LEAVING THE SITE. STEVE STATHIS REMAINS. LAB RESULTS OF BOTH CATCH BASINS (S/W/C MERMAID AVE & W.31 ST AND N/W/C SURF AVE & W.31 ST) RECEIVED 5/17/02 - 1931. BOTH RESULTS <1.0 PPM. Update - 5/17/02 2015hrs S. Stathis removed from the street 65 gallons of water. Removed 665 gallons of oil/water mix from structure and 230 gallon oil from unit. The dumpster will be picked up at 7am. Found cement sump in structure. Partial clean up of structure is completed . 3-11 crew is doing catch basin, lawn and fence. Will be leaving location at this time. 5/17/02-2340HRS O.S. HOWELL REPORTS REMOVED SLUDGE FROM 2-STORM DRAINS S/W/C & N/W/C OF W31 ST.NO OIL FOUND. UPDATE - 18-MAY-2002 13:40 HRS. ENVIR. FLUSH DEPT. MECH-A K.QUEST EMP# 55475 REPORTS: AN > 50 TANKER REMOVE APPROX. 500 GAL'S OF WASH WATER/OIL FROM STRUCTURE. ALL SOLID DEBRIS REMOVED BY VACTOR. DBL WASHED STRUCTURE WITH BIO-GEN 760. SUMP WAS FOUND CEMENTED. ENVIR.TAG# 07302 REMOVED. CLEANUP COMPLETE 100% UPDATE - 19-MAY-2002 18:49 PER FDR REP H.BROWN UNIT WAS REMOVED ON 5/18. UPDATE - 5/22/02 @ 0850 HRS. -- Bob: Please have someone include in the E2mis: The capacity indicated on the transformer was 339 gallons. Subtracting the 230 removed from the transformer would show 109 gallons missing; however, looking into the transformer through the hole in the top, it was evident that most of the oil was still in the transformer. The label had to be incorrect."

Remarks: "transformer fire/explosion spill on to the groudn and cars. crew on site. no con ed # yet...nrc has been notified there # 604736."

All Materials:

Site ID:	164168
Operable Unit ID:	854885
Operable Unit:	01
Material ID:	523159
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

I72 **CON EDISON - MANHOLE M42333** **RCRA-LQG** **1024891266**
South **2913 SURF AVE** **NYP005091301**
< 1/8 **BROOKLYN, NY 11224**
0.028 mi.
149 ft. **Site 10 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

RCRA-LQG:

Date Form Received by Agency:	20180410
Handler Name:	CON EDISON - MANHOLE M42333
Handler Address:	2913 SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP005091301
Contact Name:	ALYSSA SOTTO
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	Not reported

CON EDISON - MANHOLE M42333 (Continued) **1024891266**

Contact Email:	SOTTOA@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

CON EDISON - MANHOLE M42333 (Continued) **1024891266**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20170602
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: 212-460-2757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20170602
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: 212-460-2757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180410
Handler Name: CON EDISON - MANHOLE M42333
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY

CON EDISON - MANHOLE M42333 (Continued) **1024891266**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I73 **CON EDISON - MANHOLE M42333** **NY MANIFEST** **S121968187**
South **2913 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.028 mi.
149 ft. **Site 11 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON - MANHOLE M42333
Address:	2913 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP005091301
Facility Status:	Not reported
Location Address 1:	2913 SURF AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP005091301
Mailing Name:	CON EDISON - MANHOLE M42333
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

L74 **RITTE AID 4257** **PA MANIFEST** **S118070732**
WSW **3001-27 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.032 mi.
168 ft. **Site 1 of 3 in cluster L**

Relative: **Higher**

Actual: **4 ft.**

Manifest Details:

Year:	2014
Manifest Number:	007272124FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYR000186262
Generator Date:	09/03/2014
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D010
Container Number:	1
Container Type:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	1
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

Year:	2014
Manifest Number:	007272124FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYR000186262
Generator Date:	09/03/2014
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D002
Container Number:	1
Container Type:	Burlap, cloth, paper or plastic bags
Waste Quantity:	6
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592

RITTE AID 4257 (Continued) **S118070732**

Date TSP Sig:	Not reported
Year:	2014
Manifest Number:	007272124FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYR000186262
Generator Date:	09/03/2014
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D007
Container Number:	1
Container Type:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	1
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported
Year:	2014
Manifest Number:	007272124FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYR000186262
Generator Date:	09/03/2014
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	P001
Container Number:	1
Container Type:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	1
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

L75
WSW
< 1/8
0.032 mi.
168 ft.

RITE AID #04257
3001-27 MERMAID AVE
BROOKLYN, NY 11224

Site 2 of 3 in cluster L

RCRA-VSQG **1014926838**
NYR000186262

Relative:
Higher

Actual:
4 ft.

RCRA-VSQG:

Date Form Received by Agency:	20190417
Handler Name:	RITE AID #04257
Handler Address:	3001-27 MERMAID AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYR000186262
Contact Name:	JOSEPH A CHEST
Contact Address:	HUNTER LN
Contact City,State,Zip:	CAMP HILL, PA 17011
Contact Telephone:	717-975-8643
Contact Fax:	717-972-3989
Contact Email:	EHS@RITEAID.COM
Contact Title:	MANAGER, ENVIRONMENTAL HEALTH SERVICES
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	HUNTER LN
Mailing City,State,Zip:	CAMP HILL, PA 17011
Owner Name:	MERMAID PLAZA ASSOCIATES, INC.
Owner Type:	Private
Operator Name:	RITE AID OF NEW YORK, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

RITE AID #04257 (Continued) **1014926838**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200302
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011

RITE AID #04257 (Continued) **1014926838**

Waste Description: SILVER

Waste Code: D013
Waste Description: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D018
Waste Description: BENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D026
Waste Description: CRESOL

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U035
Waste Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U072
Waste Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

RITE AID #04257 (Continued) **1014926838**

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U201
Waste Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Waste Code: U211
Waste Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Waste Code: U240
Waste Description: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Waste Code: U279
Waste Description: U279

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MERMAID PLAZA ASSOCIATES INC
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 19 W 34TH ST STE 918
Owner/Operator City,State,Zip: NEW YORK, NY, NY 10001
Owner/Operator Telephone: 212-695-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID CORP
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RITE AID OF NEW YORK INC
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011

RITE AID #04257 (Continued) **1014926838**

Owner/Operator Telephone: 717-761-2633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID CORP
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MERMAID PLAZA ASSOCIATES, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 19 W 34TH STREET, STE 918
Owner/Operator City,State,Zip: NEW YORK, NY 10001
Owner/Operator Telephone: 212-695-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID OF NEW YORK, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RITE AID CORP
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011
Owner/Operator Telephone: 717-761-2633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID OF NEW YORK, INC.
Legal Status: Private
Date Became Current: 19960525

RITE AID #04257 (Continued) **1014926838**

Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID OF NEW YORK, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011
Owner/Operator Telephone: 717-761-2633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 717-972-3989
Owner/Operator Email: EHS@RITEAID.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: MERMAID PLAZA ASSOCIATES, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 19 W 34TH STREET
Owner/Operator City,State,Zip: NEW YORK, NY 10001
Owner/Operator Telephone: 212-695-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MERMAID PLAZA ASSOCIATES, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 19 W 34TH STREET
Owner/Operator City,State,Zip: NEW YORK, NY 10001
Owner/Operator Telephone: 212-695-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID OF NEW YORK INC
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

RITE AID #04257 (Continued) **1014926838**

Historic Generators:

Receive Date:	20160211
Handler Name: RITE AID # 4257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20160212
Handler Name: RITE AID #04257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20111104
Handler Name: RITE AID #4257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130510
Handler Name: RITE AID #4257	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20151120
Handler Name: RITE AID #4257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY

RITE AID #04257 (Continued) **1014926838**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20190417
Handler Name: RITE AID #04257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	44611
NAICS Description:	PHARMACIES AND DRUG STORES

NAICS Code:	446110
NAICS Description:	PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

L76 **RITE AID #4257** **NY MANIFEST** **S119079130**
WSW **3001-27 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.032 mi.
168 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:

Name:	RITE AID #4257
Address:	3001-27 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000186262
Facility Status:	Not reported
Location Address 1:	3001-27 MERMAID AVENUE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224

RITE AID #4257 (Continued) **S119079130**

Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000186262
Mailing Name: RITE AID #4257
Mailing Contact: RITE AID
Mailing Address 1: 3001-27 MERMAID AVE
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11224
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7183732818

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: CTD983872698
Trans2 State ID: NJD054126164
Generator Ship Date: 12/23/2013
Trans1 Recv Date: 12/23/2013
Trans2 Recv Date: 12/30/2013
TSD Site Recv Date: 01/08/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000186262
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: INR000110197
TSDF ID 2: Not reported
Manifest Tracking Number: 006299738FLE
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N
Discr Full Reject Indicator: N
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: H141
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 5
Units: P - Pounds
Number of Containers: 1
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: L Landfill.
Specific Gravity: 1

RITE AID #4257 (Continued) **S119079130**

Waste Code:	D024
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

M77 **VAULT 3996** **NY Spills** **S104788440**
SE **SURF AVENUE AT 25TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.035 mi.
185 ft. **Site 1 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	VAULT 3996
Address:	SURF AVENUE AT 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0005820 / 2002-02-13
Facility ID:	0005820
Facility Type:	ER
DER Facility ID:	88360
Site ID:	99443
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2000-08-15
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	2000-08-15
CID:	204
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-08-15
Spill Record Last Update:	2002-02-13
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	TONY LOPEZ
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL "
Remarks:	"1 GALLON ON 200 GALLONS WATER "

All Materials:

Site ID:	99443
Operable Unit ID:	826796
Operable Unit:	01
Material ID:	546963
Material Code:	0066A

VAULT 3996 (Continued) **S104788440**

Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

N78 **MANHOLE 71777** **NY Spills** **S106007990**
South **WEST 29TH STREET+MERMAID** **N/A**
< 1/8 **BROOKLYN, NY**
0.035 mi.
185 ft. **Site 1 of 2 in cluster N**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	MANHOLE 71777
Address:	WEST 29TH STREET+MERMAID
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0206813 / 2003-01-28
Facility ID:	0206813
Facility Type:	ER
DER Facility ID:	79674
Site ID:	86912
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	2002-10-01
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	2002-10-01
CID:	282
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-10-01
Spill Record Last Update:	2003-01-28
Spiller Name:	SAME
Spiller Company:	UNKNOWN FOR NOW
Spiller Address:	SAME
Spiller Company:	001
Contact Name:	CHARLIE MCCARTHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL e2mis no. 145-332: 01-OCT-2002 02:35 HRS. B/Q EQUIPMENT GROUP. SPLICER V.DINEEN EMP# 41974 REPORTS: WHILE ON LOCATION TO PRESSURE TEST VS5993 (100' SOUTH) FOUND IN LINE THE HOLE M71777 A UNDIAPERABLE SHEEN ON APPROX. 1000 GAL'S OF WATER. SPILL IS CONTAINED. NO SEWERS OR WATER WAYS APPEAR TO BE AFFECTED. THERE IS NOT NOW NOR WAS THERE PRIOR FIRE INVOLVEMENT. THERE IS NOT NOW NOR WAS THERE PRIOR SMOKE INVOLVEMENT. THERE WERE NO INJURIES RELATED TO THIS INCIDENT. THERE ARE NO INCLEMENT WEATHER CONDITIONS OR HAZARD

MANHOLE 71777 (Continued) **S106007990**

THAT CONTRIBUTED TO THIS SPILL. NO KNOWN SUMP OR PUMP IN STRUCTURE. NO KNOWN SEWER CONNECTION PRESENT. NO PRIVATE PROPERTY AFFECTED. OWNER OF SUBSTANCES IS UNKNOWN. NO KNOWN SUBSTANTIAL CRACKS IN STRUCTURE. ENIVIR. TAG# 08305 PLACED. 1 LIQ. SAMPLE TAKEN. UPDATE 10-1-02 1200 HRS CHEM LAB # 02-09183-001 OIL ID ANALYSIS INDICATES PRESENCE SIMILAR TO A DIELECTRIC FLUID ALSO # 02-09183-001 4 PPM Update - 1605hrs - 10/1/02 S. Adedapo env. ops crew reports while performing cleanup found earthen sump. Will remove from 24 hr deminimus program. Update - 2100hrs - 10/1/02 J. Dekanchuk reports clean up stopped. Tanker broke down. Structure is making water. UPDATE: 10/2/02 - 1300 F. DELLATORRE - ENV. OPS., REPORTS CLEANUP COMPLETED BY DOUBLE WASHING STRUCTURE WITH BULLDOG. LIQUID WASTE REMOVED BY TANKER. SOLID WASTE REMOVED BY VACTOR. SUMP WAS SEALED. TAG # 08305 REMOVED. STRUCTURE MAKES WATER THROUGH FLOOR."

Remarks: "THEY HAVE A SHEEN ON 1,000 GALLONS OF WATER SPILL BEING TREATED AS A 24 HOUR DIMINUMIS CON ED 145332 NO SEWERS OR WATERWAYS NO FIRE NO SMOKE NO TRANSFORMER INVOLVED "

All Materials:

Site ID:	86912
Operable Unit ID:	858578
Operable Unit:	01
Material ID:	517408
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

N79 **MANHOLE 71777** **NY Spills** **S105236416**
South **W 29TH ST /MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.035 mi.
185 ft. **Site 2 of 2 in cluster N**

Relative: Higher

Actual: 3 ft.

SPILLS:

Name:	MANHOLE 71777
Address:	W 29TH ST /MERMAID AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0108830 / 2002-02-19
Facility ID:	0108830
Facility Type:	ER
DER Facility ID:	60778
Site ID:	62746
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-12-04
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2001-12-05
CID:	246
Water Affected:	Not reported

MANHOLE 71777 (Continued) **S105236416**

Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-05
Spill Record Last Update:	2002-02-19
Spiller Name:	Not reported
Spiller Company:	UNK
Spiller Address:	UNK
Spiller Company:	999
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY "
Remarks:	"1 QT OIL FOUND ON 300 GAL WATER IN MANHOLE - SAMPLE TAKEN LESS THAN 1PPB - CLEANUP PENDING REMOVAL OF VEH OVER MANHOLE"

All Materials:

Site ID:	62746
Operable Unit ID:	847143
Operable Unit:	01
Material ID:	530049
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D80 **LOT 48,TAXBLOCK 7051** **NY E DESIGNATION** **S109695596**
South **2907 SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.038 mi.
198 ft. **Site 8 of 13 in cluster D**

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 48,TAXBLOCK 7051
Address:	2907 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Tax Lot(s):	48
Tax Block:	7051
Borough Code:	BK
E-No:	E-226
Effective Date:	5/22/2009
Satisfaction Date:	Not reported
Ceqr Number:	09HPD021K
Ulurp Number:	090250ZMK090250ZMK
Zoning Map No:	28d
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

LOT 48,TAXBLOCK 7051 (Continued) **S109695596**

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

H81 **CON EDISON MANHOLE: 36381** **RCRA NonGen / NLR** **1016968000**
NNW **S NEPTUNE AVE & W 29TH ST** **NY MANIFEST** **NYP004416012**
< 1/8 **BROOKLYN, NY 11224**
0.038 mi.
201 ft. **Site 3 of 3 in cluster H**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140210
Handler Name:	CON EDISON MANHOLE: 36381	
Handler Address:		S NEPTUNE AVE & W 29TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004416012
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No

CON EDISON MANHOLE: 36381 (Continued) **1016968000**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20141014
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20140110
Handler Name: CON EDISON MANHOLE: 36381	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140210
Handler Name: CON EDISON MANHOLE: 36381	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

CON EDISON MANHOLE: 36381 (Continued) **1016968000**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: S NEPTUNE AVE & W 29TH ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004416012
Facility Status: Not reported
Location Address 1: S NEPTUNE AVE 32 S SEC W29 ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004416012
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PLACE
Mailing Address 2: 15TH FL
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJD003812047
Trans2 State ID: NJD003812047
Generator Ship Date: 01/10/2014
Trans1 Recv Date: 01/10/2014
Trans2 Recv Date: 01/10/2014

CON EDISON MANHOLE: 36381 (Continued) **1016968000**

TSD Site Recv Date:	01/13/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004416012
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002328404GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

D82 **MANHOLE #71776** **NY Spills** **S106469659**
South **WEST 29TH ST/NESURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 9 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

SPILLS:

Name:	MANHOLE #71776
Address:	WEST 29TH ST/NESURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0402391 / 2004-09-14
Facility ID:	0402391
Facility Type:	ER
DER Facility ID:	258905
Site ID:	321388
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4

MANHOLE #71776 (Continued) **S106469659**

SWIS:	2401
Spill Date:	2004-06-02
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	2004-06-03
CID:	407
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-06-03
Spill Record Last Update:	2004-09-14
Spiller Name:	ERT DESK
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	999
Contact Name:	ERT DESK
DEC Memo:	"e2mis no 153668 DELAROSA, EMP NO. 19655 FOUND APPX 1 PT OF UNKNOWN OIL ON APPOX 300 GALS OF WATER. NO SEWERS OR WATERWAYS AFFECTED. HE WAS UNABLE TO VERIFY ANY SUBSTANTIAL CRACKS IN THE STRUCTURE, THE SOURCE OF THE SPILL OR IF THERE WAS ANY OIL FILLED EQUIPMENT INVOLVED. ONE LIQUID SAMPLE WAS TAKEN. CLEANUP PENDING RESULTS. Lab Sequence Number: 04-04314-001 PCBs < 1 ppm. BROOKLYN ENV OPS O/S B. BROWN REPORTS THAT CLEANUP IS NOT EXPECTED TO BE COMPLETE PRIOR TO 18:20 HRS. DUE TO AMOUNT OF WORK REQUIRED TO CLEAN STRUCTURE AND ALSO DUE TO CABLE AND UNDERGROUND CREWS CURRENTLY WORKING IN STRUCTURE. Update - 6/3/04 - 2015hrs Sam Rosenking, env. ops mech reports double washed structure with bulldog. Found cement sump in structure. Removed all liquds with vactor. Structure not making water at this time. No leaking co. equipment found. Removed env. stop tag # 39231. Clean up completed 100%."
Remarks:	"Spill is 1 pint into 300 gallons of water. "

All Materials:

Site ID:	321388
Operable Unit ID:	884076
Operable Unit:	01
Material ID:	490012
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D83 **TS 6002** **NY Spills** **S104283577**
South **WEST 29TH ST SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 10 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

SPILLS:

Name:	TS 6002
Address:	WEST 29TH ST SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9909275 / 1999-12-21
Facility ID:	9909275
Facility Type:	ER
DER Facility ID:	121827
Site ID:	142799
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	1999-10-30
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-10-30
CID:	382
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-10-30
Spill Record Last Update:	2000-05-23
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL con ed e2mis notes: While on location to drain transformer at 09:00 hrs found an undiaperable sheen of unknown oil on approx. 500 gal. water in VS-6002. Source of oil is unknown (not from transformer). Cleanup will be treated as 50-499 ppm. Pending PCB results. As per ERT, we can use the same EPA ID# that was issued this morning to drain the transformer: NYP004045787. Results for transformer oil: 10/27/99, Lab Seq#99-11376, 611 ppm. Lab Seq# 99-11463, Results <1.00 ppm, Cleanup completed and stop tag removed. <1.0 ppm cleanup completed using bio-gen760. Incident is closed. "
Remarks:	"SHEEN ON 500 GALS OF WATER CONTAINED IN MANHOLE. CLEAN UP PENDING. "

All Materials:

Site ID:	142799
Operable Unit ID:	1083894
Operable Unit:	01
Material ID:	298359
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported

TS 6002 (Continued) **S104283577**

Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D84 **WEST 29TH ST & SURF AVE** **NY Spills** **S106126282**
South **W. 29TH ST & SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 11 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

SPILLS:

Name:	WEST 29TH ST & SURF AVE
Address:	W. 29TH ST & SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0308216 / 2003-12-22
Facility ID:	0308216
Facility Type:	ER
DER Facility ID:	171662
Site ID:	206787
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2003-11-03
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	2003-11-03
CID:	405
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-11-03
Spill Record Last Update:	2004-04-01
Spiller Name:	CALLER
Spiller Company:	CON EDISON
Spiller Address:	128 WEST END AVENUE
Spiller Company:	001
Contact Name:	ERT
DEC Memo:	"11-03-03 10:10 HRS R. DEROSA 14790 (NET) REPORTS, FOUND ONE PINT OF UNKNOWN OIL ON APPROX 00 GALLONS OF WATER. AT THIS TIME OIL APPEARS TO BE CONTAINED. NO HISTORICAL RECORDS AT THIS TIME. ENV STOP TAG # 360 WAS PLACED. ALSO THIS STRUCTURE IS MAKING WATER. NO SEWER CONNECTIONS OR SUMPS NOTICED. ONE LIQUID SAMPLE WAS TAKEN ON A E PRIORTY AND CLEANUP IS PENDING LAB RESULTS. UPDATE 11-03-03 11:25 HRS R. DEROSA REPORTS, PRESSURE TESTED AND PASSED. . UPDATE 11-03-03 12:05HRS J. DEROSA REPORTS, UPON FURTHER INVESTIGATING, FOUND SECONDARY BUSHING LEAKING. DISREGARDED FIRST SAMPLE AND TOOK NEW SAMPLE FROM TRANSFORMER TANK. UPDATE 12:10 HRS HISTORICAL RECORDS INDICATE 3 PPM 11/04/0 LAB SEQ# 02-10316-004. UPDATE 11-03-03 12:20

WEST 29TH ST & SURF AVE (Continued) **S106126282**

HRS S. EDIP (NET) REPORTS, AT THIS TIME THREE ADJACENT VAULTS, TWO LINE HOLES AND ONE BUS COMPARTMENT ALL HAVE WATER BUT NO OIL. POTENTIAL THAT WHEN WATER IN AFFECTED VS 5993 REACHES PRIMARY DUCTS THE OIL CAN CONTAMINATE THE ADJACENT MH'S. THIS JOB WILL NOW BE TREATED AS A 50-499 CLEANUP. TANKER WAS ORDERED FOR AFTER 14:00 HRS. 11/03/03 18:25 HRS. -- LAB SEQ 03-08975, 1 PPM, AROCLOR 1260. 11/03/03 20:35 HRS. -- TRANSFORMER WAS DRAINED WITH TANKER, REMOVING 250 GAL. OIL. TANKER ALSO REMOVED 1200 GAL. OF WATER FROM VAULT. TRANSFORMER TO BE SCHEDULED FOR REMOVAL. 11/7/03 11:10 HRS TRANSFORMER HAS BEEN REMOVED FROM STRUCTURE. ENV. STOP TAG REMAINS IN PLACE. ENV. OPS. ON LOCATION. Update - 11/7/03 - 2100hrs double washed structure with A1 hydroiwash. Removed all liquds with <50 tanker. Transformer was removed earlier. Found a cemented sump in structure. Clean up completed."

Remarks: "spill from a transformer in vault # 9553 - 1 pint on 300 gallons of water - spill is contained - con ed # 150998 - pcb's are at 1 ppm"

All Materials:

Site ID:	206787
Operable Unit ID:	876702
Operable Unit:	01
Material ID:	501733
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D85 **VAULT 5977** **NY Spills** **S106008000**
South **WEST 29TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 12 of 13 in cluster D**

Relative: **Higher**

Actual: **4 ft.**

SPILLS:

Name:	VAULT 5977
Address:	WEST 29TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0206780 / 2002-11-29
Facility ID:	0206780
Facility Type:	ER
DER Facility ID:	225164
Site ID:	276953
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	2401
Spill Date:	2002-10-01
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2002-10-01
CID:	246
Water Affected:	Not reported
Spill Source:	Commercial/Industrial

VAULT 5977 (Continued) **S106008000**

Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-10-01
Spill Record Last Update:	2002-11-29
Spiller Name:	LARRY COSTA
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY copy given to eco's. Con Ed e2mis #145333: 10-1-02 0810 HRS A. WALKER OS FLUSH DEPT REPORTS WHILE CHECKING STRUCTURE IN VS5977 E/S W. 29 ST 494' S/O MERMAID AVE THEY FOUND THE TRANSF (BELOW MIN) ON FDR.7B41 (WAS REQUESTED OFF ON EMERG PRIORITY # 1) LEAKED APPROX 100 GALLONS DIELECTRIC FLUID INTO STRUCTURE ONTO 450 GALLONS WATER. THERE WAS NO FIRE OR SMOKE AT THIS LOCATION. NO PRIVATE PROPERTY AFFECTED, NO INJURIES. HE SEE A CONCRETE SUMP. HE DOES NOT SEE A SEWER CONNECTION OR EARTHEN SUMP. LIQUID IS CONTAINED TO STRUCTURE. NO SEWERS OR WATERWAYS AFFECTED. HISTORICAL RECORD OF TRANSF IS 10 PPM AND WAS LAST TESTED 3-2-95. THEY WILL TAKE A LIQUID SAMPLE FROM THE SOURCE (TRANSF). THEY WILL REQUEST EMERG PRIORITY FOR PCB SAMPLE RESULT. THEY STARTED CLEAN UP AS 50-499 PPM. AN OVER 50PPM TANKER IS ON LOCATION TO START CLEANUP. (EPA # NYP004103123) ALSO FLUSH CREW ON LOCATION . CHAIN OF CUSTODY # CC09092. E.S.TAG #35025 WAS PLACED. SEE INCIDENT #145329. Con Ed e2mis #145329: 30-SEP-2002 21:17 HRS. FOD DEPT. SR FIELD OPER. B.BERNIER EMP# 09376 REPORTS: WHILE ON LOCATION FOR INSPECTION WORK FOUND: APPROX. 5 GAL'S OF UNKNOWN OIL ON APPROX. 300 GAL'S OF WATER. SPILL IS CONTAINED. NO SEWERS OR WATER WAYS APPEAR TO BE AFFECTED. THERE IS NOT NOW NOR WAS THERE PRIOR FIRE INVOLVEMENT. THERE IS NOT NOW NOR WAS THERE PRIOR SMOKE INVOLVEMENT. THERE WERE NO INJURIES RELATED TO THIS INCIDENT. THERE ARE NO INCLEMENT WEATHER CONDITIONS OR HAZARD THAT CONTRIBUTED TO THIS SPILL. NO KNOWN SUMP OR PUMP. NO KNOWN SEWER CONNECTION PRESENT. NO PRIVATE PROPERTY AFFECTED . OWNER OF SUBSTANCES IS UNKNOWN. NO KNOWN SUBSTANTIAL CRACKS IN STRUCTURE. ENIVIR. TAG# 26272 PLACED. 1 LIQ. SAMPLE TAKEN FROM SPILL & MARKED PRIORITY E 24 HR. DEMINIMIS PROGRAM. CHAIN OF CUSTODY# BB-09690. SAMPLE TO BE TAKEN TO ASTORIA CHEM. LAB. CLEANUP PENDING TEST RESULTS. UPDATE - 30-SEP-2002 22:05 HRS. EQUIPMENT INFO : SERIAL # H375354, MFR: GE, CLASS: HIGAO, YR. OF MFR: 1974.YR. OF INST: 1974, UNIT TO BE PRESSURE TESTED. UNIT CAPACITY : 255 GAL'S, HISTORICAL PCB RECORDS INDICATE 10 PPM 3/2/95. HISTORICAL SEWER RECORDS INDICATE THE POSSIBILITY OF A SOIL DRAIN. UPDATE - 01-OCT-2002 03:29 HRS. LSN# 02-09179,SAMPLE TYPE: OIL, AROCLOR: 1260, RESULT: < 1PPM. 01-OCT-2002 02:35 HRS. B/Q EQUIPMENT GROUP. SPLICER V.DINEEN EMP# 41974 REPORTS: WHILE ON LOCATION TO PRESSURE TEST UNIT VS5993 FOUND IN V5977 APPROX. 50 GAL'S OF DIELECTRIC TRANSFORMER FLUID ON APPROX. 1000 GAL'S OF WATER. UNIT TESTED WELL BELOW MIN. VS5977 CAN NOT BE PRESSURE TESTED UNTIL UNIT IS DENERGIZED. HISTORICAL RECORDS INDICATE 10 PPM 3/2/95, TRANS. SER# H357726, TRAN. CODE HIGAO, MFR. CODE GE, INSTALLED 1/1/74, MANUFACTURED 1/1/74, UNIT CAPACITY 255 GAL'S. STRUCTURE TO BE CLEANED AS 50-499 BY ASTORIA TANKER. UNIT# 5953 WAS PRESSURE TESTED & PASSED, UNIT V6002 WAS

VAULT 5977 (Continued) **S106008000**

PRESSURE TESTED & PASSED. UPDATE - 01-OCT-2002 05:00 HRS. EH&S R.JAMES REPORTS: AT 04:40 HRS. M.DAUGHTREY ARRIVED ON LOCATION., INSPECTED STRUCTURE AND OIL SPILL. AFTER INSPECTION IT IS NOW BELIEVED 100 GAL'S OF DIELECTRIC FLUID IS MISSING FROM UNIT. UPDATE 10-1-02 AS R. JAMES ENVIR REP. HE REPORTS WHEN THEY DRAINED 550 GALLONS OF LIQUIDS FROM V5977 WITH OVER 50 PPM TANKER THEY FOUND THERE WAS NO TIE BET THE OTHER 3 STRUCTURES. THEY WENT BACK AND FOUND THAT VS5993 STILL HAD 5 GALLONS UNKNOWN OIL ON 300 GALLONS WATER. THEY PRESSURE TESTED TRANSF AND IT WAS GOOD. SAMPLE RESULT CAME BACK < 1 PPM. AND CAN BE CLEAN AS SUCH. CHECK V6002 AND FOUND IT ONLY CONTAINED WATER AND TRANSF PRESSURE TESTED GOOD. ALSO CHECK VS5953 AND FOUND WATER AND MUD AND TRANSF PRESSURE TESTED GOOD. SPOKE TO ERT M KESSLER AND A NEW INCIDENT WILL HAVE TO BE MADE FOR VS5977. "

Remarks: "Faulty transformer deposited material into vault. sample taken cleanup pending. unit shows below minimum "

All Materials:

Site ID:	276953
Operable Unit ID:	858543
Operable Unit:	01
Material ID:	517376
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D86 **VS 4031** **NY Spills** **S104790571**
South **SURF ST/W 29TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 13 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

SPILLS:

Name:	VS 4031
Address:	SURF ST/W 29TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0008217 / 2001-03-27
Facility ID:	0008217
Facility Type:	ER
DER Facility ID:	198988
Site ID:	242111
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2000-10-13
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2000-10-13
CID:	389
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons

VS 4031 (Continued) **S104790571**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-10-13
Spill Record Last Update:	2001-04-03
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY e2mis Notes: 1 quart of an unknown oil on 400 gallons water in VS4031. Transformer passed pressure test. Historical indicates <1ppm PCBs. Lab results returned <1ppm PCBs. Flush reports sump was found sealed. Double washed structure. Cleanup completed. Liquids and solids removed by tanker and vactor. No leaking equipment. KMF 4/3/01."
Remarks:	"CALLER REPORTING A SPILL OF UNK MATERIAL SAMPLES TAKEN CLEAN UP PENDING LAB RESULTS NO CALLBACK CONED#133917"

All Materials:

Site ID:	242111
Operable Unit ID:	830594
Operable Unit:	01
Material ID:	545733
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

M87 **CON EDISON MANHOLE: 42348** **RCRA NonGen / NLR** **1016149423**
SE **SURF AVE & W 25TH ST SE COR** **NY MANIFEST** **NYP004280863**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
272 ft. **Site 2 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20170728
Handler Name:	CON EDISON MANHOLE: 42348
Handler Address:	SURF AVE & W 25TH ST SE COR
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004280863
Contact Name:	T'ARRI SOWELL
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	718-666-4506
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	OPERATING SUPERVISOR
EPA Region:	02

CON EDISON MANHOLE: 42348 (Continued) **1016149423**

Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No

CON EDISON MANHOLE: 42348 (Continued) **1016149423**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171129
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20121219
Handler Name:	CON EDISON MANHOLE: 42348
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20170728
Handler Name:	CON EDISON MANHOLE: 42348
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	SURF AVE & W 25TH ST SE COR
City,State,Zip:	BROOKLYN, NY 11224

CON EDISON MANHOLE: 42348 (Continued) **1016149423**

Country:	USA
EPA ID:	NYP004280863
Facility Status:	Not reported
Location Address 1:	SEC SURF AVE. & W 25 ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004280863
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	12/19/2012
Trans1 Recv Date:	12/19/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/21/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004280863
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001676106GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON MANHOLE: 42348 (Continued) **1016149423**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

O88 **NYC SCHOOL CONSTRUCTION AUTH** **RCRA NonGen / NLR** **1015746588**
ESE **2950 W 25TH ST** **NY MANIFEST** **NYP000969063**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
272 ft. **Site 1 of 5 in cluster O**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20130108
Handler Name:	NYC SCHOOL CONSTRUCTION AUTH	
Handler Address:		2950 W 25TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP000969063
Contact Name:		ALEXANDER LEMPERT
Contact Address:		THOMSON AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-472-8501
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		DIR NYCSCA I & EH DIV
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		THOMSON AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

NYC SCHOOL CONSTRUCTION AUTH (Continued) **1015746588**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20170524
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20121126
Handler Name:	NYC SCHOOL CONSTRUCTION AUTH
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

NYC SCHOOL CONSTRUCTION AUTH (Continued) **1015746588**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130108
Handler Name:	NYC SCHOOL CONSTRUCTION AUTH
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	NYC SCHOOL CONSTRUCTION AUTH PS 288
Address:	2950 W 25TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP000969063
Facility Status:	Not reported
Location Address 1:	2950 W 25TH ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP000969063
Mailing Name:	NYC SCHOOL CONSTRUCTION AUTH PS 288
Mailing Contact:	NYC SCHOOL CONSTRUCTION AUTH
Mailing Address 1:	30-30 THOMSON AVE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101

NYC SCHOOL CONSTRUCTION AUTH (Continued) **1015746588**

Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7184728000

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD054126164
Trans2 State ID:	PAD982661381
Generator Ship Date:	11/29/2012
Trans1 Recv Date:	11/29/2012
Trans2 Recv Date:	12/06/2012
TSD Site Recv Date:	12/14/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP000969063
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	PAD085690592
TSDF ID 2:	Not reported
Manifest Tracking Number:	009182380JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	190
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

O89 **NYC SCHOOL CONSTRUCTION AUTHORITY - PS288** **PA MANIFEST** **S113739447**
ESE **2950 WEST 25TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
272 ft. **Site 2 of 5 in cluster O**

Relative: **Lower**

Actual: **2 ft.**

Manifest Details:

Year:	2012
Manifest Number:	009182380JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYP000969063
Generator Date:	11/29/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address:	2869 SANDSTONE DRIVE
TSD Facility City:	HATFIELD
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D008
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	250
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

Year:	2012
Manifest Number:	009182380JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYP000969063
Generator Date:	11/29/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address:	2869 SANDSTONE DRIVE
TSD Facility City:	HATFIELD
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	250
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592

NYC SCHOOL CONSTRUCTION AUTHORITY - PS288 (Continued) **S113739447**

Date TSP Sig:	Not reported
Year:	2012
Manifest Number:	009182380JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYP000969063
Generator Date:	11/29/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address:	2869 SANDSTONE DRIVE
TSD Facility City:	HATFIELD
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D001
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	190
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported
Year:	2012
Manifest Number:	009182380JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYP000969063
Generator Date:	11/29/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address:	2869 SANDSTONE DRIVE
TSD Facility City:	HATFIELD
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	8
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	990
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

O90 **SANDY FOLLOW UP** **NY AST** **U003394222**
ESE **2950 WEST 25TH STREET** **NY Spills** **N/A**
< 1/8 **BROOKLYN, NY**
0.052 mi.
272 ft. **Site 3 of 5 in cluster O**

Relative:
Lower

Actual:
2 ft.

AST:

Name:	P.S 288 - BROOKLYN K288
Address:	2950 WEST 25TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-354503
Program Type:	PBS
UTM X:	585340.42481
UTM Y:	4491932.24893
Expiration Date:	N/A
Site Type:	School

Affiliation Records:

Site Id:	17629
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	MUNENDRA SHARMA
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	Not reported
Fax Number:	Not reported
Modified By:	ACDANIEL
Date Last Modified:	2018-07-17

Site Id:	17629
Affiliation Type:	Mail Contact
Company Name:	NYC DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	MUNENDRA SHARMA
Address1:	FIELD OPERATIONS-FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	MSHARMA@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2020-02-04

Site Id:	17629
Affiliation Type:	Facility Operator
Company Name:	P.S 288 - BROOKLYN K288
Contact Type:	Not reported
Contact Name:	ROBERT DRACH

SANDY FOLLOW UP (Continued) **U003394222**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 382-2100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-09-28

Site Id:	17629
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	KEN MAHADEO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 210-7918
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2021-12-22

Tank Info:

Tank Number:	001
Tank Id:	34514
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
J02 - Dispenser - Suction Dispenser
G02 - Tank Secondary Containment - Vault (w/access)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/25/1961
Capacity Gallons:	7000

SANDY FOLLOW UP (Continued) **U003394222**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/16/2015
Register:	True
Modified By:	HDDUPIGN
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

Tank Number:	002
Tank Id:	34515
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
G02 - Tank Secondary Containment - Vault (w/access)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/25/1961
Capacity Gallons:	7000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/16/2015
Register:	True
Modified By:	HDDUPIGN
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

Tank Number:	003
Tank Id:	260046

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
I05 - Overfill - Vent Whistle
K00 - Spill Prevention - None
G09 - Tank Secondary Containment - Modified Double-Walled

SANDY FOLLOW UP (Continued) **U003394222**

(Aboveground)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
L00 - Piping Leak Detection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	10/15/2015
Capacity Gallons:	7000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/17/2017
Register:	True
Modified By:	DAFRANCI
Last Modified:	09/28/2017
Material Name:	#2 fuel oil (on-site consumption)

SPILLS:

Name:	SANDY FOLLOW UP
Address:	2950 WEST 25TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1208592 / 2013-04-23
Facility ID:	1208592
Facility Type:	ER
DER Facility ID:	425924
Site ID:	471655
DEC Region:	2
Spill Cause:	Storm
Spill Class:	C4
SWIS:	2401
Spill Date:	2012-10-28
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	2012-11-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-11-02
Spill Record Last Update:	2013-04-23
Spiller Name:	BRIAN GOCHENAUR
Spiller Company:	STORM DAMAGE
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BRIAN GOCHENAUR

SANDY FOLLOW UP (Continued) **U003394222**

DEC Memo: "Closure report in edocs.LIRO engineers prepared closure report. Cleanup and debris removal activities were performed by Williams and vacuum truck liquid extraction was provided by AARCO. AARCO pumped flood waters and the oil/water mixture from the basement (electrical and storage rooms, boiler room and tank room) to frac tanks located outside of the facility. Based on the remediation performed and visual observations, LiRo concludes that the oil release has been satisfactorily remediated and thereby requests that this spill case be closed. "

Remarks: "contained to boiler room and basement clean up in progress"

All Materials:

Site ID:	471655
Operable Unit ID:	1221511
Operable Unit:	01
Material ID:	2220161
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

O91 **NYC DEPT OF EDUCATION - PS 288K** **RCRA-SQG 1016144321**
ESE **2950 W 25TH ST** **NY MANIFEST NYR000199000**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
272 ft. **Site 4 of 5 in cluster O**

Relative: **Lower**

Actual: **2 ft.**

RCRA-SQG:

Date Form Received by Agency:		20130219
Handler Name:	NYC DEPT OF EDUCATION - PS 288K	
Handler Address:		2950 W 25TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000199000
Contact Name:		ALEXANDER LEMPERT
Contact Address:		THOMSON AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-472-8501
Contact Fax:		718-472-8500
Contact Email:		ALEMPERT@NYCSCA.ORG
Contact Title:		DIRECTOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		THOMSON AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYC DEPT OF EDUCATION	
Owner Type:		Municipal

NYC DEPT OF EDUCATION - PS 288K (Continued) **1016144321**

Operator Name:	NYC DEPT OF SCHOOL FACILITIES
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

NYC DEPT OF EDUCATION - PS 288K (Continued) **1016144321**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC DEPT OF EDUCATION	
Legal Status:	Municipal
Date Became Current:	19650126
Date Ended Current:	Not reported
Owner/Operator Address:	30-30 THOMSON AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101
Owner/Operator Telephone:	718-472-8501
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC DEPT OF SCHOOL FACILITIES	
Legal Status:	Municipal
Date Became Current:	19650126
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20130219
Handler Name: NYC DEPT OF EDUCATION - PS 288K	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	61111
NAICS Description:	ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	NYC DEPT OF EDUCATION - PS 288K
Address:	2950 W 25TH ST
City,State,Zip:	BROOKLYN, NY 11224

NYC DEPT OF EDUCATION - PS 288K (Continued) **1016144321**

Country:	USA
EPA ID:	NYR000199000
Facility Status:	Not reported
Location Address 1:	2950 W 25TH ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000199000
Mailing Name:	NYC DEPT OF EDUCATION - PS 288K
Mailing Contact:	NYC SCHOOL CONSTRUCTION AUTHORITY
Mailing Address 1:	30-30 THOMSON AVE
Mailing Address 2:	RE: PS 288
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7184728000

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NYD986938645
Trans2 State ID:	NJD054126164
Generator Ship Date:	12/07/2013
Trans1 Recv Date:	12/07/2013
Trans2 Recv Date:	01/28/2014
TSD Site Recv Date:	02/12/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000199000
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	MAC300017498
TSDF ID 2:	Not reported
Manifest Tracking Number:	006378737JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H039
Waste Code:	Not reported
Waste Code:	Not reported

NYC DEPT OF EDUCATION - PS 288K (Continued) **1016144321**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Waste Code:	B007
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

M92 **CON EDISON - VS 5766, 5531, 5628** **RCRA NonGen / NLR** **1008195630**
SE **WEST 25 ST & SURF AVE** **NY MANIFEST** **NYP004110839**
< 1/8 **BROOKLYN, NY 11241**
0.052 mi.
276 ft. **Site 3 of 12 in cluster M**

Relative: **Higher**

Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20040227
Handler Name:	CON EDISON - VS 5766, 5531, 5628
Handler Address:	WEST 25 ST & SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11241
EPA ID:	NYP004110839
Contact Name:	ANTHONY DRUMMINGS
Contact Address:	4 IRVING PLACE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-3770
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Municipal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	4 IRVING PLACE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

CON EDISON - VS 5766, 5531, 5628 (Continued) **1008195630**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2003

Click Here for Biennial Reporting System Data:

Handler - Owner Operator:

CON EDISON - VS 5766, 5531, 5628 (Continued) **1008195630**

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030507
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030507
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030507
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030507
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20040225
Handler Name: CON EDISON - VS 5766, 5531, 5628
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

CON EDISON - VS 5766, 5531, 5628 (Continued) **1008195630**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040226
Handler Name: CON EDISON - VS 5766, 5531, 5628
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040227
Handler Name: CON EDISON - VS 5766, 5531, 5628
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CONSOLIDATED EDISON
Address: WEST 25 ST & SURF AVE
City,State,Zip: BROOKLYN, NY 11241
Country: USA
EPA ID: NYP004110839
Facility Status: Not reported
Location Address 1: W 25 ST % SURF AVE V5766
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY

CON EDISON - VS 5766, 5531, 5628 (Continued) **1008195630**

Location Zip:	11201
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004110839
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address 1:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124602808

M93 **CONEY ISLAND GARAGE & MAINTENANCE** **NY AST** **U001841456**
SE **WEST 25TH STREET AND SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
276 ft. **Site 4 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

AST:

Name:	CONEY ISLAND GARAGE & MAINTENANCE
Address:	WEST 25TH STREET AND SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600449
Program Type:	PBS
UTM X:	585340.05689
UTM Y:	4491893.84049
Expiration Date:	12/04/2021
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	22430
Affiliation Type:	Facility Owner
Company Name:	NYC PARKS & RECREATION
Contact Type:	DEPUTY CHIEF
Contact Name:	GABRIEL RAMOS
Address1:	830 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 410-8916
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-02-27

Site Id:	22430
Affiliation Type:	Mail Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

Contact Name:	GABE RAMOS
Address1:	20 BRONX SHORE ROAD
Address2:	RANDALLS ISLAND
City:	NEW YORK
State:	NY
Zip Code:	10035
Country Code:	001
Phone:	(212) 410-8916
EMail:	GABRIEL.RAMOS@PARKS.NYC.GOV
Fax Number:	Not reported
Modified By:	DMPOKRZY
Date Last Modified:	2016-08-16

Site Id:	22430
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND GARAGE & MAINTENANCE
Contact Type:	Not reported
Contact Name:	DARREN MERRITT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 965-8915
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-02-27

Site Id:	22430
Affiliation Type:	Emergency Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	LAURENCE MAJOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 965-8915
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MXLAY
Date Last Modified:	2016-06-22

Tank Info:

Tank Number:	004
Tank Id:	52247
Material Code:	2711
Common Name of Substance:	Biodiesel (Heating, On-Site Consumption)

Equipment Records:

I05 - Overfill - Vent Whistle

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
G00 - Tank Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
L00 - Piping Leak Detection - None
J00 - Dispenser - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/22/1980
Capacity Gallons:	750
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/15/2013
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	biodiesel (heating, on-site consumption)
Tank Number:	005
Tank Id:	52248
Material Code:	2711
Common Name of Substance:	Biodiesel (Heating, On-Site Consumption)

Equipment Records:

I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None
J00 - Dispenser - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	08/15/1980
Capacity Gallons:	3000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/28/2020

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

Register:	True
Modified By:	DAFRANCI
Last Modified:	11/09/2020
Material Name:	biodiesel (heating, on-site consumption)
Tank Number:	006
Tank Id:	262308
Equipment Records:	
	I05 - Overfill - Vent Whistle K00 - Spill Prevention - None A00 - Tank Internal Protection - None B01 - Tank External Protection - Painted/Asphalt Coating H05 - Tank Leak Detection - In-Tank System (ATG) L09 - Piping Leak Detection - Exempt Suction Piping E00 - Piping Secondary Containment - None D02 - Pipe Type - Galvanized Steel F00 - Pipe External Protection - None G12 - Tank Secondary Containment - Double-Walled (AG only) C02 - Pipe Location - Underground/On-ground J03 - Dispenser - Gravity
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/30/2012
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	biodiesel (heating, on-site consumption)
Tank Number:	007
Tank Id:	266343
Equipment Records:	
	G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground) K00 - Spill Prevention - None A00 - Tank Internal Protection - None H00 - Tank Leak Detection - None I00 - Overfill - None E00 - Piping Secondary Containment - None B00 - Tank External Protection - None C00 - Pipe Location - No Piping F00 - Pipe External Protection - None L00 - Piping Leak Detection - None D00 - Pipe Type - No Piping J00 - Dispenser - None
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/08/2016
Capacity Gallons:	280
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	waste oil/used oil

Tank Number:	008
Tank Id:	266344

Equipment Records:

G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
E00 - Piping Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/08/2016
Capacity Gallons:	250
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	hydraulic oil

Tank Number:	009
Tank Id:	266345

Equipment Records:

G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

I00 - Overfill - None
E00 - Piping Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/08/2016
Capacity Gallons:	250
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	motor oil

M94 **CONEY ISLAND GARAGE & MAINTENANCE** **NY UST** **U004064364**
SE **WEST 25TH STREET AND SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
276 ft. **Site 5 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

UST:

Name:	CONEY ISLAND GARAGE & MAINTENANCE
Address:	WEST 25TH STREET AND SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-600449 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	12/04/2021
UTM X:	585340.05689
UTM Y:	4491893.84049
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	22430
Affiliation Type:	Facility Owner
Company Name:	NYC PARKS & RECREATION
Contact Type:	DEPUTY CHIEF
Contact Name:	GABRIEL RAMOS
Address1:	830 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 410-8916
EMail:	Not reported
Fax Number:	Not reported

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U004064364**

Modified By:	DAFRANCI
Date Last Modified:	2017-02-27
Site Id:	22430
Affiliation Type:	Mail Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	GABE RAMOS
Address1:	20 BRONX SHORE ROAD
Address2:	RANDALLS ISLAND
City:	NEW YORK
State:	NY
Zip Code:	10035
Country Code:	001
Phone:	(212) 410-8916
EMail:	GABRIEL.RAMOS@PARKS.NYC.GOV
Fax Number:	Not reported
Modified By:	DMPOKRZY
Date Last Modified:	2016-08-16
Site Id:	22430
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND GARAGE & MAINTENANCE
Contact Type:	Not reported
Contact Name:	DARREN MERRITT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 965-8915
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-02-27
Site Id:	22430
Affiliation Type:	Emergency Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	LAURENCE MAJOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 965-8915
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MXLAY
Date Last Modified:	2016-06-22

Tank Info:

Tank Number:	001

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U004064364**

Tank ID: 42768
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1000
Install Date: 07/01/1986
Date Tank Closed: 09/26/2012
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2710
Common Name of Substance: Biodiesel

Tightness Test Method: 21
Date Test: 08/27/2002
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 04/14/2017

Equipment Records:

D99 - Pipe Type - Other
G99 - Tank Secondary Containment - Other
H05 - Tank Leak Detection - In-Tank System (ATG)
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double walled UG
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F05 - Pipe External Protection - Jacketed

Tank Number: 001A
Tank ID: 248487
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 2500
Install Date: 12/21/2012
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MXLAY
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
H05 - Tank Leak Detection - In-Tank System (ATG)
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U004064364**

I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
E04 - Piping Secondary Containment - Double walled UG
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
A03 - Tank Internal Protection - Fiberglass Liner (FRP)

Tank Number:	002
Tank ID:	42769
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	07/01/1986
Date Tank Closed:	09/26/2012
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2710
Common Name of Substance:	Biodiesel
Tightness Test Method:	21
Date Test:	08/27/2002
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

D99 - Pipe Type - Other
G99 - Tank Secondary Containment - Other
H05 - Tank Leak Detection - In-Tank System (ATG)
E04 - Piping Secondary Containment - Double walled UG
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F05 - Pipe External Protection - Jacketed

Tank Number:	002A
Tank ID:	248488
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	1000
Install Date:	12/21/2012
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Tightness Test Method:	NN
Date Test:	Not reported

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U004064364**

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MXLAY
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
H05 - Tank Leak Detection - In-Tank System (ATG)
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double walled UG
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
F04 - Pipe External Protection - Fiberglass
C02 - Pipe Location - Underground/On-ground
A03 - Tank Internal Protection - Fiberglass Liner (FRP)

Tank Number: 003
Tank ID: 42770
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1000
Install Date: 07/01/1986
Date Tank Closed: 09/26/2012
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2710
Common Name of Substance: Biodiesel

Tightness Test Method: 21
Date Test: 11/13/2002
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 04/14/2017

Equipment Records:

D99 - Pipe Type - Other
G99 - Tank Secondary Containment - Other
H05 - Tank Leak Detection - In-Tank System (ATG)
E04 - Piping Secondary Containment - Double walled UG
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F05 - Pipe External Protection - Jacketed

M95 **CONEY ISLAND MAINT GARAGE** **NY Spills** **S112228662**
SE **3026 WEST 25TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.053 mi.
278 ft. **Site 6 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

SPILLS:

Name:	CONEY ISLAND MAINT GARAGE
Address:	3026 WEST 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1208483 / 2013-11-17
Facility ID:	1208483
Facility Type:	ER
DER Facility ID:	425816
Site ID:	471545
DEC Region:	2
Spill Cause:	Storm
Spill Class:	C4
SWIS:	2401
Spill Date:	2012-10-29
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	2012-11-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-11-02
Spill Record Last Update:	2013-11-17
Spiller Name:	Not reported
Spiller Company:	HURRICANE SANDY
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BILL KLEIN
DEC Memo:	"09/19/2013 - V. Brevdo This is Hurricane Sandy related spill (1208483) that was unassigned until today. Attention to this was brought up by NYCDDC during today's quarterly meeting. Alex Zhitomirsky has three other spill cases on Coney Island Maintenance Garage: 0550468; 1113400; and 1206177. V. Brevdo discussed this with Jeffrey Vought of Spill Prevention and Response in the absence of Randall Austin. Jeff did not have objections against Section B (Alex Zhitomirsky) managing this spill, given Alex has three other spill cases on this address/site. Spill Case is assigned to Alex Zhitormirsky effective today 09/19/2013. VB 11/17/13 TJD Site inspection - met on site with NYC Parks Maintenance Supervisor (Robert Sangroni). Location is the NYC Parks Department Coney Island Garage. Interview with Mr. Sangroni reveals the following: - Underground tank system was empty and in process of replacement at time of storm. - Spill was associated with discharge from (55) gallon drum of gasoline onsite for contractor (Franklin Company) purposes as part of tank replacement project. - Area sustained significant flooding and sand deposits associated with Hurricane Sandy - Franklin Company reported to have cleaned spill and removed an unknown volume

CONEY ISLAND MAINT GARAGE (Continued) **S112228662**

of contaminated sand to the satisfaction of NYC Parks Department. - A 3K FO AST located in basement/crawlspace was inservice prior to storm - tank is strapped down - piping was dislodged from tank during storm but no reported discharge occurred. - 3K AST is Out of Service since storm - unknown if tank has been pumped - not leaking - no petroleum odors interior or exterior of structure was evident at time of inspection. Unknown if tank still contains contaminated product from storm impacts. - A 1K FO AST temp tank is currently staged on sidewalk for on site consumption. - Facility has a pending contract to convert to gas heat and remove AST in basement. - New UST's were installed and operating since January 2013 include 1K Gasoline & 2K Diesel - Perimiter of structure and basement/crawlspace floor (sand) appear clean and free of residual petroleum impacts based upon visual and olfactory inspection. No further action is required associated with reported Hurricane Sandy spill at this property. Spill is closed and cross-referenced to existing open spill numbers (1206177) at this site (referenced in DEC remarks dated 9/19/13)."

Remarks: "total 600 gallons - cleanup crew on scene"

All Materials:

Site ID: 471545
Operable Unit ID: 1221402
Operable Unit: 01
Material ID: 2220045
Material Code: 0021
Material Name: transmission fluid
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Site ID: 471545
Operable Unit ID: 1221402
Operable Unit: 01
Material ID: 2220047
Material Code: 0010
Material Name: hydraulic oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Site ID: 471545
Operable Unit ID: 1221402
Operable Unit: 01
Material ID: 2220046
Material Code: 0022
Material Name: waste oil/used oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

CONEY ISLAND MAINT GARAGE (Continued) **S112228662**

Name:	CONEY ISLAND MAINT GARAGE
Address:	3026 WEST 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1208483 / 2013-11-17
Facility ID:	1208483
Facility Type:	ER
DER Facility ID:	425816
Site ID:	471545
DEC Region:	2
Spill Cause:	Storm
Spill Class:	C4
SWIS:	2401
Spill Date:	2012-10-29
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	2012-11-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-11-02
Spill Record Last Update:	2013-11-17
Spiller Name:	Not reported
Spiller Company:	HURRICANE SANDY
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BILL KLEIN
DEC Memo:	"09/19/2013 - V. Brevdo This is Hurricane Sandy related spill (1208483) that was unassigned until today. Attention to this was brought up by NYCDDC during today's quarterly meeting. Alex Zhitomirsky has three other spill cases on Coney Island Maintenance Garage: 0550468; 1113400; and 1206177. V. Brevdo discussed this with Jeffrey Vought of Spill Prevention and Response in the absence of Randall Austin. Jeff did not have objections against Section B (Alex Zhitomirsky) managing this spill, given Alex has three other spill cases on this address/site. Spill Case is assigned to Alex Zhitormirsky effective today 09/19/2013. VB 11/17/13 TJD Site inspection - met on site with NYC Parks Maintenance Supervisor (Robert Sangroni). Location is the NYC Parks Department Coney Island Garage. Interview with Mr. Sangroni reveals the following: - Underground tank system was empty and in process of replacement at time of storm. - Spill was associated with discharge from (55) gallon drum of gasoline onsite for contractor (Franklin Company) purposes as part of tank replacement project. - Area sustained significant flooding and sand deposits associated with Hurricane Sandy - Franklin Company reported to have cleaned spill and removed an unknown volume of contaminated sand to the satisfaction of NYC Parks Department. - A 3K FO AST located in basement/crawlspace was inservice prior to storm - tank is strapped down - piping was dislodged from tank during storm but no reported discharge occurred. - 3K AST is Out of Service since storm - unknown if tank has been pumped - not leaking - no petroleum

CONEY ISLAND MAINT GARAGE (Continued) **S112228662**

odors interior or exterior of structure was evident at time of inspection. Unknown if tank still contains contaminated product from storm impacts. - A 1K FO AST temp tank is currently staged on sidewalk for on site consumption. - Facility has a pending contract to convert to gas heat and remove AST in basement. - New UST's were installed and operating since January 2013 include 1K Gasoline & 2K Diesel - Perimiter of structure and basement/crawlspace floor (sand) appear clean and free of residual petroleum impacts based upon visual and olfactory inspection. No further action is required associated with reported Hurricane Sandy spill at this property. Spill is closed and cross-referenced to existing open spill numbers (1206177) at this site (referenced in DEC remarks dated 9/19/13)."

Remarks: "total 600 gallons - cleanup crew on scene"

All Materials:

Site ID:	471545
Operable Unit ID:	1221402
Operable Unit:	01
Material ID:	2220045
Material Code:	0021
Material Name:	transmission fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Site ID:	471545
Operable Unit ID:	1221402
Operable Unit:	01
Material ID:	2220047
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Site ID:	471545
Operable Unit ID:	1221402
Operable Unit:	01
Material ID:	2220046
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

M96
SE
< 1/8
0.053 mi.
278 ft.

CONEY ISLAND GARAGE DPR -DDC
WEST 25TH STREET & SURF AVENUE
BROOKLYN, NY

Site 7 of 12 in cluster M

NY LTANKS **S101658445**
N/A

Relative:
Higher

Actual:
3 ft.

LTANKS:

Name:	CONEY ISLAND GARAGE DPR -DDC
Address:	WEST 25TH STREET & SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9505745 / 2006-05-17
Facility ID:	9505745
Site ID:	217966
Spill Date:	1995-08-09
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	CLOSED TO CONSOLIDATE WITH 0550468
Reported to Dept:	1995-08-09
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-09-13
Spill Record Last Update:	2006-05-17
Spiller Name:	Not reported
Spiller Company:	NYC DEPT PARKS & REC
Spiller Address:	SAME
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	145449
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY Spill transferred from Kolleeny to I. Islam on 4/5/05. - JK 05/17/06: This spill case is transferred from I. Islam to J. Kolleeny and closed to consolidate with open spill number 0550468. That spill was opened by I. Islam on 6/15/05 because he was apparently unaware of the existence of this spill (9505745). Remediation of the site is being tracked under spill 0550468. - J. Kolleeny"
Remarks:	"DID BORINGS AROUND UNDERGROUND TANKS AND FOUND CONTAMINATION"

All Materials:

Site ID:	217966
Operable Unit ID:	1020658
Operable Unit:	01
Material ID:	569848
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00

CONEY ISLAND GARAGE DPR -DDC (Continued) **S101658445**

Units: G
Recovered: .00
Oxygenate: Not reported

M97 **CONEY ISLAND GARAGE DPR -DDC** **NY LTANKS** **S105996611**
SE **WEST 25TH STREET & SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.053 mi.
278 ft. **Site 8 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

LTANKS:

Name:	CONEY ISLAND GARAGE DPR -DDC
Address:	WEST 25TH STREET & SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0205550 / 2003-08-06
Facility ID:	0205550
Site ID:	172829
Spill Date:	2002-08-27
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2002-08-27
CID:	204
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2002-08-27
Spill Record Last Update:	2004-12-22
Spiller Name:	MR RAMOS
Spiller Company:	NEW YORK CITY PARKS
Spiller Address:	WEST 25TH STREET AT SURF
Spiller County:	001
Spiller Contact:	MIKE COLLINS
Spiller Phone:	(631) 586-4900
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	145449
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY/DEMEO Coney Island Garage located on the side of boardwalk, Parks & Recreation facility. Alex Z. instructed Mr. Ramos to excavate, repair and investigate and to notify Region 2 office of investigative findings 8/27/02. INVESTIGATION REVEALED FAULTY HOSE/NOZZLE CAUSED TANK TEST FAILURE; HOSE/NOZZLE WERE REPLACED AND TANK PASSED A RE-TEST ON NOVEMBER 13, 2002. OK TO CLOSE."
Remarks:	"TANK TEST FAILURE"

All TTF:

Facility ID:	0205550
Spill Number:	0205550

CONEY ISLAND GARAGE DPR -DDC (Continued) **S105996611**

Spill Tank Test:	1527404
Site ID:	172829
Tank Number:	3
Tank Size:	1000
Material:	0009
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	172829
Operable Unit ID:	858183
Operable Unit:	01
Material ID:	519750
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

M98 **CONEY ISLAND GARAGE DPR -DDC** **NY Spills** **S106968831**
SE **WEST 25TH STREET & SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.053 mi.
278 ft. **Site 9 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	CONEY ISLAND GARAGE DPR -DDC
Address:	WEST 25TH STREET & SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0550468 / 2017-07-25
Facility ID:	0550468
Facility Type:	ER
DER Facility ID:	145449
Site ID:	347726
DEC Region:	2
Spill Cause:	Other
Spill Class:	B3
SWIS:	2401
Spill Date:	1995-06-06
Investigator:	adzhitom
Referred To:	SEMI-ANNUAL MON CONTINUE
Reported to Dept:	2005-06-15
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-06-15
Spill Record Last Update:	2017-07-25
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	T. AHMAD (NYCDDC)
DEC Memo:	"8/10/05- The site's GW contamination was being addressed by injecting ORC in two events by URS Corp and O'Brien-Kreitzberg since 2001 with DEC's approval. URS performs semi-annual GW monitoring at the site and submit report to the Dept. Reviewed the report dated June 28, 2005 containing the GW sampling results from three monitoring wells (MW-01, MW-04 & MW-10).In March/05 semi-annual sampling event, only MW-10 was sampled and no compounds were detected. MW-01 was dropped from sampling for being under compliance for previous two consecutive sampling events. And, MW-04 was not sampled for increase of Free Product in the well which appeared first in Feb/04 sampling event. Absorbent Sock has been installed in this well and being monitored monthly. URS has been advised to check the upgradient well MW-03 as well for Free Product.Semi-annual sampling of MW-04 and MW-10 should continue.- II 10/12/05- Reviewed the semi-annual GW monitoring report through August/05. Only well MW-10 was sampled and was found under compliance. The well MW-04 could not be sampled for appearance of free product, and its treatment by absorbent sock. URS will continue monthly visit to gauge wells for free product.- II 3/09/06: This spill transferred from I. Islam to Q. Abidi. [05/17/06: This spill was opened by Imdadul Islam to track remediation of this site, because I. Islam was apparently unaware of the existence of spill 9505745 for this site. That spill has now been closed to consolidate with this spill. - J. Kolleeny] 7/27/06: DEC case lead transferred from Q. Abidi to J.A. Maisonave. - JAM 8/3/06 Reviewed Greyhawk/Roux Associates Semi-annual Monitoring report dated July 28, 2006. On May 10, 2006, Roux performed groundwater monitoring, which included gauging all accessible wells and sampling monitoring well MW-4. No free phase product was encountered in any wells. Groundwater flow direction is easterly towards the Atlantic Ocean. MW-4 showed levels of Benzene to be 20 ug/L, isopropyl benzene to be 7 ug/L and propylbenzene to be 15 ug/L. The total VOC concentration is 42 ug/L. Roux will continue to do semi-annual sampling of MW-4 and requests that monthly groundwater gauging be reduced to quarterly. - JAM 8/21/06 Wrote email to DDC and Roux Associates approving their recommendation to reduced gauging frequency from monthly to quarterly and continuing sampling of MW-4. - JAM 4/11/07 Reviewed the Semi-Annual Monitoring Report for period July through December 2006, submitted by Roux dated April 11, 2007. Groundwater contamination was treated with two rounds of ORC injections: the first on August 22, 2001 and the second on September 24, 2003. Quarterly gauging was conducted on August 8 and October 10 and 25, 2006. Product sheen was detected in MW-4 on October 10, and on Obtober 25, trace free-phase product (0.01 foot thickness) was

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

detected. A groundwater sample was collected from MW-4 on October 10, however, the analytical results could not be used because due to an invalid pH value. The previous sampling round conducted in May 2006 only showed total VOC concentration of 42ug/L in MW-4. Roux recommends the following tasks: attempt to locate well MW-4, which was paved over during the second quarter 2007, and continuing quarterly well gauging and semi-annual GW sampling and evaluate results for spill closure. The report is uploaded to eDocs. - JAM 11/13/07 Reviewed the Semi-Annual Monitoring Report for period January through June 2007, submitted by Roux dated October 26, 2007. On April 5, 2007, Roux gauged wells MW-01 through MW-03, MW-7 through MW-09 and MW-11. Wells MW-4 and MW-10 were paved over and are no longer accessible (well MW-4 historically had sheens and small amounts of free-product). No product was observed in any of the wells gauged. No groundwater samples were collected this period because well MW-4 was not accessed. Roux recommends replacing well MW-04, as per the work plan in appendix A, and continue quarterly gauging and semi-annual sampling. The report is uploaded to eDOcs. - JAM 8/4/09 Reviewed the Semi-annual Monitoring Report for period July 2007 through September 2008 submitted by Roux dated October 16, 2008. On October 24, 2007 and June 23, 2008, all accessible wells were gauged and no free product was observed. On June 23, 2008, wells Mw-02, MW-03, and MW-07 were sampled for VOCs and results were returned ND. Well RXMW-01 was installed on July 18, 2008, as a replacement for well MW-04, and sampled on July 28. Results showed benzene concentration of 12 ug/L and n-propylbenzene concentration of 9ug/L. An ORC sock was installed in well RXMW-01 to treat the low concentrations of VOCs. Roux recommends sampling all accessible monitoring wells during the next monitoring period and based on the results, they will petition for spill closure. The report is uploaded to eDocs. - JAM 8/4/09 Reviewed the Semi-annual Monitoring Report for period October 2008 through March 2009, submitted by Roux dated May 6, 2009. On December 26, 2008 all accessible wells were gauged and sampled, with the exception of MW-07 because it was submerged in a large puddle. No free product was observed in any well. VOCs were detected in wells MW-08 at 210ug/L, MW-11 at 10ug/L and RXMW-01 at 13ug/L. MW-08 had an exceedence for Napthalene and RXMW-01 had an exceedence for Benzene. An ORC sock was installed in well MW-08. Roux recommends continuing quarterly gauging of all accessible wells and semi-annual sampling in wells MW-08 and RXMW-01. Report is uploaded to eDocs. - JAM 11-10-2010 The spill was transferred from J. Maisonave to Alex Zhitomirsky, as per V. Brevdo/J. Kolleeny. AZ 6-6-2011 Reviewed Site turn-over status report and semi-annual monitoring report. Before MW-04 was paved over in 2007, VOC contaminants were detected but concentrations were decreasing. ORC injections were completed in 2003. ORC sock was in installed in RXMW-10 in 2008. An e-mail was sent to S. Frank/ F. Ashkan/ V. Brevdo: I have reviewed a site turn-over status report and semi-annual monitoring report dated 1/24/2011. The report stated that the closed in-place and removed USTs are not registered with NYSDEC PBS. Necessary paperwork must be submitted to DEC PBS and PBS records should be reconciled. The City should submit all necessary applications without delay. A monitoring well MW-08 exhibited very high levels of naphthalene (690 ppb). In order to achieve closure, this contamination should be addressed. USTs closed in place could be a source of this contamination. AZ 4-26-2012 The following e-mail was sent to S. Frank/V.Brevdo/F. Ashkan: Dear Steve, I have reviewed a

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

Work Plan submitted for the above site and have the following comments: 1. Soil map should be included in the Work Plan. 2. Soil borings should be installed near wells MW-7, MW-9, MW-10 and MW-11, since there is no information regarding the soil contamination in these areas. 3. Tanks and piping, including the remote fill piping closed in place, should excavated, if feasible. 4. Only one boring could be installed next to monitoring well MW-8. 5. A catch basin should be investigated since it could be a source of free product in RXMW-1. Please submit modified Work Plan to DEC. Sincerely, Alex Zhitomirsky 5-1-2012 An e-mail was sent to S. Frank/F. Ashkan/V. Brevdo: Dear Steve, Four tanks were closed in place and three tanks were removed at this site. The tanks are not registered with DEC. LiRo is working with the facility to obtain additional tank information. Please make sure that when the tanks information is finalized, the tanks taken out of service are registered with DEC. AZ 12-26-2012 Reviewed semi-annual monitoring report dated September 4, 2012. Naphthalene was reported in the monitoring well MW-08 at a concentration of 530 ppb. Naphthalene concentrations fluctuate. Currently the cause of this fluctuation is unknown since the well is located about 85' southwest of the UST area and no naphthalene presently detected in the UST area wells. Spill #0550468 is assumed not to be the source. Additional investigation is required to determine if soil or groundwater is affecting the dissolved phase VOC contamination levels. Removal of four USTs and associated piping is scheduled for October 2012. The following e-mail was sent to S. Frank/F. Ashkan/V. Brevdo: Dear Steve, I have reviewed a semi-annual monitoring report dated September 5, 2012. The report stated that Naphthalene was reported in the monitoring well MW-08 at a concentration of 530 ppb and the concentrations fluctuate. Currently the cause of this fluctuation is unknown since the well is located about 85' southwest of the UST area and no Naphthalene presently detected in the UST area wells. LiRo proposed installation of two additional soil borings near MW-08 to confirm that the soil surrounding the well is the source of the Naphthalene contamination in groundwater. However, several wells in the vicinity of MW-08 have not been analyzed for Naphthalene. Prior to the installation of the new borings, all wells should be analyzed for the presence of Naphthalene. Also, LiRo did not update DEC on the progress of free product removal in wells RXMW-01 and MW--01. A progress report should be submitted to DEC without delay. A closure report and end-point sampling report should be submitted to DEC upon the scheduled removal of the seven (7) USTs. Sincerely, Alexander Zhitomirsky 1-28-2014 The following e-mail was sent to S. Frank and V. Brevdo: Dear Steve, I have reviewed a semi-annual report for this site dated July 10, 2013. Free phase product identified as hydraulic oil was detected in MW-09 in January 2013. On February 13, 2013, LiRo performed enhanced fluid recovery on monitoring well MW-09. During the excavation of the USTs in September 2012, one excavation pit water sample was collected. Analytical results reported VOC exeedances for all listed VOCs. During excavation and removal of seven USTs in September 2012, ten soil samples were collected and analyzed. Minor VOCs concentrations were reported. Since free phase product was observed at the site, semi-annual monitoring should be continued. Monitoring wells ME-02 and MW-11 could be removed from the current sampling program since no exceedances were reported during the past eight monitoring periods. Sincerely, Alexander Zhitomirsky 6-17-2014 Reviewed a semi-annual monitring report dated Dec. 16, 2013. The report stated that

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

groundwater sampling was performed on Spetember 5, 2013. Monitoring well MW-03 reported unusually TVOC concentrations, an order of magnitude increase in VOC when compared to the previous monitoring period. Two soil borings near MW-08 to a proposed depth of 20' were installed to confirm that soil is not the source of naphtalene contamination. Results will be presented in the next monitoring reports. AZ 10-29-2014 Reviewed a semi-annual monitoring report and spill closure report dated 6-10-2014. I called S. Frank and discussed the report. The following should be submitted by LiRo: 1. information regarding remote fills piping (closed in place), 2. area west of the tank field was not investigated. Information about this area should be submitted to DEC 3. Historical analytical data obtained from the destroyed wells should be submitted to DEC 4.Free phase map should be submitted to DEC. Free phase historical distribution at the site was not properly reflected in the report's figures. AZ 4-16-2015 Reviewed a spill closure request dated 1/22/2015. I contacted S. Frank and requested historical groundwater data for two previously destroyed wells. AZ 12-23-2015 Reviewed a spill closure request dated 8/3/2015. This spill was opened when free-phase product was encountered in in well MW-4 associated with the former fueling system of the 550-gallon USTs which were previously closed in place and subsequently removed in September 2012. MW-04 was destroyed and eventually replaced with the well RXMW-01. Free-phase product was absent from well RXMW-01 since March 2012. There is very little water at this well. The total VOC dissolved-phase concentrations over the five sampling events (since September 2012) has been less than 20 ppb and was not detected in April 2015. I discussed the site with S. Frank. I have reiterated questions asked in October 2014: 1. remote fills piping and remote fills are not indicated on the plan 2. it appears that the west side of the tanks was not investigated. AZ 1-4-2016 Email from S. Frank: Dear Alex, In response to the questions you asked about Coney Island Garage, please see below: 1). Where is the location of the fill port? Available historical documents do not indicate where the former fill ports were located, only the remote fill lines are shown with a terminus not specifically marked as the fill port. We will propose completing two borings along the historically mapped fill lines as shown on the attached plan. 2). There is no sampling locations west within the playground-How can we address? The current open Spill No. 0550468 relates to the former fueling system (the 550-gallon gasoline/diesel USTs) which were located to the east of the current tanks/dispenser (shown on attached site plan) and free-phase product formerly reported in well MW-04 (since replaced with RXMW-01). Monitoring wells MW-01, MW-02 and MW-03 are west of the former tanks and RWMW-01 and show no significant impacts. These wells are located between the spill source and the playground to the west. The adjacent Poseidon Playground surface cover is concrete, therefore there is no potential exposure pathway at the playground. Based on these conditions, we do not believe that additional wells or borings are required at the playground. Let me know if you have any further questions, Steve 9-28-2016 Reviewed a semi-annual monitoring report dated 3/4/2016. This spill number was created as a result of the free-phase product in well MW-04 associated with the former fueling system of the 550-gallon USTs which were previously closed-in-place. These former USTs were removed in September 2012.MW-04 was destroyed and replaced with RXMW-01. Free-phase product has been absent from well RXMW-01 since March 2012. AZ 3-27-2016 Reviewed a semi-annual monitoring report dated 8/5/2016. This spill number was created as a

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

result of the free-phase product in well MW-04 associated with the former fueling system of the 550-gallon USTs which were previously closed-in-place. These former USTs were removed in September 2012.MW-04 was destroyed and replaced with RXMW-01. In March 2016 LiRo proposed to advance two soil borings to address DEC's concerns. AZ 7-21-2017 Reviewed a semi-annual monitoring report dated 1/6/2017. This spill number was created as a result of the free-phase product in well MW-04 associated with the former fueling system of the 550-gallon USTs which were previously closed-in-place. These former USTs were removed in September 2012. MW-04 was destroyed and replaced with RXMW-01. Free phase in this well was absent since March 2012. There is very little groundwater impact at this well. The total VOC dissolved phase concentrations has been less than 20 ppb. In March 2016 LiRo proposed to advance two soil borings to address DEC's concerns regarding the former fill port and piping. In August 2016, the two soil borings were advanced to investigate the former fill port and piping. No VOC impacts were recorded. The adjacent Poseidon Playground surface cover is concrete, therefore, there is no potential exposure pathway at the playground. Based on the most recent soil and groundwater data, LiRo recommended closure of this spill. AZ 7-25-2017 The following e-mail was sent to S. Frank and V. Brevdo: Dear Steve, I have reviewed a Semi- Annual Report for the above site for the period of June 2016 to November 2016. The report stated that the former USTs were removed in September 2012. MW-04 was destroyed and replaced with RXMW-01. Free phase in this well was absent since March 2012. There is very little groundwater impact at this well. The total VOC dissolved phase concentrations have been less than 20 ppb. In March 2016 LiRo proposed to advance two soil borings to address DEC's concerns regarding the former fill port and piping. In August 2016, the two soil borings were advanced to investigate the former fill port and piping. No VOC impacts were recorded. The adjacent Poseidon Playground surface cover is concrete, therefore, there is no potential exposure pathway at the playground. Based on the most recent soil and groundwater data, LiRo recommended closure of this spill. Based on this information spill # 0550468 is closed. The Department hereby reserves all of its rights concerning, and such forbearance shall not extend to, any further investigation or remedial action the Department deems necessary due to: I. The off-site migration of petroleum contaminants that was unknown at the time of this closure. II. Environmental conditions related to this spill case which were unknown to the Department at the time of this closure. III. Information received, in whole or part, after the Department's spill case closure, which indicates that corrective action was not sufficiently protective of human health and/or the environment. IV. Fraud in obtaining this spill case closure determination. As a precaution, we must bring your attention to our concerns for the future use of this site. If subsurface contamination is encountered while excavating for any construction activity, appropriate remedial and vapor mitigation efforts may need to be taken to fully prevent vapor intrusion into any site development and to ensure human health and safety. This spill closure does not exempt the Responsible Parties from compliance with any applicable laws and regulations. Please be advised that you should maintain a permanent file of all documentation and correspondence regarding this case for future use as the Department's files may not be maintained indefinitely. Sincerely, Alex Zhitomirsky - Engineering Geologist 2 NYS Department of Environmental Conservation 47-40 21st Street, Long

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

Island City, NY 11101 Phone: 718.482.6387 - Fax: 718.482.6390 Email: alexander.zhitomirsky@dec.ny.gov "
Remarks: ""

All Materials:
Site ID: 347726
Operable Unit ID: 1105408
Operable Unit: 01
Material ID: 1521231
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

M99 **CONEY ISLAND GARAGE** **NY Spills** **S108982563**
SE **WEST 25 & SURF AV** **N/A**
< 1/8 **BROOKLYN, NY**
0.053 mi.
278 ft. **Site 10 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

SPILLS:
Name: CONEY ISLAND GARAGE
Address: WEST 25 & SURF AV
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 0711419 / 2008-02-06
Facility ID: 0711419
Facility Type: ER
DER Facility ID: 342490
Site ID: 392899
DEC Region: 2
Spill Cause: Human Error
Spill Class: C4
SWIS: 2401
Spill Date: 2008-01-30
Investigator: smsanges
Referred To: Not reported
Reported to Dept: 2008-01-30
CID: 444
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: Not reported
UST Trust: Not reported
Remediation Phase: 0
Date Entered In Computer: 2008-01-30
Spill Record Last Update: 2008-02-06
Spiller Name: Not reported
Spiller Company: STAR ENERGY TRANSPORT
Spiller Address: Not reported
Spiller Company: 999

CONEY ISLAND GARAGE (Continued) **S108982563**

Contact Name: JOE
DEC Memo: "spill contained - all cleaned"
Remarks: "driver hooked up to wrong fill line and caused spill crew on scene cleaning: all concrete"

All Materials:
Site ID: 392899
Operable Unit ID: 1149875
Operable Unit: 01
Material ID: 2140439
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 10.00
Units: G
Recovered: .00
Oxygenate: Not reported

M100 **CONSTRUCTION SITE** **NY Spills** **S112226819**
SE **3026 W25TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.057 mi.
301 ft. **Site 11 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

SPILLS:
Name: CONSTRUCTION SITE
Address: 3026 W25TH ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 1206177 / 2015-12-23
Facility ID: 1206177
Facility Type: ER
DER Facility ID: 423465
Site ID: 469168
DEC Region: 2
Spill Cause: Unknown
Spill Class: C4
SWIS: 2401
Spill Date: 2012-09-21
Investigator: adzhitom
Referred To: FREE PHASE FOUND INVESTIGATION REQUESTED
Reported to Dept: 2012-09-21
CID: Not reported
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2012-09-21
Spill Record Last Update: 2015-12-23
Spiller Name: GABE RAMOS
Spiller Company: NYC DEPT OF PARKS
Spiller Address: 3026 W25TH ST

CONSTRUCTION SITE (Continued) **S112226819**

Spiller Company: 999
Contact Name: WILLIAM KLEIN
DEC Memo: "5-21-2013 As per conversation with S. Sangesland, this spill was assigned to Alex Zhitomirsky 5-23-2013 Reviewed Underground Storage Tank Closure Report. Franklin removed seven USTs and associated piping. During sampling of the groundwater a strong odor was present and free-phase product was visible on the surface. Groundwater was encountered at 5.5 ft. bgs. Based on the evidence of petroleum leakeage, further soil and groundwater investigation was recommended. AZ The following e-mail was sent to S. Frank/F. Ashkan/v. BREVDO: Dear Steve, I have reviewed Underground Storage Tank Closure Report. Franklin removed seven USTs and associated piping. During sampling of the groundwater a strong odor was present and free-phase product was visible on the surface. Groundwater was encountered at 5.5 ft. bgs. Based on the evidence of petroleum leakage, further soil and groundwater investigation was recommended. This recommendation is approved. A Work Plan should be submitted to DEC for review. Sincerely, Alexander Zhitomirsky 11/17/13 TJD Spill #1208483 closed and cross-referenced to open spill file (1206177). 12-23-2015 Reviewed Semi-Annual Monitoring Report dated 8-3-2015. The spill was reported based on the tank closure results from a groundwater grab sample collected in September 2012. At that time, two 1,000 gallon diesel and one 1,000 gallon gasoline USTs were removed. Since 2006 no site wells have reported dissolved-phase contamination at levels reported in the tank closure groundwater grab sample. At the three monitoring wells surrounding the tank area (MW-01, MW-02 and MW-03) dissolved-phase contamination have ranged from non-detect to 268 ppb since October 2009. In April 2015 contaminant concentrations were non-detect.Based upon results of the sampling, LiRo recommended closure of spill # 1206177. DEC concurred with this request. The following letter was sent to S. Frank and V. Brevdo: Dear Steve, I have reviewed the Semi-Annual Monitoring Report dated 08/3/2015. The spill was reported based on the tank closure results from a groundwater grab sample collected in September 2012. At that time, two 1,000 gallon diesel and one 1,000 gallon gasoline USTs were removed. Since 2006 no site wells have reported dissolved-phase contamination at levels reported in the tank closure groundwater grab sample. At the three monitoring wells surrounding the tank area (MW-01, MW-02 and MW-03) dissolved-phase contamination have ranged from non-detect to 268 ppb since October 2009. During April 2015 sampling event contaminant concentrations were non-detect. Based upon results of the sampling, LiRo recommended closure of spill # 1206177. I concur with this request. The Department hereby reserves all of its rights concerning, and such forbearance shall not extend to, any further investigation or remedial action the Department deems necessary due to: I. The off-site migration of petroleum contaminants that was unknown at the time of this closure. II. Environmental conditions related to this spill case which were unknown to the Department at the time of this closure. III. Information received, in whole or part, after the Department's spill case closure, which indicates that corrective action was not sufficiently protective of human health and/or the environment. IV. Fraud in obtaining this spill case closure determination. As a precaution, we must bring your attention to our concerns for the future use of this site. If subsurface contamination is encountered while excavating for any construction activity, appropriate remedial and vapor mitigation efforts may need to be taken to fully prevent vapor intrusion into

CONSTRUCTION SITE (Continued) **S112226819**

any site development and to ensure human health and safety. This spill closure does not exempt the Responsible Parties from compliance with any applicable laws and regulations. Please be advised that you should maintain a permanent file of all documentation and correspondence regarding this case for future use as the Department's files may not be maintained indefinitely. Sincerely, Alex Zhitomirsky - Engineering Geologist 2 "

Remarks: "Digging at construction site and discovered old tank with soil contaminated with Gas or Diesel fuel. Tanks are being removed."

All Materials:

Site ID:	469168
Operable Unit ID:	1219065
Operable Unit:	01
Material ID:	2217528
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

O101 **NYCHA - SURFSIDE GARDENS HOUSES** **RCRA NonGen / NLR** **1001493635**
ESE **2926 W 25TH ST** **FINDS** **NYR000075267**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.058 mi.
305 ft. **Site 5 of 5 in cluster O**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - SURFSIDE GARDENS HOUSES	
Handler Address:		2926 W 25TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224-2516
EPA ID:		NYR000075267
Contact Name:		FRANK OCELLO
Contact Address:		BROADWAY
Contact City,State,Zip:		NEW YORK, NY 10007-2516
Contact Telephone:		212-306-3229
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007-2516
Owner Name:	NYCHA	
Owner Type:		Municipal
Operator Name:	NYCHA	

NYCHA - SURFSIDE GARDENS HOUSES (Continued) **1001493635**

Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

NYCHA - SURFSIDE GARDENS HOUSES (Continued) **1001493635**

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060101
Handler Name:	NYCHA - SURFSIDE GARDENS HOUSES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date: 20070101

NYCHA - SURFSIDE GARDENS HOUSES (Continued) **1001493635**

Handler Name: NYCHA - SURFSIDE GARDENS HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990812
Handler Name: NYCHA - SURFSIDE GARDENS HOUSES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004555552

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001493635
Registry ID: 110004555552
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004555552
Name: NYCHA - SURFSIDE GARDENS HOUSES

NYCHA - SURFSIDE GARDENS HOUSES (Continued) **1001493635**

Address: 2926 W 25TH ST
City,State,Zip: BROOKLYN, NY 11224

P102 **NYNEX** **NY MANIFEST** **1009233317**
NNE **W 27TH ST & NEPTUNE AVE** **N/A**
< 1/8 **BROOKLYN, NY 11201**
0.062 mi.
325 ft. **Site 1 of 2 in cluster P**

Relative: **Lower**
Actual: **1 ft.**

NY MANIFEST:

Name:	NYNEX
Address:	W 27TH ST & NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11201
Country:	USA
EPA ID:	NYP000913533
Facility Status:	Not reported
Location Address 1:	W 27TH ST & NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11201
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP000913533
Mailing Name:	NYNEX
Mailing Contact:	J CHAKALOS
Mailing Address 1:	1095 AVE OF AMER-RM 3025
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10036
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2123958544

M103 **HABER HOUSES (CAREY GARDENS)** **NY LTANKS** **U001840667**
SE **3033 WEST 25TH STREET** **NY UST** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY Spills**
0.062 mi.
329 ft. **Site 12 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

LTANKS:

Name:	HABER HOUSES -NYCHA
Address:	3033 WEST 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9608836 / 2005-10-24
Facility ID:	9608836
Site ID:	196664
Spill Date:	1996-10-16
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	Not reported

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

SWIS:	2401
Investigator:	SWKRASZE
Referred To:	Not reported
Reported to Dept:	1996-10-16
CID:	270
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1996-10-16
Spill Record Last Update:	2005-10-24
Spiller Name:	DAVE FORTE
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	DAVE FORTE
Spiller Phone:	(212) 306-3233
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	163711
DEC Memo:	"10/24/05: This spill closed to consolidate with open spill #9900570. S.Kraszewski"
Remarks:	"no comments"

All TTF:

Facility ID:	9608836
Spill Number:	9608836
Spill Tank Test:	1544817
Site ID:	196664
Tank Number:	1
Tank Size:	25010
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	196664
Operable Unit ID:	1036977
Operable Unit:	01
Material ID:	344573
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

Recovered: .00
Oxygenate: Not reported

UST:
Name: HABER HOUSES (CAREY GARDENS)
Address: 3033 WEST 25TH STREET
City,State,Zip: BROOKLYN, NY 11224
Id/Status: 2-473928 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 03/28/2024
UTM X: 585376.48916
UTM Y: 4491790.92977
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20864
Affiliation Type: Facility Owner
Company Name: NYC HOUSING AUTHORITY
Contact Type: COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5806
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2021-06-17

Site Id: 20864
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: FUEL OIL REMEDIATION COORDINATOR
Address1: 23-02 49TH AVENUE
Address2: TECH SERVS DEPT - 5TH FLOOR
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: RYAN.MCPHERSON@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: LXZIELIN
Date Last Modified: 2020-05-01

Site Id: 20864
Affiliation Type: Facility Operator
Company Name: HABER HOUSES (CAREY GARDENS)
Contact Type: Not reported
Contact Name: FUEL OIL REMEDIATION UNIT

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2014-01-31

Site Id:	20864
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	718-707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2008-12-31

Tank Info:

Tank Number:	1
Tank ID:	57253
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	10000
Install Date:	05/01/1999
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

E04 - Piping Secondary Containment - Double walled UG
C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
B04 - Tank External Protection - Fiberglass
I02 - Overfill - High Level Alarm

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
F05 - Pipe External Protection - Jacketed
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Number:	OLD 1
Tank ID:	37553
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	25000
Install Date:	10/01/1965
Date Tank Closed:	05/01/1999
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	02/01/1991
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

SPILLS:

Name:	HABER HOUSES -NYCHA
Address:	3033 WEST 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9900570 / 2016-01-27
Facility ID:	9900570
Facility Type:	ER
DER Facility ID:	163711
Site ID:	205913
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	2401
Spill Date:	1999-04-15

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

Investigator:	jkkann
Referred To:	CLOSURE POSSIBLE. NEED REVISED TABLES
Reported to Dept:	1999-04-15
CID:	270
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-04-15
Spill Record Last Update:	2016-01-27
Spiller Name:	CALLER
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	250 BROADWAY
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Transferred from Krimgold to Kolleeny on 3/24/05. - JK 11/29/05: This spill transferred from J.Kolleeny to S.Kraszewski. 02/02/06: This spill transferred from S.Kraszewski to Q.Abidi. 04/04/06: This spill transferred from Q. Abidi to Koon Tang. 09/23/10: J.Kann - spill transferred from K. Tang to J.Kann. 3/10/11: J.Kann - Investigative work plan submitted on 3/3/11. 5/14/15: J.Kann - IWP approved. One soil sample per boring for analysis and min 3 groundwater samples. SIR due 11/14/15. 10/14/15: J.Kann -site included in the NYCHA Sandy recovery list and is slated for UST removal. Brief summary provided to Thomas Larison 518-785-2361 of CBI today in an email. 1/5/16: J.Kann - spoke with Tyler Goodnough of Ecosystem Strategies (845-452-1658) on 12/7 regarding this spill. Originally he did not collect groundwater samples at the site, however some minor contamination was in the laboratory data. I informed him that groundwater samples were to be taken regardless of field observations as per my email to NYCHA on 5/14/15. Tyler agreed to go out and collect groundwater samples from the two locations where minor exceedences were noted. The Summary Report of Subsurface Investigation was submitted to the Department on 1/4/16 and is under review. Sent an email to the consultant to revise the tables in the report to reflect the correct sampling date. Four borings were advanced and two temporary wells installed. Minor PAH exceedences were present in the soil borings, but groundwater did not have any exceedences of TOGS 1.1.1. NFA once revised tables are received. 1/6/16: J.Kann - revised tables were received and report decdoced. Tank/primary source removal occurred in 1999 and no impact to groundwater from current investigation as mentioned above. In addition, no field screening indicated petroleum contamination (no PID readings, odors or sheen on soils). 1/26/16: J.Kann - spill closed. 1/26/16: J.Kann "
Remarks:	"contaminated soil discovered during tank pull"

All Materials:

Site ID:	205913
Operable Unit ID:	1079330
Operable Unit:	01
Material ID:	307699
Material Code:	0001A

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Q104 **POLE 63537** **NY Spills** **S106867172**
East **2877 W 27 ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.064 mi.
338 ft. **Site 1 of 2 in cluster Q**

Relative: **Lower**

Actual: **2 ft.**

SPILLS:

Name:	POLE 63537
Address:	2877 W 27 ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0412990 / 2005-06-01
Facility ID:	0412990
Facility Type:	ER
DER Facility ID:	273954
Site ID:	338612
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2005-03-13
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	2005-03-13
CID:	64
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-03-14
Spill Record Last Update:	2005-06-01
Spiller Name:	ERT DESK
Spiller Company:	Con Ed
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	ERT DESK
DEC Memo:	"e2mis no 157572 3/13/05 - 1805hrs - John Dalessio # 75894 Trouble Shooter HV #9 found 1 qt oil leaked from Transformer on Pole # 63537. Upon arrival no Fire Dept on location - although Fire Dept did rope off area and secured same. No sewers or waterways appear to be affected. Substance owned by ConEd. It appears that a 3'x15' area of concrete has been affected by this spill and Env. Ops crew is being dispatched to start cleanup. Addtl #9 crew dispatched to location to assist in securing the transformer by checking manufacturers tag on tub and to bag same. Env. Ops OS A. Walker notified and will go to

POLE 63537 (Continued) **S106867172**

location. Update - 2010hrs Dalessio reports states mfr tags on tub reads mineral oil <1 ppm pcb date is 10/89 serial Kuhlman # 4023100789. Tub has been bagged. Leak is secured. Tub will be removed at a later time. Clean up in progress by env. ops. UPDATE: 3/14/05 - 2300 S. ADEDAPO - ENV. OPS., REPORTS CLEANUP COMPLETED BY DOUBLE WASHING AREA WITH BIO GEN 760. INCIDENT REMAINS OPEN UNTIL TRANSFORMER IS REPLACED UPDATE 15-MAR-2005 14:00 HRS. O.S. S.NICOLELLA EMP# 32192 REPORTS: CREW BAGGED / REMOVED DEFECTIVE 3 PHASE 150 TRANSFORMER FROM EQUIPTMENT POLE# 63537 . UNIT WAS TRANSPORTED TO NEPTUNE YARD. CLEANUP COMPLETE 100%. "

Remarks: "Cleanup pending crew arrival."

All Materials:

Site ID:	338612
Operable Unit ID:	1100547
Operable Unit:	01
Material ID:	580839
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

105
WSW
< 1/8
0.067 mi.
356 ft.

MANHOLE 67445 **NY Spills** **S104192836**
WEST 32ND ST &MERMAID AV **N/A**
BROOKLYN, NY

Relative: Higher

Actual: 10 ft.

SPILLS:

Name:	MANHOLE 67445
Address:	WEST 32ND ST &MERMAID AV
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9904503 / 2002-04-04
Facility ID:	9904503
Facility Type:	ER
DER Facility ID:	106251
Site ID:	122561
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	1999-07-16
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-07-16
CID:	388
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False

MANHOLE 67445 (Continued) **S104192836**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-07-16
Spill Record Last Update:	2002-04-04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL "
Remarks:	"caller reports sheen on water in the manhole. con ed #126548 sample taken cleanup pending."

All Materials:

Site ID:	122561
Operable Unit ID:	1078942
Operable Unit:	01
Material ID:	304383
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

R106 **SURF AVE & W 32ND ST** **NY Spills** **S102239763**
SSW **SURF AVE & W 32ND ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.069 mi.
363 ft. **Site 1 of 2 in cluster R**

Relative: **Higher**

Actual: **5 ft.**

SPILLS:

Name:	SURF AVE & W 32ND ST
Address:	SURF AVE & W 32ND ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9601008 / 2004-08-17
Facility ID:	9601008
Facility Type:	ER
DER Facility ID:	92369
Site ID:	104568
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1996-04-20
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1996-04-20
CID:	207
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False

SURF AVE & W 32ND ST (Continued) **S102239763**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-04-20
Spill Record Last Update:	2004-08-17
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	MR FRIER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT 8/17/04: Con Ed submitted copy of April 19, 1996 DEP notification letter, which states: 1 pt. of oil from an unknown source (possibly from a retired 4KV switch). Absorbent pads are used to contain and remove oil from M/H. **** UPDATE 04/21/96 0216 Hrs: Analysis returned with <lppm PCB's **** Update 04/21/96 0500 Hrs: Cleanup completed at 0445 Hrs. Close out. (JHO)"
Remarks:	"poss from retired 4kv switch - product was in a tidal affected manhole - 1 qt total - cleanup in progress "

All Materials:

Site ID:	104568
Operable Unit ID:	1028644
Operable Unit:	01
Material ID:	350840
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

S107 **CON EDISON - MANHOLE 36378** **RCRA-LQG** **1016150011**
NW **2930 NEPTUNE AVE** **NYP004286803**
< 1/8 **BROOKLYN, NY 11224**
0.077 mi.
406 ft. **Site 1 of 3 in cluster S**

Relative: **Higher**
Actual: **5 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 36378
Handler Address:	2930 NEPTUNE AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004286803
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator

CON EDISON - MANHOLE 36378 (Continued) **1016150011**

Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

CON EDISON - MANHOLE 36378 (Continued) **1016150011**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130201
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130201
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140327
Handler Name:	CON EDISON - MANHOLE 36378
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

CON EDISON - MANHOLE 36378 (Continued) **1016150011**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130201
Handler Name: CON EDISON MANHOLE: 36378
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

S108 **CON EDISON** **NY MANIFEST** **S119073524**
NW **2930 NEPTUNE AVE FRONT OF** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.077 mi.
406 ft. **Site 2 of 3 in cluster S**

Relative: Higher
Actual: 5 ft.

NY MANIFEST:
Name: CON EDISON
Address: 2930 NEPTUNE AVE FRONT OF
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004286803
Facility Status: Not reported
Location Address 1: 2930 NEPTUNE AVE
Code: BP
Location Address 2: MH 36378
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11218
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004286803
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE - 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK

CON EDISON (Continued) **S119073524**

Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/01/2013
Trans1 Recv Date:	02/01/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/05/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004286803
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002016008GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	600
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

109 ESE < 1/8 0.081 mi. 430 ft. | **MANHOLE #36348**
W 25TH ST & MERMAID AVE
STATEN ISLAND, NY | **NY Spills** | **S105236716**
N/A

Relative: Lower

Actual: 2 ft.

SPILLS:

Name:	MANHOLE #36348
Address:	W 25TH ST & MERMAID AVE
City,State,Zip:	STATEN ISLAND, NY
Spill Number/Closed Date:	0109293 / 2002-02-19
Facility ID:	0109293
Facility Type:	ER
DER Facility ID:	134276
Site ID:	158893
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	4301
Spill Date:	2001-12-19
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	2001-12-20
CID:	257
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-20
Spill Record Last Update:	2002-02-19
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BILL MURPHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL "
Remarks:	"2 quarts on 200 gals of water - sample taken - claen pending a tanker to pump manhole ref #140634 - was place on 24hr program at 7:30 today "

All Materials:

Site ID:	158893
Operable Unit ID:	847655
Operable Unit:	01
Material ID:	530503
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

T110 **POLE 20462** **NY Spills** **S106970549**
West **OPP 2867 W 32 ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.084 mi.
441 ft. **Site 1 of 3 in cluster T**

Relative:
Higher

Actual:
10 ft.

SPILLS:

Name:	POLE 20462
Address:	OPP 2867 W 32 ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0505838 / 2005-10-12
Facility ID:	0505838
Facility Type:	ER
DER Facility ID:	298026
Site ID:	350939
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2005-08-11
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	2005-08-11
CID:	64
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-08-12
Spill Record Last Update:	2005-10-12
Spiller Name:	ERT DESK
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	ERT DESK’
DEC Memo:	"160439. 8/11/05 2030 HRS. W.BINGHAM #15472 O.S. #9 REPORTS FOUND TRANSFOMER ON P#20462 LEAKED APPROX 1-QUART OF DIELECTRIC FLUID ONTO ASPHALT AT OPP 2867 W 32 ST. IT IS CONTAINED. NO SEWERS OR WATERWAYS AFFECTED. NO FIRE OR SMOKE OR PRIVATE PROPERTY INVOLVED. TRANSFORMER NOT LEAKING AT THIS TIME. WAITING FOR #9 CREW TO CHECK TRANSF FOR PCB LABEL. Closed. 10-12-05. see eDocs. GB"
Remarks:	"1 quart. Environmental crews being dispatched. 160439= con ed number."

All Materials:

Site ID:	350939
Operable Unit ID:	1108476
Operable Unit:	01
Material ID:	2098416
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G

POLE 20462 (Continued) **S106970549**

Recovered: .00
Oxygenate: Not reported

S111 **OVERHEAD POLE 69014** **NY Spills** **S111064942**
NW **2822 WEST 30TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.091 mi.
478 ft. **Site 3 of 3 in cluster S**

Relative: **Higher**
Actual: **6 ft.**

SPILLS:

Name:	OVERHEAD POLE 69014
Address:	2822 WEST 30TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1103086 / 2011-08-11
Facility ID:	1103086
Facility Type:	ER
DER Facility ID:	405196
Site ID:	450635
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2011-06-17
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2011-06-17
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2011-06-17
Spill Record Last Update:	2011-08-11
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"8/11/11 - Austin - 2 gal. trans. fluid spill onto sidewalk from pole transformer - Con Ed contained and cleaned up the spill - See eDocs documents for more information - Spill closed - end"
Remarks:	"cleanup pending - all on concrete -"

All Materials:

Site ID:	450635
Operable Unit ID:	1200839
Operable Unit:	01
Material ID:	2197261
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum

OVERHEAD POLE 69014 (Continued) **S111064942**

Quantity: 2.00
Units: G
Recovered: Not reported
Oxygenate: Not reported

Q112 **CON EDISON** **NY MANIFEST** **S117738092**
East **MERMAID AVE AND W 25 ST** **N/A**
< 1/8 **BROOKLYN, NY 11235**
0.092 mi.
488 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:
Name: CON EDISON
Address: MERMAID AVE AND W 25 ST
City,State,Zip: BROOKLYN, NY 11235
Country: USA
EPA ID: NYP004703559
Facility Status: Not reported
Location Address 1: MERMAID AVE AND W 25 ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11235
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004703559
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL
Mailing Address 2: 15TH FL
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 12/05/2014
Trans1 Recv Date: 12/05/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/10/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004703559
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NJD991291105

CON EDISON (Continued) **S117738092**

TSDF ID 2:	Not reported
Manifest Tracking Number:	002618642GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	3000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

P113 **FIRE HOUSE ENG. 318** **NY AST** **A100177833**
NE **2510 NEPTUNE AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.095 mi.
503 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
1 ft.

AST:

Name:	FIRE HOUSE ENG. 318
Address:	2510 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-600520
Program Type:	PBS
UTM X:	585228.60826
UTM Y:	4492389.39899
Expiration Date:	N/A
Site Type:	Other

Affiliation Records:

Site Id:	22501
Affiliation Type:	Facility Owner
Company Name:	NYC FIRE DEPARTMENT
Contact Type:	Not reported

FIRE HOUSE ENG. 318 (Continued) **A100177833**

Contact Name:	Not reported
Address1:	30-30 THOMPSON STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 391-1064
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	22501
Affiliation Type:	Mail Contact
Company Name:	BUILDINGS MAINTENANCE DIVISION
Contact Type:	Not reported
Contact Name:	DIRECTOR
Address1:	FIRE DEPARTMENT
Address2:	48-34 35TH STREET
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-6510
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	22501
Affiliation Type:	Facility Operator
Company Name:	FIRE HOUSE ENG. 318
Contact Type:	Not reported
Contact Name:	COMPANY OFFICER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 965-8318
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	22501
Affiliation Type:	Emergency Contact
Company Name:	NYC FIRE DEPARTMENT
Contact Type:	Not reported
Contact Name:	EOC/NOTIFICATION DESK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

FIRE HOUSE ENG. 318 (Continued) **A100177833**

Country Code:	999
Phone:	(718) 999-2094
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2018-03-12

Tank Info:

Tank Number:	002
Tank Id:	42897
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	diesel

Tank Number:	1
Tank Id:	42896
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

FIRE HOUSE ENG. 318 (Continued) **A100177833**

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/01/1976
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/01/2001
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

U114 **CON EDISON** **NY MANIFEST** **S117737527**
ESE **3000 W 24TH ST** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.100 mi.
526 ft. **Site 1 of 9 in cluster U**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	3000 W 24TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004661005
Facility Status:	Not reported
Location Address 1:	3000 W 24TH ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004661005
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported

CON EDISON (Continued) **S117737527**

Generator Ship Date:	09/18/2014
Trans1 Recv Date:	09/18/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/18/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004661005
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002617401GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

U115 **CON EDISON** **NY MANIFEST** **S117318046**
SE **2410 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.102 mi.
540 ft. **Site 2 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

NY MANIFEST:

Name:	CON EDISON
Address:	2410 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004655387
Facility Status:	Not reported
Location Address 1:	2410 SURF AVE
Code:	BP

CON EDISON (Continued) **S117318046**

Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004655387
Mailing Name:	CON EDISON
Mailing Contact:	TOM TELLING
Mailing Address 1:	4 IRVING PLACE-15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	09/11/2014
Trans1 Recv Date:	09/11/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004655387
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	013243931JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1500

CON EDISON (Continued) **S117318046**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

U116 **NOTH CRAB COMPARTMENT** **NY Spills** **S103939035**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 3 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	NOTH CRAB COMPARTMENT
Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903685 / 2000-05-18
Facility ID:	9903685
Facility Type:	ER
DER Facility ID:	127109
Site ID:	149422
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-06
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL Con ed e2mis notes: He found approx. 1 oz unknown oil on 2000 gallons of water. <1.00 ppm Cleanup complete and tag removed. Incident is closed. "
Remarks:	"CLEANUP PENDING SAMPLE RESULTS."

NOTH CRAB COMPARTMENT (Continued) **S103939035**

All Materials:

Site ID:	149422
Operable Unit ID:	1082603
Operable Unit:	01
Material ID:	303594
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U117 **TRANSFORMER VAULT VS5808** **NY Spills** **S103939033**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 4 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	TRANSFORMER VAULT VS5808
Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903683 / 2000-05-18
Facility ID:	9903683
Facility Type:	ER
DER Facility ID:	127109
Site ID:	149420
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-07
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL Con ed e2mis notes: Approx 1 oz unknown oil on 1800 gallons

TRANSFORMER VAULT VS5808 (Continued) **S103939033**

of water. Transf tested good, transf pcb record is 10 ppm. <1ppm lab. Cleanup complete and tag removed. Incident is closed. Approx 1 oz unknown oil on 1800 gallons of water. He pressure tested transf and transf tested good. Transf pcb record is 10 ppm. <1ppm cleanup completed and tag removed. Incident is closed. A liquid sample was taken. "

Remarks: "CLEANUP PENDING SAMPLE RESULTS."

All Materials:

Site ID:	149420
Operable Unit ID:	1078248
Operable Unit:	01
Material ID:	303592
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U118 **VS 5762** **NY Spills** **S106736172**
ESE **WEST 24TH /SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 5 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	VS 5762
Address:	WEST 24TH /SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0410239 / 2005-04-22
Facility ID:	0410239
Facility Type:	ER
DER Facility ID:	270381
Site ID:	335158
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2004-12-14
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	2004-12-15
CID:	444
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-12-15
Spill Record Last Update:	2005-04-22

VS 5762 (Continued) **S106736172**

Spiller Name:	ERT DESK
Spiller Company:	VS 5762
Spiller Address:	WEST 24TH /SURF AVE
Spiller Company:	001
Contact Name:	ERT DESK
DEC Memo:	"e2mis 156570 12/14/05 - 0925 K. DAVIS REPORTS FINDING APPROX 3 PTS OF AN UNKNOWN OIL ON APPROX 3000 GALS OF WATER IN VS5762 (FDR 11B09). SPILL IS CONTAINED. NO SEWERS OR WATERWAYS AFFECTED. NO SEWER CONNECTIONS. NO SUMPS. NO MOVEMENT IN THE WATER. TRANSF WAS INSTALLED 2/2/94. HISTORICAL PCB COUNT IS 9 PPM DTD 5/7/95. OIL LEVEL IS 25+. TEMP IS 30. TRANSFORMER IS PRESENTLY BEINBG PRESSURE TESTED. Lab Sequence Number: 04-10380-001 - PCBs < 1 ppm UPDATE: 12/15/04 - 1500 D. BANKHEAD - ENV. OPS., REPORTS CLEANUP COMPLETED BY DOUBLE WASHING STRUCTURE WITH BIO GEN 760. LIQUID WASTE REMOVED BY TANKER. SUMP FOUND CEMENTED. TAG REMOVED."
Remarks:	"3 pints unknown oil on 3000 gallons of water: no to 5 questions; while cleaning up it filled up to fast, pending additional resourses: coned # 156570: coming off 24 hour clock"

All Materials:

Site ID:	335158
Operable Unit ID:	1097263
Operable Unit:	01
Material ID:	577236
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U119 **TRANSFORMER VAULT #VS576** **NY Spills** **S103939031**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 6 of 9 in cluster U**

Relative: **Higher**
Actual: **3 ft.**

SPILLS:

Name:	TRANSFORMER VAULT #VS576
Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903681 / 2000-05-18
Facility ID:	9903681
Facility Type:	ER
DER Facility ID:	127109
Site ID:	149418
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252

TRANSFORMER VAULT #VS576 (Continued) **S103939031**

Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-06
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL con ed e2mis notes: 1 oz unknown oil on 1800 gallons water. He pressure tested transf and it tested ok. Record of pcb is 9ppm. <1ppm lab seq 3 99-06815. Cleanup complete incident is closed. He sees no sump or sewer connection. Starting cleanup. Cleanup complete and tag removed. Incident is closed. "
Remarks:	"CLEAN UP PENDING SAMPLE RESULTS."

All Materials:

Site ID:	149418
Operable Unit ID:	1078246
Operable Unit:	01
Material ID:	303590
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U120 **VAULT #5747** **NY Spills** **S103829530**
ESE **W 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 7 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	VAULT #5747
Address:	W 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9815441 / 1999-04-14
Facility ID:	9815441
Facility Type:	ER
DER Facility ID:	185156
Site ID:	224009
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401

VAULT #5747 (Continued) **S103829530**

Spill Date:	1999-03-29
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-03-29
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-03-29
Spill Record Last Update:	2000-06-19
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	STEVE ROMERO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL CON ED E2MIS NOTES Undiaperable sheen of oil found on 350 gals. of water in V5747. Contained. No sewers or waterways affected. sample taken on a 4-6 hr. turnaround, unit pressure tested, ok. Tag #08247 placed. Crew sent to locaton for transformer removal. 3-30-99 18:42 Flush OPS reports cleanup complete and tag removed. Incident Closed."
Remarks:	"MATERIAL CONTAINED IN MANHOLE IN VAULT-PENDING TEST RESULTS CLEANUP WILL TAKE PLACE-CON ED #123926"

All Materials:

Site ID:	224009
Operable Unit ID:	1073455
Operable Unit:	01
Material ID:	308547
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U121 **SOUTH CRAB COMPARTMENT** **NY Spills** **S103939034**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 8 of 9 in cluster U**

Relative: SPILLS:
Higher

Actual: Name:	SOUTH CRAB COMPARTMENT
3 ft. Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903684 / 2000-05-18
Facility ID:	9903684

SOUTH CRAB COMPARTMENT (Continued) **S103939034**

Facility Type:	ER
DER Facility ID:	127109
Site ID:	149421
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-06
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT con ed e2mis notes: Approx. 1 oz unknown oil on 3000 gallons of water. <1.00 ppm. Env. Ops. reports <1.0 ppm cleanup complete and tag removed. Incident is closed. "
Remarks:	"CLEAN UP PENDING SAMPLE RESULTS."

All Materials:

Site ID:	149421
Operable Unit ID:	1078249
Operable Unit:	01
Material ID:	303593
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U122 **TRANSFORMER VAULT VS5747** **NY Spills** **S103939032**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 9 of 9 in cluster U**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	TRANSFORMER VAULT VS5747
Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903682 / 2000-05-18
Facility ID:	9903682
Facility Type:	ER
DER Facility ID:	127109
Site ID:	149419
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-06
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT con ed e2mis notes: approx 1 oz unknown oil on 1800 gallons of water. He pressure tested transf. Tranf pcb record is 12 ppm. <1ppm, cleanup complete, incident is closed. "
Remarks:	"CLEANUP PENDING SAMPLE RESULTS."

All Materials:

Site ID:	149419
Operable Unit ID:	1078247
Operable Unit:	01
Material ID:	303591
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

V123 **O'DWYER GARDENS (SURFSIDES)** **NY LTANKS** **U000410712**
SW **2959 WEST 33RD STREET** **NY UST** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY Spills**
0.112 mi.
592 ft. **Site 1 of 7 in cluster V**

Relative:
Higher

Actual:
8 ft.

LTANKS:

Name:	O'DWYER GARDENS -NYCHA
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9107041 / 1995-04-26
Facility ID:	9107041
Site ID:	148893
Spill Date:	1991-10-01
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1995-04-26
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1991-10-01
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1991-10-04
Spill Record Last Update:	2005-12-20
Spiller Name:	MR CARTER
Spiller Company:	NYCHA
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	167749
DEC Memo:	""
Remarks:	"REPAIR & RETEST. SEE SPILL # 9415851"

All TTF:

Facility ID:	9107041
Spill Number:	9107041
Spill Tank Test:	1539117
Site ID:	148893
Tank Number:	Not reported
Tank Size:	0
Material:	0008
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 148893
Operable Unit ID: 961283
Operable Unit: 01
Material ID: 419274
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: -1.00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: O'DWYER HOUSES
Address: 2959 WEST 33RD STREET
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9315460 / 1995-04-26
Facility ID: 9315460
Site ID: 201620
Spill Date: 1991-09-18
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C3
Cleanup Ceased: 1995-04-26
SWIS: 2401
Investigator: HEALY
Referred To: Not reported
Reported to Dept: 1994-03-30
CID: Not reported
Water Affected: Not reported
Spill Notifier: DEC
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1994-04-05
Spill Record Last Update: 1995-04-26
Spiller Name: Not reported
Spiller Company: NYCHA - JOE MONTELLA
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 167749
DEC Memo: ""
Remarks: "LEAK RATE OF 0.07 GPH - REPORTED AS PASSED BY TESTER. SEE SPILL # 9416977"

All TTF:

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Facility ID:	9315460
Spill Number:	9315460
Spill Tank Test:	1542565
Site ID:	201620
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	201620
Operable Unit ID:	993566
Operable Unit:	01
Material ID:	387212
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

Name:	O'DWYER HOUSES
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9315461 / 1995-04-26
Facility ID:	9315461
Site ID:	201621
Spill Date:	1992-03-28
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1995-04-26
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1994-03-30
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-04-05

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Spill Record Last Update:	1995-04-26
Spiller Name:	Not reported
Spiller Company:	NYCHA - JOE MONTELLA
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	167749
DEC Memo:	""
Remarks:	"LEAK RATE OF 0.09 GPH - REPORTED AS PASSED BY TESTER. SEE SPILL # 9415851"

All TTF:

Facility ID:	9315461
Spill Number:	9315461
Spill Tank Test:	1542566
Site ID:	201621
Tank Number:	002
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	201621
Operable Unit ID:	993567
Operable Unit:	01
Material ID:	387213
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

Name:	O'DWYER GARDENS -NYCHA
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9415851 / Not Reported
Facility ID:	9415851
Site ID:	201622
Spill Date:	1995-03-07
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	AAOBLIGA
Referred To:	WP SUBMITTED 2/28/12
Reported to Dept:	1995-03-07
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	1995-03-08
Spill Record Last Update:	2021-05-03
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	167749
DEC Memo:	"12/20/05: This spill transferred from J.Kolleeny to S.Kraszewski. 09/01/06: DEC Lead for this spill changed from unassigned to S. Kraszewski. - J. Kolleeny 02/09/07 - J.Kann - Spill reassigned from S.Kraszewski to J.Kann. 01/15/08- J.Kann - Spill consolidated with closed spill 9416977. 03/1/12: J.kann - iwp submitted 2/28/12 and edoced today. 10/14/15: J.Kann- site included in the NYCHA Sandy recovery list and is slated for UST removal. Brief summary provided to Thomas Larison 518-785-2361 of CBI today in an email. 4/27/16: J.Kann - the following email was sent to NYCHA on 1/17/16: Yelena- I am reviewing the investigative work plan (Plan) for O'Dwyer Houses prepared by Gannett Fleming. Based on review of my files and the Plan, there seems to be a discrepancy. The Plan includes an investigation around spill 9011619 (2950 West 33rd? or 35th) and not spill 9415851 (2959 West 33rd Street). Spill 9011619 for O'Dwyer Houses and the 15,000 gallon UST was already investigated and closed. Spill 9415851 still needs to be investigated (the area around (2) removed 30,000 gallon tanks). It appears they were replaced with a 20,000 gallon UST in 2000. The investigation around these USTs is not included in the Plan. The Plan will need to be revised to investigate the area around the former 30,000 gallon USTs. If you have any additional knowledge about the site that could help clarify this, please call to discuss. We may need to do a site visit to confirm the area to be investigated. Thanks -Jennifer 06/05/2017: J.Kann - Spill reassigned to Andre Obligado. 5/3/21 - Obligado - I received an email dated 4/30/21 from Ryan McPherson at NYCHA. the GC MLJ has recently encountered oil/petroleum like material during their trenching and excavation at the O Dwyer new Building 8 (OG8) location. MLJ is currently running a test and are awaiting the report. MLJ also uncovered some brick structure which they would like to suspect / claim that it could be part of an underground fuel tank. Please let me know if you want to visit the site as we are trying to get caught up to speed on this construction and their findings. I emailed Ryan

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

McPHerson and scheduled a Site Meeting on 5/6/21 at 930AM."
Remarks: "COULD NOT MAINTAIN LEVEL-TANK #2"

All TTF:
Facility ID: 9415851
Spill Number: 9415851
Spill Tank Test: 1543650
Site ID: 201622
Tank Number: 002
Tank Size: 0
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 201622
Operable Unit ID: 1009299
Operable Unit: 01
Material ID: 371029
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: -1.00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: O'DWYER GARDENS -NYCHA
Address: 2959 WEST 33RD STREET
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9416977 / 2008-01-15
Facility ID: 9416977
Site ID: 322203
Spill Date: 1995-03-31
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: jkkann
Referred To: CONSOLIDATED WITH 9415851
Reported to Dept: 1995-03-31
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-03-31
Spill Record Last Update:	2008-01-15
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	167749
DEC Memo:	"12/20/05: This spill transferred from J.Kolleeny to S.Kraszewski. 09/01/06: DEC Lead for this spill changed from unassigned to S. Kraszewski. - J. Kolleeny 02/09/07 - J.Kann - Spill reassigned from S.Kraszewski to J.Kann. 01/15/08- J.Kann - Spill closed and consolidated with 9415851."
Remarks:	"COULD NOT MAINTAIN LEVEL"

All TTF:

Facility ID:	9416977
Spill Number:	9416977
Spill Tank Test:	1543711
Site ID:	322203
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	322203
Operable Unit ID:	1014085
Operable Unit:	01
Material ID:	368601
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

UST:

Name:	O'DWYER GARDENS (SURFSIDES)

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473979 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584695.12917
UTM Y:	4491882.07477
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20869
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	SUPERVISOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-23

Site Id:	20869
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20869
Affiliation Type:	Facility Operator
Company Name:	ODWYER GARDENS (SURFSIDES)
Contact Type:	Not reported
Contact Name:	NYC HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11
Site Id:	20869
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-01-31

Tank Info:

Tank Number:	1
Tank ID:	59518
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	20000
Install Date:	02/01/2000
Date Tank Closed:	09/17/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	10/11/2018

Equipment Records:

K00 - Spill Prevention - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
D11 - Pipe Type - Flexible Piping
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
H05 - Tank Leak Detection - In-Tank System (ATG)
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
F05 - Pipe External Protection - Jacketed

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
E04 - Piping Secondary Containment - Double walled UG

Tank Number:	OLD 1
Tank ID:	37578
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	30000
Install Date:	02/01/1969
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H00 - Tank Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping

Tank Number:	OLD 2
Tank ID:	37579
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	30000
Install Date:	02/01/1969
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping

SPILLS:

Name:	O'DWYER GARDENS -NYCHA
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0305816 / 2007-01-26
Facility ID:	0305816
Facility Type:	ER
DER Facility ID:	167749
Site ID:	322201
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2003-09-02
Investigator:	jkkann
Referred To:	CLOSED PER NYCHA INFO
Reported to Dept:	2003-09-02
CID:	199
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-09-02
Spill Record Last Update:	2007-01-26
Spiller Name:	Not reported
Spiller Company:	EASTCO BOILER
Spiller Address:	1175 LEGETT AVE
Spiller Company:	001
Contact Name:	FRANK INOA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY Eastco Boiler - Same company as A.L. Eastmond Contact: AL Eastmond - Fergusen 347-865-7456 Housing Authority - Frank Inoa 718-707-5718 A small copper tube in a mobile boiler broke. Oil leaked out of the boiler and into the truck bed, out onto the sidewalk/street and some went into a DEP storm drain. Eastmond is on site cleaning the area. They will also open and clean the storm drain. 11/03/05: This spill transferred from J.Kolleeny to S.Kraszewski. 01/27/06: This spill transferred from S.Kraszewaski to Q.Abidi. 03/31/06: This spill transferred from Q. Abidi to Koon Tang. 1/26/07 - Spill transferred to J. Kann. Spill closed as per information on clean up provided by NYCHA. - J.Kann "
Remarks:	"broken line on boiler caused spill - materal contained to concrete

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

floor and boiler area "

All Materials:
Site ID: 322201
Operable Unit ID: 874260
Operable Unit: 01
Material ID: 503054
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 80.00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: O'DWYER GARDENS -NYCHA
Address: 2959 WEST 33RD STREET
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 0305818 / 2003-09-02
Facility ID: 0305818
Facility Type: ER
DER Facility ID: 167749
Site ID: 322202
DEC Region: 2
Spill Cause: Unknown
Spill Class: C4
SWIS: 2401
Spill Date: 2003-09-02
Investigator: MXTIPPLE
Referred To: Not reported
Reported to Dept: 2003-09-02
CID: 216
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2003-09-02
Spill Record Last Update: 2005-12-20
Spiller Name: UNKNOWN
Spiller Company: Unknown
Spiller Address: UNKNOWN
Spiller Company: 999
Contact Name: MALORY GILMORE
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE no call back number, no way to confirm"
Remarks: "SPILL IN A PORTABLE BOILER NOTHING FURTHUR DEP HAD NO OTHER INFO "

All Materials:
Site ID: 322202
Operable Unit ID: 872413
Operable Unit: 01

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Material ID:	503055
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	80.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

V124 **O'DWYER GARDENS (SURFSIDES)** **NY AST** **A100364502**
SW **2959 WEST 33RD STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.112 mi.
592 ft. **Site 2 of 7 in cluster V**

Relative:
Higher

Actual:
8 ft.

AST:

Name:	O'DWYER GARDENS (SURFSIDES)
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-473979
Program Type:	PBS
UTM X:	584695.12917
UTM Y:	4491882.07477
Expiration Date:	N/A
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20869
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	SUPERVISOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-23

Site Id:	20869
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR
City:	LONG ISLAND CITY
State:	NY

O'DWYER GARDENS (SURFSIDES) (Continued) **A100364502**

Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20869
Affiliation Type:	Facility Operator
Company Name:	ODWYER GARDENS (SURFSIDES)
Contact Type:	Not reported
Contact Name:	NYC HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20869
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-01-31

Tank Info:

Tank Number:	2
Tank Id:	246516
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating

O'DWYER GARDENS (SURFSIDES) (Continued) **A100364502**

J03 - Dispenser - Gravity
I05 - Overfill - Vent Whistle
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
F00 - Pipe External Protection - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/20/2012
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/01/2013
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

V125 **NYCHA - ODWYER GARDENS** **RCRA NonGen / NLR** **1004762187**
SW **2963 W 33RD ST** **FINDS** **NYR000094409**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.112 mi. **NY MANIFEST**
592 ft. **Site 3 of 7 in cluster V**

Relative: **Higher**
Actual: **8 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20070101
Handler Name:	NYCHA - ODWYER GARDENS
Handler Address:	2963 W 33RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYR000094409
Contact Name:	ANTHONY SOLOMITA
Contact Address:	49TH AVE
Contact City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Contact Telephone:	718-707-5731
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Municipal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	49TH AVE
Mailing City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Owner Name:	NEW YORK CITY HOUSING AUTH
Owner Type:	Municipal
Operator Name:	NEW YORK CITY HOUSING AUTH
Operator Type:	Municipal
Short-Term Generator Activity:	No

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK CITY HOUSING AUTH
Legal Status: Municipal
Date Became Current: 20010101
Date Ended Current: Not reported
Owner/Operator Address: 23-02 49TH AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone: 718-707-5731
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY HOUSING AUTH
Legal Status: Municipal
Date Became Current: 20010101
Date Ended Current: Not reported
Owner/Operator Address: 23-02 49TH AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone: 718-707-5731
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK CITY HOUSING AUTH
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 23-02 49TH AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone: 718-707-5731
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101
Handler Name: NYCHA - ODWYER GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Handler Name: NYCHA - ODWYER GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010223
Handler Name: NYCHA - ODWYER GARDENS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004567326

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004762187
Registry ID: 110004567326
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004567326
Name: NYCHA - ODWYER GARDENS

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Address: 2963 W 33RD ST
City,State,Zip: BROOKLYN, NY 11224

NY MANIFEST:
Name: NYCHA - ODWYER GARDENS
Address: 2963 W 33RD ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYR000094409
Facility Status: Not reported
Location Address 1: 2963-2975 W 33RD STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000094409
Mailing Name: NYCHA - ODWYER GARDENS
Mailing Contact: JOE LURSKI
Mailing Address 1: 23-02 49TH AVE 5TH FLOOR
Mailing Address 2: TECHNICAL SERVICES DEPT EH&S DIVISION
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7184491800

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: MAC300016672
Trans2 State ID: NYD982792814
Generator Ship Date: 12/12/2012
Trans1 Recv Date: 12/12/2012
Trans2 Recv Date: 12/19/2012
TSD Site Recv Date: 12/28/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000094409
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: OHD048415665
TSDF ID 2: Not reported
Manifest Tracking Number: 004555111FLE
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H040
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1068
Units:	P - Pounds
Number of Containers:	6
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

V126 **NYC HOUSING AUTHORITY** **NY Spills** **S116155705**
SW **2951 WEST 33RD ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.112 mi.
592 ft. **Site 4 of 7 in cluster V**

Relative: **Higher**
Actual: **8 ft.**

SPILLS:

Name:	NYC HOUSING AUTHORITY
Address:	2951 WEST 33RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1309420 / 2014-10-07
Facility ID:	1309420
Facility Type:	ER
DER Facility ID:	445286
Site ID:	490217
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2013-12-24
Investigator:	SXMAHAT
Referred To:	Not reported
Reported to Dept:	2013-12-24
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

NYC HOUSING AUTHORITY (Continued) **S116155705**

Date Entered In Computer:	2013-12-24
Spill Record Last Update:	2015-10-28
Spiller Name:	Not reported
Spiller Company:	CONTRACTOR CALLED WARE
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	YELENA TKACH
DEC Memo:	"8/18/14: Mahat DEC Mahat contacted Notifier (Yelana @ 917.518.6355) regarding the clean up report. She mentioned that the site has been clean and the clean up report will be submitted to the Department in first week of Septmenber. 10/7/14 : Mahat DEC Mahat received an report from Ms. Yelana with manifest and clean up narrative report. It is uploaded on D2 for reference. Based on the doucuments provided, spill was all conatined in the concrete and clean up has been performed. Further investigation on remediation and deliniation is not required by the Department. Hence, the spill case will be closed in the database. "
Remarks:	"cleanup in progress"

All Materials:

Site ID:	490217
Operable Unit ID:	1239781
Operable Unit:	01
Material ID:	2239843
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	45.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

R127 **NYCHA - ODWYER** **RCRA NonGen / NLR** **1001223884**
SW **2995 W 33RD ST** **FINDS** **NYR000051003**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.112 mi.
592 ft. **Site 2 of 2 in cluster R**

Relative: **Higher**
Actual: **7 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - ODWYER	
Handler Address:		2995 W 33RD ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000051003
Contact Name:		Not reported
Contact Address:		BROADWAY
Contact City,State,Zip:		NEW YORK, NY 10007
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported

NYCHA - ODWYER (Continued) **1001223884**

Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007
Owner Name:	NYC HOUSING AUTHORITY	
Owner Type:		Municipal
Operator Name:	NYC HOUSING AUTHORITY	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported

NYCHA - ODWYER (Continued) **1001223884**

Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	NONE
Waste Description:	Not Defined
Waste Code:	U240
Waste Description:	2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADAWY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADAWY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADAWY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NYCHA - ODWYER (Continued) **1001223884**

Historic Generators:

Receive Date:	19980403
Handler Name: NYCHA - ODWYER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060101
Handler Name: NYCHA - ODWYER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20070101
Handler Name: NYCHA - ODWYER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980227
Handler Name: NYCHA - ODWYER	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

NYCHA - ODWYER (Continued) **1001223884**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004540756

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001223884
Registry ID:	110004540756
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004540756
Name:	NYCHA - ODWYER
Address:	2995 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224

W128 **O'DYER GARDENS** **NY LTANKS** **S104191805**
WSW **2951 W. 33RD ST** **N/A**
< 1/8 **CONEY ISLAND, NY**
0.113 mi.
596 ft. **Site 1 of 2 in cluster W**

Relative: Higher
Actual: 12 ft.

LTANKS:

Name:	O'DYER GARDENS
Address:	2951 W. 33RD ST
City,State,Zip:	CONEY ISLAND, NY
Spill Number/Closed Date:	9906184 / 2003-03-20
Facility ID:	9906184
Site ID:	80793
Spill Date:	1999-08-24
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	SACCACIO
Referred To:	Not reported
Reported to Dept:	1999-08-24
CID:	322
Water Affected:	Not reported
Spill Notifier:	Citizen
Last Inspection:	Not reported

O'DYER GARDENS (Continued) **S104191805**

Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-08-24
Spill Record Last Update:	2003-03-20
Spiller Name:	NYC HOUSING AUTH
Spiller Company:	O'DYER GARDENS
Spiller Address:	2951 W. 33RD ST
Spiller County:	001
Spiller Contact:	NYC HOUSING AUTH
Spiller Phone:	(718) 449-1800
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	74827
DEC Memo:	""
Remarks:	"caller recieved word that new tanks are being installed because the old tanks were leaking - caller concerned that there was no clean up of the oil "

All Materials:

Site ID:	80793
Operable Unit ID:	1080627
Operable Unit:	01
Material ID:	302453
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

W129 **NYCHA - ODWYER GARDENS HOUSES** **RCRA NonGen / NLR** **1001493626**
SW **2935 W 33RD ST** **FINDS** **NYR000075176**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.114 mi.
600 ft. **Site 2 of 2 in cluster W**

Relative: **Higher**
Actual: **11 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20070101
Handler Name:	NYCHA - ODWYER GARDENS HOUSES
Handler Address:	2935 W 33RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224-2516
EPA ID:	NYR000075176
Contact Name:	FRANK OCELLO
Contact Address:	BROADWAY
Contact City,State,Zip:	NEW YORK, NY 10007-2516
Contact Telephone:	212-306-3229
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

NYCHA - ODWYER GARDENS HOUSES (Continued) **1001493626**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007-2516
Owner Name:	NYCHA	
Owner Type:		Municipal
Operator Name:	NYCHA	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

NYCHA - ODWYER GARDENS HOUSES (Continued) **1001493626**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060101
Handler Name:	NYCHA - ODWYER GARDENS HOUSES
Federal Waste Generator Description:	Not a generator, verified

NYCHA - ODWYER GARDENS HOUSES (Continued) **1001493626**

State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - ODWYER GARDENS HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990812
Handler Name: NYCHA - ODWYER GARDENS HOUSES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004555473

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

NYCHA - ODWYER GARDENS HOUSES (Continued) **1001493626**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001493626
Registry ID:	110004555473
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004555473
Name:	NYCHA - ODWYER GARDENS HOUSES
Address:	2935 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224

X130 **CONEY ISLAND CREEK** **NY Spills** **S128042651**
North **2529 NEPTUNE AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.114 mi.
601 ft. **Site 1 of 3 in cluster X**

Relative:
Lower

Actual:
2 ft.

SPILLS:

Name:	CONEY ISLAND CREEK
Address:	2529 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	2106433 / 2021-10-08
Facility ID:	2106433
Facility Type:	ER
DER Facility ID:	572518
Site ID:	625323
DEC Region:	2
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2021-10-07
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	2021-10-07
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Vessel
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2021-10-07
Spill Record Last Update:	2021-10-08
Spiller Name:	PETTY OFCR.
Spiller Company:	UNK
Spiller Address:	2529 NEPTUNE AVE
Spiller Company:	999
Contact Name:	PETTY OFCR.
DEC Memo:	"duplicate of spill #: 2106429."
Remarks:	"Creek Affected outside of containment. NRC#1318945"

All Materials:

Site ID:	625323

CONEY ISLAND CREEK (Continued) **S128042651**

Operable Unit ID:	1372468
Operable Unit:	01
Material ID:	2385794
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

X131 **CREEK** **NY Spills** **S128042667**
North **2529 NEPTUNE AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.114 mi.
601 ft. **Site 2 of 3 in cluster X**

Relative: **Lower**

Actual: **2 ft.**

SPILLS:

Name:	CREEK
Address:	2529 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	2106455 / 2021-10-08
Facility ID:	2106455
Facility Type:	ER
DER Facility ID:	572518
Site ID:	625345
DEC Region:	2
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2021-10-08
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	2021-10-08
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2021-10-08
Spill Record Last Update:	2021-10-08
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	TANASIA SWIFT
DEC Memo:	"10/08/21-Hiralkumar Patel. 12:42 PM:- spoke with Ms. Swift. she mentioned that she visited site on 10/05/21 and 10/07/21. she claimed presence of oil sheen on water during both times. she has some pics from visit on 10/05/21 and will send for review. 12:46 PM:- received pics from Ms. Swift. pics show broken silver sheen on water

CREEK (Continued) **S128042667**

indicating possible presence of biological material. case closed. refer to spill #: 2106429."

Remarks: "construction going on nearby and caller thinks oil is coming from Skanska construction crew for EDC. Sheen sitting on the water. Crew is working in the creek connecting the local barge ECO Christine Brussell 241 c:(929) 505-4747 has been advised"

All Materials:

Site ID:	625345
Operable Unit ID:	1372490
Operable Unit:	01
Material ID:	2385817
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

X132 **KAISER PARK** **NY Spills** **S128042649**
North **2529 NEPTUNE AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.114 mi.
601 ft. **Site 3 of 3 in cluster X**

Relative: **Lower**

Actual: **2 ft.**

SPILLS:

Name:	KAISER PARK
Address:	2529 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	2106429 / 2021-10-13
Facility ID:	2106429
Facility Type:	ER
DER Facility ID:	572518
Site ID:	625319
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2021-10-06
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	2021-10-07
CID:	Not reported
Water Affected:	CONEY ISLAND CREEK
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2021-10-07
Spill Record Last Update:	2021-10-13
Spiller Name:	Not reported

KAISER PARK (Continued) **S128042649**

Spiller Company: NEW YORK CITY
Spiller Address: Not reported
Spiller Company: 999
Contact Name: ASSEMBLYWOMAN MATHYLDA FRONTF
DEC Memo: "10/07/21-Hiralkumar Patel. 6:45 PM:- visited site. NYS assembly member Mathylde Frontus reported release of an unknown amount of an unknown material into the Coney Island Creek from a construction site (NRC #: 1318945). Kaiser Park fishing pier is being built on north side of the Kaiser park, immediately north of track and field area. it was low tide at the time of inspection and there was no construction activity at that time. inspected water surface around the fishing pier and along the work barge at the site. no signs (olfactory or visible) of any chemical/petroleum spill were noted in the area. during inspection, noted a hard boom partially covering newly built pier, but no boom around the work barge.
10/08/21-Hiralkumar Patel. 9:10 AM:- revisited site and met Evan Walton from Skanska. noted high tide during the inspection. this time, noted garbage floating on water but there was no signs of any chemical/petroleum spill. Evan stated that they have received many complaints claiming garbage being dumped by construction crew, but he claimed that garbage is visible during high tide and Skanska or his crew is not responsible for that. asked Evan about dredging operations. he mentioned that Skanska is working in two locations in the area: 1) north of Kaiser Park (fishing pier) and 2) approx. 1,000 ft (or more) in water north of W 37th Street. Evan mentioned that they area dredging area north of W 37th St, but there was no activity today. based on field observations, strongly recommended Evan to place hard boom around the work barge to prevent damage to water from any accidental chemical/petroleum release on the barge. Evan Walton Skanska Ph. (908) 444-6824 email: evan.walton@skanska.com
10/13/21-Hiralkumar Patel. case closed based on field observations."
Remarks: "near kaiser park fishing pier (bayview and neptune) -"

All Materials:
Site ID: 625319
Operable Unit ID: 1372464
Operable Unit: 01
Material ID: 2385790
Material Code: 0064A
Material Name: unknown material
Case No.: Not reported
Material FA: Other
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Y133 **CON EDISON MANHOLE: 2350** **RCRA NonGen / NLR** **1016143908**
SE **3018 W 24TH ST OPPOSITE** **FINDS** **NYP004266953**
< 1/8 **BROOKLYN, NY 11201** **ECHO**
0.116 mi. **NY MANIFEST**
610 ft. **Site 1 of 2 in cluster Y**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20170728
Handler Name: CON EDISON MANHOLE: 2350
Handler Address: 3018 W 24TH ST OPPOSITE

CON EDISON MANHOLE: 2350 (Continued) **1016143908**

Handler City,State,Zip:		BROOKLYN, NY 11201
EPA ID:		NYP004266953
Contact Name:		ROMULO QUIJIJE
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		718-802-5196
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SR SPECIALIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No

CON EDISON MANHOLE: 2350 (Continued) **1016143908**

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171011
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20120906
Handler Name: CON EDISON MANHOLE: 2350	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20170728
Handler Name: CON EDISON MANHOLE: 2350	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

CON EDISON MANHOLE: 2350 (Continued) **1016143908**

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055455626

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016143908
Registry ID:	110055455626
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055455626
Name:	CON EDISON MANHOLE: 2350
Address:	3018 W 24TH ST OPPOSITE
City,State,Zip:	BROOKLYN, NY 11201

NY MANIFEST:

Name:	CON EDISON
Address:	3018 W 24TH ST OPPOSITE
City,State,Zip:	BROOKLYN, NY 11201
Country:	USA
EPA ID:	NYP004266953
Facility Status:	Not reported
Location Address 1:	OPPOSITE 3018 WEST 24 STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11201
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004266953
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

CON EDISON MANHOLE: 2350 (Continued) **1016143908**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	09/06/2012
Trans1 Recv Date:	09/06/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/06/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004266953
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001674777GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	600
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Y134
SE
< 1/8
0.116 mi.
610 ft.

CON EDISON MANHOLE: 2350
3018 W 24TH ST OPPOSITE
BROOKLYN, NY 11201

Site 2 of 2 in cluster Y

NJ MANIFEST **S117986135**
N/A

Relative:
Higher

Actual:
3 ft.

NJ MANIFEST:

EPA Id:	NYP004266953
Mail Address:	IRVING PL, RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	ROMULO QUIJIJE
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	001674777GBF
EPA ID:	NYP004266953
Date Shipped:	9/6/2012
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported

CON EDISON MANHOLE: 2350 (Continued) **S117986135**

Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: NEW YORK, NY 10003
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D008
Hand Code: Not reported
Quantity: 600.00 gallons

Z135 **CAREY GARDENS** **NY UST** **U001840665**
ESE **2955 WEST 24TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.116 mi.
610 ft. **Site 1 of 2 in cluster Z**

Relative: **Lower**
Actual: **2 ft.**

UST:
Name: CAREY GARDENS
Address: 2955 WEST 24TH STREET
City,State,Zip: BROOKLYN, NY 11224
Id/Status: 2-473863 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 585447.17152
UTM Y: 4491992.13570
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20860
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: FUEL OIL REMEDIATION COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2019-04-19

Site Id: 20860
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: YELENA TKACH - COORDINATOR
Address1: 23-02 49TH AVENUE
Address2: TECH SERVS DEPT - 5TH FLOOR

CAREY GARDENS (Continued) **U001840665**

City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20860
Affiliation Type:	Facility Operator
Company Name:	CAREY GARDENS
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20860
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	718-707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2008-09-17

Tank Info:

Tank Number:	1
Tank ID:	64535
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	20000
Install Date:	11/01/2002
Date Tank Closed:	07/19/2017
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001

CAREY GARDENS (Continued) **U001840665**

Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: E
Modified By: DAFRANCI
Last Modified: 02/23/2018

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
L08 - Piping Leak Detection - Tank Top Sump
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
E04 - Piping Secondary Containment - Double walled UG
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm

Tank Number: 2
Tank ID: 64536
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 15000
Install Date: 11/01/2002
Date Tank Closed: 07/19/2017
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: E
Modified By: DAFRANCI
Last Modified: 02/23/2018

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
L08 - Piping Leak Detection - Tank Top Sump
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
L09 - Piping Leak Detection - Exempt Suction Piping

CAREY GARDENS (Continued) **U001840665**

I02 - Overfill - High Level Alarm

Tank Number: OLD 1
Tank ID: 37549
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 20000
Install Date: 11/01/1970
Date Tank Closed: 09/01/2002
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0000
Common Name of Substance: Empty

Tightness Test Method: 03
Date Test: 06/01/1996
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None

Tank Number: OLD 2
Tank ID: 37548
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 15000
Install Date: 11/01/1970
Date Tank Closed: 09/01/2002
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 04/01/2002
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None

CAREY GARDENS (Continued) **U001840665**

J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None

Z136 **NYC-HA CAREY GARDENS** **RCRA-SQG** **1000550120**
ESE **2955 W 24TH STREET** **ICIS** **NYD986870921**
< 1/8 **BROOKLYN, NY 11220** **US AIRS**
0.116 mi. **NY MANIFEST**
610 ft. **Site 2 of 2 in cluster Z**

Relative: **Lower**
Actual: **2 ft.**

RCRA-SQG:

Date Form Received by Agency:		20190201
Handler Name:	NYCHA - HABER	
Handler Address:		2955 W 24TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYD986870921
Contact Name:		NYMIAH BRANCH
Contact Address:		W 24TH ST
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		718-449-6181
Contact Fax:		Not reported
Contact Email:		NYMIAH.BRANCH@NYCHA.NYC.GOV
Contact Title:		PROPERTY MAINTENANCE SUPERVISOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		W 24TH ST
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	PETER TRIFOLI	
Owner Type:		Municipal
Operator Name:	NYMIAH BRANCH	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

NYC-HA CAREY GARDENS (Continued) **1000550120**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190205
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD
Waste Code:	NONE
Waste Description:	Not Defined
Waste Code:	U240
Waste Description:	2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYC HOUSING AUTHORITY
Legal Status:	Municipal

NYC-HA CAREY GARDENS (Continued) **1000550120**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: PETER TRIFOLI	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	BRONX, NY 10473
Owner/Operator Telephone:	718-707-5388
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NYMIAH BRANCH	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2955 W 24TH ST
Owner/Operator City,State,Zip:	BROOKLYN, NY 11224
Owner/Operator Telephone:	718-449-6181
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NYC-HA CAREY GARDENS (Continued) **1000550120**

Historic Generators:

Receive Date:	19980403
Handler Name: NYCHA - CAREY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060101
Handler Name: NYCHA - CAREY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20070101
Handler Name: NYCHA - CAREY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980227
Handler Name: NYCHA - CAREY	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20190201
Handler Name: NYCHA - HABER	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY

NYC-HA CAREY GARDENS (Continued) **1000550120**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	925110
NAICS Description:	ADMINISTRATION OF HOUSING PROGRAMS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

ICIS:

Enforcement Action ID:	NY000A0000261020022600001
FRS ID:	110001570737
Action Name:	NYC-HA CAREY GARDENS 360470012800001
Facility Name:	NYC-HA CAREY GARDENS
Facility Address:	2955 W 24TH STREET BROOKLYN, NY 11220
Enforcement Action Type:	Administrative Order
Facility County:	KINGS
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	6513
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	40.574697
Longitude in Decimal Degrees:	-73.9909
Permit Type Desc:	Not reported
Program System Acronym:	NY0000002610200226
Facility NAICS Code:	531110
Tribal Land Code:	Not reported

US AIRS (AFS):

Envid:	1000550120
Region Code:	02
County Code:	NY047
Programmatic ID:	AIR NY0000002610200226
Facility Registry ID:	110001570737
D and B Number:	Not reported
Facility Site Name:	NYC-HA CAREY GARDENS
Primary SIC Code:	6513
NAICS Code:	531110
Default Air Classification Code:	SMI
Facility Type of Ownership Code:	POF
Air CMS Category Code:	Not reported

NYC-HA CAREY GARDENS (Continued) **1000550120**

HPV Status: Not reported

US AIRS (AFS):
Region Code: 02
Programmatic ID: AIR NY0000002610200226
Facility Registry ID: 110001570737
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-06-11 00:00:00
Activity Status Date: 1982-06-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

NY MANIFEST:
Name: NYCHA - CAREY
Address: 2955 W 24TH ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYD986870921
Facility Status: Not reported
Location Address 1: 2955 W 24TH ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986870921
Mailing Name: NYCHA - CAREY
Mailing Contact: JOHN MITCHELL
Mailing Address 1: 250 BROADWAY
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10007
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 3034257526

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: MAC300016672
Trans2 State ID: Not reported
Generator Ship Date: 12/17/2012
Trans1 Recv Date: 12/17/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/26/2012
Part A Recv Date: Not reported

NYC-HA CAREY GARDENS (Continued) **1000550120**

Part B Recv Date:	Not reported
Generator EPA ID:	NYD986870921
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD077444263
TSDF ID 2:	Not reported
Manifest Tracking Number:	004555225FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	3
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D002
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AA137 **MAINTENANCE BUILDING, CONEY ISLAND** **NY AST** **A100175328**
SE **WEST 25TH STREET & BOARDWALK** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.116 mi.
615 ft. **Site 1 of 2 in cluster AA**

Relative: **Higher**
Actual: **4 ft.**

AST:

Name:	MAINTENANCE BUILDING, CONEY ISLAND
Address:	WEST 25TH STREET & BOARDWALK
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Inactive
Facility Id:	2-605005
Program Type:	PBS
UTM X:	585377.03432
UTM Y:	4491657.20194
Expiration Date:	N/A
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

MAINTENANCE BUILDING, CONEY ISLAND (Continued) **A100175328**

Affiliation Records:

Site Id:	26874
Affiliation Type:	Facility Owner
Company Name:	CITY OF NEW YORK, PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	830 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 360-8221
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2012-11-13

Site Id:	26874
Affiliation Type:	Mail Contact
Company Name:	CITY OF N Y, PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	GABE RAMOS
Address1:	5-BORO
Address2:	RANDALLS ISLAND
City:	NEW YORK
State:	NY
Zip Code:	10035
Country Code:	001
Phone:	(212) 410-8916
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2006-01-24

Site Id:	26874
Affiliation Type:	Facility Operator
Company Name:	MAINTENANCE BUILDING, CONEY ISLAND
Contact Type:	Not reported
Contact Name:	LISA MCBAYNE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 946-1350
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2011-05-04

Site Id:	26874
Affiliation Type:	Emergency Contact
Company Name:	CITY OF NEW YORK, PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	LISA MCBAYNE

MAINTENANCE BUILDING, CONEY ISLAND (Continued) **A100175328**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 946-1350
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2011-05-04

Tank Info:

Tank Number:	001
Tank Id:	59300
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
I05 - Overfill - Vent Whistle

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Tank Converted to Non-Regulated Use
Pipe Model:	Not reported
Install Date:	07/21/1980
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/14/2017
Material Name:	other

V138 **SPILL NUMBER 9809231** **NY Spills** **S104648064**
SW **WEST 33RD ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.121 mi.
639 ft. **Site 5 of 7 in cluster V**

Relative: **Higher**

Actual: **8 ft.**

SPILLS:

Name:	SPILL NUMBER 9809231
Address:	WEST 33RD ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9809231 / 2002-10-31
Facility ID:	9809231
Facility Type:	ER
DER Facility ID:	205006
Site ID:	250107
DEC Region:	2
Spill Cause:	Other
Spill Class:	C4
SWIS:	2401
Spill Date:	1998-10-23
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1998-10-23
CID:	366
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-23
Spill Record Last Update:	2002-10-31
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PL
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT SEE CON ED REPORT #'S 120759 AND 120754. 9809227 AND 9809222 RESPECTIVELY. Con Ed e2mis #120763: D.HEARNS#50839 O.S.NETWORKS REPORTS FOUND 15 GALLONS OIL ON 1000 GALLONS WATER IN CRAB COMPARTMENT E/S W33 ST. ABOUT 247' N/O SURF AVE. CRAB COMPARTMENT ADJACENT TO V4402. NO SEWERS OR WATERWAYS AFFECTED. NO SAMPLE TAKEN & NO E.S.TAG#PLACED -- RESULTS OF V4402 TO BE USED FOR THIS CLEANUP. SEE INCIDENT#120754. CALLED C.I.G. AT 12:24, 12:32, 12:40, 12:55 NOTIFIED MURPHY OF C.I.G. AT 13:13 10/24/98-1700HRS-G.JACOBI FLUSH O.S. REPORTS CLEANUP COMPLETED IN CRAB COMP.ALSO CEMENTED WALL BETWEEN V4351, V4402,NOTE IN VS4402 SUMP PUMP WAS DISCONNECTED SINCE 1992-CONTAINED NO SEWERS OR WATERWAYS EFFECTED,TAG#06773 REMOVED."
Remarks:	"CALLER REPORTING OIL LEAK FROM PREVIOUS REPORTED VAULTS, REF 9809222 & 9809227. CON ED TO CLEAN. CON ED #120763."

All Materials:

Site ID:	250107
Operable Unit ID:	1070364
Operable Unit:	01

SPILL NUMBER 9809231 (Continued) **S104648064**

Material ID:	316688
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

V139 **VAULT 43551** **NY Spills** **S103573363**
SW **WEST 33RD ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.121 mi.
639 ft. **Site 6 of 7 in cluster V**

Relative: **Higher**
Actual: **8 ft.**

SPILLS:

Name:	VAULT 43551
Address:	WEST 33RD ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9809227 / 2002-10-31
Facility ID:	9809227
Facility Type:	ER
DER Facility ID:	205006
Site ID:	250106
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1998-10-23
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1998-10-23
CID:	366
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-23
Spill Record Last Update:	2002-10-31
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PL
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT 15 GALLONS OF OIL. 120754 IS THIRD VAULT IN STRING OF CONNECTED VAULTS. SEE 9809222 Con Ed e2mis #120759: D.HEARNS50839 O.S.NETWORKS REPORTS FOUND APPROXIMATELY 15 GALLONS OIL ON 1000 GALLONS WATER. THIS VAULT COMMUNICATES TO V4402. NO SIGN OF SUMP PUMP. PRESSURE TESTED UNIT -- TESTED O.K. PCB READING = 12PPM. CANNOT SEE WHERE OIL COMING FROM. SEE INCIDENT#120754 FOR FURTHER

VAULT 43551 (Continued) **S103573363**

Remarks:	INFORMATION. NO SAMPLE TAKEN -- RESULTS FROM V4402 TO BE USED. NOTIFIED CONSTANTINE OF C.I.G. AT 13:16. 10/24/98-1700HRS--CLEANUP COMPLETED TAG 06774 REMOVED HOLE MAKES WATER."
	"PRODUCT LEAKED FROM OTHER VAULT. CON ED TO CLEAN. REF 9809222. CON ED #120759."

All Materials:

Site ID:	250106
Operable Unit ID:	1070360
Operable Unit:	01
Material ID:	316684
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

---

140 South < 1/8 0.123 mi. 647 ft.

GAS ODORS AT RINGELMAN BO
2901 RINGELMAN BOARDWALK
NEW YORK CITY, NY

NY Spills **S102144220**
N/A

Relative: Higher

Actual: 4 ft.

SPILLS:

Name:	GAS ODORS AT RINGELMAN BO
Address:	2901 RINGELMAN BOARDWALK
City,State,Zip:	NEW YORK CITY, NY
Spill Number/Closed Date:	8605394 / 1986-11-25
Facility ID:	8605394
Facility Type:	ER
DER Facility ID:	187001
Site ID:	226557
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	1986-11-25
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	1986-11-25
CID:	Not reported
Water Affected:	NONE
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	1986-11-25
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1986-12-08
Spill Record Last Update:	2004-09-30
Spiller Name:	Not reported
Spiller Company:	UNK

GAS ODORS AT RINGELMAN BO (Continued) **S102144220**

Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was 10/10/95: This is additional information about material spilled from the translation of the old spill file: GASOLINE ODOR."
Remarks:	"LOCATION BET. W. 29TH AND W. 30 STS. - DEP INVESTIGATED AND FOUND MINOR SPILL W/NO IMPACT TO NY WATERS"

All Materials:

Site ID:	226557
Operable Unit ID:	902603
Operable Unit:	01
Material ID:	474581
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AB141 **ROADWAY** **NY Spills** **S122480893**
WSW **MERMAID AVE AND WEST 33 ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.123 mi.
652 ft. **Site 1 of 5 in cluster AB**

Relative:
Higher

Actual:
6 ft.

SPILLS:

Name:	ROADWAY
Address:	MERMAID AVE AND WEST 33 ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1804064 / 2018-07-16
Facility ID:	1804064
Facility Type:	ER
DER Facility ID:	526751
Site ID:	573726
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2018-07-15
Investigator:	PXLAKHAN
Referred To:	Not reported
Reported to Dept:	2018-07-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2018-07-16

ROADWAY (Continued) **S122480893**

Spill Record Last Update:	2018-07-16
Spiller Name:	Not reported
Spiller Company:	NYCTA
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	MIKE
DEC Memo:	"07/16/18 - Lakhani Due to equipment failure, 5 gallons of motor spilled to the roadway. 3 gallons impacted the roadway and was cleaned up using absorbent material. The remaining 2 gallons impacted a sewer. Loss to sewer was reported to DEC (#186609353). Spill is closed."
Remarks:	"3 gallons to roadway/clean up complete 2 gallons to sewer/no clean up"

All Materials:

Site ID:	573726
Operable Unit ID:	1321534
Operable Unit:	01
Material ID:	2329652
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

AB142 **CON EDISON** **NY MANIFEST** **S117737699**
WSW **W 33 ST AND MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.123 mi.
652 ft. **Site 2 of 5 in cluster AB**

Relative:
Higher

Actual:
6 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	W 33 ST AND MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004673406
Facility Status:	Not reported
Location Address 1:	W 33 ST AND MERMAID AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004673406
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY

CON EDISON (Continued) **S117737699**

Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/06/2014
Trans1 Recv Date:	10/06/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/06/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004673406
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774644JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	600
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

T143 **SURFSIDE GARDENS** **NY UST** **U000410719**
West **2839 WEST 32ND STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.126 mi.
666 ft. **Site 2 of 3 in cluster T**

Relative:
Higher

Actual:
12 ft.

UST:

Name:	SURFSIDE GARDENS
Address:	2839 WEST 32ND STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-474053 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584737.25653
UTM Y:	4492187.17217
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20877
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	20877
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR - REMEDIATION
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20877
Affiliation Type:	Facility Operator
Company Name:	SURFSIDE GARDENS
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported

SURFSIDE GARDENS (Continued) **U000410719**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20877
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2017-10-04

Tank Info:

Tank Number:	1
Tank ID:	59521
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	10200
Install Date:	06/01/2000
Date Tank Closed:	09/21/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	10/18/2018

Equipment Records:

B04 - Tank External Protection - Fiberglass
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
E04 - Piping Secondary Containment - Double walled UG

SURFSIDE GARDENS (Continued) **U000410719**

A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
F05 - Pipe External Protection - Jacketed
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Number:	2
Tank ID:	223525
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	20000
Install Date:	06/01/2000
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	0
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
B09 - Tank External Protection - Urethane
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
L08 - Piping Leak Detection - Tank Top Sump
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number:	OLD 1
Tank ID:	37590
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	20000
Install Date:	06/01/1969
Date Tank Closed:	06/01/2000
Registered:	True
Tank Location:	Underground

SURFSIDE GARDENS (Continued) **U000410719**

Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	00
Date Test:	09/01/1994
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

E00 - Piping Secondary Containment - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None

T144 **NYCHA - SURFSIDE GARDENS** **RCRA NonGen / NLR** **1008374569**
West **2839 W 32ND ST** **NYR000133181**
1/8-1/4 **BROOKLYN, NY 11224**
0.126 mi.
666 ft. **Site 3 of 3 in cluster T**

Relative: **Higher**
Actual: **12 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - SURFSIDE GARDENS	
Handler Address:		2839 W 32ND ST
Handler City,State,Zip:		BROOKLYN, NY 11224-1860
EPA ID:		NYR000133181
Contact Name:		ANTHONY N SOLOMITA
Contact Address:		49TH AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-707-5731
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		49TH AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NO NAME FOUND	
Owner Type:		Other
Operator Name:	NO NAME FOUND	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

NYCHA - SURFSIDE GARDENS (Continued) **1008374569**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

NYCHA - SURFSIDE GARDENS (Continued) **1008374569**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NO NAME FOUND	
Legal Status:	Other
Date Became Current:	19690630
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NO NAME FOUND	
Legal Status:	Other
Date Became Current:	19690630
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NEW YORK CITY HOUSING AUTHORITY	
Legal Status:	Other
Date Became Current:	19690630
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NEW YORK CITY HOUSING AUTHORITY	
Legal Status:	Other
Date Became Current:	19690630
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060101
Handler Name: NYCHA - SURFSIDE GARDENS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

NYCHA - SURFSIDE GARDENS (Continued) **1008374569**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20070101
Handler Name:	NYCHA - SURFSIDE GARDENS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20050707
Handler Name:	NYCHA - SURFSIDE GARDENS
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	92511
NAICS Description:	ADMINISTRATION OF HOUSING PROGRAMS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

AB145 **CON EDISON** **NY MANIFEST** **S117737519**
WSW **2908 W 33RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.136 mi.
716 ft. **Site 3 of 5 in cluster AB**

Relative: **Higher**

Actual: **7 ft.**

NY MANIFEST:

Name:	CON EDISON
Address:	2908 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004660312

CON EDISON (Continued) **S117737519**

Facility Status:	Not reported
Location Address 1:	2908 W 33RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004660312
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	09/18/2014
Trans1 Recv Date:	09/18/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/18/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004660312
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002617400GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON (Continued) **S117737519**

Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

V146 **FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.** **NY UST** **U003790835**
SW **3312 SURF AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.138 mi.
728 ft. **Site 7 of 7 in cluster V**

Relative:
Higher

Actual:
4 ft.

UST:

Name:	FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.
Address:	3312 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-605887 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584702.80732
UTM Y:	4491786.70203
Site Type:	Other

Affiliation Records:

Site Id:	27753
Affiliation Type:	Facility Owner
Company Name:	FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.
Contact Type:	AUTHORIZED SIGNATORY
Contact Name:	ROBERT ZORN
Address1:	FEGS, 315 HUDSON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 366-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	27753
Affiliation Type:	Facility Operator
Company Name:	FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.
Contact Type:	Not reported
Contact Name:	HENRY SEDA

FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC. (Continued) **U003790835**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 449-4000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	27753
Affiliation Type:	Emergency Contact
Company Name:	FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.
Contact Type:	Not reported
Contact Name:	BRYAN CAULFIELD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 366-8324
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	27753
Affiliation Type:	Mail Contact
Company Name:	FEDERATION EMPLOYMENT & GUIDANCE SERVICE, INC.
Contact Type:	Not reported
Contact Name:	ROBERT ZORN
Address1:	FEGS
Address2:	315 HUDSON STREET
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 366-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Tank Info:

Tank Number:	001
Tank ID:	60666
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	5000
Install Date:	Not reported
Date Tank Closed:	04/10/2019
Registered:	True
Tank Location:	Underground

FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC. (Continued) **U003790835**

Tank Type:	Fiberglass reinforced plastic [FRP]
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DAFRANCI
Last Modified:	04/19/2019

Equipment Records:

A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None

AB147 **CON EDISON** **NY MANIFEST** **S117318272**
WSW **2888 W 33 ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.139 mi.
733 ft. **Site 4 of 5 in cluster AB**

Relative: **Higher**

Actual: **7 ft.**

NY MANIFEST:

Name:	CON EDISON
Address:	2888 W 33 ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004657854
Facility Status:	Not reported
Location Address 1:	2888 W 33 ST
Code:	BP
Location Address 2:	SB71182
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004657854
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

CON EDISON (Continued) **S117318272**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	09/15/2014
Trans1 Recv Date:	09/15/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/16/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004657854
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	013256168JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AB148 **CON EDISON** **NY MANIFEST** **S117319400**
WSW **2888 W 33 ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11201**
0.139 mi.
733 ft. **Site 5 of 5 in cluster AB**

Relative:
Higher

Actual:
7 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	2888 W 33 ST
City,State,Zip:	BROOKLYN, NY 11201
Country:	USA
EPA ID:	NYP004671467
Facility Status:	Not reported
Location Address 1:	2888 W 33 ST
Code:	BP
Location Address 2:	MH67928
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11201
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004671467
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/02/2014
Trans1 Recv Date:	10/02/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/03/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004671467
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774559JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N

CON EDISON (Continued) **S117319400**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AC149 **NYC DEPT OF EDUCATION - JHS 239 BKLYN** **NY Spills** **S107408872**
NE **2401 NEPTUNE AVE** **NY MANIFEST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.140 mi.
737 ft. **Site 1 of 4 in cluster AC**

Relative: **Lower**
Actual: **1 ft.**

SPILLS:

Name:	MARK TWAIN INTER SCHOOL
Address:	2401 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0507107 / 2005-09-13
Facility ID:	0507107
Facility Type:	ER
DER Facility ID:	299738
Site ID:	352440
DEC Region:	2
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2005-09-13
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	2005-09-13
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **S107408872**

Remediation Phase:	0
Date Entered In Computer:	2005-09-13
Spill Record Last Update:	2005-09-13
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	GLORIA GOLDBERG
DEC Memo:	"9/13/05-Vought-Responsded to spill with DEC Ketani. School was evacuated by FDNY who is also onscene (Lt. Gleason 718-965-8345). Odors due to anaerobic degradation of organic matter in creek behind school (generation of methane and hydrogen sulfide). Odors were highest at low tide. No sheen or product visible in creek. Odors have been detected previously at low tide. At time of DEC visit school was reoccupied by students as per FDNY. DOH representative employed full time at school. Ten students went to local hospitals with nausea but FDNY paramedics indicated no serious conditions. No petroluem spill. Spill closed by Vought."
Remarks:	"SCHOOL CALLED AND SAID THAT THERE IS A VERY FOUL ODOR COMING INTO SCHOOL, THERE IS A CREEK THAT RUNS BEHIND THE SCHOOL , KIDS AND ADULTS ARE FEELING SICK: PLEASE CALL:"

NY MANIFEST:

Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Address:	2401 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000207621
Facility Status:	Not reported
Location Address 1:	2401 NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000207621
Mailing Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Mailing Contact:	NYC DEPT OF EDUCATION 239K
Mailing Address 1:	2401 NEPTUNE AVE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7189464076

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	MAC300016672

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **S107408872**

Trans2 State ID:	Not reported
Generator Ship Date:	10/29/2015
Trans1 Recv Date:	10/29/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/10/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000207621
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD077444263
TSDF ID 2:	Not reported
Manifest Tracking Number:	008915248FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B007
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AC150 **NYC DEPT OF EDUCATION - JHS 239 BKLYN** **RCRA-SQG** **1016455657**
NE **2401 NEPTUNE AVE** **FINDS** **NYR000207621**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.140 mi.
737 ft. **Site 2 of 4 in cluster AC**

Relative: RCRA-SQG:
Lower

Date Form Received by Agency:	20140116
Handler Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Handler Address:	2401 NEPTUNE AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYR000207621
Contact Name:	BERNARD P ORLAN
Contact Address:	VERNON BLVD 3RD FL

Actual:
1 ft.

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **1016455657**

Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-361-3808
Contact Fax:		718-361-3844
Contact Email:		BORLAN@SCHOOLS.NYC.GOV
Contact Title:		DIRECTOR ENVIRONMENTAL HEALTH AND SAFETY
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		VERNON BLVD 3RD FL
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYC DOE	
Owner Type:		Municipal
Operator Name:	NYC DOE	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **1016455657**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150323
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC DOE	
Legal Status:	Municipal
Date Became Current:	20030901
Date Ended Current:	Not reported

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **1016455657**

Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC DOE	
Legal Status:	Municipal
Date Became Current:	20030901
Date Ended Current:	Not reported
Owner/Operator Address:	44-36 VERNON BLVD
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101
Owner/Operator Telephone:	718-361-3808
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140116
Handler Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	611110
NAICS Description:	ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110058879851

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **1016455657**

corrective action activities required under RCRA.

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016455657
Registry ID:	110058879851
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110058879851
Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Address:	2401 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224

AC151 **I.S. 239 - BROOKLYN K239** **NY AST** **A100194218**
NE **2401 NEPTUNE AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.140 mi.
737 ft. **Site 3 of 4 in cluster AC**

Relative:
Lower

Actual:
1 ft.

AST:

Name:	I.S. 239 - BROOKLYN K239
Address:	2401 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-607190
Program Type:	PBS
UTM X:	585280.32949
UTM Y:	4492447.53914
Expiration Date:	11/20/2026
Site Type:	School

Affiliation Records:

Site Id:	29043
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	JOSEPH YOUNGHESE
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5751
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2022-03-15

Site Id:	29043
Affiliation Type:	Facility Operator
Company Name:	JUNIOR HIGH SCHOOL 239 - BROOKLYN K239
Contact Type:	Not reported
Contact Name:	ROBERT MISTRETTA
Address1:	Not reported
Address2:	Not reported
City:	Not reported

I.S. 239 - BROOKLYN K239 (Continued) **A100194218**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 946-4076
EMail: Not reported
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2021-12-22

Site Id: 29043
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: KEN MAHADEO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (646) 210-7918
EMail: Not reported
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2021-12-22

Site Id: 29043
Affiliation Type: Mail Contact
Company Name: NYC DEPARTMENT OF EDUCATION
Contact Type: MANAGER, FUEL DIVISION
Contact Name: JOSEPH YOUNGHESE
Address1: FIELD OPERATIONS - FUEL DIVISION
Address2: 44-36 VERNON BOULEVARD
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 349-5751
EMail: JYOUNGHESE@SCHOOLS.NYC.GOV
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2021-12-22

Tank Info:

Tank Number: 001
Tank Id: 62482
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
E00 - Piping Secondary Containment - None

I.S. 239 - BROOKLYN K239 (Continued) **A100194218**

K01 - Spill Prevention - Catch Basin
I02 - Overfill - High Level Alarm
G02 - Tank Secondary Containment - Vault (w/access)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
L99 - Piping Leak Detection - Other
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/01/2001
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JSMACRI
Last Modified:	12/22/2021
Material Name:	#2 fuel oil (on-site consumption)

AD152 **CON EDISON** **NY MANIFEST** **S117737801**
East **2400 MERMAID AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.140 mi.
739 ft. **Site 1 of 3 in cluster AD**

Relative: **Lower**
Actual: **2 ft.**

NY MANIFEST:

Name:	CON EDISON
Address:	2400 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004679395
Facility Status:	Not reported
Location Address 1:	2400 MERMAID AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004679395
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA

CON EDISON (Continued) **S117737801**

Mailing Phone: Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/17/2014
Trans1 Recv Date:	10/17/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/17/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004679395
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774972JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AD153 **CON EDISON** **NY MANIFEST** **S117737802**
East **2400 MERMAID AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.140 mi.
739 ft. **Site 2 of 3 in cluster AD**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	2400 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004679403
Facility Status:	Not reported
Location Address 1:	2400 MERMAID AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004679403
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/17/2014
Trans1 Recv Date:	10/17/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/17/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004679403
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774971JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N

CON EDISON (Continued) **S117737802**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AE154 **NYCHA - CONEY ISLAND HOUSES** **RCRA NonGen / NLR** **1001493620**
SE **3058 W 24TH ST** **FINDS** **NYR000075119**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.145 mi. **NY MANIFEST**
767 ft. **Site 1 of 2 in cluster AE**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - CONEY ISLAND HOUSES	
Handler Address:		3058 W 24TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000075119
Contact Name:		ANTHONY N SOLOMITA
Contact Address:		49TH AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-707-5731
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		49TH AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYCHA	
Owner Type:		Municipal

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Operator Name:	NEW YORK CITY HOUSING AUTHORITY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY HOUSING AUTHORITY
Legal Status: Other
Date Became Current: 19570131
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYCHA
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007-2516
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYCHA
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007-2516
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK HOUSING AUTHORITY
Legal Status: Other
Date Became Current: 19570131
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY HOUSING AUTHORITY
Legal Status: Other
Date Became Current: 19570131
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20060101
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990812
Handler Name: NYCHA - HABER HOUSES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20030707
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	92511
NAICS Description:	ADMINISTRATION OF HOUSING PROGRAMS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID:	110004555419

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001493620
Registry ID:	110004555419
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004555419
Name:	NYCHA - CONEY ISLAND HOUSES
Address:	3058 W 24TH ST
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	NYCHA - CONEY ISLAND HOUSES
Address:	3058 W 24TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000075119
Facility Status:	Not reported
Location Address 1:	3058 W 24TH STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000075119
Mailing Name: NYCHA - CONEY ISLAND HOUSES
Mailing Contact: JOE LURSKI
Mailing Address 1: 23-02 49TH AVE - 5TH FLOOR
Mailing Address 2: TECHNICAL SERVICES DEPT EH&S DIVISION
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 11101
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7187075725

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 09/24/2012
Trans1 Recv Date: 09/24/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/24/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000075119
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NJD002200046
TSDF ID 2: Not reported
Manifest Tracking Number: 010457333JJK
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N
Discr Full Reject Indicator: N
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: H141
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 55
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 1
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AE155 **NYCHA - CONEY ISLAND HOUSES** **NJ MANIFEST** **S117987263**
SE **3058 W 24TH ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.145 mi.
767 ft. **Site 2 of 2 in cluster AE**

Relative:
Higher

Actual:
3 ft.

NJ MANIFEST:

EPA Id:	NYR000075119
Mail Address:	49TH AVE
Mail City/State/Zip:	LONG ISLAND CITY, NY 11101
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	ANTHONY N SOLOMITA
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	010457333JJK
EPA ID:	NYR000075119
Date Shipped:	9/24/2012
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported

NYCHA - CONEY ISLAND HOUSES (Continued) **S117987263**

Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	600.00 Pounds
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	Not reported
Quantity:	600.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	400.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	1,000.00 Pounds
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	Not reported
Quantity:	55.00 gallons

AD156 **CON EDISON** **NY MANIFEST** **S117536979**
East **FO 2850 W 24TH ST** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.150 mi.
791 ft. **Site 3 of 3 in cluster AD**

Relative: NY MANIFEST:
Lower

Name:	CON EDISON
Address:	FO 2850 W 24TH ST
City,State,Zip:	BROOKLYN, NY
Country:	USA
EPA ID:	NYP004695003

Actual:
2 ft.

CON EDISON (Continued) **S117536979**

Facility Status:	Not reported
Location Address 1:	FO 2850 W 24TH ST
Code:	BP
Location Address 2:	V 8160
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004695003
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	11/13/2014
Trans1 Recv Date:	11/13/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/19/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004695003
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002618277GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON (Continued) **S117536979**

Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AF157 **CON EDISON - MANHOLE 42352** **RCRA-LQG** **1016150041**
ESE **2315 SURF AVE** **NY MANIFEST** **NYP004287116**
1/8-1/4 **BROOKLYN, NY 11224**
0.156 mi.
825 ft. **Site 1 of 2 in cluster AF**

Relative: **Higher**

Actual: **3 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 42352
Handler Address:	2315 SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004287116
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

CON EDISON - MANHOLE 42352 (Continued) **1016150041**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

CON EDISON - MANHOLE 42352 (Continued) **1016150041**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130205
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130205
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 42352
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130205
Handler Name: CON EDISON MANHOLE: 42352
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

CON EDISON - MANHOLE 42352 (Continued) **1016150041**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	2315 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004287116
Facility Status:	Not reported
Location Address 1:	2315 SURF AVE
Code:	BP
Location Address 2:	MH 42352
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004287116
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/2013
Trans1 Recv Date:	02/05/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/05/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004287116
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002015982GBF
Import Indicator:	N

CON EDISON - MANHOLE 42352 (Continued) **1016150041**

Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AA158 **KAISER PARK** **NY UST** **U004192373**
SSE **WEST 25TH STREET & BOARDWALK** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.160 mi.
847 ft. **Site 2 of 2 in cluster AA**

Relative:
Higher

Actual:
4 ft.

UST:

Name:	KAISER PARK
Address:	WEST 25TH STREET & BOARDWALK
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-604990 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	585377.03432
UTM Y:	4491657.20194
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	26859
Affiliation Type:	Facility Owner
Company Name:	NYC DEPARTMENT OF PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	830 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK

KAISER PARK (Continued) **U004192373**

State: NY
Zip Code: 10021
Country Code: 001
Phone: (212) 410-8916
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2012-11-09

Site Id: 26859
Affiliation Type: Mail Contact
Company Name: NYC DEPT. OF PARKS & RECREATION
Contact Type: Not reported
Contact Name: GABRIEL RAMOS
Address1: 20 BRONX SHORE ROAD
Address2: RANDALLS ISLAND
City: NEW YORK
State: NY
Zip Code: 10035
Country Code: 001
Phone: (212) 410-8916
EMail: GABRIEL.RAMOS@PARKS.NYC.GOV
Fax Number: Not reported
Modified By: MRBARROW
Date Last Modified: 2016-04-18

Site Id: 26859
Affiliation Type: Facility Operator
Company Name: KAISER PARK
Contact Type: Not reported
Contact Name: LISA MCBAYNE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 946-1353
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2012-11-09

Site Id: 26859
Affiliation Type: Emergency Contact
Company Name: NYC DEPARTMENT OF PARKS & RECREATION
Contact Type: Not reported
Contact Name: GABRIEL RAMOS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 410-8916
EMail: Not reported
Fax Number: Not reported

KAISER PARK (Continued) **U004192373**

Modified By: DMMOLOUG
Date Last Modified: 2013-05-31

Tank Info:

Tank Number: 001
Tank ID: 59285
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1500
Install Date: Not reported
Date Tank Closed: 04/20/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 2711
Common Name of Substance: Biodiesel (Heating, On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 04/14/2017

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None

Tank Number: 002
Tank ID: 65669
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 2500
Install Date: 03/18/2003
Date Tank Closed: 08/14/2014
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 2711
Common Name of Substance: Biodiesel (Heating, On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: HDDUPIGN

KAISER PARK (Continued) **U004192373**

Last Modified: 04/14/2017

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
J02 - Dispenser - Suction Dispenser
B04 - Tank External Protection - Fiberglass
E00 - Piping Secondary Containment - None
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
G04 - Tank Secondary Containment - Double-Walled (Underground)

AF159 **CON EDISON** **RCRA NonGen / NLR** **1019906481**
ESE **W 23RD ST & SURF AVE** **FINDS** **NYP004821514**
1/8-1/4 **BROOKLYN, NY 11212** **ECHO**
0.165 mi.
871 ft. **Site 2 of 2 in cluster AF**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150810
Handler Name:	CON EDISON	
Handler Address:		W 23RD ST & SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11212
EPA ID:		NYP004821514
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

CON EDISON (Continued) **1019906481**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160909
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150810
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

CON EDISON (Continued) **1019906481**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20150810
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069653976

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1019906481
Registry ID:	110069653976
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110069653976
Name:	CON EDISON
Address:	W 23RD ST & SURF AVE
City,State,Zip:	BROOKLYN, NY 11212

AG160 **CON EDISON - VAULT SUBMERSIBLE VS4499** **RCRA-LQG** **1024891576**
ESE **2946 W 23RD ST** **NYP005124250**
1/8-1/4 **BROOKLYN, NY 11224**
0.167 mi.
883 ft. **Site 1 of 6 in cluster AG**

Relative: **Lower**

Actual: **2 ft.**

RCRA-LQG:

Date Form Received by Agency:	20180410
Handler Name:	CON EDISON - VAULT SUBMERSIBLE VS4499
Handler Address:	2946 W 23RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP005124250
Contact Name:	ALYSSA SOTTO
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	Not reported
Contact Email:	SOTTOA@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CON EDISON - VAULT SUBMERSIBLE VS4499 (Continued) **1024891576**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20171026
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: 212-460-2757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private

CON EDISON - VAULT SUBMERSIBLE VS4499 (Continued) **1024891576**

Date Became Current:	20171026
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	212-460-2757
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180410
Handler Name:	CON EDISON - VAULT SUBMERSIBLE VS4499
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

AG161 **CON EDISON - VAULT SUBMERSIBLE VS4499** **NY MANIFEST** **S121968506**
ESE **2946 W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.167 mi.
883 ft. **Site 2 of 6 in cluster AG**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:

Name:	CON EDISON - VAULT SUBMERSIBLE VS4499
Address:	2946 W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP005124250
Facility Status:	Not reported
Location Address 1:	2946 W 23RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

CON EDISON - VAULT SUBMERSIBLE VS4499 (Continued) **S121968506**

NY MANIFEST:

EPAID:	NYP005124250
Mailing Name:	CON EDISON - VAULT SUBMERSIBLE VS4499
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

AG162 **CON EDISON - VAULT VS4457** **NY MANIFEST** **S121967564**
ESE **2946 W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.167 mi.
883 ft. **Site 3 of 6 in cluster AG**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:

Name:	CON EDISON - VAULT VS4457
Address:	2946 W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP005023379
Facility Status:	Not reported
Location Address 1:	2946 W 23RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP005023379
Mailing Name:	CON EDISON - VAULT VS4457
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

AG163 **CON EDISON - VAULT VS4457** **RCRA-LQG** **1024890657**
ESE **2946 W 23RD ST** **NYP005023379**
1/8-1/4 **BROOKLYN, NY 11224**
0.167 mi.
883 ft. **Site 4 of 6 in cluster AG**

Relative: RCRA-LQG:
Lower

Actual:
2 ft.

Date Form Received by Agency:	20180410
Handler Name:	CON EDISON - VAULT VS4457
Handler Address:	2946 W 23RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP005023379
Contact Name:	ALYSSA SOTTO
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	Not reported
Contact Email:	SOTTOA@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CON EDISON - VAULT VS4457 (Continued) **1024890657**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20170123
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: 212-460-2757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private

CON EDISON - VAULT VS4457 (Continued) **1024890657**

Date Became Current:	20170123
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	212-460-2757
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180410
Handler Name:	CON EDISON - VAULT VS4457
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

AH164 **CON EDISON MANHOLE: 65710** **NJ MANIFEST** **S117987027**
WNW **2811 W 32ND ST FRONT OF** **N/A**
1/8-1/4 **BROOKLYN, NY 11207**
0.169 mi.
894 ft. **Site 1 of 3 in cluster AH**

Relative: **Higher**

Actual: **13 ft.**

NJ MANIFEST:

EPA Id:	NYP004278750
Mail Address:	IRVING PL, RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	PHILLIP STANFORD
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported

CON EDISON MANHOLE: 65710 (Continued) **S117987027**

Date Change:	Not reported
Manifest:	
Manifest Number:	001674633GBF
EPA ID:	NYP004278750
Date Shipped:	11/22/2012
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported
Waste:	
Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	Not reported
Quantity:	100.00 gallons

AH165 **CON EDISON MANHOLE: 65710** **RCRA NonGen / NLR** **1016149213**
WNW **2811 W 32ND ST FRONT OF** **FINDS** **NYP004278750**
1/8-1/4 **BROOKLYN, NY 11207** **ECHO**
0.169 mi. **NY MANIFEST**
894 ft. **Site 2 of 3 in cluster AH**

Relative: **Higher**
Actual: **13 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20170728
Handler Name:	CON EDISON MANHOLE: 65710	
Handler Address:		2811 W 32ND ST FRONT OF
Handler City,State,Zip:		BROOKLYN, NY 11207
EPA ID:		NYP004278750
Contact Name:		PHILLIP STANFORD
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		718-802-5196
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SR OFFICE ASSISTANT A X L1-2
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CON EDISON MANHOLE: 65710 (Continued) **1016149213**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171122
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20121122
Handler Name: CON EDISON MANHOLE: 65710	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20170728
Handler Name: CON EDISON MANHOLE: 65710	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No

CON EDISON MANHOLE: 65710 (Continued) **1016149213**

Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055467490

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016149213
Registry ID:	110055467490
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055467490
Name:	CON EDISON MANHOLE: 65710
Address:	2811 W 32ND ST FRONT OF
City,State,Zip:	BROOKLYN, NY 11207

NY MANIFEST:

Name:	FOUGERA PHARMACEUTICALS INC
Address:	2811 W 32ND ST FRONT OF
City,State,Zip:	BROOKLYN, NY 11207
Country:	USA
EPA ID:	NYP004278750
Facility Status:	Not reported
Location Address 1:	2820 W 32ND ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004278750
Mailing Name:	FOUGERA PHARMACEUTICALS INC
Mailing Contact:	TOM TEELING

CON EDISON MANHOLE: 65710 (Continued) **1016149213**

Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	NJD003812047
Generator Ship Date:	11/22/2012
Trans1 Recv Date:	11/22/2012
Trans2 Recv Date:	11/26/2012
TSD Site Recv Date:	11/26/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004278750
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001674633GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AG166 **CAREY GARDENS -NYCHA** **NY LTANKS** **S106384656**
ESE **2955 WEST 23RD ST** **NY Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.173 mi.
914 ft. **Site 5 of 6 in cluster AG**

Relative:
Higher

Actual:
3 ft.

LTANKS:

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9413624 / 1996-07-17
Facility ID:	9413624
Site ID:	105689
Spill Date:	1994-01-12
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1995-01-12
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-01-12
Spill Record Last Update:	2005-12-23
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	121579
DEC Memo:	""
Remarks:	"LEAK RATE +.245 GPH, TANK #1"

All TTF:

Facility ID:	9413624
Spill Number:	9413624
Spill Tank Test:	1543529
Site ID:	105689
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported

CAREY GARDENS -NYCHA (Continued) **S106384656**

Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	105689
Operable Unit ID:	1011192
Operable Unit:	01
Material ID:	372367
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9604664 / 2005-03-17
Facility ID:	9604664
Site ID:	105690
Spill Date:	1996-07-09
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1996-07-09
CID:	282
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1996-07-09
Spill Record Last Update:	2005-12-23
Spiller Name:	FRANK OCELLO
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	DON FORTE
Spiller Phone:	(212) 306-8894
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	121579
DEC Memo:	"This spill closed to consolidate with open spill no. 0206040 (contaminated soil found during tank pull). - J. Kolleeny 3/17/05"
Remarks:	"housing project is where he did the test.tank contains number 2 fuel oil oil in tank is 18486 gallons "

CAREY GARDENS -NYCHA (Continued) **S106384656**

All TTF:

Facility ID:	9604664
Spill Number:	9604664
Spill Tank Test:	1544628
Site ID:	105690
Tank Number:	1
Tank Size:	19539
Material:	Not reported
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	-7.50
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9414548 / 2003-10-27
Facility ID:	9414548
Site ID:	231395
Spill Date:	1995-02-03
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	SACCACIO
Referred To:	Not reported
Reported to Dept:	1995-02-03
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-02-03
Spill Record Last Update:	2005-12-23
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	121579
DEC Memo:	""
Remarks:	"FAILED DUE TO ERRATIC TEMP. WILL BE RETESTED."

CAREY GARDENS -NYCHA (Continued) **S106384656**

All TTF:

Facility ID:	9414548
Spill Number:	9414548
Spill Tank Test:	1543597
Site ID:	231395
Tank Number:	002
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	231395
Operable Unit ID:	1008125
Operable Unit:	01
Material ID:	373284
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0400233 / 2006-01-17
Facility ID:	0400233
Facility Type:	ER
DER Facility ID:	121579
Site ID:	161239
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2004-04-07
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2004-04-07
CID:	73
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported

CAREY GARDENS -NYCHA (Continued) **S106384656**

Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-04-08
Spill Record Last Update:	2006-01-17
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	RALPH TROCCHIO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY HA (McInnis) says that valve in the return line was in the wrong position, causing fuel to enter the full tank. Unknown why the alarm did not sound. George Breen 01/17/06: This spill transferred from J.Kolleeny to S.Kraszewski. Reviewed NYCHA spill report and invoice from Clean Venture, consultant hired to clean up the spill. Area was cleaned up properly and work performed is reflected in the invoice. Ok to close out. - SK "
Remarks:	"CALLER REPORTS OVER FLOW FROM VENT PIPE CAUSED APPROX 50-75 GAL OF FUEL OIL TO SPILL ONTO SOIL. MOST OF THE SPILL WAS ABSORBED BY SOIL. SPILL IS CONTAINED - NO ACTIVE LEAK. FIRE DEPT IS CLEANING UP WHAT THEY CAN. FD UIS WAITING FOR DEP AND HOUSING AUTHORITY REP TO ARRIVE."
	Not reported

All Materials:

Site ID:	161239
Operable Unit ID:	884624
Operable Unit:	01
Material ID:	495020
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	75.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0206040 / 2015-10-05
Facility ID:	0206040
Facility Type:	ER
DER Facility ID:	121579
Site ID:	142467
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	2002-09-11
Investigator:	JKKANN
Referred To:	Not reported
Reported to Dept:	2002-09-11
CID:	207

CAREY GARDENS -NYCHA (Continued) **S106384656**

Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-09-11
Spill Record Last Update:	2015-10-05
Spiller Name:	SAME
Spiller Company:	NYC HOUSING AUTH
Spiller Address:	1754 RICHMOND RD
Spiller Company:	001
Contact Name:	RALPH CARLO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY SEE ALSO SPILL NO. 0109738, WHICH WAS CLOSED TO CONSOLIDATE. 11/07/05: This spill transferred from J.Kolleeny to S.Kraszewski. 12/23/05: ISRP from 1997 reveals 9 borings and 5 MWs were installed. Thin fimls of product and olfactory contamination was present. Six volatile compound detected in three of the borings. All exceeded STARS levels; TPH ranged from 28ppm to 3.0% in impacted soils. Three wells contained ten volatile compounds, and seven of them met or exceeded GW quality standards. Recommended product removal vai vaccum or pump, monitor GW for six months and removal of impacted soils when tanks are excavated. Notes from hotline report indicate contractor noticed odor and sheen. Says that test results from stockpile came back contaminated. No paperwork on report is available nor is there any site assessment. - SK 09/27/06: Spill no. 0400233 at this site (April 7, 2004), occurred during tank overfill when oil came out vent pipe and fill pipe. Spill was closed because NYCHA spill report indicated cleanup was done and contaminated soil removed. However, my field notes indicate that not all contaminated soil was dug out; PID readings after soil was excavated were up to 90 ppm and no end-point samples were collected. Site near the beach and groundwater is shallow, possibly impacted by this spill. Potential groundwater impacts must be investigated. This spill should be tracked under this spill number. - J. Kolleeny 6/11/09: JKann - Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 01/28/2010: Remediation and other associated clean-up activities linked to this spill number is now under the oversight of Moses Ajoku, all correspondence related this case should be addressed to me. (MA) 7/15/13: J.Kann - spill transferred from Moses Ajoku to J.Kann. 12/30/13: J.kann - approved IWP. SIR due 6/30/14. 01/07/14: Site included in multi-site stip 6/4/15: J.Kann - Phase II submitted on 12/16/14. REport reviewed. Some slightly elevated SVOCs detected in soils and some in groundwater. A second round of groudnwater sampling from the 4 on site wells was requested from NYCHA on 6/4/15. Results are due by 6/30/15. 8/3/15: J.Kann - Results of gw sampling submitted on 7/7/15. 10/5/15: J.Kann - Samples collected in the 2nd round of groundwater sampling were below TOGS 1.1.1. Closure was requested by NYCHA. Based on review of the Phase II and the second round of groundwater sampling, no further action is necessary. Spill closed."
Remarks:	"CONTAMINATED SOIL FROM TANK PULL FOUND AT THE BASE OF THE TANK "

CAREY GARDENS -NYCHA (Continued) **S106384656**

All Materials:

Site ID:	142467
Operable Unit ID:	857627
Operable Unit:	01
Material ID:	516654
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

167
SW
1/8-1/4
0.174 mi.
918 ft.

CON EDISON - MANHOLE 42321
WEST 35TH ST
BROOKLYN, NY 11224

RCRA-LQG **1016150250**
NY MANIFEST **NYP004289229**

Relative:
Higher

Actual:
5 ft.

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 42321
Handler Address:	WEST 35TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004289229
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

CON EDISON - MANHOLE 42321 (Continued) **1016150250**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

CON EDISON - MANHOLE 42321 (Continued) **1016150250**

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130214
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130214
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 42321
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130214
Handler Name: CON EDISON MANHOLE: 42321
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130314
Handler Name: CON EDISON MANHOLE: 42321
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY

CON EDISON - MANHOLE 42321 (Continued) **1016150250**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	SURF AVE & W 35TH ST SW COR
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004289229
Facility Status:	Not reported
Location Address 1:	SW COR SURF AVE & W 35TH ST
Code:	BP
Location Address 2:	MH # 42321
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004289229
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047

CON EDISON - MANHOLE 42321 (Continued) **1016150250**

Trans2 State ID:	Not reported
Generator Ship Date:	02/14/2013
Trans1 Recv Date:	02/14/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/15/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004289229
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002016420GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AG168 **NYCHA - CAREY GARDENS** **RCRA NonGen / NLR** **1001224067**
East **2945-49 W 23RD ST** **FINDS** **NYR000052837**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.175 mi. **NY MANIFEST**
925 ft. **Site 6 of 6 in cluster AG**

Relative: RCRA NonGen / NLR:
Lower

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - CAREY GARDENS	
Handler Address:		2945-49 W 23RD ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000052837
Contact Name:		Not reported
Contact Address:		BROADWAY

Actual:
2 ft.

NYCHA - CAREY GARDENS (Continued) **1001224067**

Contact City,State,Zip:		NEW YORK, NY 10007
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007
Owner Name:	NYCHA	
Owner Type:		Municipal
Operator Name:	NYCHA	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No

NYCHA - CAREY GARDENS (Continued) **1001224067**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	U240
Waste Description:	2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY 16TH FLOOR
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY 16TH FLOOR
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY 16TH FLOOR

NYCHA - CAREY GARDENS (Continued) **1001224067**

Owner/Operator City,State,Zip: NEW YORK, NY 10007
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19990708
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980330
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

NYCHA - CAREY GARDENS (Continued) **1001224067**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004541791

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001224067
Registry ID:	110004541791
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004541791
Name:	NYCHA - CAREY GARDENS
Address:	2945-49 W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	NYCHA - CAREY GARDENS
Address:	2945-49 W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000052837
Facility Status:	Not reported
Location Address 1:	2945-49 W 23RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000052837
Mailing Name:	NYCHA - CAREY GARDENS
Mailing Contact:	NYCHA - CAREY GARDENS

NYCHA - CAREY GARDENS (Continued) **1001224067**

Mailing Address 1:	2945-49 W 23RD ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7183610044

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	12/12/2008
Trans1 Recv Date:	12/12/2008
Trans2 Recv Date:	12/16/2008
TSD Site Recv Date:	12/16/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000052837
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD980536593
TSDF ID 2:	Not reported
Manifest Tracking Number:	000236814VES
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	120
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AI169 **CONEY ISLAND SITE 8** **NY UST** **U001840675**
WSW **2950 WEST 35TH STREET** **NY AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.179 mi.
943 ft. **Site 1 of 2 in cluster AI**

Relative:
Higher

Actual:
7 ft.

UST:

Name:	CONEY ISLAND SITE 8
Address:	2950 WEST 35TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473987 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584601.21221
UTM Y:	4491901.64256
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20870
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	20870
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20870
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND SITE 8
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported

CONEY ISLAND SITE 8 (Continued) **U001840675**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20870
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-05-01

Tank Info:

Tank Number:	1
Tank ID:	181258
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	8000
Install Date:	12/23/2004
Date Tank Closed:	09/12/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DAFRANCI
Last Modified:	10/11/2018

Equipment Records:

J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double walled UG

CONEY ISLAND SITE 8 (Continued) **U001840675**

F00 - Pipe External Protection - None
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
H05 - Tank Leak Detection - In-Tank System (ATG)
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None

Tank Number:	OLD 1
Tank ID:	37580
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	15000
Install Date:	12/01/1973
Date Tank Closed:	11/01/2004
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

AST:

Name:	CONEY ISLAND SITE 8
Address:	2950 WEST 35TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-473987
Program Type:	PBS
UTM X:	584601.21221
UTM Y:	4491901.64256
Expiration Date:	N/A

CONEY ISLAND SITE 8 (Continued) **U001840675**

Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 20870
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: FUEL OIL REMEDIATION COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2019-04-19

Site Id: 20870
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: 5TH FLOOR
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: YELENA.TKACH@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-11

Site Id: 20870
Affiliation Type: Facility Operator
Company Name: CONEY ISLAND SITE 8
Contact Type: Not reported
Contact Name: NEW YORK CITY HOUSING AUTHORITY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-11

Site Id: 20870
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: Not reported

CONEY ISLAND SITE 8 (Continued) **U001840675**

Contact Name:	EMERGENCY SERVICE DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-05-01

Tank Info:

Tank Number:	2
Tank Id:	246406
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	L09 - Piping Leak Detection - Exempt Suction Piping E00 - Piping Secondary Containment - None H00 - Tank Leak Detection - None J03 - Dispenser - Gravity C01 - Pipe Location - Aboveground F00 - Pipe External Protection - None I05 - Overfill - Vent Whistle K00 - Spill Prevention - None G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground) A00 - Tank Internal Protection - None B01 - Tank External Protection - Painted/Asphalt Coating D01 - Pipe Type - Steel/Carbon Steel/Iron
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/20/2012
Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	07/03/2012
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

Tank Number:	T1
Tank Id:	60316
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

CONEY ISLAND SITE 8 (Continued) **U001840675**

Equipment Records:

J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
G01 - Tank Secondary Containment - Diking (Aboveground)
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I03 - Overfill - Automatic Shut-Off

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/01/2000
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/30/2004
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

AI170 **APARTMENT -NYCHA** **NY LTANKS** **S100146785**
WSW **2950 WEST 35TH STREET** **NY Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.179 mi.
943 ft. **Site 2 of 2 in cluster AI**

Relative:
Higher

Actual:
7 ft.

LTANKS:

Name:	O'DWYER -NYCHA
Address:	2950 WEST 35TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9011619 / 2011-05-26
Facility ID:	9011619
Site ID:	86534
Spill Date:	1991-02-05
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	SEE ALSO 0408649
Reported to Dept:	1991-02-05
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False

APARTMENT -NYCHA (Continued) **S100146785**

Remediation Phase:	0
Date Entered In Computer:	1991-02-11
Spill Record Last Update:	2011-05-26
Spiller Name:	Not reported
Spiller Company:	NYCHA
Spiller Address:	250 BROADWAY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	268769
DEC Memo:	"01/24/06: This spill transferred from J.Kolleeny to S.Kraszewski. One TTF in 1990 for 15K tank installed in 1973. ISRP from 1996 shows soil and GW contamination. TPH in soil range from 71ppm to 3.1% in the soil, no SVOCs in soil but 3 VOCs were detected. GW sample detected 3 VOCs from one MW above standards. Monthly monitoring and yearly GW sampling was the verdict. Only one additional round of sampling was performed, which did not detect petroleum compounds above standards. The tank was replaced in 2000 by an 8K tank. A tank assessment was supposedly done also but no results are on file. - SK 03/22/06: This spill transferred to K.Tang - SK 09/23/10: J.Kann - spill transferred from K. Tang to J.Kann. 05/26/11: J.Kann - This site contained a 15,000 No. 4 fuel oil tank which was removed in 2004 and replaced with an 8,000 gallon No. 2 fuel oil tank. This spill was called in after the 15,000 gallon tank failed tightness testing in 1990. Based on review of all available information, No. 4 fuel oil was stored originally and was the oil spilled. Another spill was called in after contaminated soils were encountered during tank replacement activities in 2004 - spill no 0408649. A field investigation was performed by Athenica for NYCHA in 2010. As a part of this investigation, five soil borings were advanced and three wells installed. One soil sample collected west of the tank contained low levels of PAHs above RSCOs. Groundwater (shallow-approx 7 ft bgs) collected in this location did not contain VOCs or SVOCs. All other soil samples collected contained PAHs below RSCOs. All groundwater samples were non-detect for SVOCs and VOCs with the exception of a detection of pyrene, which was below Class GA standards. Athenica s investigation supplements two previous investigations performed at the site one in 1995 by TRC and one in 2004 by Kosuri Engineering. Based on review of historic information contained in the file, and review of Athenica s Site Assessment Report, the spills were closed. Discussed site with Joe O'connell prior to spill closure - he concurs. NFA."
Remarks:	"15K TANK,SYSTEM TEST, FAILED HORNER EZY CHECK WITH A GROSS LEAK, NO ACTION YET DETERMINED."

All TTF:

Facility ID:	9011619
Spill Number:	9011619
Spill Tank Test:	1538223
Site ID:	86534
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported

APARTMENT -NYCHA (Continued) **S100146785**

Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	86534
Operable Unit ID:	951618
Operable Unit:	01
Material ID:	428152
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	APARTMENT -NYCHA
Address:	2950 WEST 35TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0408649 / 2011-05-26
Facility ID:	0408649
Facility Type:	ER
DER Facility ID:	268769
Site ID:	333540
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2004-11-05
Investigator:	jkkann
Referred To:	SEE ALSO 9011619
Reported to Dept:	2004-11-05
CID:	444
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-11-08
Spill Record Last Update:	2011-05-26
Spiller Name:	JAMES GILMORE
Spiller Company:	APARTMENT
Spiller Address:	2950 WEST 31ST STREET
Spiller Company:	001

APARTMENT -NYCHA (Continued) **S100146785**

Contact Name:	JAMES GILMORE
DEC Memo:	"Project assigned to Central Office; no work or assignment done by them; transferred back to Region 2. 10/11/06 - Austin - Reassigned from Central Office staff to Patel, for follow up and closure - end 10/12/06 - Kann - reassigned from Patel to Kann - spill under consent order. 6/11/09: JKann - Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 6/10/10 J.Kann - Comments sent to NYCHA on work plan (edoced). Revised plan due July 10. 8/2/10: J.Kann - Revised plan submitted July 27, 2010 and approved in an email dated August 2, 2010. 1/28/11: J.Kann - SAR received on 1/28/11 and edoced. 5/26/11: J.Kann - This site contained a 15,000 No. 4 fuel oil tank which was removed in 2004 and replaced with an 8,000 gallon No. 2 fuel oil tank. This spill was called in after contaminated soils were encountered during tank replacement activities in 2004. (An earlier spill -9011619) was called in after the 15,000 gallon tank failed tightness testing in 1990. Based on review of all available information, No. 4 fuel oil was stored originally and was the oil type spilled. A field investigation was performed by Athenica for NYCHA in 2010. As a part of this investigation, five soil borings were advanced and three wells installed. One soil sample collected west of the tank contained low levels of PAHs above RSCOs. Groundwater (shallow-approx 7 ft bgs) collected in this location did not contain VOCs or SVOCs. All other soil samples collected contained PAHs below RSCOs. All groundwater samples were non-detect for SVOCs and VOCs with the exception of a detection of pyrene, which was below Class GA standards. Athenica s investigation supplements two previous investigations performed at the site one in 1995 by TRC and one in 2004 by Kosuri Engineering. Based on review of historic information contained in the file, and review of Athenica s Site Assessment Report, the spill was closed. Discussed site with Joe O'connell prior to spill closure - he concurs. NFA."
Remarks:	"during excavation found some contamnation: while removing"

All Materials:

Site ID:	333540
Operable Unit ID:	1095694
Operable Unit:	01
Material ID:	575821
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AJ171 **CON EDISON MANHOLE: 36354** **RCRA NonGen / NLR** **1016972429**
East **2302 MERMAID AVE** **NY MANIFEST** **NYP004462016**
1/8-1/4 **BROOKLYN, NY 11224**
0.179 mi.
945 ft. **Site 1 of 3 in cluster AJ**

Relative: **Lower**

Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140410
Handler Name:	CON EDISON MANHOLE: 36354	
Handler Address:		2302 MERMAID AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004462016
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CON EDISON MANHOLE: 36354 (Continued) **1016972429**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20141014
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20140310
Handler Name:	CON EDISON MANHOLE: 36354
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140410
Handler Name:	CON EDISON MANHOLE: 36354
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported

CON EDISON MANHOLE: 36354 (Continued) **1016972429**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: 2302 MERMAID AVE
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004462016
Facility Status: Not reported
Location Address 1: F/O 2302 MERMAID AVE
Code: BP
Location Address 2: SB36354
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004462016
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING ST
Mailing Address 2: 15TH ST
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 03/10/2014
Trans1 Recv Date: 03/10/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/17/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004462016

CON EDISON MANHOLE: 36354 (Continued) **1016972429**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002360515GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	250
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AC172 **NEPTUNE PUMPING STATION** **NY TANKS** **U001841868**
NE **2327 NEPTUNE AVE** **N/A**
1/8-1/4 **CONEY ISLAND, NY 10013**
0.182 mi.
959 ft. **Site 4 of 4 in cluster AC**

Relative: **Lower**
Actual: **1 ft.**

TANKS:

Name:	NEPTUNE PUMPING STATION
Address:	2327 NEPTUNE AVE
City,State,Zip:	CONEY ISLAND, NY 10013
Facility Id:	2-601313
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	02/05/1998
UTM X:	585375.70009
UTM Y:	4492379.07617

AK173 **SURFSIDE HOUSES -NYCHA** **NY LTANKS** **S118953726**
West **2839 W 33RD STREET** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.185 mi.
975 ft. **Site 1 of 3 in cluster AK**

Relative: **Higher**

Actual: **8 ft.**

LTANKS:

Name:	SURFSIDE HOUSES -NYCHA
Address:	2839 W 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9102831 / 2015-06-05
Facility ID:	9102831
Site ID:	303978
Spill Date:	1991-06-11
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	1991-06-11
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-06-11
Spill Record Last Update:	2015-06-05
Spiller Name:	Not reported
Spiller Company:	NYCHA/FRANK CELLO
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	245604
DEC Memo:	"01/20/06: This spill transferred from J.Kolleeny to S.Kraszewski. One active 20K tank installed in 1969 with one TTF in 1991. An ISRP performed in 1997 developed 4 borings and 3 MWs. 2 soil samples were analyzed and found no VOCs or SVOCs. TPH ranged from 41 to 137ppm. One VOC compound was detected in a GW samples equal to the AWQS. NO SVOCs detected in GW. In 2000, another 20K tank was installed at the site. No other TTFs on record for this site. Need additional information from NYCHA before closing this spill. - SK 03/22/06: This spill transferred to K.Tang - SK 09/23/10: J.Kann - spill transferred from K. Tang to J.Kann. 6/5/15: J.Kann - reviewed site file. File indicates that the Department agreed to NFA after the initial ISRP in 1997 was reviewed. The spill was only to stay open until the tank was retested. It is not clear if/when the tank was retested, but it was removed and replaced in 2000. No additional spills were called in for the site related to the tank (at one point a surface spill was called in and immediately cleaned) As discussed above, no impacts to grounwater were detected in the ISRP witht the exception of t-butylbezene at 5ppb (TOGS 5ppb). Spill closed. "

SURFSIDE HOUSES -NYCHA (Continued) **S118953726**

Remarks:	"GROSS FAILURE 20K TANK EX, IS, & RETEST"

All TTF:

Facility ID:	9102831
Spill Number:	9102831
Spill Tank Test:	1538649
Site ID:	303978
Tank Number:	001
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	303978
Operable Unit ID:	953654
Operable Unit:	01
Material ID:	425320
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AJ174 **CON EDISON** **NY MANIFEST** **S117736533**
East **MERMAID AVE & W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.194 mi.
1024 ft. **Site 2 of 3 in cluster AJ**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	MERMAID AVE & W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004527776
Facility Status:	Not reported
Location Address 1:	S/INT MERMAID AVE & W 23 S
Code:	BP
Location Address 2:	T
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

CON EDISON (Continued) **S117736533**

NY MANIFEST:

EPAID:	NYP004527776
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	05/09/2014
Trans1 Recv Date:	05/09/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/15/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004527776
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012770568JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	Y
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2777
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	Not reported

CON EDISON (Continued) **S117736533**

Waste Code 1_2:	D008
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AJ175 **CON EDISON MANHOLE: 53063** **RCRA NonGen / NLR** **1017774957**
East **MERMAID AVE & W 23RD ST** **NYP004527776**
1/8-1/4 **BROOKLYN, NY 11224**
0.194 mi.
1024 ft. **Site 3 of 3 in cluster AJ**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140609
Handler Name:	CON EDISON MANHOLE: 53063	
Handler Address:		MERMAID AVE & W 23RD ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004527776
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

CON EDISON MANHOLE: 53063 (Continued) **1017774957**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150211
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20140509
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140509
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified

CON EDISON MANHOLE: 53063 (Continued) **1017774957**

State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140609
Handler Name:	CON EDISON MANHOLE: 53063
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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176 **SPECIAL HOSPITAL** **FUDS** **1024899362**
SE **N/A**
1/8-1/4 **NO CITY, NY**
0.199 mi.
1051 ft.

Relative:
Higher

Actual:
4 ft.

FUDS:

EPA Region:	2
Installation ID:	NY29799F956200
Congressional District Number:	8
Name:	SPECIAL HOSPITAL
FUDS Number:	C02NY1101
City:	NO CITY
State:	NY
County:	KINGS
Object ID:	6752
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=54339
Eligibility:	Eligible
Has Projects:	No

SPECIAL HOSPITAL (Continued) **1024899362**

NPL Status: Not on the NPL
Property History: The former Half Moon Hotel was utilized by the Department of the Navy during WWII for treatment of wounded and ill servicemen and women. The facility was a special treatment unit for various unusual wounds and illnesses.

Project Required: No
Feature Description: Not reported
Latitude: 40.57194444
Longitude: -73.98944444

AH177 **NYNEX** **NY MANIFEST** **1009234561**
WNW **32ND ST & NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.199 mi.
1053 ft. **Site 3 of 3 in cluster AH**

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:
Name: NYNEX
Address: 32ND ST & NEPTUNE AVE
City,State,Zip: BROOKLYN, NY
Country: USA
EPA ID: NYP000932574
Facility Status: Not reported
Location Address 1: 32ND ST & NEPTUNE AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP000932574
Mailing Name: NYNEX
Mailing Contact: V ORCHIER
Mailing Address 1: 221 EAST 37TH STREET
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10016
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2123387126

AL178 **NEPTUNE AVENUE PUMPING STATION** **RCRA NonGen / NLR** **1000694468**
NE **2327 NEPTUNE AVE** **FINDS** **NYD987007960**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.201 mi. **NY MANIFEST**
1059 ft. **Site 1 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20070101
Handler Name:	NEPTUNE AVENUE PUMPING STATION
Handler Address:	2327 NEPTUNE AVE
Handler City,State,Zip:	BROOKLYN, NY 11224-2313
EPA ID:	NYD987007960
Contact Name:	Not reported
Contact Address:	KENT AVE
Contact City,State,Zip:	BROOKLYN, NY 11211
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Municipal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	KENT AVE
Mailing City,State,Zip:	BROOKLYN, NY 11211
Owner Name:	DEPT OF GENERAL SERVICES
Owner Type:	Municipal
Operator Name:	DEPT OF GENERAL SERVICES
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DEPT OF GENERAL SERVICES
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ONE CENTER ST
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-669-2482
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DEPT OF GENERAL SERVICES
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: ONE CENTER ST
Owner/Operator City,State,Zip: NEW YORK, NY 10007
Owner/Operator Telephone: 212-669-2482
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DEPT OF GENERAL SERVICES
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: ONE CENTER ST
Owner/Operator City,State,Zip: NEW YORK, NY 10007
Owner/Operator Telephone: 212-669-2482
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990708
Handler Name: NEPTUNE AVENUE PUMPING STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: NEPTUNE AVENUE PUMPING STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NEPTUNE AVENUE PUMPING STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920713
Handler Name: NEPTUNE AVENUE PUMPING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Records/Reporting
Date Violation was Determined: 19930430
Actual Return to Compliance Date: 19930804
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19930804
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: NYGBR
Enforcement Responsible Sub-Organization: TS
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200

Evaluation Action Summary:

Evaluation Date:	19930430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	TS
Actual Return to Compliance Date:	19930804
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:

Registry ID: 110004492264

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000694468
Registry ID:	110004492264
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004492264
Name:	NEPTUNE AVENUE PUMPING STATION
Address:	2327 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	NYC OFFICE OF GENERAL SERVICE
Address:	2327 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224-2313
Country:	USA
EPA ID:	NYD987007960
Facility Status:	Not reported
Location Address 1:	23-27 NEPTUNE AVE PLUMB SVC
Code:	BP
Location Address 2:	Not reported

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD987007960
Mailing Name: NYC OFFICE OF GENERAL SERVICE
Mailing Contact: N/S
Mailing Address 1: 390 KENT AVENUE
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11211
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7189639247

AM179 **POLICE SERVICE AREA #1 NYPD HOUSING BUREAU** **NY AST** **U004151159**
ENE **2860 WEST 23RD STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.208 mi.
1098 ft. **Site 1 of 5 in cluster AM**

Relative:
Lower

Actual:
1 ft.

AST:
Name: POLICE SERVICE AREA #1 NYPD HOUSING BUREAU
Address: 2860 WEST 23RD STREET
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-611292
Program Type: PBS
UTM X: 585463.45662
UTM Y: 4492214.47630
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 426316
Affiliation Type: Facility Owner
Company Name: NYC HOUSING AUTHORITY
Contact Type: SUPERVISOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-23

Site Id: 426316

POLICE SERVICE AREA #1 NYPD HOUSING BUREAU (Continued) **U004151159**

Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	FUEL OIL REMEDIATION UNIT COORDINATOR
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-03-20

Site Id:	426316
Affiliation Type:	Facility Operator
Company Name:	POLICE SERVICE AREA #1 NYPD HOUSING BUREAU
Contact Type:	Not reported
Contact Name:	FUEL OIL REMEDIATION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2015-01-28

Site Id:	426316
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2010-07-28

Tank Info:

Tank Number:	1
Tank Id:	233458
Material Code:	0008
Common Name of Substance:	Diesel

POLICE SERVICE AREA #1 NYPD HOUSING BUREAU (Continued) **U004151159**

Equipment Records:
I00 - Overfill - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
G02 - Tank Secondary Containment - Vault (w/access)
K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

Tank Location: Aboveground in subterranean vault with access for inspections.....
Tank in subterranean vault but accessible for inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 10/01/1995
Capacity Gallons: 2500
Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 01/31/2019
Register: True
Modified By: DAFRANCI
Last Modified: 03/20/2019
Material Name: diesel

Tank Number: 2
Tank Id: 278191

Equipment Records:
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
D11 - Pipe Type - Flexible Piping
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 11/01/2017
Capacity Gallons: 1065
Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported

POLICE SERVICE AREA #1 NYPD HOUSING BUREAU (Continued) **U004151159**

Date Tank Closed:	Not reported
Register:	True
Modified By:	DAFRANCI
Last Modified:	10/23/2018
Material Name:	#2 fuel oil (on-site consumption)

AM180 **CON EDISON - MANHOLE 53062** **RCRA-LQG** **1016450297**
ENE **2860 WEST 23RD ST** **NY MANIFEST** **NYP004293213**
1/8-1/4 **BROOKLYN, NY 11224**
0.208 mi.
1098 ft. **Site 2 of 5 in cluster AM**

Relative: **Lower**
Actual: **1 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 53062
Handler Address:	2860 WEST 23RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004293213
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported

CON EDISON - MANHOLE 53062 (Continued) **1016450297**

Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130313
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported

CON EDISON - MANHOLE 53062 (Continued) **1016450297**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130313
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 53062
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130313
Handler Name: CON EDISON MANHOLE: 53062
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130413
Handler Name: CON EDISON MANHOLE: 53062
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

CON EDISON - MANHOLE 53062 (Continued) **1016450297**

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: 2860 W 23RD ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004293213
Facility Status: Not reported
Location Address 1: 2860 WEST 23RD ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004293213
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 03/13/2013
Trans1 Recv Date: 03/13/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/14/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004293213
Trans1 EPA ID: Not reported

CON EDISON - MANHOLE 53062 (Continued) **1016450297**

Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002016627GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	900
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AL181 **ROBIN BUS CO** **RCRA NonGen / NLR** **1000554272**
ENE **2302 NEPTUNE AVE** **FINDS** **NYD986967339**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.212 mi. **NY MANIFEST**
1117 ft. **Site 2 of 7 in cluster AL**

Relative: **Lower**
Actual: **1 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	ROBIN BUS CO	
Handler Address:		2302 NEPTUNE AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-2314
EPA ID:		NYD986967339
Contact Name:		Not reported
Contact Address:		NEPTUNE AVE
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported

ROBIN BUS CO (Continued) **1000554272**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		NEPTUNE AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	2302 NEPTUNE AVE	
Owner Type:		Private
Operator Name:	2302 NEPTUNE AVE	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

ROBIN BUS CO (Continued) **1000554272**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: 2302 NEPTUNE AVE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	UNKNOWN
Owner/Operator City,State,Zip:	UNKNOWN, NY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: 2302 NEPTUNE AVE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	UNKNOWN
Owner/Operator City,State,Zip:	UNKNOWN, NY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: 2302 NEPTUNE AVE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	UNKNOWN
Owner/Operator City,State,Zip:	UNKNOWN, NY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ROBIN BUS CO (Continued) **1000554272**

Historic Generators:

Receive Date:	19990708
Handler Name: ROBIN BUS CO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060101
Handler Name: ROBIN BUS CO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20070101
Handler Name: ROBIN BUS CO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19910710
Handler Name: ROBIN BUS CO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

ROBIN BUS CO (Continued) **1000554272**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004474630

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000554272
Registry ID:	110004474630
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004474630
Name:	ROBIN BUS CO
Address:	2302 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	ROBIN BUX CO
Address:	2302 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224-2314
Country:	USA
EPA ID:	NYD986967339
Facility Status:	Not reported
Location Address 1:	2302 NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986967339
Mailing Name:	ROBIN BUX CO
Mailing Contact:	VINCENT BONSIGNORE
Mailing Address 1:	2302 NEPTUNE AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported

ROBIN BUS CO (Continued) **1000554272**

Mailing Country:	USA
Mailing Phone:	7189963915

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	PAD982661381
Trans2 State ID:	NJ0000027193
Generator Ship Date:	10/20/2017
Trans1 Recv Date:	10/20/2017
Trans2 Recv Date:	10/25/2017
TSD Site Recv Date:	10/25/2017
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986967339
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	RID040098352
TSDF ID 2:	Not reported
Manifest Tracking Number:	010841297FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	16
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	Not reported
Waste Code 1_2:	D001
Waste Code 1_3:	D005
Waste Code 1_4:	D022
Waste Code 1_5:	D007
Waste Code 1_6:	D024

AN182
ESE
1/8-1/4
0.217 mi.
1144 ft.

CON EDISON
3054 W 22ND ST
BROOKLYN, NY 11224

Site 1 of 3 in cluster AN

NJ MANIFEST **S120673291**
N/A

Relative:
Higher

Actual:
3 ft.

NJ MANIFEST:

EPA Id:	NYP004800157
Mail Address:	IRVING PL 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	002619809GBF
EPA ID:	NYP004800157
Date Shipped:	6/29/2015
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported

CON EDISON (Continued) **S120673291**

Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

AN183 **CON EDISON** **RCRA NonGen / NLR** **1019904612**
ESE **3054 W 22ND ST** **FINDS** **NYP004800157**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.217 mi.
1144 ft. **Site 2 of 3 in cluster AN**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150629
Handler Name:	CON EDISON	
Handler Address:		3054 W 22ND ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004800157
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

CON EDISON (Continued) **1019904612**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160909
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150629
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20150629
Handler Name: CON EDISON	

CON EDISON (Continued) **1019904612**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069642729

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1019904612
Registry ID:	110069642729
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110069642729
Name:	CON EDISON
Address:	3054 W 22ND ST
City,State,Zip:	BROOKLYN, NY 11224

AN184 **CON EDISON** **NY MANIFEST** **S118257307**
ESE **3054 W 22ND ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.217 mi.
1144 ft. **Site 3 of 3 in cluster AN**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	3054 W 22ND ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004800157

CON EDISON (Continued) **S118257307**

Facility Status:	Not reported
Location Address 1:	3054 W 22ND ST
Code:	BP
Location Address 2:	SB 53051
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004800157
Mailing Name:	CON EDISON
Mailing Contact:	DENNIS HUACON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	06/29/2015
Trans1 Recv Date:	06/29/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/06/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004800157
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002619809GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON (Continued) **S118257307**

Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	40
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AO185 **CON EDISON** **RCRA NonGen / NLR** **1018281114**
ESE **SURF AVE & 21ST ST** **FINDS** **NYP004760468**
1/8-1/4 **BROOKLYN, NY 11235** **ECHO**
0.220 mi.
1160 ft. **Site 1 of 5 in cluster AO**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150330
Handler Name:	CON EDISON	
Handler Address:		SURF AVE & 21ST ST
Handler City,State,Zip:		BROOKLYN, NY 11235
EPA ID:		NYP004760468
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

CON EDISON (Continued) **1018281114**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160502
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150330
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

CON EDISON (Continued) **1018281114**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150330
Handler Name: CON EDISON
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110067687257

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1018281114
Registry ID: 110067687257
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067687257
Name: CON EDISON
Address: SURF AVE & 21ST ST
City,State,Zip: BROOKLYN, NY 11235

Envid: 1018281114
Registry ID: 110067687266
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067687266

CON EDISON (Continued) **1018281114**

Name: CON EDISON
Address: W 22ND ST & SURF AVE
City,State,Zip: BROOKLYN, NY 11224

AO186 **CON EDISON** **RCRA NonGen / NLR** **1018281116**
ESE **SURF AVE & 22ND ST** **NYP004760484**
1/8-1/4 **BROOKLYN, NY 11235**
0.220 mi.
1160 ft. **Site 2 of 5 in cluster AO**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150330
Handler Name:	CON EDISON	
Handler Address:		SURF AVE & 22ND ST
Handler City,State,Zip:		BROOKLYN, NY 11235
EPA ID:		NYP004760484
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported

CON EDISON (Continued) **1018281116**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160502
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150330
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20150330
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

CON EDISON (Continued) **1018281116**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AO187 **NEW YORK TELEPHONE** **RCRA NonGen / NLR** **1007205151**
ESE **W 22 & SURF AVE** **NY MANIFEST** **NYP000912121**
1/8-1/4 **BROOKLYN, NY 11224**
0.221 mi.
1166 ft. **Site 3 of 5 in cluster AO**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		19940327
Handler Name:	NEW YORK TELEPHONE	
Handler Address:		W 22 & SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-0000
EPA ID:		NYP000912121
Contact Name:		JOHN QUATRALE
Contact Address:		1095 AVENUE OF THE AMERICAS
Contact City,State,Zip:		NEW YORK, NY 10036-0000
Contact Telephone:		212-395-2436 x9999
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		1095 AVENUE OF THE AMERICAS
Mailing City,State,Zip:		NEW YORK, NY 10036-0000
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

NEW YORK TELEPHONE (Continued) **1007205151**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	19940325
Handler Name: NEW YORK TELEPHONE	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY

NEW YORK TELEPHONE (Continued) **1007205151**

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940326
Handler Name: NEW YORK TELEPHONE
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940327
Handler Name: NEW YORK TELEPHONE
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 5133
NAICS Description: TELECOMMUNICATIONS

NAICS Code: 51331
NAICS Description: WIRED TELECOMMUNICATIONS CARRIERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: NYNEX
Address: W 22 & SURF AVE
City,State,Zip: BROOKLYN, NY 11224-0000
Country: USA
EPA ID: NYP000912121

NEW YORK TELEPHONE (Continued) **1007205151**

Facility Status: Not reported
Location Address 1: W 22ND ST & SURF AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP000912121
Mailing Name: NYNEX
Mailing Contact: R DEPASO
Mailing Address 1: 1095 AVE OF AMERI
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10036
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2123958544

AM188 **CON EDISON** **NY MANIFEST** **S117318119**
ENE **2832 W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.221 mi.
1169 ft. **Site 3 of 5 in cluster AM**

Relative:
Lower

Actual:
1 ft.

NY MANIFEST:
Name: CON EDISON
Address: 2832 W 23RD ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004656187
Facility Status: Not reported
Location Address 1: 2832 W 23RD ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004656187
Mailing Name: CON EDISON
Mailing Contact: TOM TELLING
Mailing Address 1: 4 IRVING PLACE-15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

CON EDISON (Continued) **S117318119**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2014
Trans1 Recv Date:	09/12/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/16/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004656187
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002617184GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AM189 **CAREY GARDENS** **NY UST** **U000410699**
ENE **2832 WEST 23RD STREET** **NY AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.221 mi.
1169 ft. **Site 4 of 5 in cluster AM**

Relative:
Lower

Actual:
1 ft.

UST:

Name:	CAREY GARDENS
Address:	2832 WEST 23RD STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473871 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	585417.91542
UTM Y:	4492334.58319
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20861
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	20861
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20861
Affiliation Type:	Facility Operator
Company Name:	CAREY GARDENS
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported

CAREY GARDENS (Continued) **U000410699**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20861
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPTARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	718-707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2008-09-15

Tank Info:

Tank Number:	1
Tank ID:	62938
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	10/01/2001
Date Tank Closed:	06/16/2017
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	02/23/2018

Equipment Records:

B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping

CAREY GARDENS (Continued) **U000410699**

C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
L08 - Piping Leak Detection - Tank Top Sump
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number: OLD 1
Tank ID: 37550
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 15000
Install Date: 12/01/1970
Date Tank Closed: 10/01/2001
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

AST:

Name: CAREY GARDENS
Address: 2832 WEST 23RD STREET
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-473871
Program Type: PBS
UTM X: 585417.91542
UTM Y: 4492334.58319
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 20861
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY

CAREY GARDENS (Continued) **U000410699**

Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	20861
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20861
Affiliation Type:	Facility Operator
Company Name:	CAREY GARDENS
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20861
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPTARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

CAREY GARDENS (Continued) **U000410699**

Zip Code:	Not reported
Country Code:	999
Phone:	718-707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2008-09-15

Tank Info:

Tank Number:	T1
Tank Id:	60282
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I03 - Overfill - Automatic Shut-Off

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/01/1999
Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/01/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

AM190 **CAREY GARDENS II -NYCHA** **NY LTANKS** **S105230039**
ENE **2832 WEST 23RD ST** **NY Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.221 mi.
1169 ft. **Site 5 of 5 in cluster AM**

Relative: **Lower**
Actual: **1 ft.**

LTANKS:

Name:	CAREY GARDENS II -NYCHA
Address:	2832 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9315471 / 2003-10-27
Facility ID:	9315471
Site ID:	62465
Spill Date:	1991-01-31
Spill Cause:	Tank Test Failure

CAREY GARDENS II -NYCHA (Continued) **S105230039**

Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1994-03-30
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-04-05
Spill Record Last Update:	2005-01-31
Spiller Name:	Not reported
Spiller Company:	NYCHA - JOE MONTELLA
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	219485
DEC Memo:	""
Remarks:	"LEAK RATE OF 0.06 GPH REPORTED AS PASSED BY TESTER."

All TTF:

Facility ID:	9315471
Spill Number:	9315471
Spill Tank Test:	1542577
Site ID:	62465
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	62465
Operable Unit ID:	993571
Operable Unit:	01
Material ID:	387222
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum

CAREY GARDENS II -NYCHA (Continued) **S105230039**

Quantity: -1.00
Units: L
Recovered: .00
Oxygenate: Not reported

SPILLS:
Name: CAREY GARDENS -NYCHA
Address: 2832 WEST 23RD ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 0107804 / 2014-07-16
Facility ID: 0107804
Facility Type: ER
DER Facility ID: 219485
Site ID: 269490
DEC Region: 2
Spill Cause: Unknown
Spill Class: B3
SWIS: 2401
Spill Date: 2001-10-31
Investigator: JKKANN
Referred To: Not reported
Reported to Dept: 2001-10-31
CID: 270
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2001-10-31
Spill Record Last Update: 2014-07-16
Spiller Name: CALLER
Spiller Company: NYC HOUSING AUTHORITY
Spiller Address: 23-02 49TH AVE
Spiller Company: 001
Contact Name: CALLEER
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY 11/01/2001: TOM HALL TELCON WITH NORMAN SEBOWSKI-NYCHA (718-707-5725) AT 1050 HRS. SEBOWSKI WILL HAVE MARIO MANDALONE UPDATE DEPARTMENT AS TO PROGRESS OF WORK. 11/01/2001: TOM HALL TELCON WITH MARIO MANDALONE AT 1510 HRS. 15K BEING REMOVED AND REPLACED WITH ANOTHER 15K. MODERATE CONTAMINATION ENCOUNTERED IN EXCAVATION. HORIZONTAL EXTENT OF CONTAMINATION SEEMS MINIMAL. VERTICAL EXTENT WILL BE DETERMINED. HOUSING AUTHORITY WILL SUBMIT CLOSURE DOCUMENTATION. 02/14/02 Reassigned from Hall (Region 7) to Kolleeny. 11/07/05: This spill transferred from J.Kolleeny to S.Kraszewski. 01/27/06: This spill transferred from S.Kraszewaski to Q.Abidi. 03/31/06: This spill transferred from Q. Abidi to Koon Tang. 6/11/09: JKann - Spill transfered to J.Kann. Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 01/28/2010: Remediation and other associated clean-up activities linked to this spill number is now under the oversight of Moses Ajoku, all correspondence related this case should be addressed

CAREY GARDENS II -NYCHA (Continued) **S105230039**

to me. (MA) 7/15/13: J.Kann - spill transferred from Moses Ajoku to J.Kann. 10/15/13: J.Kann - after reviewing the file, minimal impacts have been noted at this site. The 1996 investigation yielded not impacts to soil or grounwater. During tank removal (as stated above) some impacts to soil were noted. I requested any informaiton on the tank removal from NYCHA today via an email. After receiving a response from them, I will likely request that the two remaining wells be gauged and sampled so the site can be reviewed for closure. 6/13/14: J.kann - received a response from NYCHA. Some lab data was submitted for soil disposal during tank removal work on 10/16/13. In addition, NYCHA responded that a mobile boiler is in place at the site and much sand was washed up into the area as a result of Hurricane Sandy. Therefore, the two older wells are not accessible. I am considering site for closure. 7/16/14: J.Kann - received the RIR for the site on 6/25/14. 3 borings were advanced and 2 monitoring wells installed. Soil analysis was below CP-51 RSCOs. On constituent, naphthalene was detected in groundwater at 12ppb (TOGS guidance of 10ppb), otherwise all gw analysis was below TOGS 1.1.1. Reviewed report. Spill closed."

Remarks: "contaminated soil discovered from tank removal"

All Materials:

Site ID:	269490
Operable Unit ID:	845047
Operable Unit:	01
Material ID:	529066
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS -NYCHA
Address:	2832 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0401274 / 2005-11-07
Facility ID:	0401274
Facility Type:	ER
DER Facility ID:	219485
Site ID:	269491
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2004-05-06
Investigator:	SWKRASZE
Referred To:	Not reported
Reported to Dept:	2004-05-06
CID:	403
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False

CAREY GARDENS II -NYCHA (Continued) **S105230039**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-05-06
Spill Record Last Update:	2005-11-07
Spiller Name:	NORMAN ZABUSKI
Spiller Company:	Not reported
Spiller Address:	2832 WEST 23RD ST
Spiller Company:	001
Contact Name:	NORMAN ZABUSKI
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY 11/02/05: This spill transferred from J.Kolleeny to S.Kraszewski. "
Remarks:	"mechanical failure on a portable boiler on the fitting. spill has been cleaned up"

All Materials:

Site ID:	269491
Operable Unit ID:	883114
Operable Unit:	01
Material ID:	492488
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	10.00
Oxygenate:	Not reported

AL191 **SUFSIDE MARINA** **NY LTANKS** **S101340986**
NE **W. 22ND & W. 23RD STS** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.222 mi.
1172 ft. **Site 3 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

LTANKS:

Name:	SUFSIDE MARINA
Address:	W. 22ND & W. 23RD STS
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9406145 / 1994-08-05
Facility ID:	9406145
Site ID:	68579
Spill Date:	1994-08-05
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	1994-08-05
SWIS:	2401
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	1994-08-05
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Federal Government
Last Inspection:	Not reported

SUFSIDE MARINA (Continued) **S101340986**

Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-10-19
Spill Record Last Update:	2004-09-30
Spiller Name:	Not reported
Spiller Company:	MOBIL HOME TRAILER
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	65301
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TANG 10/10/95: This is additional information about material spilled from the translation of the old spill file: GARBAGE & RAW SEWAGE."
Remarks:	"REFER TO SPDES"

All Materials:

Site ID:	68579
Operable Unit ID:	1000314
Operable Unit:	01
Material ID:	379197
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

AP192 **NYCHA - CAREY GARDENS** **RCRA-VSQG** **1004762086**
East **2932 W 22ND ST** **FINDS** **NYR000093393**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.226 mi. **NJ MANIFEST**
1194 ft. **Site 1 of 2 in cluster AP** **NY MANIFEST**

Relative: **Lower**
Actual: **2 ft.**

RCRA-VSQG:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - CAREY GARDENS	
Handler Address:		2932 W 22ND ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000093393
Contact Name:		ANTHONY SOLOMITA
Contact Address:		49TH AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101-4528
Contact Telephone:		718-707-5731
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported

NYCHA - CAREY GARDENS (Continued) **1004762086**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		49TH AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101-4528
Owner Name:	NEW YORK CITY HOUSING AUTH	
Owner Type:		Municipal
Operator Name:	NEW YORK CITY HOUSING AUTH	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

NYCHA - CAREY GARDENS (Continued) **1004762086**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEW YORK CITY HOUSING AUTH
Legal Status:	Municipal
Date Became Current:	20010101
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone:	718-707-5731
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEW YORK CITY HOUSING AUTH
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone:	718-707-5731
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEW YORK CITY HOUSING AUTH
Legal Status:	Municipal
Date Became Current:	20010101
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone:	718-707-5731
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060101
Handler Name:	NYCHA - CAREY GARDENS
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator

NYCHA - CAREY GARDENS (Continued) **1004762086**

State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010123
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004566666

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

NYCHA - CAREY GARDENS (Continued) **1004762086**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004762086
Registry ID:	110004566666
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004566666
Name:	NYCHA - CAREY GARDENS
Address:	2932 W 22ND ST
City,State,Zip:	BROOKLYN, NY 11224

NJ MANIFEST:

EPA Id:	NYR000093393
Mail Address:	2932 W 22ND STREET
Mail City/State/Zip:	BROOKLYN 11224
Facility Phone:	7183724100
Emergency Phone:	Not reported
Contact:	JOSE ORTEGA
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	NJA5086791
EPA ID:	NYR000093393
Date Shipped:	02/24/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000016279
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/24/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/03/2004

NYCHA - CAREY GARDENS (Continued) **1004762086**

TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04050421
Was Load Rejected:	BROOKLYN 11224
Reason Load Was Rejected:	Not reported

Manifest Number:	003634013JJK
EPA ID:	NYR000093393
Date Shipped:	5/30/2012
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BROOKLYN 11224
Reason Load Was Rejected:	Not reported

NYCHA - CAREY GARDENS (Continued) **1004762086**

Waste:
Manifest Year: Not reported
Waste Code: D001
Hand Code: Not reported
Quantity: 185.00 gallons

Manifest Year: Not reported
Waste Code: D002
Hand Code: Not reported
Quantity: 140.00 gallons

NY MANIFEST:
Name: NEW YORK HOUSING AUTHORITY CAREY GARDENS
Address: 2932 W 22ND ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYR000093393
Facility Status: Not reported
Location Address 1: 2932 W 22ND ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000093393
Mailing Name: NEW YORK HOUSING AUTHORITY CAREY GARDENS
Mailing Contact: JOSE ORTEGA
Mailing Address 1: 2932 W 22ND ST
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11224
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7183724100

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 05/30/2012
Trans1 Recv Date: 05/30/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/30/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported

NYCHA - CAREY GARDENS (Continued) **1004762086**

Generator EPA ID:	NYR000093393
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	003634013JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	140
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D002
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AK193 **NYNEX** **NY MANIFEST** **1009233910**
WNW **W 33RD ST & NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11201**
0.226 mi.
1194 ft. **Site 2 of 3 in cluster AK**

Relative: **Higher**

Actual: **8 ft.**

NY MANIFEST:

Name:	NYNEX
Address:	W 33RD ST & NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11201
Country:	USA
EPA ID:	NYP000922898
Facility Status:	Not reported
Location Address 1:	W 33RD ST & NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11201
Location Zip 4:	Not reported

NYNEX (Continued) **1009233910**

NY MANIFEST:

EPAID:	NYP000922898
Mailing Name:	NYNEX
Mailing Contact:	SUSHMITA BISWAS
Mailing Address 1:	221 EAST 37TH STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10016
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2123387126

AK194 **CON EDISON** **NY MANIFEST** **S117737566**
WNW **W 33RD ST AND NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11235**
0.226 mi.
1194 ft. **Site 3 of 3 in cluster AK**

Relative:
Higher

Actual:
8 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	W 33RD ST AND NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11235
Country:	USA
EPA ID:	NYP004663225
Facility Status:	Not reported
Location Address 1:	W 33RD ST AND NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11235
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004663225
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	09/22/2014

CON EDISON (Continued) **S117737566**

Trans1 Recv Date:	09/22/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/22/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004663225
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002617404GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AQ195 **FRIENDSET APARTMENTS** **NY AST** **A100294087**
WSW **2911 WEST 36TH STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.227 mi.
1198 ft. **Site 1 of 3 in cluster AQ**

Relative:
Higher

Actual:
4 ft.

AST:

Name:	FRIENDSET APARTMENTS
Address:	2911 WEST 36TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-293210
Program Type:	PBS
UTM X:	584521.07605

FRIENDSET APARTMENTS (Continued) **A100294087**

UTM Y: 4491992.57403
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 13371
Affiliation Type: Facility Owner
Company Name: FRIENDSET HOUSING COMPANY
Contact Type: ADMINISTRATIVE ASSISTANT
Contact Name: CHARISMA N. HILL
Address1: 70 PALISADE AVENUE
Address2: Not reported
City: ENGLEWOOD CLIFFS
State: NJ
Zip Code: 07632
Country Code: 001
Phone: 2014)2424-800
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 2016-05-09

Site Id: 13371
Affiliation Type: Mail Contact
Company Name: LIGHTHOUSE FRIENDSET LLC
Contact Type: Not reported
Contact Name: SHERILYN CRUZ
Address1: 2911 WEST 36TH STREET
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11225
Country Code: 001
Phone: (718) 946-7124
EMail: SHERILYN@LHAPTS.COM
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 2016-05-09

Site Id: 13371
Affiliation Type: Facility Operator
Company Name: FRIENDSET APARTMENTS
Contact Type: Not reported
Contact Name: SHERILYN CRUZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 946-7124
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 2016-05-09

Site Id: 13371
Affiliation Type: Emergency Contact

FRIENDSET APARTMENTS (Continued) **A100294087**

Company Name:	FRIENDSET HOUSING COMPANY
Contact Type:	Not reported
Contact Name:	ELENA LINNIK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(215) 639-2800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Tank Info:

Tank Number:	002
Tank Id:	210041
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	B00 - Tank External Protection - None
	E04 - Piping Secondary Containment - Double walled UG
	F00 - Pipe External Protection - None
	H00 - Tank Leak Detection - None
	C03 - Pipe Location - Aboveground/Underground Combination
	J02 - Dispenser - Suction Dispenser
	I04 - Overfill - Product Level Gauge (A/G)
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	K00 - Spill Prevention - None
	G02 - Tank Secondary Containment - Vault (w/access)
	I05 - Overfill - Vent Whistle
	L03 - Piping Leak Detection - Vapor Well
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	02/10/2004
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/13/2014
Register:	True
Modified By:	CGFREEDM
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

AQ196 **FRIENDSET APARTMENTS** **NY UST** **U004077569**
WSW **2911 WEST 36TH STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.227 mi.
1198 ft. **Site 2 of 3 in cluster AQ**

Relative:
Higher

Actual:
4 ft.

UST:

Name:	FRIENDSET APARTMENTS
Address:	2911 WEST 36TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-293210 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584521.07605
UTM Y:	4491992.57403
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	13371
Affiliation Type:	Facility Owner
Company Name:	FRIENDSET HOUSING COMPANY
Contact Type:	ADMINISTRATIVE ASSISTANT
Contact Name:	CHARISMA N. HILL
Address1:	70 PALISADE AVENUE
Address2:	Not reported
City:	ENGLEWOOD CLIFFS
State:	NJ
Zip Code:	07632
Country Code:	001
Phone:	2014)2424-800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Site Id:	13371
Affiliation Type:	Mail Contact
Company Name:	LIGHTHOUSE FRIENDSET LLC
Contact Type:	Not reported
Contact Name:	SHERILYN CRUZ
Address1:	2911 WEST 36TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11225
Country Code:	001
Phone:	(718) 946-7124
EMail:	SHERILYN@LHAPTS.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Site Id:	13371
Affiliation Type:	Facility Operator
Company Name:	FRIENDSET APARTMENTS
Contact Type:	Not reported
Contact Name:	SHERILYN CRUZ
Address1:	Not reported

FRIENDSET APARTMENTS (Continued) **U004077569**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 946-7124
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Site Id:	13371
Affiliation Type:	Emergency Contact
Company Name:	FRIENDSET HOUSING COMPANY
Contact Type:	Not reported
Contact Name:	ELENA LINNIK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(215) 639-2800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Tank Info:

Tank Number:	001
Tank ID:	15243
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	06/01/1979
Date Tank Closed:	12/06/2003
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	04/14/2017

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G07 - Tank Secondary Containment - Excavation Liner

FRIENDSET APARTMENTS (Continued) **U004077569**

I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
H03 - Tank Leak Detection - Vapor Well

AQ197 **FRIENDSET APARTMENTS** **NY LTANKS** **S105997613**
WSW **2911 WEST 36TH STREET** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.227 mi.
1198 ft. **Site 3 of 3 in cluster AQ**

Relative: **Higher**
Actual: **4 ft.**

LTANKS:

Name:	FRIENDSET APARTMENTS
Address:	2911 WEST 36TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0209442 / 2008-12-04
Facility ID:	0209442
Site ID:	137964
Spill Date:	2002-12-13
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jbvought
Referred To:	Not reported
Reported to Dept:	2002-12-13
CID:	196
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-12-13
Spill Record Last Update:	2008-12-08
Spiller Name:	MONA FISHMAN
Spiller Company:	FRIENDSET HOUSING COMPANY
Spiller Address:	9200 KEYSTONE CROSSING
Spiller County:	999
Spiller Contact:	RENE LEWIS
Spiller Phone:	(917) 299-7257
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	117976
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE Tank Testing from DEC DO 1/14/04 TIPPLE SENT REQUEST FOR DOCUMENTATION 11/7/08-Vought-Spill transferred from DEC Kuldeep Gupta to DEC Vought due to inquiry from Jesse Curll (Friends Set Apartments 781-849-1471x105). As per PBS #2-293210, owner of site is: Friendset Housing Company 9200 Keystone Crossing Suite 500 Indianapolis, In 46240-7602 Operator: Mona Fishman (718)946-7124 Mail to: AIMCO/NHP Management Co. 2911 West 36th Street Brooklyn, NY 11224 Contact: Mona Fishman Ph: 718-946-7124 As per PBS registration, site has 6000-gallon in service #2 fuel oil Aboveground AST with no contact to soil and a closed in place 15,000-gallon #2 fuel oil UST closed in

FRIENDSET APARTMENTS (Continued) **S105997613**

place in 12/6/03. Vought called and spoke to Jesse and work was performed by S and S Energy and Associated Environmental. Jesse will inquire to Associated Environmental and return call.
11/24/08-Vought-DEC Sangesland received message from Jennifer Upchurch (800-773-0660x7626) requesting spill closure.
11/18/08-Vought-Called Curll and left message to return call to DEC.
11/24/08-Vought-DEC Sangesland received call from Jennifer Upchurch (800-733-0660 requesting status on spill closure.
12/04/08-Vought-Reviewed report received via email from Jesse Curll on 11/24. Email included prior correspondence to DEC dated 8/4/03 from SNS Energy Distribution Corporation (Stuart Schwartz 631-891-1700). Lines were pressure tested and foudn that the vetn line fittings have corroded which was the cause of the tank test failure . Associated Environmental performed soil borings. Request for spill closure. Enclosed also is Eastmond and Sons (718-378-3000) invoice dated 1/03/03 that 15,000-gallon UST was pressure washed. Letter from SNS dated 2/4/03 shows tank was opened and inspected and filled with lightweight concrete and lines that were not used were capped including suction, return, fill and vent. Enclosed is also Limited Subsurface Investigation from Associated Environmental Services (631-234-4280). Associated retained by Bill Likos and investigation performed via Geoprobe around the UST. Soil samples had no olfactory odor or visual staining. Composite sample collected from 6-9'bg. Soil samples showed non-detect VOCs and some PAH exceedences attributable to fill material. Spill closed by Vought due to non-detect soil samples and fact that failure came from vent pipe fittings whihc are above oil line. NFA sent to: Mr. Jesse Curll AIMCO - Boston 639 Granite Street, Suite 312 Braintree, MA 02184 Fax:(781) 849-7652 Phone:(781) 849-1471x105"

Remarks: "Tank has been empty. retest at later date."

All TTF:

Facility ID:	0209442
Spill Number:	0209442
Spill Tank Test:	1527829
Site ID:	137964
Tank Number:	1
Tank Size:	15000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	137964
Operable Unit ID:	860778
Operable Unit:	01
Material ID:	516413
Material Code:	0001A
Material Name:	#2 fuel oil

FRIENDSET APARTMENTS (Continued) **S105997613**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AR198 **CON EDISON** **RCRA NonGen / NLR** **1018280834**
WSW **W 36TH ST & SURF AVE** **ECHO** **NYP004757423**
1/8-1/4 **BROOKLYN, NY 11224**
0.229 mi.
1211 ft. **Site 1 of 3 in cluster AR**

Relative: **Higher**
Actual: **5 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150325
Handler Name:	CON EDISON	
Handler Address:		W 36TH ST & SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004757423
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

CON EDISON (Continued) **1018280834**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160502
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150325
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20150325
Handler Name: CON EDISON	

CON EDISON (Continued) **1018280834**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ECHO:

Envid:	1018280834
Registry ID:	110067682458
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110067682458
Name:	CON EDISON
Address:	W 36TH ST & SURF AVE
City,State,Zip:	BROOKLYN, NY 11224

AR199 **CON EDISON - MANHOLE 42310** **RCRA-LQG** **1016150071**
WSW **SURF AVE** **NY MANIFEST** **NYP004287421**
1/8-1/4 **BROOKLYN, NY 11224**
0.229 mi.
1211 ft. **Site 2 of 3 in cluster AR**

Relative:
Higher

Actual:
5 ft.

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 42310
Handler Address:	SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004287421
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY

CON EDISON - MANHOLE 42310 (Continued) **1016150071**

State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

CON EDISON - MANHOLE 42310 (Continued) **1016150071**

Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130206
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130206
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 42310
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130206

CON EDISON - MANHOLE 42310 (Continued) **1016150071**

Handler Name: CON EDISON MANHOLE: 42310
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: SURF AVE & W 36TH ST SW COR
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004287421
Facility Status: Not reported
Location Address 1: SWC SURF AVE & W 36 ST
Code: BP
Location Address 2: MH # 42314
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11201
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004287421
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported

CON EDISON - MANHOLE 42310 (Continued) **1016150071**

seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/06/2013
Trans1 Recv Date:	02/06/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/07/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004287421
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002015970GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AR200 **CON EDISON - MANHOLE 42314** **RCRA-LQG** **1016150072**
WSW **SURF AVE** **NY MANIFEST** **NYP004287439**
1/8-1/4 **BROOKLYN, NY 11224**
0.229 mi.
1211 ft. **Site 3 of 3 in cluster AR**

Relative: **Higher**
Actual: **5 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 42314
Handler Address:	SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11224

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

EPA ID:	NYP004287439
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130206
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130206
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 42314
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130206
Handler Name: CON EDISON MANHOLE: 42314
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: SURF AVE & W 36TH ST NE COR
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004287439
Facility Status: Not reported
Location Address 1: NWC SURF AVE & W 36 ST
Code: BP
Location Address 2: MH # 42310
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11201
Location Zip 4: Not reported

NY MANIFEST:

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

EPAID:	NYP004287439
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/06/2013
Trans1 Recv Date:	02/06/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/07/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004287439
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002015969GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

Waste Code 1_4: Not reported
Waste Code 1_5: Not reported
Waste Code 1_6: Not reported

AL201 **NYC PARKS** **NY LTANKS** **S105054704**
NE **WEST 23RD ST & NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.230 mi.
1216 ft. **Site 4 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

LTANKS:
Name: NYC PARKS
Address: WEST 23RD ST & NEPTUNE AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 0100863 / 2008-06-13
Facility ID: 0100863
Site ID: 159580
Spill Date: 2001-04-23
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: B3
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 2001-04-23
CID: 382
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2001-04-23
Spill Record Last Update: 2008-06-13
Spiller Name: ANDRE LAPRE
Spiller Company: NYC PARKS
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: MICHAEL COLLINS
Spiller Phone: (631) 586-4900
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 134794
DEC Memo: "6/13/08. J.Krimgold reviewed the Site Assessment Report prepared by Empire Environmental Services and dated June 24, 2003. Base on the data presented in the report no contaminant concentrations were found above TAGM levels in soil. GW was not encountered and analyzed during investigation or tank closure. Tank (PBS #2-604990) was closed in place. NFA. JMK. "
Remarks: "ULAGE FAILURE."

All TTF:
Facility ID: 0100863
Spill Number: 0100863
Spill Tank Test: 1526241

NYC PARKS (Continued) **S105054704**

Site ID:	159580
Tank Number:	Not reported
Tank Size:	1500
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	159580
Operable Unit ID:	839712
Operable Unit:	01
Material ID:	560363
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AL202 **CON EDISON** **RCRA NonGen / NLR** **1018281117**
NE **NEPTUNE AVE & W 23RD ST** **FINDS** **NYP004760492**
1/8-1/4 **BROOKLYN, NY 11235** **ECHO**
0.230 mi.
1216 ft. **Site 5 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150330
Handler Name:	CON EDISON	
Handler Address:		NEPTUNE AVE & W 23RD ST
Handler City,State,Zip:		BROOKLYN, NY 11235
EPA ID:		NYP004760492
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY

CON EDISON (Continued) **1018281117**

State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20160502
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No

CON EDISON (Continued) **1018281117**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20150330
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20150330
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20160205
Handler Name:	CON EDISON - MANHOLE 36394
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date: 20150330

CON EDISON (Continued) **1018281117**

Handler Name: CON EDISON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150330
Handler Name: CON EDISON
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110067687275

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1018281117
Registry ID: 110067687275

CON EDISON (Continued) **1018281117**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067687275
Name: CON EDISON
Address: NEPTUNE AVE & W 23RD ST
City,State,Zip: BROOKLYN, NY 11235

AL203 **CON EDISON** **NJ MANIFEST** **S120669819**
NE **NEPTUNE AVE & W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11235**
0.230 mi.
1216 ft. **Site 6 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

NJ MANIFEST:

EPA Id:	NYP004760492
Mail Address:	IRVING PL, 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	002618827GBF
EPA ID:	NYP004760492
Date Shipped:	3/30/2015
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported

CON EDISON (Continued) **S120669819**

Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

AL204 **CON ED** **NY MANIFEST** **S119074028**
NE **NEPTUNE AVE & W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11235**
0.230 mi.
1216 ft. **Site 7 of 7 in cluster AL**

Relative:
Lower

Actual:
0 ft.

NY MANIFEST:

Name:	CON ED
Address:	NEPTUNE AVE & W 23RD ST
City,State,Zip:	BROOKLYN, NY 11235
Country:	USA
EPA ID:	NYP004760492
Facility Status:	Not reported
Location Address 1:	NEPTUNE & W 23 ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11235
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004760492
Mailing Name:	CON ED
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	NJD003812047
Generator Ship Date:	03/30/2015

CON ED (Continued) **S119074028**

Trans1 Recv Date:	03/30/2015
Trans2 Recv Date:	04/01/2015
TSD Site Recv Date:	04/01/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004760492
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002618827GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AS205 **NYC-HA GRAVESEND HOUSES** **RCRA NonGen / NLR** **1000550108**
WNW **2719 W 33RD ST** **US AIRS** **NYD986870780**
1/8-1/4 **BROOKLYN, NY 11224** **FINDS**
0.234 mi. **ECHO**
1233 ft. **Site 1 of 6 in cluster AS** **NY MANIFEST**

Relative:
Higher

Actual:
8 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - GRAVESEND	
Handler Address:		2793 W 33RD ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYD986870780
Contact Name:		Not reported
Contact Address:		BRAODWAY
Contact City,State,Zip:		NEW YORK, NY 10007
Contact Telephone:		Not reported

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BRAODWAY
Mailing City,State,Zip:		NEW YORK, NY 10007
Owner Name:	NYC HOUSING AUTHORITY	
Owner Type:		Municipal
Operator Name:	NYC HOUSING AUTHORITY	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	NONE
Waste Description:	Not Defined
Waste Code:	U240
Waste Description:	2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19980403
Handler Name: NYCHA - GRAVESEND
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: NYCHA - GRAVESEND
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - GRAVESEND
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980227
Handler Name: NYCHA - GRAVESEND
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

US AIRS (AFS):
Envid: 1000550108
Region Code: 02
County Code: NY047
Programmatic ID: AIR NY0000002610700156
Facility Registry ID: 110004555400
D and B Number: Not reported
Facility Site Name: NYC-HA GRAVESEND HOUSES
Primary SIC Code: 6513
NAICS Code: 531110
Default Air Classification Code: SMI
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS (AFS):
Region Code: 02
Programmatic ID: AIR NY0000002610700156
Facility Registry ID: 110004555400
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1977-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000002610700156
Facility Registry ID: 110004555400
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Registry ID: 110004555400

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
AIR SYNTHETIC MINOR
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000550108
Registry ID:	110004555400
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004555400
Name:	NYC-HA GRAVESEND HOUSES
Address:	2719 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	NYC HOUSING AUTHORITY
Address:	2793 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYD986870780
Facility Status:	Not reported
Location Address 1:	2793 W 33RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986870780
Mailing Name:	NYC HOUSING AUTHORITY
Mailing Contact:	RAY VELEZ
Mailing Address 1:	250 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2123063142

NY MANIFEST:

Document ID:	Not reported

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	MAC300016672
Trans2 State ID:	NYD982792814
Generator Ship Date:	01/21/2013
Trans1 Recv Date:	01/21/2013
Trans2 Recv Date:	01/21/2013
TSD Site Recv Date:	01/24/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986870780
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	OHD048415665
TSDF ID 2:	Not reported
Manifest Tracking Number:	005731012FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H040
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2092
Units:	P - Pounds
Number of Containers:	4
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AS206 **BAY PK I** **NY UST** **U001834516**
WNW **3325 NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.234 mi.
1233 ft. **Site 2 of 6 in cluster AS**

Relative:
Higher

Actual:
8 ft.

UST:

Name:	BAY PK I
Address:	3325 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-291668 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	07/07/2022
UTM X:	584572.78906
UTM Y:	4492342.84673
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	13235
Affiliation Type:	Facility Owner
Company Name:	BAY PK I CO
Contact Type:	DIRECTOR OF FIELD OPERATIONS
Contact Name:	JOHN MULHOLLAND
Address1:	1230 PENNSYLVANIA AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11239
Country Code:	001
Phone:	(718) 642-8700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2017-06-29

Site Id:	13235
Affiliation Type:	Mail Contact
Company Name:	GRENADIER REALTY CORP.
Contact Type:	Not reported
Contact Name:	JOHN MULHOLLAND A/A/F
Address1:	BAY PK I CO
Address2:	1230 PENNSYLVANIA AVE
City:	BROOKLYN
State:	NY
Zip Code:	11239
Country Code:	001
Phone:	(718) 642-8700
EMail:	JMULHOLLAND@GRCREALTY.COM
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2017-06-29

Site Id:	13235
Affiliation Type:	Facility Operator
Company Name:	BAY PK I
Contact Type:	Not reported
Contact Name:	GRENADIER REALTY ENERGY SERV
Address1:	Not reported

BAY PK I (Continued) **U001834516**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 946-6070
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	13235
Affiliation Type:	Emergency Contact
Company Name:	BAY PK I CO
Contact Type:	Not reported
Contact Name:	ALEX SANTIAGO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 996-5346
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2017-06-29

Tank Info:

Tank Number:	001
Tank ID:	11914
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	25000
Install Date:	01/20/1977
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	34
Date Test:	01/14/2020
Next Test Date:	01/14/2021
Pipe Model:	Not reported
Modified By:	TankSys
Last Modified:	10/15/2020

Equipment Records:

H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None

BAY PK I (Continued) **U001834516**

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

AS207 **PUBLIC SCHOOL 188 - BROOKLYN K188** **NY AST** **A100129120**
WNW **3314 NEPTUNE AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.236 mi.
1247 ft. **Site 3 of 6 in cluster AS**

Relative:
Higher

Actual:
8 ft.

AST:

Name:	PUBLIC SCHOOL 188 - BROOKLYN K188
Address:	3314 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-603797
Program Type:	PBS
UTM X:	584629.61533
UTM Y:	4492270.39964
Expiration Date:	N/A
Site Type:	School

Affiliation Records:

Site Id:	25700
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	MUNENDRA SHARMA
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	Not reported
Fax Number:	Not reported
Modified By:	ACDANIEL
Date Last Modified:	2018-07-17

Site Id:	25700
Affiliation Type:	Mail Contact
Company Name:	NYC DEPT. OF EDUCATION
Contact Type:	Not reported
Contact Name:	MUNENDRA SHARMA
Address1:	FIELD OPERATIONS - FUEL DIV.
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	MSHARMA@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	MSBAPTIS

PUBLIC SCHOOL 188 - BROOKLYN K188 (Continued) **A100129120**

Date Last Modified: 2014-06-11

Site Id: 25700
Affiliation Type: Facility Operator
Company Name: PUBLIC SCHOOL 188 - BROOKLYN K188
Contact Type: Not reported
Contact Name: SALVATORE CASELLA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 265-7580
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2017-10-31

Site Id: 25700
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: KEN MAHADEO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (646) 210-7918
EMail: Not reported
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2021-12-22

Tank Info:

Tank Number: 1
Tank Id: 55581
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

E00 - Piping Secondary Containment - None
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
F04 - Pipe External Protection - Fiberglass
J02 - Dispenser - Suction Dispenser
G02 - Tank Secondary Containment - Vault (w/access)
C01 - Pipe Location - Aboveground
F05 - Pipe External Protection - Jacketed
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating

PUBLIC SCHOOL 188 - BROOKLYN K188 (Continued) **A100129120**

D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/01/1998
Capacity Gallons:	10000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/02/2017
Register:	True
Modified By:	DAFRANCI
Last Modified:	10/31/2017
Material Name:	#2 fuel oil (on-site consumption)

AT208 **PUBLIC SCHOOL 188 K** **RCRA-LQG** **1014399867**
West **2815 W 35TH ST** **NY MANIFEST** **NYR000179572**
1/8-1/4 **BROOKLYN, NY 11224** **NJ MANIFEST**
0.237 mi.
1253 ft. **Site 1 of 2 in cluster AT**

Relative: **Higher**
Actual: **8 ft.**

RCRA-LQG:

Date Form Received by Agency:		20120217
Handler Name:	PUBLIC SCHOOL 188 K	
Handler Address:		2815 W 35TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000179572
Contact Name:		ALEXANDER LEMPERT
Contact Address:		THOMSON AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-472-8501
Contact Fax:		Not reported
Contact Email:		ALEMPERT@NYCSCA.ORG
Contact Title:		SCA IEH DIRECTOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2011
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		THOMSON AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYC DEPT OF ED	
Owner Type:		Municipal
Operator Name:	NYC DEPT OF ED	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: NYC DEPT OF ED
Legal Status: Municipal
Date Became Current: 19240101
Date Ended Current: Not reported
Owner/Operator Address: 44-36 VERNON BLVD
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NYC DEPT OF ED
Legal Status: Municipal
Date Became Current: 19240101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY DEPT OF SCHOOL FACILITIES
Legal Status: Municipal
Date Became Current: 19230101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY DEPT OF SCHOOL FACILITIES
Legal Status: Municipal
Date Became Current: 19230101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK CITY DEPT OF EDUCATION
Legal Status: Municipal
Date Became Current: 19230101
Date Ended Current: Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Owner/Operator Address: 30-30 THOMSON AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101
Owner/Operator Telephone: 718-472-8501
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK CITY DEPT OF EDUCATION
Legal Status: Municipal
Date Became Current: 19230101
Date Ended Current: Not reported
Owner/Operator Address: 30-30 THOMSON AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101
Owner/Operator Telephone: 718-472-8501
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120217
Handler Name: PUBLIC SCHOOL 188 K
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120120
Handler Name: NYC DEPT OF ED - PUBLIC SCHOOL 188K
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20101213
Handler Name: NYC DEPT OF ED - PUBLIC SCHOOL 188K
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 61111
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: NYC DEPT OF ED - PUBLIC SCHOOL 188K
Address: 2815 W 35TH ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYR000179572
Facility Status: Not reported
Location Address 1: 2815 W 35TH STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000179572
Mailing Name: NYC DEPT OF ED - PUBLIC SCHOOL 188K
Mailing Contact: NEW YORK CITY SCHOOL CONSTRUCTION
Mailing Address 1: 30-30 THOMPSON AVE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: MAC300016672
Trans2 State ID: NYD982792814
Generator Ship Date: 12/07/2012
Trans1 Recv Date: 12/07/2012
Trans2 Recv Date: 12/12/2012
TSD Site Recv Date: 12/17/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Generator EPA ID:	NYR000179572
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	OHD048415665
TSDF ID 2:	Not reported
Manifest Tracking Number:	004137871FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H040
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	380
Units:	P - Pounds
Number of Containers:	3
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

NJ MANIFEST:

EPA Id:	NYR000179572
Mail Address:	THOMSON AVE
Mail City/State/Zip:	LONG ISLAND CITY, NY 11101
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	ALEXANDER LEMPERT
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	007939989JJK

PUBLIC SCHOOL 188 K (Continued) **1014399867**

EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	54,040.00 Pounds

Manifest Number:	007939982JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	48,480.00 Pounds

Manifest Number:	007939991JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	66,080.00 Pounds

Manifest Number:	007939986JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	51,240.00 Pounds

Manifest Number:	007939988JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	47,420.00 Pounds

Manifest Number:	007939983JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	50,580.00 Pounds

Manifest Number:	007939995JJK
EPA ID:	NYR000179572

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	47,380.00 Pounds

Manifest Number:	007939985JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	59,000.00 Pounds

Manifest Number:	007939994JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	37,600.00 Pounds

Manifest Number:	007939984JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	48,180.00 Pounds

Manifest Number:	007939981JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	56,020.00 Pounds

Manifest Number:	007939987JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	56,360.00 Pounds

Manifest Number:	007939993JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	43,120.00 Pounds

AO209 **DIAL FRENCH CLEANERS** **NY DRYCLEANERS** **S110246389**
ESE **2115 SURF AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.239 mi.
1262 ft. **Site 4 of 5 in cluster AO**

Relative: DRYCLEANERS:
Lower

Name:	DIAL FRENCH CLEANERS
Address:	2115 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Facility ID:	2-6107-00534
Phone Number:	718-946-2402

Actual:
2 ft.

DIAL FRENCH CLEANERS (Continued) **S110246389**

Region:	Not reported
Registration Effective Date:	N/A
Inspection Date:	2003-11-20 00:00:00
Install Date:	Not reported
Expiration Date:	Not reported
Removal Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Y
Alternate Solvent:	Not reported
Current Business:	Not reported

AO210 **KING CLEANERS** **RCRA NonGen / NLR** **1000274219**
ESE **2115 SURF AVE** **FINDS** **NYD982529919**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.239 mi. **NY MANIFEST**
1262 ft. **Site 5 of 5 in cluster AO**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	KING CLEANERS	
Handler Address:		2115 SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYD982529919
Contact Name:		ABDRLRAHMAN ABUHAMAD
Contact Address:		SURF AVE
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		718-266-3849
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		SURF AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	ABDRLRAHMAN ABUHAMAD	- KING CLEANERS
Owner Type:		Private
Operator Name:	ABDRLRAHMAN ABUHAMAD	- KING CLEANERS
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No

KING CLEANERS (Continued) **1000274219**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

KING CLEANERS (Continued) **1000274219**

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ABDRLRAHMAN ABUHAMAD - KING CLEANERS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2115 SURF AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224
Owner/Operator Telephone: 718-266-3849
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ABDRLRAHMAN ABUHAMAD - KING CLEANERS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2115 SURF AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224
Owner/Operator Telephone: 718-266-3849
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ABDRLRAHMAN ABUHAMAD - KING CLEANERS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2115 SURF AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224
Owner/Operator Telephone: 718-266-3849
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101

KING CLEANERS (Continued) **1000274219**

Handler Name: KING CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: KING CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19970326
Handler Name: KING CLEANERS
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19931230
Actual Return to Compliance Date: 19951117
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19940330
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No

KING CLEANERS (Continued) **1000274219**

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	VERBAL INFORMAL
Enforcement Responsible Person:	R2PL
Enforcement Responsible Sub-Organization:	RCB
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19931230
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2TRC
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	19951117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110004421420

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

KING CLEANERS (Continued) **1000274219**

ECHO:

Envid:	1000274219
Registry ID:	110004421420
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004421420
Name:	KING CLEANERS
Address:	2115 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	DIAL FRENCH CLNRS
Address:	2115 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYD982529919
Facility Status:	Not reported
Location Address 1:	2115 SURF AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD982529919
Mailing Name:	DIAL FRENCH CLNRS
Mailing Contact:	DIAL FRENCH CLNRS
Mailing Address 1:	2115 SURF AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7182654900

AS211 **FORMER GATEWAY FRENCH DRY CLEANERS** **NY SHWS** **S112211617**
WNW **3375-3377 NEPTUNE AVENUE** **NY ENG CONTROLS** **N/A**
1/8-1/4 **BROOKLYN, NY 11224** **NY INST CONTROL**
0.241 mi. **NY BROWNFIELDS**
1273 ft. **Site 4 of 6 in cluster AS**

Relative: Higher

Actual: 7 ft.

SHWS:

Name:	FORMER GATEWAY FRENCH CLEANER
Address:	3375-3377 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Program:	HW
Site Code:	447564
Classification:	N
Region:	2
Acres:	0.040
HW Code:	224151
Record Add:	04/06/2011
Record Upd:	10/26/2012
Updated By:	SRHEIGEL

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Site Description:	"The site is a small portion of the parcel located at 3325 Neptune Avenue, Brooklyn, New York which was operated as dry cleaner from about 1986 to 1995 based on hazardous waste manifest records. The property was identified as Block 6979 Lot 100 in Kings County, New York. The former dry cleaner portion of the property was renovated for commercial usage after the dry cleaner terminated its operation at this location. The site is currently occupied by Neptune Dental and Medical. The size of the proposed site is about 0.04 acres. The site entered the Brownfield Cleanup Program ? see site no. C224151. "
Env Problem:	"Preliminary investigations conducted at the site indicated that the contaminant of concern is Tetrachloroethylene (PCE). PCE was found in sub-slab soil vapor on site with concentration up to 25,000 ug/m3. PCE was detected in 4 of the 10 temporary groundwater monitoring wells, and one well had a concentration marginally above groundwater standards at 5.8ug/l. Additional investigation is needed to identify the source of the PCE. "
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	4
Sub Type:	05
Owner Name:	Not reported
Owner Company:	Neptune Dental and Medical
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	NY
Owner Country:	United States of America
Own Op:	1
Sub Type:	02
Owner Name:	Peter Gray
Owner Company:	Coney IslandSite 4A-1 Houses, Inc.
Owner Address:	1345 Avenue of the Americas
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10105
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

ENG CONTROLS:

Name:	FORMER GATEWAY FRENCH DRY CLEANERS
Address:	3375-3377 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Site Code:	468402
HW Code:	C224151
Control Code:	15
Control Type:	ENG
Date Record Added:	11/07/2016
Date Rec Updated:	07/23/2021
Updated By:	LSZINOMA
Site Description:	"Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."
Env Problem:	"Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem:	"Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2012-09-06 11:35:00
Record Upd:	2014-12-09 11:28:00
Updated By:	RJCOZZY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Angela Barnes
Owner Company:	Coney Island Library
Owner Address:	1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P02
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address:	70 East 55th Street, 7th Flooor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	Document Repository

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Sub Type:	C01
Owner Name:	Stephen Moran
Owner Company:	brooklyn community Board 13
Owner Address:	1201 surf Avenue 3rd Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address:	70 East 55th street 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
HW Code:	C224151
Waste Type:	NAPHTHALENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2016000423894
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2016-12-02 08:57:00
Record Updated:	2016-12-02 08:57:00
Updated By:	YYWONG
Crossref ID:	2014-04-10
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2016-09-22 12:39:00
Record Updated:	2016-09-22 12:39:00
Updated By:	YYWONG
Crossref ID:	C224166
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	2012-09-06 10:10:00
Record Updated:	2012-09-06 10:10:00
Updated By:	BXANDERS
Crossref ID:	0906360
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2016-01-11 10:16:00
Record Updated:	2016-01-11 10:16:00
Updated By:	YYWONG
Crossref ID:	C224151-01-13
Cross Ref Type Code:	23

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2016-09-22 11:49:00
Record Updated:	2016-09-22 11:49:00
Updated By:	YYWONG
Name:	FORMER GATEWAY FRENCH DRY CLEANERS
Address:	3375-3377 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Site Code:	468402
HW Code:	C224151
Control Code:	13
Control Type:	ENG
Date Record Added:	11/07/2016
Date Rec Updated:	07/23/2021
Updated By:	LSZINOMA
Site Description:	"Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."
Env Problem:	"Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

	contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."
Health Problem:	"Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2012-09-06 11:35:00
Record Upd:	2014-12-09 11:28:00
Updated By:	RJCOZZY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Angela Barnes
Owner Company:	Coney Island Library
Owner Address:	1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P02
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address:	70 East 55th Street, 7th Flooor

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Stephen Moran
Owner Company:	brooklyn community Board 13
Owner Address:	1201 surf Avenue 3rd Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address:	70 East 55th street 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
HW Code:	C224151
Waste Type:	NAPHTHALENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2016000423894
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2016-12-02 08:57:00
Record Updated:	2016-12-02 08:57:00
Updated By:	YYWONG
Crossref ID:	2014-04-10
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2016-09-22 12:39:00
Record Updated:	2016-09-22 12:39:00
Updated By:	YYWONG
Crossref ID:	C224166
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	2012-09-06 10:10:00
Record Updated:	2012-09-06 10:10:00
Updated By:	BXANDERS
Crossref ID:	0906360
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2016-01-11 10:16:00

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

INST CONTROL:
Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Landuse Restriction
HW Code: C224151
Control Code: 25
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."
Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE,

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Soil Management Plan
HW Code: C224151
Control Code: 14
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Site Management Plan
HW Code: C224151
Control Code: 32
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: O&M Plan
HW Code: C224151
Control Code: 33
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Environmental Easement
HW Code: C224151
Control Code: J
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."

Dump: False

Structure: False

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Ground Water Use Restriction
HW Code: C224151
Control Code: 08
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Plan."
Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

BROWNFIELDS:
Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Program: BCP
Site Code: 468402
Acres: 0.040
HW Code: C224151
SWIS: 2401
Town: New York City
Record Added Date: 08/29/2012

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Updated Date: 05/29/2021
Update By: JHOCONNE
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."
Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

	detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."
Health Problem:	"Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2012-09-06 11:35:00
Record Upd:	2014-12-09 11:28:00
Updated By:	RJCOZZY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Angela Barnes
Owner Company:	Coney Island Library
Owner Address:	1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P02
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address:	70 East 55th Street, 7th Flooor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Stephen Moran
Owner Company:	brooklyn community Board 13
Owner Address:	1201 surf Avenue 3rd Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Owner Name:	Peter Gray
Owner Company:	Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address:	70 East 55th street 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
HW Code:	C224151
Waste Type:	NAPHTHALENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2016000423894
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2016-12-02 08:57:00
Record Updated:	2016-12-02 08:57:00
Updated By:	YYWONG
Crossref ID:	2014-04-10
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2016-09-22 12:39:00
Record Updated:	2016-09-22 12:39:00
Updated By:	YYWONG
Crossref ID:	C224166
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	2012-09-06 10:10:00
Record Updated:	2012-09-06 10:10:00
Updated By:	BXANDERS
Crossref ID:	0906360
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2016-01-11 10:16:00
Record Updated:	2016-01-11 10:16:00
Updated By:	YYWONG
Crossref ID:	C224151-01-13
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2016-09-22 11:49:00
Record Updated:	2016-09-22 11:49:00
Updated By:	YYWONG

AS212 **GATEWAY FRENCH CLEANERS** **RCRA NonGen / NLR** **1000225064**
WNW **3377 NEPTUNE AVE** **FINDS** **NYD981080799**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.241 mi. **NY MANIFEST**
1275 ft. **Site 5 of 6 in cluster AS**

Relative: **Higher**

Actual: **7 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	GATEWAY FRENCH CLEANERS	
Handler Address:		3377 NEPTUNE AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-1676
EPA ID:		NYD981080799
Contact Name:		Not reported
Contact Address:		NEPTUNE AVE
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		NEPTUNE AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	OWNERNAME	
Owner Type:		Private
Operator Name:	OWNERNAME	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

GATEWAY FRENCH CLEANERS (Continued) **1000225064**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: OWNERNAME	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

GATEWAY FRENCH CLEANERS (Continued) **1000225064**

Owner/Operator Indicator: Owner
Owner/Operator Name: OWNERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: OWNERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990708
Handler Name: GATEWAY FRENCH CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: GATEWAY FRENCH CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: GATEWAY FRENCH CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

GATEWAY FRENCH CLEANERS (Continued) **1000225064**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19850503
Handler Name:	GATEWAY FRENCH CLEANERS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004395743

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000225064
Registry ID:	110004395743
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004395743
Name:	GATEWAY FRENCH CLEANERS
Address:	3377 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:
Name: GATEWAY CLNRS

GATEWAY FRENCH CLEANERS (Continued) **1000225064**

Address:	3377 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224-1676
Country:	USA
EPA ID:	NYD981080799
Facility Status:	Not reported
Location Address 1:	33-77 NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD981080799
Mailing Name:	GATEWAY CLNRS
Mailing Contact:	GATEWAY CLNRS
Mailing Address 1:	33-77 NEPTUNE AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7183729696

AP213 **CON EDISON** **RCRA NonGen / NLR** **1018278984**
East **MERMAID & 22ND ST MH36357** **FINDS** **NYP004737714**
1/8-1/4 **BROOKLYN, NY 11235** **ECHO**
0.243 mi.
1285 ft. **Site 2 of 2 in cluster AP**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150224
Handler Name:	CON EDISON	
Handler Address:		MERMAID & 22ND ST MH36356
Handler City,State,Zip:		BROOKLYN, NY 11235
EPA ID:		NYP004737714
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003

CON EDISON (Continued) **1018278984**

Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20160502
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported

CON EDISON (Continued) **1018278984**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Historic Generators:
Receive Date: 20150224
Handler Name: CON EDISON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150224
Handler Name: CON EDISON
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110067683929

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CON EDISON (Continued) **1018278984**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1018278984
Registry ID:	110067683929
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110067683929
Name:	CON EDISON
Address:	MERMAID & 22ND ST MH36357
City,State,Zip:	BROOKLYN, NY 11235

AS214 **BAY PARK II** **NY UST** **U000399246**
WNW **3415 NEPTUNE AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.248 mi.
1307 ft. **Site 6 of 6 in cluster AS**

Relative:
Higher

Actual:
8 ft.

UST:

Name:	BAY PARK II
Address:	3415 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-291676 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	12/14/2022
UTM X:	584363.75607
UTM Y:	4492394.39546
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	13236
Affiliation Type:	Facility Owner
Company Name:	BAY PARK II
Contact Type:	DIRECTOR OF FIELD OPERATIONS
Contact Name:	JOHN MULHOLLAND, AAF
Address1:	1230 PENNSYLVANIA AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11239
Country Code:	001
Phone:	(718) 642-8700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-03-21

Site Id:	13236
Affiliation Type:	Mail Contact
Company Name:	GRENADIER REALTY CORP.
Contact Type:	Not reported
Contact Name:	JOHN MULHOLLAND
Address1:	1230 PENNSYLVANIA AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11239

BAY PARK II (Continued) **U000399246**

Country Code:	001
Phone:	(718) 642-8700
EMail:	JMULHOLLAND@GRCREALTY.COM
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-03-21

Site Id:	13236
Affiliation Type:	Facility Operator
Company Name:	BAY PARK II
Contact Type:	Not reported
Contact Name:	GRENADIER REALTY ENERGY SERV.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 946-6070
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-03-21

Site Id:	13236
Affiliation Type:	Emergency Contact
Company Name:	BAY PARK II
Contact Type:	Not reported
Contact Name:	GRENADIER REALTY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 642-8700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-03-21

Tank Info:

Tank Number:	001
Tank ID:	11915
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	25000
Install Date:	11/10/1972
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	34

BAY PARK II (Continued) **U000399246**

Date Test: 02/26/2019
Next Test Date: 02/26/2020
Pipe Model: Not reported
Modified By: TankSys
Last Modified: 01/31/2020

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
H07 - Tank Leak Detection - Statistical Inventory Reconciliation (SIR)
J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None

Tank Number: 002
Tank ID: 275463
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1500
Install Date: 11/10/1972
Date Tank Closed: 09/02/2014
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Tightness Test Method: 21
Date Test: 09/02/2014
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TLYE
Last Modified: 03/29/2018

Equipment Records:

E00 - Piping Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
L00 - Piping Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
H07 - Tank Leak Detection - Statistical Inventory Reconciliation (SIR)
J02 - Dispenser - Suction Dispenser
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None

215
WSW
1/4-1/2
0.259 mi.
1369 ft.

CON EDISON
SURF AVE & W 37TH ST NE COR
BROOKLYN, NY 11224

NY LTANKS **S104621639**
NY MANIFEST **N/A**

Relative:
Higher

Actual:
4 ft.

LTANKS:

Name:	JEWISH ASSOC. SERVICES FO
Address:	3601 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0002117 / 2004-07-27
Facility ID:	0002117
Site ID:	225208
Spill Date:	2000-05-19
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	2000-05-19
CID:	312
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-19
Spill Record Last Update:	2004-07-27
Spiller Name:	ROSE
Spiller Company:	JEWISH ASSOC. SERVICES FO
Spiller Address:	3601 SURF AV
Spiller County:	001
Spiller Contact:	ROSE
Spiller Phone:	(718) 373-3650
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	269115
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE 10/17/03 tipple updating////prior ttf at this location 99-14738, apparently the problem persists. 7/27 referred to 99 spill #"
Remarks:	"TANK HOLDS #4 OIL"

All TTF:

Facility ID:	0002117
Spill Number:	0002117
Spill Tank Test:	1525615
Site ID:	225208
Tank Number:	001
Tank Size:	15000
Material:	Not reported
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00

CON EDISON (Continued) **S104621639**

Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

Name:	APT BLDG
Address:	3601 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9914738 / 2005-05-03
Facility ID:	9914738
Site ID:	225209
Spill Date:	2000-03-29
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	2000-03-29
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-03-29
Spill Record Last Update:	2005-05-03
Spiller Name:	Not reported
Spiller Company:	APT BLDG
Spiller Address:	3601 SURF AV
Spiller County:	001
Spiller Contact:	BILL LINDNER
Spiller Phone:	(212) 463-7812
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	269115
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KRIMGOLD 8/22/00 Spoke to Mike Berello (Ambient Group). They isolated the pipes and tank and found that the vent and fill lines were not tight. The tank was relined but there was a hole in the top of the tank (only spill upon overfill). They performed soil borings - 3 along a 60' fill line and 6 around the #4 UST. Water is at 5 feet below grade. They are going to propose excavation of tank system and associated soil. They will submit the report to DEC. JMR 01/26/04 Reassigned from Rommel to Austin 02/17/04: Reassigned from AUSTIN to KRIMGOLD. 04/18/05. J.Krimgold spoke to Mike Barello. He will resend the report in a week. 05/03/05. J.Krimgold reviewed the UST Removal Report submitted by Ambient Group, Inc. on 5/3/05 and issued on 11/05/2001. According to the report the tank failed the test due to a loose fitting on the vent pipe. Subsequently the tank was removed. No contamination was found during excavation. Post excavation samples all below TAGM levels. NFA. "

CON EDISON (Continued) **S104621639**

Remarks: ""

All TTF:

Facility ID:	9914738
Spill Number:	9914738
Spill Tank Test:	1548174
Site ID:	225209
Tank Number:	1
Tank Size:	15000
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	225209
Operable Unit ID:	1092670
Operable Unit:	01
Material ID:	293028
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	3601 SURF AVENUE
Address:	3601 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0212373 / 2003-03-17
Facility ID:	0212373
Site ID:	333886
Spill Date:	2003-03-17
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	2003-03-17
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False

CON EDISON (Continued) **S104621639**

UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-03-17
Spill Record Last Update:	2003-03-17
Spiller Name:	CALLER
Spiller Company:	CASTLE OIL CORPORATION
Spiller Address:	290 LOCUST AVENUE
Spiller County:	001
Spiller Contact:	JIM CAREY
Spiller Phone:	(718) 579-3410
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	269115
DEC Memo:	"3/17/2003-Vought-Spoke with Jim Carey. Spill was 50 gallons which came out of top of tank. Driver fell asleep at well. PTC called who sent out vaccuum truck to clean tank room. Spill came out of stickwell into tank room which was epoxy sealed and contained. No sewers or drain affected. Site contact is Alex 718-373-0047 (superintendent). Vought was told to call 718-373-3650 (Rosemary Frazier). Vought called Rosemary for cleanup confirmation. Rosemary was not in office. Vought spoke with secretary named Mary who will send out super (eric) to confirm cleanup and return call to Vought. Vought received message from Eric. Vought returned call 718-809-0596 and Eric said cleanup was complete. Spill closed by Vought. "
Remarks:	"driver over filled a delivery clean up crew responded and cleaned same "

All Materials:

Site ID:	333886
Operable Unit ID:	1096028
Operable Unit:	01
Material ID:	576035
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	20.00
Oxygenate:	Not reported

NY MANIFEST:

Name:	CON EDISON
Address:	SURF AVE & W 37TH ST NE COR
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004287157
Facility Status:	Not reported
Location Address 1:	NEC SURF AVE & W 37TH ST
Code:	BP
Location Address 2:	MH 42308
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

CON EDISON (Continued) **S104621639**

NY MANIFEST:

EPAID:	NYP004287157
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/2013
Trans1 Recv Date:	02/05/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/05/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004287157
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002015994GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008

CON EDISON (Continued) **S104621639**

Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AT216 **HISTORIC DRY CLEANER 3503-3505 NEPTUNE AVENUE** **NY BROWNFIELDS** **S113916509**
WNW **3503-3505 NEPTUNE AVENUE** **N/A**
1/4-1/2 **BROOKLYN, NY 11224**
0.265 mi.
1398 ft. **Site 2 of 2 in cluster AT**

Relative: **Higher**
Actual: **7 ft.**

BROWNFIELDS:

Name:	HISTORIC DRY CLEANER 3503-3505 NEPTUNE AVENUE
Address:	3503-3505 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Program:	BCP
Site Code:	468516
Acres:	0.020
HW Code:	C224166
SWIS:	2401
Town:	New York City
Record Added Date:	09/04/2012
Record Updated Date:	01/10/2013
Update By:	BXANDERS
Site Description:	"Location: The site is located at the pre-redevelopment address of 3503-3505 Neptune Avenue in Brooklyn. Site Features: The site occupies a pedestrian common area located in front of a commercial strip. The site encompasses a public common walkway on its north end, is bisected by a retaining wall with planters across the southern third of the parcel and is city sidewalk on the south end. Current Zoning/Use(s): The site is zoned R6 residential. The current land use category is "Mixed Use" (commercial/residential). The site is currently a public common area and sidewalk. Historical Use(s): The site includes the parcel containing the former unnamed ?Historic Dry Cleaners?. The exact duration of time the dry cleaner existed at the site is unknown. The dry cleaner was initially located at the site between 1950 and 1966 and was in operation until sometime between 1968 and 1972. Site Geology and Hydrogeology: The site and surrounding area are relatively flat with a ground surface elevation of approximately 10 feet above Mean Sea Level (MSL). Soil at the site consists of a layer of fill material to approximately five feet below grade, underlain by glacial outwash consisting of layers of fine to medium silty sands and silt. Groundwater is approximately 9 to 10 feet below grade surface and flows toward east-southeast. After careful review, NYSDEC has determined that this site does not qualify for the Brownfield Cleanup Program. The historic dry cleaner is located immediately adjacent to the Former Gateway Cleaners (see site no. C224151). "
Env Problem:	""
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported

HISTORIC DRY CLEANER 3503-3505 NEPTUNE AVENUE (Continued) **S113916509**

Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	1
Sub Type:	E
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Edward Flanagan, Jr.
Owner Company:	Ulmer Park Library
Owner Address:	2602 Bath Ave.
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11214
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

217
WNW
1/4-1/2
0.301 mi.
1591 ft.

APARTMENT BLDG
3415 NEPTUNE AVE
CONEY ISLAND, NY

NY LTANKS **S109374804**
N/A

Relative:
Higher

Actual:
7 ft.

LTANKS:

Name:	APARTMENT BLDG
Address:	3415 NEPTUNE AVE
City,State,Zip:	CONEY ISLAND, NY
Spill Number/Closed Date:	0807791 / 2008-11-06
Facility ID:	0807791
Site ID:	405155
Spill Date:	2008-10-09
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C4

APARTMENT BLDG (Continued) **S109374804**

Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	MXAJOKU
Referred To:	Not reported
Reported to Dept:	2008-10-09
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2008-10-09
Spill Record Last Update:	2008-11-06
Spiller Name:	JOHN MALONEY
Spiller Company:	GRENADIER REALTY CORP
Spiller Address:	2330 PENNSYLVANIA AVE
Spiller County:	999
Spiller Contact:	LISETTE HERNANDEZ
Spiller Phone:	(718) 378-3000
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	354400
DEC Memo:	"PBS #2-291676 TTF Ltr sent to: Agent For Bay Park II Attn: John Mulholland 1230 Pennsylvania Ave Brooklyn, NY 11239 10/06/08: Eastmond & Son Boiler Repair carried out extensive work by opening the manhole and performing isolation test, tank passed retest. Spill case is hereby closed. See eDocs for details.(MA)"
Remarks:	"FAILED TANK TEST, DRY PORTION LEAK. NO PRODUCT WAS SPILLED."

All Materials:

Site ID:	405155
Operable Unit ID:	1161790
Operable Unit:	01
Material ID:	2152995
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

218
NW
1/4-1/2
0.309 mi.
1631 ft.

GRAVESEND HOUSES (O'DWYER GARDENS) **NY LTANKS** **U001840671**
2719 WEST 33RD STREET **NY UST** **N/A**
BROOKLYN, NY 11224 **NY Spills**

Relative:
Higher

Actual:
7 ft.

LTANKS:

Name:	GRAVESEND HOUSES -NYCHA
Address:	2719 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9413170 / 2008-06-10
Facility ID:	9413170

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Site ID:	62321
Spill Date:	1995-01-03
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	CONSOLIDATED WITH 9412922
Reported to Dept:	1995-01-03
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-01-05
Spill Record Last Update:	2008-06-10
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	60434
DEC Memo:	"12/21/05: This spill transferred from J.Kolleeny to S.Kraszewski. 09/01/06: DEC Lead for this spill changed from unassigned to S. Kraszewski. - J. Kolleeny 09/26/06: DEC Lead changed from S. Kraszewski to J.Kann. Priority changed to P1 based on Site Status report submitted by NYCHA indicating that seven monitoring wells on-site contain water/oil mixture. - JKann 6/10/08: J.Kann - Spill closed to consolidate with spill 9412922 at the same address. "
Remarks:	"LEAK RATE -0.179 GPH"

All TTF:

Facility ID:	9413170
Spill Number:	9413170
Spill Tank Test:	1543495
Site ID:	62321
Tank Number:	002
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

All Materials:

Site ID:	62321
Operable Unit ID:	1006788
Operable Unit:	01
Material ID:	375448
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	GRAVESEND HOUSES -NYCHA
Address:	2719 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9412922 / 2021-07-15
Facility ID:	9412922
Site ID:	62320
Spill Date:	1994-12-28
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	AAOBLIGA
Referred To:	SUPPLMNTL SIR SUBMTD 5/14/13; RVWD
Reported to Dept:	1994-12-28
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-01-05
Spill Record Last Update:	2021-07-15
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	60434
DEC Memo:	"12/21/05: This spill transferred from J.Kolleeny to S.Kraszewski. 09/01/06: DEC Lead for this spill changed from unassigned to S. Kraszewski. - J. Kolleeny 09/26/06: DEC Lead changed from S. Kraszewski to J.Kann. Priority changed to P1 based on Site Status report submitted by NYCHA indicating that seven monitoring wells on-site contain water/oil mixture. - JKann 6/10/08: Spill 9413170 closed and consolidated with this spill. J.Kann 8/4/08: J.kann - Investigative work Plan received on 7/29/08. 6/15/09: J.kann - Work

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

performed without DEC approval of plan. Draft Report submitted on 6/10/09. 3/23/10: J.Kann - SAR from June 2009 edoced. 12/11/12: J.kann - reviewed SAR and February 1997 report by TRC. Comments sent in an email (edoced) 5/14/13: J.Kann - recvd and revwd the Supp RIR from JC Broderick and dated May 2013. Stained soil exist at the grounwater smear zone but minimal constituents detected in soil or groundwater. 5/17/13: J.Kann - sent an email to Yelena (NYCHA) requesting that the wells be gauged sometime next week. 10/9/14: Visited the site on 5/28/14. Minimal product noted on one sock in well. Will consider for closure. 10/14/15: J.Kann - site included in the NYCHA Sandy recovery list and is slated for UST removal. Brief summary provided to Thomas Larison 518-785-2361 of CBI today in an email. Since known soil disturbance activities will likely take place, spill can not be closed at this time. 4/25/17: J.Kann - visit site with Andre Obligado on 4/19. Met with Meredith, Tom, Steve Sacaccio and Mike Lopez. Discussed the plan for the site. Meeting notes were prepared and email by NYCHA and DECDoced. 06/05/2017: J.Kann - Spill reassigned to Andre Obligado. 9/7/17 - Obligado - I received an Environmental Work Plan for tank removals at the Graves End Houses. The Enviromental Work Plan proposes the removal of 3 USTs at the site site. They propose to sheet pile around the USTs then excavate the tanks and the contaminated soils. Per our discussion at the site in April, the plan proposes to over excavate contaminated soil in the vicinity of MW1 and MW6. Excavation will be to a minimum of 10 ft bgs to remove contamination from the vadose and smear zone. 9/11/17 - Obligado - I provided comments to Tom over the phone and via email. Specifically, I requested 1) a Community Air Monitoring Plan 2) details about the endpoint soil sampling method 3) contingency for free product recovery in the open excavation. 10/23/17 - Obligado - I reviewed an amendment letter which addressed my comments above and I approved the Environmental Work Plan for the tank removal. 8/16/18 - Obligado - Conference call with NYCHA Meredith Menzel, Yelena and others. The UST closure has been completed and a UST closure was submitted. Several endpoint samples were above standard however at levels which I do not believe warrant further action. They will be doing additional excavation for development. 9/25/18 - Obligado - I responded to an email from Meredith regarding the request for closure in the tank closure report. I responded that since there would be additional excavation for site development I was holding of on closing the spill until that additional work was completed as I expected additional contamination may be encountered. 10/4/18 - Obligado - I got a call from Rich Levato stating he was on his way to the Site to perform remediation of free product in an excavation around a former tank. They will apply booms and pads to contain, collect waste characterization, and schedule a vacuum truck event tomorrow. He was not able to provide a spill number but it appears to be related to this NYCHA site. 10/4/18 - Obligado - I received a call from Meredith. She called to inform that additional contamination was encountered at the site during site excavation. We set up a tentative site meeting for the following morning. 7/15/21 - Obligado - I received Spill Closure Report prepared by ASR, dated June 2021. Excavation for new mechanical boiler building adjacent to building 13 started in August 2018. During excavation, floating product was observed on the groundwater on the western part of the excavation. ASR was contracted as an emergency response team. ASR applied absorption booms and pads. A Vacuum truck removed 230 gallons of oilywater mixture from the

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

excavation an ddisposed of at Clean Water of NY. A second vacuum truck removal event occurred on 10/17/18 and 663 gallons of oily water mixture was removed and disposed of at Clean Water of NY. A dewatering plan was developed by Joh A Rhodes PE. The dewatering system was activated on 10/17/18 and ran for appxomiately 1 week. On 10/9/18, 4 endpoint samples were collected from the bottom of th excavation (11 ft bgs). No VOC compounds were detected. No SVOC compounds were detected above the regulatory limits. No PCB compounds were detected. Approximately 1,154.66 tons of regulated fill was excavated and disposed of at Coplay Aggregates, Inc. Soil and liquid manifests were provided. All sources of contamination have been removed. Contamination identified in the orinigal UST closure report was over excavated and free product was removed from the water table. A new slab on grade bolier room has been constructed. This spill no longer appears to be a threat to human health or the environment. Based on the documentation submitted, this spill is closed."

Remarks: "TANK TEST FAILURE TANK #1"

All TTF:

Facility ID:	9412922
Spill Number:	9412922
Spill Tank Test:	1543481
Site ID:	62320
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	62320
Operable Unit ID:	1006550
Operable Unit:	01
Material ID:	375206
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

UST:

Name:	GRAVESEND HOUSES (O'DWYER GARDENS)
Address:	2719 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473944 / Unregulated/Closed

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 584654.34984
UTM Y: 4492565.54846
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 20866
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: FUEL OIL REMEDIATION COORDINATOR
Contact Name: GALENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-03

Site Id: 20866
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: GALENA TKACH
Address1: 23-02 49TH AVENUE
Address2: 5TH FLOOR FLOOR REMEDIATION
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: YELENA.TKACH@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-03

Site Id: 20866
Affiliation Type: Facility Operator
Company Name: GRAVESEND HOUSES (ODWYER GARDENS)
Contact Type: Not reported
Contact Name: NEW YORK CITY HOUSING AUTHORITY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Date Last Modified: 2018-10-03

Site Id: 20866
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: EMERGENCY SERVICES DEPARTMENT
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 707-5900
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2014-01-30

Tank Info:

Tank Number: 1
Tank ID: 60275
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 20000
Install Date: 02/01/2001
Date Tank Closed: 05/09/2018
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: E
Modified By: DAFRANCI
Last Modified: 12/19/2018

Equipment Records:

L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double walled UG
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F05 - Pipe External Protection - Jacketed
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B09 - Tank External Protection - Urethane
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
H05 - Tank Leak Detection - In-Tank System (ATG)

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Tank Number:	OLD 1
Tank ID:	37566
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	12000
Install Date:	10/01/1957
Date Tank Closed:	04/26/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0000
Common Name of Substance:	Empty
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DAFRANCI
Last Modified:	12/19/2018

Equipment Records:

H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
L00 - Piping Leak Detection - None

Tank Number:	OLD 2
Tank ID:	37567
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	12000
Install Date:	10/01/1957
Date Tank Closed:	04/26/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0000
Common Name of Substance:	Empty
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DAFRANCI
Last Modified:	12/19/2018

Equipment Records:

H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
L00 - Piping Leak Detection - None

Tank Number:	OLD 3
Tank ID:	37568
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	25000
Install Date:	10/01/1954
Date Tank Closed:	01/01/2001
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	04/01/1994
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
I04 - Overfill - Product Level Gauge (A/G)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

SPILLS:

Name:	GRAVESEND HOUSES -NYCHA
Address:	2719 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	8706641 / 1987-11-05
Facility ID:	8706641
Facility Type:	ER
DER Facility ID:	60434
Site ID:	253912
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	2401
Spill Date:	1987-11-05

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1987-11-05
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	1987-11-05
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-11-09
Spill Record Last Update:	2005-12-21
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"SENT SCAVENGER TRUCK TO CLEAN UP, SAND WAS APPLIED TO SPILL ON CONCRETE FLOOR, SUPT. PURCHASED CONTAINERS THAT WILL BE PACKED. GASKETS ON TANKS TO BE REPLACED."

All Materials:

Site ID:	253912
Operable Unit ID:	912528
Operable Unit:	01
Material ID:	465648
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

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219 East 1/4-1/2 0.316 mi. 1667 ft.

CONEY ISLAND SITE 1B (CAREY GARDENS)
2007 SURF AVENUE
BROOKLYN, NY 11224

NY LTANKS **U001840666**
NY UST **N/A**
NY AST
NY Spills

Relative: Higher

Actual: 3 ft.

LTANKS:

Name:	CAREY GARDENS HOUSING
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9312327 / 1993-01-24
Facility ID:	9312327
Site ID:	256394
Spill Date:	1994-01-20
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	C3
Cleanup Ceased:	1993-01-24

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1994-01-20
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-01-21
Spill Record Last Update:	2003-01-10
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING (COASTAL OIL)
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	209970
DEC Memo:	""
Remarks:	"SPILL CAME OUT VENT & INTO STREET - WINSTON CONTRACTING TO CLEAN UP (718)445-4232."

All TTF:

Facility ID:	9312327
Spill Number:	9312327
Spill Tank Test:	1542382
Site ID:	256394
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	02
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	256394
Operable Unit ID:	994329
Operable Unit:	01
Material ID:	561641
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	75.00
Units:	G

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS APTS -NYCHA
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0109738 / 2004-01-26
Facility ID:	0109738
Site ID:	322120
Spill Date:	2002-01-08
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2002-01-08
CID:	390
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-01-08
Spill Record Last Update:	2005-12-12
Spiller Name:	MARIO MANDALONE
Spiller Company:	CAREY GARDENS APTS
Spiller Address:	2007 SURF AV
Spiller County:	001
Spiller Contact:	MARIO MANDALONE
Spiller Phone:	(718) 649-7017
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	209970
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY SEE ALSO SPILL # 0206040. [THIS SPILL CLOSED TO CONSOLIDATE.]"
Remarks:	"during a tank removal - soil contamination was discovered - clean up will be done by gordon enviormental"

All Materials:

Site ID:	322120
Operable Unit ID:	846927
Operable Unit:	01
Material ID:	527388
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Name:	CONEY ISLAND I B HOUSES -NYCHA
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9607012 / 2011-12-02
Facility ID:	9607012
Site ID:	322121
Spill Date:	1996-09-03
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	1996-09-03
CID:	349
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1996-09-03
Spill Record Last Update:	2011-12-02
Spiller Name:	DAVE FORTE/NYC HOUSING
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	DAVE FORTE/NYC HOUSING
Spiller Phone:	(212) 306-3233
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	209970
DEC Memo:	"12/12/05: This spill transferred from J.Kolleeny to S.Kraszewski. 03/23/06: This spill transferred to K.Tang - SK 6/11/09: J.Kann - spill transfered to J.Kann. 6/11/09: JKann - Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 6/09/10: J.kann - comments on the work plan were emailed to NYCHA (edoced). revised plan due July 10. 08/02/2010: J.Kann - revised work plan submitted July 27, 2010. Plan reviewed approved in an email of 8/2/2010. 2/4/11: J.Kann - SAR received on 1/28/11 and edoced. 10/20/11: J.Kann - comments sent to NYCHA on the SAR. One additional sample must be collected north of the tank. 10/27/11: J.Kann - observed collection of sample north of the tank. NO odor or visible contamination noted. NYCHA sent soil and groundwater grab samples to laboratory for analysis. 11/10/11:J.Kann - results of 10/27 sampling submitted. Noted that samples were only analysed for VOCs. Instructed NYCHA that SVOC analysis must also be done. 12/1/11: J.Kann - received results of SVOC sampling and a letter requesting closure of the spill. Reviewed data. Minor SVOCs detected, no VOCs detected. Sample was collected from the fill port area. No further action necessary. Spill closed. "
Remarks:	""

All TTF:

Facility ID:	9607012
Spill Number:	9607012

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Spill Tank Test:	1544721
Site ID:	322121
Tank Number:	1b
Tank Size:	15291
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	322121
Operable Unit ID:	1038156
Operable Unit:	01
Material ID:	346280
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

UST:

Name:	CONEY ISLAND SITE 1B (CAREY GARDENS)
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473898 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	585732.40689
UTM Y:	4492079.68781
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20862
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-02-28

Site Id:	20862
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20862
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND SITE 1B (CAREY GARDENS)
Contact Type:	Not reported
Contact Name:	NYCHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-15

Site Id:	20862
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	2011-09-30

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Tank Info:

Tank Number:	1
Tank ID:	63078
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	03/01/2002
Date Tank Closed:	04/20/2017
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	06/15/2017

Equipment Records:

I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number:	OLD 1
Tank ID:	37551
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	15000
Install Date:	05/01/1973
Date Tank Closed:	03/01/2002
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	01/01/1991
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

AST:

Name:	CONEY ISLAND SITE 1B (CAREY GARDENS)
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-473898
Program Type:	PBS
UTM X:	585732.40689
UTM Y:	4492079.68781
Expiration Date:	N/A
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20862
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-02-28

Site Id:	20862
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Modified By:	DAFRANCI
Date Last Modified:	2018-02-23
Site Id:	20862
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND SITE 1B (CAREY GARDENS)
Contact Type:	Not reported
Contact Name:	NYCHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-15
Site Id:	20862
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	2011-09-30

Tank Info:

Tank Number:	T1
Tank Id:	60318
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
J02 - Dispenser - Suction Dispenser
G01 - Tank Secondary Containment - Diking (Aboveground)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I03 - Overfill - Automatic Shut-Off

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

above grade or tank pad, allowing visual inspection.

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	09/01/2002
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/01/2002
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

SPILLS:

Name:	CAREY GARDENS -NYCHA
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0307939 / 2007-06-14
Facility ID:	0307939
Facility Type:	ER
DER Facility ID:	209970
Site ID:	256393
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	2401
Spill Date:	2003-10-28
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	2003-10-28
CID:	204
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-10-28
Spill Record Last Update:	2007-06-14
Spiller Name:	NORMAN ZABUSKY
Spiller Company:	CAREY GARDENS
Spiller Address:	2007 SURF AVENUE
Spiller Company:	001
Contact Name:	NORMAN ZABUSKY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY 10/28/03 ROSSAN, DDO: Called Norman who confirmed that spill is contained. DEP was informed of the 20 gallons of oil which went into the sewer. The rest of the oil is on concrete pavement and contained. The Mobile Boiler company on site is about to start the clean-up. No soil was impacted. Norman will call back with Up-date. Copy of spill report was given to Jon. Ed. 11/02/05: This spill transferred from J.Kolleeny to S.Kraszewski. 01/17/06: Reviewed NYCHA

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

spill report along with invoice and manifest documents from Clean Venture, contractor hired to clean up spill. But according to report A.L. Eastmond cleaned up the spill. The dates on the invoice and manifest do not match the spill date. Cannot close out until the correct documents are submitted. - SK 01/27/06: This spill transferred from S.Kraszewaski to Q.Abidi. 03/31/06: This spill transferred from Q. Abidi to Koon Tang. 09/27/06: Discrepencies in documentation noted above suggest possible confusion in NYCHA documents between this spill and spill 0400233. - JK 06/14/07: This site, based on address listed - 2007 Surf Avenue is actually Coney Island 1 (Site B) NOT Cary GArdens. This is likely the source of the confusion. Spill 0400233 was actually Carey Gardens. A.L. Eastmond did the cleanup at this site, according to NYCHA. The catch basin was vacuumed and affected areas cleaned. For this reason, the spill was closed. - J. Kann"

Remarks: "MOBILE BOILER ON SITE - PRESSURE GUAGE ON 1/2 INCH NIPPLE BROKE 60 GALLONS SPILLED TO PAVEMENT - 20 GALLONS TO CATCH BASEMENT- ABSORBANT AND BOOMS BEING USED "

All Materials:

Site ID:	256393
Operable Unit ID:	876432
Operable Unit:	01
Material ID:	501462
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	60.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS HOUSING
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9407365 / 1994-09-27
Facility ID:	9407365
Facility Type:	ER
DER Facility ID:	209970
Site ID:	256395
DEC Region:	2
Spill Cause:	Abandoned Drums
Spill Class:	C3
SWIS:	2401
Spill Date:	1994-08-31
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1994-08-31
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Local Agency
Cleanup Ceased:	1994-09-27
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-08-31
Spill Record Last Update:	2003-01-10
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"ABANDONED TANK FOUND WITH OIL IN IT. JANE HEALY FROM NYSDEC IS ON SCENE. WILL PUMP OUT AND REMOVE TANK."

All Materials:

Site ID:	256395
Operable Unit ID:	1001618
Operable Unit:	01
Material ID:	380372
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	500.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

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220 WSW 1/4-1/2 0.357 mi. 1885 ft. **SEA GATE F C STA** **FUDS** **1024899273** **N/A**

NO CITY, NY

Relative: Higher

Actual: 11 ft.

FUDS:

EPA Region:	2
Installation ID:	NY29799F121000
Congressional District Number:	8
Name:	SEA GATE F C STA
FUDS Number:	C02NY0697
City:	NO CITY
State:	NY
County:	KINGS
Object ID:	6661
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=57231
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	The site was utilized as a fire control station by the Department of Army as part of the harbor defense system of lower New York Harbor.
Project Required:	No
Feature Description:	Not reported
Latitude:	40.57333333

SEA GATE F C STA (Continued) **1024899273**

Longitude: -74.00388889

221
ENE
1/4-1/2
0.360 mi.
1903 ft.

BROOKLYN EAST 13 DOS -DDC
2012 NEPTUNE AVENUE
BROOKLYN, NY

NY LTANKS **S111318243**
NY Spills **N/A**

Relative:
Lower

Actual:
0 ft.

LTANKS:

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9003790 / 2005-06-15
Facility ID:	9003790
Site ID:	59339
Spill Date:	1990-07-05
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1990-07-05
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1990-07-06
Spill Record Last Update:	2005-06-15
Spiller Name:	Not reported
Spiller Company:	ZEEJAY RLTY/C/O J.BERGER
Spiller Address:	2161 81ST STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	58100
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY 6/15/05: This spill closed to consolidate with open spill 9808560 for this site, under which remediation pursuant to DDC consent order is being tracked. - JK"
Remarks:	"NYSDOS WILL EXCAVATE TO PUT IN TANKS, FOUND SHEEN IN GROUND, TIGHTNESSTESTING TO BE DONE ON EXISTING TANKS, TRYING TO LOCATE LEAK." Not reported

All Materials:

Site ID:	59339
Operable Unit ID:	941609
Operable Unit:	01
Material ID:	434923
Material Code:	0017A
Material Name:	PCB oil

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9805012 / 2005-01-06
Facility ID:	9805012
Site ID:	205102
Spill Date:	1998-07-22
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C1
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1998-07-22
CID:	366
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-07-22
Spill Record Last Update:	2005-01-06
Spiller Name:	Not reported
Spiller Company:	NYC DEPT. OF SANITATION
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	PETE SAPIERI
Spiller Phone:	(212) 788-4079
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	58100
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY AFTER TANK TEST FAILURE, TANK TOP EXPOSED, FOUND TWO GOOD SIZED HOLES IN PIPING. ISOLATED TANK AND PERFORMED TANK ONLY TEST - STILL FAILED. SEE ALSO SPILL #9808560 (TANK REMOVAL IN OCTOBER '98). This spill closed to consolidate. Refer to open spills 9808560 (heating oil tank) and 9401508 (gasoline tank). Site is undergoing remediation by LiRo Engineers under the NYCDDC Consent Order. - J. Kolleeny 1/6/05"
Remarks:	"TANK TEST FAILED. REGION 2 WAS CONTACTED."

All TTF:

Facility ID:	9805012
Spill Number:	9805012
Spill Tank Test:	1546092
Site ID:	205102
Tank Number:	Not reported

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Tank Size:	3500
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20
Test Method 2:	USTest 2000/P/LL plus USTest 2000/U
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	205102
Operable Unit ID:	1062922
Operable Unit:	01
Material ID:	319767
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9401508 / 2005-05-17
Facility ID:	9401508
Facility Type:	ER
DER Facility ID:	58100
Site ID:	59340
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1994-05-02
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1994-05-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1994-05-05

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Spill Record Last Update:	2005-05-17
Spiller Name:	Not reported
Spiller Company:	DEPT OF SANITATION
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY This spill report is believed to refer to an incident in which about 400 gallons of gasoline disappeared from a 550-gallon gasoline UST shortly after a positive pressure test was performed on the tank by NYC Buildings Dept. personnel. Site is currently under remediation for gasoline, diesel fuel, and heating oil contamination. Remediation system installed and overseen by LiRo Engineers under NYCDDC Consent Order. JK 1/6/05. 5/17/05: This spill closed today to consolidate with open spill 9808560 (fuel oil tank pull), under which all site remediation is being conducted by DDC and contractors. - J. Kolleeny"
Remarks:	"WOULD LIKE CALL BACK AS TO NEXT STEP TANK TESTER: MR HOGARSON PLUMING SANITATION CALLED REZA AND BOB OF DGS TO FOLLOW UP."

All Materials:

Site ID:	59340
Operable Unit ID:	998726
Operable Unit:	01
Material ID:	385262
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	400.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9404237 / 1994-06-30
Facility ID:	9404237
Facility Type:	ER
DER Facility ID:	58100
Site ID:	59341
DEC Region:	2
Spill Cause:	Human Error
Spill Class:	C3
SWIS:	2401
Spill Date:	1994-06-27
Investigator:	GUTIERREZ
Referred To:	Not reported
Reported to Dept:	1994-06-27
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	1994-06-30
Cleanup Meets Std:	True
Last Inspection:	Not reported

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-09-23
Spill Record Last Update:	2005-07-07
Spiller Name:	Not reported
Spiller Company:	B'KLYN 13 GARAGE NYC DOS
Spiller Address:	2012 NEPTUNE AVENUE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"10 GALLONS P/U WITH SPEEDY DRY. REST WENT TO DRAIN IN GARAGE FAXED REPORT TO DEP -VALVE NOT COMPLETED , CLOSED."

All Materials:

Site ID:	59341
Operable Unit ID:	998081
Operable Unit:	01
Material ID:	380854
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Site ID:	59341
Operable Unit ID:	998081
Operable Unit:	01
Material ID:	380855
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	75.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9808560 / 2011-10-21
Facility ID:	9808560
Facility Type:	ER
DER Facility ID:	58100
Site ID:	115384
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	1998-10-09
Investigator:	AXDORONO
Referred To:	CASE CLOSED
Reported to Dept:	1998-10-09

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

CID:	365
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-09
Spill Record Last Update:	2011-10-21
Spiller Name:	Not reported
Spiller Company:	NYC DEPT. OF SANITATION
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	LUIS ESNOVA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY. AFTER TANK WAS PULLED, HOLES DISCOVERED IN TANK BOTTOM, PRODUCT POOLED IN EXCAVATION PIT. VAC TRUCK PUMPED ABOUT 300 GALLONS OF PRODUCT FROM PIT, BACKHOE EXCAVATED A LOT OF GROSSLY CONTAMINATED SOIL, BUT THERE'S STILL A LOT OF CONTAMINATED SOIL, PROBABLY WITH PRODUCT ON WATER TABLE, LEFT BEHIND. EXCAVATION STOPPED BECAUSE THREATENED TO UNDERMINE ACTIVE DRIVEWAY. JK ALLOWED BACKFILLING OF EXCAVATION WITH UNDERSTANDING THAT RESIDUAL CONTAM. SOIL AND FREE PRODUCT WILL BE ADDRESSED AT SOME POINT IN THE NEAR FUTURE. END-POINT SAMPLES WERE COLLECTED FOR LAB ANALYSIS. SEE ALSO SPILL #9805012 (TANK TEST FAILURE) AND #9711638 (SOIL CONTAMINATED BY #2 FUEL OIL ENCOUNTERED DURING MONITORING WELL INSTALLATION). See also spill #9401508 (gasoline tank failure). Site is under remediation by LiRo Engineers under the NYCDDC Consent Order. - JK, 1/6/05. LiRo has installed and is operating a multi-phase extraction system at the site. Dissolved-phase groundwater contamination has decreased considerably, though free product continues to appear in several wells. System has been adjusted to focus on remaining hot spots, turning off extraction wells in relatively clean areas of the site. 3/01/05: DEC gave email approval of proposed soil boring locations for upcoming round of semi-annual soil monitoring to evaluate current soil conditions at the site. - JK 7/6/05: DEC reviewed Quarterly Monitoring Report for Dec. '04 through Feb. '05, with recommendation to shut down all extraction wells except EW-12, EW-13 and W-15, and to modify EW-15 to operate as an SVE well, in order to focus on remaining contamination. DEC issued letter approving these recommendations on 7/6/05. - J. Kolleeny 9/26/05: DEC reviewed Quarterly Monitoring Report for June through August 2005, presenting 3 proposed boring locations for upcoming round of soil sampling and recommending installation of ORC socks in wells MW-3 and MW-7. JK of DEC sent approval email on 9/26/05, but also asked that wells MW-10 and MW-13 (MTBE above stds. in April '05 but not sampled in July '05) be sampled in next groundwater monitoring event. - J. Kolleeny 12/07/06: Reviewed LiRo's last quarterly monitoring report for site, for Sept.-Dec. '05, dated Jan. 20, 2006. MPE system is shut down due to problem with liquid ring pump. Groundwater results show low levels of MTBE in wells MW-3, MW-7 & MW-13, and persistent inch or so of free product in MW-12 (product in MW-4, MW-11R comes and goes). LiRo recommended not replacing LRP, installing ORC socks in wells with MTBE, and bi-monthly vac truck visits to address free product in

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

MW-12. Site transferred to Greyhawk/Roux. Reviewed Roux's first quarterly report, for April-June 2006, dated June 30, 2006. Free product present in MW-4 (0.06 ft. in 5/06, 0.09 ft. in 6/06) and MW-12 (0.19 ft. in 5/06, 0.39 ft. in 6/06); sheen in MW-11R in June '06. MTBE detected in MW-3 (110 ppb) and MW-7 (11 ppb), naphthalene detected in MW-11R (11 ppb). Roux plans to use a bailer or Spill Buddy to recover product from MW-4 and MW-12; they recommend maintaining system shutdown status, evaluating alternative remedial options for remaining contamination, continuing quarterly groundwater sampling and monthly well gauging, and dropping wells MW-1, MW-2, MW-5, MW-6, MW-8, MW-9, MW-14 and MW-15 from groundwater monitoring program. Sent email to Brian Morrissey of Roux (copied Andy Ledins, Ed Looney of Greyhawk) asking that this site be added to agenda for upcoming meeting with DDC on Dec. 12, 2006. Will discuss site at meeting. - J. Kolleeny 02/08/07: Reviewed Roux's Quarterly report for July-Aug. '06, and received/reviewed email from Brian Morrissey of Roux on 2/7/07 stating: Here is an update regarding NYCDOS Brooklyn East 13; Spill #9808560: Product Levels/Groundwater Gauging: Monthly groundwater gauging and quarterly sampling are conducted. Although several site wells have historically exhibited free phase product, there are currently only 3 wells that routinely require replacement of absorbent socks for sheen control. As you may note from attached PDF file of groundwater gauging tables [in eDocs], only trace amounts of product have been detected sporadically in one well (MW-12) over past six months (0.01 ft in Aug. and 0.01 ft in Jan., no detectable product other months). Wells MW-04 and MW-11R have not exhibited any measurable free product, but do exhibit a sheen. Groundwater Results: As reported in Dec. 15, '06 quarterly report, groundwater results show that NYSDEC AWQSGVs were only exceeded in 4 monitoring wells (MW-01, MW-03, MW-04, and MW-14) with highest total VOCs being 88 ppb (MW-03). Also note that total VOCs of 51 ppb in MW-04 represent only minor exceedances for Isopropylbenzene, Naphthalene and tert-Butylbenzene. Monitoring well MW-11R exhibits only 10 ppb of MTBE, equal to its AWQSGV. No SVOCs were detected, with exception of MW-11R (5.4 ppb, Fluorene), far below its AWQSGV of 50 ppb. Based on these fairly clean analytical results, Roux Associates will attempt to take fingerprint samples of detected product in MW-04, MW-11R and MW-12 during next gauging round to determine if interface being detected by equipment is, in fact, petroleum product. Recommendations: Roux Associates would like to respectfully reiterate recommendations set forth at December 12, 2006 meeting and in Dec. 15, '06 Quarterly Monitoring: 1) Maintain remedial system shutdown status and secure system (to remain onsite). 2) Reduce groundwater sampling frequency from quarterly to semi-annual. 3) Remove SVOCs from sampling program, since SVOCs were detected in only one well and below NYSDEC AWQSGVs. 4) Remove monitoring wells MW-02, MW-05, MW-06, MW-07, MW-08, MW-09, MW-10 and MW-15 from sampling schedule since no compound, either VOC or SVOC, has been detected above NYSDEC AWQSGVs for more than two consecutive monitoring periods. 5) Reduce gauging frequency from monthly to quarterly, as sporadic, trace amounts of product are only detectable in one monitoring well (MW-12), and appear to be effectively controlled by use of petroleum absorbent socks. 6) Remove absorbent socks from MW-04 and MW-11R. If product reappears during the next subsequent gauging round, absorbent socks will be re-installed. 7) Obtain a sample for petroleum fingerprint analysis from MW-04, MW-11R and MW-12. I sent email approving these recommendations on 2/8/07. - J. Kolleeny 03/01/2007: This spill case

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

was transferred to A. Doronova. - AD 03/12/2007: Reviewed site file. This site is in semi-annual monitoring stage. AD 04/24/2007: Received quarterly monitoring report dated April 11, 2007 by Roux. Report covers period October through December 2006. It states that, low-level residual VOC groundwater contamination remains in only four MW on the site. During November 8 and 9 gauging events, odor was detected in wells MW-01, MW-07, MW-08, MW-13 and MW-14. On November 9, 2006, free-phase product appear in wells MW-04 and MW-12 and these two wells could not be sampled. But in the Product Thickness evaluation it states that no free-phase product was detected during the reporting period. (Statements conflict?)In total 14 groundwater samples were conducted on November 8 and 9, 2006. VOC were detected in only five of the 14 MW sampled. The NYSDEC AWQSGVs were exceeded only in four of the five MW. (MTBE - 97ug/L at MW-03). No SVOCs were detected in any of the MW. Based on the data Roux recommends to reduce the frequency of groundwater monitoring from quarterly to annual due low-level residual contamination remains only in four site MW. Spoke to J. Kolleeny regarding free-phase product statements conflict. Sent an email to B. Morrissey of Roux, where asked to clarify this issue; and also, as J. Kolleeny suggested, asked him to keep MW-07, which was previously approved to be removed from sampling program, and suggested to remove MW-01 instead. AD 04/26/2007: Received an email from B. Morrissey. He will clarify free-product statements conflict in the next QMR (1st quarter of 2007). In this report Roux will also comply with the recommendations approved by J. Kolleeny. AD 10/17/2007: Received semi-annual monitoring report. Will review. AD 11/14/2007: During the reporting period Roux performed two rounds of gauging (January and June 2007) and one round of groundwater sampling (January 2007). On the January gauging round, 0.01 feet of free-product was detected in well MW-12 and product sheen was detected in wells MW-04 and MW-11R. Absorbent socks were replaced in all these wells. Although MW-04 and MW-11R exhibited an apparent sheen, no VOCs were detected in MW-11R and naphthalene (9ug/L) was only detected VOC in MW-04. Therefore, Roux conclusion is that the product sheen detected in these two wells may not be petroleum related. But according to data from July 2005 sampling round a fingerprint analysis for a sample of free product from well MW-04 indicated it as a weathered No. 2 fuel oil. Groundwater analytical results: VOCs were detected only in four (MW-03, MW-04, MW-14 and MW-18) of the 15 wells sampled and at relatively low levels. MTBE (14ug/L) in MW-03; benzine (2ug/L) in MW-14 and MW-18; naphthalene (9ug/L) in MW-04. Based on the data Roux states that very low-level residual VOC groundwater contamination remain at the site. Roux recommends to conduct additional soil investigation to determine the current soil quality conditions. An additional site investigation work plan proposes to advance ten soil borings in the historically most impacted soil locations. After evaluation of the results of investigation Roux will determine whether the site should be considered for closure. AD 11/20/2007: Spoke with Jon Kolleeny regarding this site. He suggested to use vacuum truck for wells exhibiting free product and sheen. Spoke with B. Morrissey of Roux, asked him if they gauged the wells since June round. Roux gauged them in July and free product re-appeared in the wells MW-12 and MW-04. Product from MW-12 was identified as No. 2 fuel oil. Asked him if they can apply vacuum truck to these wells. Brian said that the amount of the free product is too small for such measure and that they will try to do bailing. Roux going to perform next gauging event

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

in a week. Asked him to collect free product sample for fingerprint analysis. Later sent an email to Afsar Samani approving ASIWP with a suggestion to apply vacuum truck to wells historically exhibiting sheen and free product. AD 08/08/2008: Received a Semi-Annual Monitoring report. Will review. AD 10/22/2008: Reviewed the report. Roux performed additional site investigation from January 14 to 15, 2008. The scope of work included advancing if 9 soil borings, followed by collection of soil samples. According to the report: Soil quality: No VOCs were detected above RSCOs in any of the 18 soil samples collected from 9 soil borings. Three SVOCs were detected in only one soil boring (RXSB-10) slightly above their RSCOs. Groundwater quality: In April 2008 only Naphthalene was detected in MW-04 (12ppb) No VOCs were detected in the remaining six wells sampled (MW-03, -07, -13, -14, -17 and -18). Based on the historical GW quality data, the majority of the site wells stabilized at non-detect conditions. Free-phase product was detected in two wells during the monitoring period: MW-04 (0.01' in July 2007; and MW-12 (0.01' in July 2007, and 0.03' in November 2007 and April 2008). Based on this data, Roux concludes that: resuming operation of the MPE system would not be efficient of cost effective due to high level of achieved cleaup; low-level residual VOC GW contamination remains in one onsite well near the source area, in which free-phase product intermittently appears; residual SVOC soil contamination slightly above NYSDEC RSCOs remains in a localized area; natural attenuation is apparently taking place at the site. Roux recommends: remove wells MW-03, MW-13 and MW-18 from the GW sampling program due to non-detect VOCs in these wells for two consecutive events; remove SVOCs from the GW sampling program; reduce the frequency of the gauging program; decommission and dismantle the MPE; use petroleum-absorbent socks in MW-04 and MW-12 on as-needed basis. Will prepare a letter. AD 11/10/2008: Sent an email to Afsar Samani. Approved the recommendations with some comments. AD 04/28/2009: Received a Semi-Annual Monitoring report for July 2008 - February 2009 period. DL pdf copy to eDocs. Will review. AD 05/21/2009: Reviewed the report. During the reporting period, on July 23 and October 10, 2008, Roux Associates performed gauging of site monitoring wells. Monitoring wells MW-01 and MW-16 have been paved over and MW-11R was found to have an irretrievable metallic obstruction at 3.91 feet bls; thus, they can no longer be gauged. In addition, MW-06 was not accessible during the July and October 2008 gauging events due to NYCDOS equipment. On July 23, 2008, a petroleum absorbent sock was installed in monitoring well MW-04 and one was replaced in MW-12. Due to the presence of free product on October 10, 2008 the socks were replaced. Groundwater Sampling: Following the October 2008 gauging event, Roux Associates performed groundwater sampling of site monitoring wells. Groundwater flow at the site is in a general north-northwesterly direction on the south side of the site and in a southerly direction beneath the site, under these possibly tidally-influenced conditions. Product Thickness: Free-phase product was detected in two wells during the monitoring period in October 2008: MW-04 (0.01 foot); and MW-12 (0.02 foot). Groundwater Quality: In October 2008, one VOC (MTBE) was detected in monitoring wells MW-03 and MW-07, at concentrations of 9 and 7 micrograms per liter (?g/L), respectively. Neither concentration exceeds the NYSDEC AWQSGV for MTBE of 10 ?g/L. No additional VOCs were detected in the remaining four wells sampled (MW-13, MW-14, MW-17, and MW-18). Based on the historical groundwater quality data presented in the report,

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the majority of the site wells appear to have stabilized at non-detect conditions. Residual low-level VOC contamination was detected in two onsite monitoring wells (MW-03 and MW-07), which have been fluctuating at low levels since at least April 2005. Based on the conclusions cited above, Roux Associates recommends the following: 1. Replace petroleum absorbent socks in monitoring wells MW-04 and MW-12 on an as-needed basis. 2. Decommission and dismantle the MPE system pending NYSDEC approval. 3. Continue semi-annual groundwater monitoring (gauging and sampling) until free-phase product is no longer detected in MW-04 and MW-12 and confirmation site-wide VOC groundwater sampling is conducted in support of a request for NFA. Some of these recommendations, such as decommission and dismantling of the MPE; usage of petroleum-absorbent socks in MW-04 and MW-12 on as-needed basis, were approved by DEC in November of 2008. AD 02/24/2011: Received a Semi-Annual Monitoring report (July to December 2010). DL the report to eDocs. Will review. AD 03/24/2011: Reviewed the report. In February 2010, NYCDDC replaced Greyhawk/Roux with LiRo Engineers, Inc. (LiRo) to serve as construction manager (CM) for the Brooklyn East 13 site. On March 17, 2010, LiRo conducted a site reconnaissance, completed well inspections and gauged accessible site monitoring wells. During the gauging event, MW-04 was noted as not destroyed and an absorbent sock was observed in the well. On August 4, 2010, LiRo conducted quarterly groundwater gauging of fourteen of fifteen active Site monitoring wells. GW flow indicate radial flow outward from a hydraulic high centered in the southwest portion of the site in the vicinity of MW-02, MW-04, MW-06 and MW-15, with an underlying generally westward gradient. On September 23, 2010, LiRo conducted semi-annual groundwater sampling and collected samples from five of six wells: MW-03, MW-04, MW-07, MW-14 and MW-17. Approximately 0.10 feet of free product was measured in MW-12 and GW sample was not collected from this well. The oil was identified as a weathered #2 fuel oil by fingerprint analysis. On January 7, 2011 EFR was conducted at monitoring wells MW-04 and MW-12. Approximately 105 and 109 gallons of total fluids were removed by EFR from MW-04 and MW-12. Prior to EFR, some visible indications of free product were observed on the water level probe at MW-04 and MW-12, but no measurable product thickness was observed in either well. After the completion of EFR, there were no visible indications of free product observed at either well. Groundwater gauging was conducted on 11 of 15 monitoring wells on January 7, 2011. Groundwater samples were collected from 5 of 6 wells and analyzed of STARS list VOCs, MTBE and Naphthalene. A sample was not collected from MW-12 due to the presence of approximately 0.10 feet of a LNAPL. The MPE system, which is currently inactive, consists of a network of 17 extraction wells (EW-01 through EW-17) from which free phase product, contaminated groundwater and soil vapors were extracted using a liquid ring vacuum pump. Dismantling and removal of the system will be deferred until confirmation of the absence of free product in Site monitoring wells. The most recent soil investigation was completed in January 2008. A total of 18 soil samples were collected from 9 soil borings and submitted for STARS list VOCs and SVOCs. No VOCs were detected above their NYSDEC TAGM guidance values for soils in any of the 18 soil samples. Three SVOCs were detected in only one soil boring (RXSB-10) at concentrations slightly above their respective guidance values. The highest TVOCs and TSVOCs were measured in the sample from RXSB-05 (6 to 8 feet bgs) at 7,830 ppb and 47,800 ppb. There were, however, no TAGM 4046

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exceedences in the sample from RXSB-05. One or more VOC were detected in 2 of 5 monitoring wells sampled at concentrations above their respective TOGS guidance value. Monitoring well MW-04 exhibited the highest TVOCs at 124.53 ppb and MW-03 of 13.88 ppb ith only one elevated compound - MTBE. Based on the data, LiRo concludes the following: " Moderate levels of TSVOCs were observed in soil samples collected in January 2008 from RXSB-05 and RXSB-10, however only three SVOCs were found above their NYSDEC standards in RXSB-10 soil samples. " Recent and historic groundwater sampling results show de-minimums VOC concentrations in MW-4 and MW-12. " Indications of a very thin free-phase product (i.e. sheen to 0.10 feet) have been historically observed in MW-04 and MW-12 with decreasing thicknesses and volumes over time. The recent observation of free-phase product in MW-12 was a weathered #2 fuel oil. LiRo recommends the following: " Prepare and submit a 6-month Summary Monitoring Report and an Annual Monitoring Report with recommendations for changes (as necessary) to the remedial program. Proposals " Conduct monthly enhanced fluid recovery (EFR) on MW-04 and MW-12, for the next six months. " Revise the current Site Monitoring Program (SMP) to semi-annual gauging of all wells, and semiannual sampling of only MW-4 and MW-12 for VOCs, MTBE and Naphthalene. " Petition for Spill Closure if supported by EFR program and sampling results. AD 09/30/2011: Received a Semi-Annual Monitoring report (January to June 2011). DL the report to eDocs. Will review. AD 10/11/2011: Reviewed the report. It states that between January 7, 2011 and July 13, 2011, LiRo conducted five EFR events at site wells MW-04 and MW-12 in an effort to induce mobilization of small volumes of free-phase product presumed to remain in the vicinity of these wells. An event was not conducted in February 2011, due to weather conditions and access restrictions. Trace amounts of free-phase product (i.e. visible sheen or beads on probe) were observed diring January 2011 EFR event in both wells, and during April EFR event in well MW-12, but no measurable thicknesses or quantifiable volumes were recorded. During the following May and July EFR events no free product was detected in these wells. The EFR efforts at the site was discontinued after the last event conducted on July 13, 2011. On April 22, 2011, LiRo conducted semi-annual groundwater sampling and collected samples from six wells: MW-03, MW-04, MW-07, MW-12, MW-14 and MW-17. Samples were submitted for analysis of STARS list VOCs, MTBE and Naphthalene. One or more VOCs were detected in 3 of 6 monitoring wells sampled at concentrations above their respective NYSDEC AWQSGVs. Monitoring well MW-04 exhibited the highest TVOCs at 45.12 ug/L. Excluding Naphthalene, monitoring well MW-07 exhibited a TVOC concentration of 13 ug/L with only one compound (MTBE) above its AWQSGV. Groundwater elevation contour maps, generated from both the January and April 2011 water level measurements indicate variable flow directions at the site, likely due to tidal influences, with an underlying generally westward flow direction. Typical hydraulic gradients observed at the site - range between approximately 0.023 feet per feet between MW-7 and MW-10 on January 7, 2011) and 0.004 ft/ft (as measured between MW-4 and MW-6 on April 22, 2011). Based on the information presented in this monitoring report, LiRo concludes the following: " The MPE system and post MPE remedial measures have successfully removed soil and groundwater petroleum contamination at the Site. " No VOCs were detected above guidance values in any of the 18 soil samples collected in 2008. " Dissolved phase VOC concentrations are near or below AWQSVGs with TVOC concentrations

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consistently below 130 ug/L. " No measurable thicknesses or volume of product was observed during routine water level measurements or during the 5 EFR events conducted at MW-04 and MW-12 throughout this monitoring period. Based on the analysis and conclusions presented above, LiRo recommends the closure of Spill No. 9808560. Following spill closure approval, Site monitoring wells will be decommissioned in accordance with NYSDEC CP-43, Groundwater Monitoring Well Decommissioning Policy. To discuss the spill closure request with J. Kolleeny of DEC. AD 11/21/2011: Discussed the spill closure with J. Kolleeny of DEC. Based on the soil and GW data provided it was decided to approve case closure. Issued and sent an approval letter to A. Samani of DDC. DL pdf copy of the letter to eDocs. Case closed. AD "

Remarks: "during an underground tank pull they encountered contaminated soil & its all been excavated - they have also backfilled - dec was on site [ACTUALLY, IT HASN'T ALL BEEN EXCAVATED - SEE DEC NOTES]"

All Materials:

Site ID:	115384
Operable Unit ID:	1065969
Operable Unit:	01
Material ID:	316059
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SANITATION FACILITY
Address:	2012 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	2101533 / 2021-05-19
Facility ID:	2101533
Facility Type:	ER
DER Facility ID:	441632
Site ID:	619249
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2021-05-19
Investigator:	AAOBLIGA
Referred To:	Not reported
Reported to Dept:	2021-05-19
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

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Date Entered In Computer:	2021-05-19
Spill Record Last Update:	2021-05-19
Spiller Name:	Not reported
Spiller Company:	NYC SANITATION
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	DAVID
DEC Memo:	"5/19/21 - Obligado - Desk Duty - I called David. DEP got a report about a hazardous chemical odor at a sanitation garage. 2 550 gallon unused storage tanks which are emitting odors. They reporting sulfurous odor. They ventilated the tanks. The odors are still strong right now. Sanitation will have a vac truck to flush out the tanks. Sanitation contact - Joseph Liberta -(646) 847 4854. Waiting for crew. The smell appears to be coming from 2 sumps. There are 2 closed in place tanks. The smell is coming from the tanks. 2 nights ago they put sand in the tanks. The whiff comes every few minutes. One employee went to the hospital earlier today. He threw up several times. He was cleaning in the area and felt ill. The other was just complaining of being nauseaus. The garage doors are wide open so the area is well ventilated. Closed in place in 1995. I received a call back from Mr. Joseph Liberta at Department of Sanitation. They had a vac truck vacuum out the abandoned top of tank sumps. They confirmed the tanks were infact closed in place with sand. Subsequent to vacuuming out the sumps, no additional odors were reported. They plan to seal the manholes with cement. As per Randall Austin, no further action required and spill can be closed."
Remarks:	"2 550g storage tanks underground omitting strong sulphur odor. 2 employees have gone for medical treatment"

All Materials:

Site ID:	619249
Operable Unit ID:	1366425
Operable Unit:	01
Material ID:	2379056
Material Code:	9999
Material Name:	other - odor complaint
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9711638 / 2005-01-06
Facility ID:	9711638
Facility Type:	ER
DER Facility ID:	58100
Site ID:	226702
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	2401
Spill Date:	1998-01-15
Investigator:	JAKOLLEE

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Referred To:	Not reported
Reported to Dept:	1998-01-16
CID:	322
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-01-16
Spill Record Last Update:	2005-05-17
Spiller Name:	Not reported
Spiller Company:	NYC SANATATION - BROOKLYN EAST 13 SITE
Spiller Address:	20-12 NEPTUNE AVE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY This spill is closed to consolidate. Refer to open spill #9808560 regarding contamination from leaking #2 fuel oil tank, and #9401508 regarding gasoline tank failure and release. Site is under remediation by LiRo Engineers (DPE system) under NYCDDC Consent Order. - JK 1/6/05."
Remarks:	"during an monitoring well install - contaminated soil encountered"

All Materials:

Site ID:	226702
Operable Unit ID:	1058110
Operable Unit:	01
Material ID:	326285
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	DDC BROOKLYN EAST 13
Address:	2012 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1109339 / Not Reported
Facility ID:	1109339
Facility Type:	ER
DER Facility ID:	441632
Site ID:	457108
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2011-10-25
Investigator:	AXDORONO
Referred To:	REPORT (12/27/2021) REVIEWED
Reported to Dept:	2011-10-25

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CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	2011-10-25
Spill Record Last Update:	2022-02-10
Spiller Name:	CALLER
Spiller Company:	UNKNOWN
Spiller Address:	2012 NEPTUNE
Spiller Company:	999
Contact Name:	CALLER
DEC Memo:	"A LiRo Engineers field geologist was preparing to abandon wells at the DOS Brooklyn East 13 facility located at 2012 Neptune Avenue, Brooklyn, NY, as part of our contract with the New York City Department of Design and Construction NYCDDC. This work was initiated in response to the recent closure of Spill No. 9808560. During pre-abandonment activities at former extraction well (EW-02), the geologist discovered approximately 1-foot of free product in the well casing. EW-02 is a 2-inch diameter extraction well for the former Multi-Phase Extraction (MPE) system shut-down in January 2004. See spill 9808560 01/06/2012: This spill case was transferred to A. Doronova. - AD Put site priority as P1. Sent an e-mail to S. Frank of LiRo requesting to submit all available data for the case to my attention. AD 01/13/2012: Received an e-mail from S. Frank of LiRo with an attached report detailing the status of spill #1109339. Report also includes IRM for the site. A hard copy of the report forwarded to DEC as well. DL the pdf copy of the report to eDocs. Will review. AD 01/17/2012: Reviewed the report. It states that in a letter dated October 21, 2011, the NYSDEC approved spill No. 9808560 closure and subsequently, LiRo initiated the abandonment of monitoring wells and 17 remnant extraction wells at the site on October 25, 2011 and abandonment proceeded from north to south, with the successful abandonment of monitoring wells MW-03, MW-07, MW-09, MW-10 and extraction wells EW-04 and EW-06. During the abandonment of extraction well EW-02 approximately 0.5 feet of free-product was observed. The product was described as used oil, opaque and black in color. Upon discovery, LiRo reported the new spill and Spill No. 1109339 was assigned. Further investigation exposed more residual free-product in other extraction wells (EW-02, EW-05, EW-08, EW-09 and EW-13). As reported in the field, the product appeared to have two different consistencies (i.e. originating from two different sources) one discolored black with a thick and viscous consistency (EW-02 and EW-05) and one with a light brown color, translucent appearance and a less weathered and less viscous consistency (EW-08, EW-09 and EW-13). Two product samples of the two different consistencies, were collected from two extraction wells (EW-02 and EW-09) on October 25, 2011, and submitted for petroleum finger-print analysis. Laboratory analytical results reported Lubricating Oil for the EW-02 sample and Weathered Diesel for the EW-09 sample. EFR events were conducted at the site on October 27, November 2 and December 19, 2011 and supplemental groundwater monitoring was

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conducted on October 27th, 31st and December 19th. Product thickness measurements were conducted in site wells and vacuum induced EFR was applied to extraction wells EW-02, EW-09, EW-11 and EW-13. It is suspected that the source of product observed in EW-02 is from improper handling and storage of waste oil at the site and the source of product observed in EW-09 is remnant contamination from the former remedial system or from Spill No. 9808560. LiRo states that the observations of product from either source represent small volumes and may be effectively remediated by the application of EFR as IRM. The proposed IRM includes monthly EFR with groundwater level and product thickness monitoring at the site between February 2012 and July 2012 to provide information and field data on the nature and volume of product at the site. A vacuum truck will be used to conduct EFR extraction on site monitoring and extraction wells that have measurable thicknesses of free-product during each event or as indicated by monthly groundwater and product monitoring. At the end of the IRM period LiRo will make recommendations for further actions based on the results of the IRM. LiRo recommends re-opening the closed spill number (Spill No. 9808560) and maintaining the new spill (Spill No. 1109339) as separate spill numbers for the purpose of tracking the observations of two separate types of free-product at the site. Diccussed the WP with J. Kolleeny of DEC. The closed spill 9808560 will not be reopend. The site will have new spill number - 1109339. GW samples should be collected at the end of the proposed 6-month period. To issue an IRM WP approval letter. AD 01/18/2012: issued and sent an approval letter to A. Samani of DDC with the following remark: At the end of IRM period, groundwater samples should be collected from all wells from which LNAPL has been successfully removed, and from a selection of nearby monitoring wells, and submitted for laboratory analysis. The groundwater analytical data should be included in the summary report. AD 08/08/2012: Had a quarterly meeting with DDC and LiRo. Discussed the site. Monthly EFR events are conducted at the site. Evaluation of this IRM will be presented in 2nd quarter 2012 monitoring report. AD 11/16/2012: Received IRM report for the period January - September 2012. Will review. AD 12/21/2012: Reviewed the report. It states that the IRM performed thus far in 2012 (January through September) included monthly EFR with groundwater level and product thickness monitoring at the Site. EFR events during this monitoring period were completed in February through May, August and September 2012. A vacuum truck was used to conduct EFR extraction on Site monitoring wells and extraction wells that have measurable thicknesses of free-product during each event or as indicated by monthly groundwater and product monitoring. Hydraulic Monitoring During this monitoring period, groundwater gauging events were conducted on February 8, March 13, April 26, May 31, August 23 and September 10, 2012. Water levels were collected from non-abandoned, accessible monitoring and extraction wells. Groundwater elevation contour maps, were generated from both the February 2012 and September 2012 water level measurements. Contours indicate variable flow directions at the Site, likely due to tidal influences. Typical hydraulic gradients observed at the Site range between approximately 0.01 feet per foot (ft/ft) (as measured between MW-18 and MW-12 on February 8, 2012) and 0.003 ft/ft (as measured between MW-5 and MW-6 on September 10, 2012). Between January and September 2012 six EFR events were conducted in an effort to induce mobilization and remove small volumes of residual free-phase product remaining in the wells mentioned above. Varying

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amounts of free-phase product were observed, but no quantifiable removal volumes were recorded. The suspected source of product observed in EW-02 (and surrounding wells) is from improper handling and storage of waste oil at the Site (Spill No 1109339). The source of product observed in EW-09 (and surrounding wells) is remnant contamination from the former remedial system or from Spill No. 9808560. In general, there was measurable free-phase product observed at Site in monitoring and extraction wells EW-02, EW-05, EW-08, EW-09, EW-13 and MW-12. However, there is no distinct trend in measured product thicknesses for this monitoring period. On October 29, 2012, flooding occurred at the Site from Hurricane Sandy. On November 1, 2012, at the request of NYCDDC, LiRo attempted a Site visit to determine what impacts (if any) the hurricane had at the Site. DOS representatives refused access to the Site. NYCDDC is currently coordinating access with DOS to evaluate current Site conditions. Groundwater samples will be collected, analyzed and submitted for the NYSDEC CP-51 list of VOCs, MTBE, Naphthalene and SVOCs (where applicable) when monitoring and extraction wells are free of petroleum product for six months. AD 12/10/2013: Received semi-annual IRM report for the periods: November 2012 to April 2013, and May 2013 to November 2013. DL the report to eDocs. Will review. AD 01/09/2014: Reviewed the report. It states that the scheduled EFR events for October 2012 through December 2012 were not conducted due to severe damage and flooding inflicted at the Site by Hurricane Sandy. During a November 1, 2012, Site walkover, conducted immediately after the storm, it was noted that a puddle of free-phase product (oil) of an unknown origin was in the road curb outside the Site. It was reported by the DSNY Site contact that the Site was closed and had been flooded by up to 7-feet of water and that the interior of the Site was contaminated by motor oil, waste oil and raw sewage. Access to the Site was not provided. During a November 30, 2012, follow-up Site visit to assess interior conditions, the DSNY Site contact stated that DSNY had not yet assessed the Site USTs or ASTs for damage or leakage. The DSNY Site contact noted that one (1) of the five (5) interior ASTs (the 275-gallon used oil AST) had become dislodged from its saddle and had been found floating on the other side of facility. The IRM EFR events and water level measurements resumed on January 9, 2013, and were conducted on a twice a month frequency between January 2013 and May 2013 and between September 2013 and November 2013. In June and July 2013 EFR events were performed on a monthly frequency and none were completed in August 2013 due to sub-contract issues. Between June 17 and 27, 2013, LiRo conducted a tidal influence study utilizing three (3) Site monitoring wells (MW-05, MW-08 and MW-17) and one extraction well (EW-14). On September 5, 2013, a new Spill was listed on the NYSDEC Database for the Site (Spill No. 1305932) with an unknown material and a reported cause of vandalism. The spill was called in during a floor drain/catch basin excavation when oil stained soil was observed. A separate Site Investigation Plan (SIP) for Spill Mo. 1305932 will be prepared and submitted to the NYSDEC after LiRo reviews proposed catch-basin excavation soil sample results. On November 26, 2013, LiRo collected supplemental fingerprint samples from EW-02, EW-05, EW-09 and EW-11. Conclusions: Between December 2012 and September 2013 fourteen EFR events were conducted in an effort to induce mobilization and remove residual free-phase product remaining in the wells with measurable product. Approximately 22,102 gallons of total fluids were removed from Site wells for the

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monitoring period (November 2012 to November 2013) for the IRM. Spill No. 1109339: For the monitoring period, there was measurable free-phase product (Waste Oil) observed at extraction wells EW-02 and EW-05. However, there was no distinct trend in measured product thicknesses due to the increase in thicknesses observed in EW-05 between June 2013 and September 2013 and subsequent decline. Spill No. 1305932: In general for the monitoring period, there was measurable free-phase product (Weathered Diesel) observed at Site in monitoring and extraction wells EW-08, EW-09, EW-13 and MW-12. There was a distinct decreasing trend in measured product thicknesses from the December 2012 high to the end of this monitoring period. The suspected source of waste oil product observed in EW-02 and EW-05 is from improper handling and storage of waste oil at the Site (Spill No 1109339). The suspected source of product observed in EW-09, EW-08, EW-13 and MW-12 is remnant contamination from the former remedial system from Spill No. 9808560 and is also associated with the oily soil reported for Spill No. 1305932. Based on the analysis and conclusions presented above, LiRo recommends the following: - Maintain schedule of bi-monthly (i.e. twice a month) site-wide product gauging and EFR events at wells with observed product. - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect groundwater samples from all accessible Site wells and submit for analysis of the NYSDEC CP-51 list of VOCs and SVOCs. - Coordinate with the on-site DSNY representative to collect soil samples from the final catch basin excavation and submit for analysis of the NYSDEC CP-51 list of VOCs and SVOCs. Prepare a SIP after review of planned Site-wide groundwater sample results and catch basin soil sample results. There are no proposals that require NYSDEC approval. AD 07/24/2014: received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure and Semi-Annual Monitoring Report for Spill Nos. 1109339 and 1305932, DSNY Brooklyn East 13 Garage, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on July 23, 2014. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report includes a recommendation to reduce the groundwater sampling frequency from semi-annual to annual. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Craig T. Taylor Project Hydrogeologist LiRo Engineers, Inc. Will review. AD 08/05/2014: Reviewed the report. It states that the Site monitoring program (SMP) for the period of December 1, 2013 to May 31, 2014, included water level gauging from accessible Site wells, semi-annual sampling from nine (9) wells (MW-04, MW-05, MW-06, MW-08, MW-12, MW-13, MW-14, MW-17 and MW-18) and an EFR IRM at nine (9) locations (EW-02, EW-05, EW-08, EW-09, EW-11, EW-13 EW-14, MW-04 and MW-12). All groundwater samples are submitted for analysis of CP-51 list VOCs and results are compared to the NYSDEC Division of TOGS (1.1.1). On October 25, 2011, abandonment of MPE system wells was initiated at the Site from north to south, however, the abandonment of extraction well EW-02 revealed approximately 0.5 feet of free-product within the well. The product was described as used oil, opaque and black in color. The completion of dismantling and removal of the system was deferred until freephase product is absent in remaining monitoring and extraction wells at the Site. Free

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product data: For the current monitoring period there was an overall decrease, albeit sporadic, in thicknesses in EW-08, EW-09, EW-13 and MW-12 from the December 2012/January 2013 highs to December 2013/May 2014 lows. The product thicknesses measured at EW-11 exhibited an anomalous rise, up to 3.12 feet, between January 2014 and April 2014. The thicknesses in EW-11 have remained below 0.10 feet for the last three EFR events of the monitoring period. GW data: For the reporting period, routine semi-annual groundwater gauging and sampling was completed by LiRo on April 17, 2014. LiRo conducted semi-annual water level gauging at accessible Site monitoring wells and collected nine (9) semi-annual groundwater samples from Site wells April 2014 groundwater analytical results were compared to NYSDEC AWQSGVs. One VOC (Benzene) was reported at a concentration above its respective NYSDEC AWQSGV at one well location (MW-17). Groundwater total VOC concentrations ranged from non-detect (ND) in five (5) locations (MW-05, MW-06, MW-08, MW-12, and MW-13) to 10 micrograms per liter (?g/L) in monitoring well MW-17. A comparison of total VOC concentration trends between April 2011 and April 2014 shows low (i.e. less than 10 mg/L) concentrations of dissolved phase VOCs in site groundwater, with 8 of 9 sampled locations reporting all VOCs below their respective AMQSGVs in April 2014. All monitoring wells report a decreasing trend in VOC concentrations or no change with the exception of MW-18 which reported a slight increase in TVOC concentrations. EFR: Between December 2013 and May 2014 eleven (11) EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 13,364 gallons of total fluids were removed from Site wells for the monitoring period. Based on the analysis and conclusions presented above, LiRo recommends the following: - Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product. - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. These actions will be conducted as part of the routine monitoring program until proposals beloware approved by the NYSDEC: The following proposals require NYSDEC approval: 1) Reduce the frequency of groundwater sampling from semi-annual to annual. AD 03/13/2015: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill Nos. 1109339 and 1305932, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on March 13, 2015. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report includes a proposal that requires your review and approval for consolidation of Spill Number 1305932 into Spill Number 1109339. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 04/03/2015: Reviewed the report. It states that: EFR: For the monitoring period (June 2014 to December 2015) approximately 4,041

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gallons of total fluids were removed from site wells by EFR. For the current monitoring period ten (10) EFR events were conducted. A 2nd event for July 2014 was not conducted due to site inaccessibility and after the 1st event for November 2014 due to NYCDDC budgetary constraints. Starting in January 2015, product removals will be completed by hand-bailing (i.e. wells with 2-inch or greater inner diameters) and/or eristaltic pumps (i.e. wells with less than 2-inch inner diameters) until the resumption of removal by EFR. Soil conditions: Oily soil was observed during the excavation of a Site catch-basin in September 2013 and subsequently Spill No. 1305932, was assigned to the site. LiRo coordinated with DSNY to collect soil samples from the final excavation. During this monitoring period five (5) soil samples (i.e. W1 through W4 and Bottom) were collected from a DSNY managed catch-basin excavation. All December 2013 soil samples were submitted for analysis of the NYSDEC s October 21, 2010, Final Commissioner Policy, CP-51 Soil Cleanup Guidance (CP-51) list of VOC and SVOCs and results were compared to CP-51 Soil Cleanup Levels (SCLs) criteria. One or more CP-51 list VOCs were reported at concentrations above SCLs in three (3) of five (5) December 2013 soil samples: W1, 5.5 to 6.0 feet bgs; W2, 5.5 to 6.0 feet bgs and W4, 5.5 to 6.0 feet bgs. Reported total VOCs ranged between ND in W3 sample to 27,000 ug/kg in the W2 sample. One or more CP-51 list SVOCs were reported at concentrations above SCLs in four (4) of five December 2013 soil samples: W2, 5.5 to 6.0 feet bgs; W3, 5.5 to 6.0 feet bgs; W4, 5.5 to 6.0 feet bgs and Bottom, 6.5 to 7.0 feet bgs. Reported total SVOC concentrations ranged between 15,560 ug/kg in the Bottom sample to 116,500 ug/kg in the W2 sample. Summary: On December 17, 2014, LiRo conducted groundwater gauging at accessible Site wells. The performance of field activities has been impacted at the site due to NYCDDC delays in funding for the new PW348-64 contract. As a result of these delays, groundwater sampling and November/December 2014 EFR events were not completed during this monitoring period. EFR Between June 2014 and December 2014 ten (10) EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 4,041 gallons of total fluids were removed from Site wells for the monitoring period. Overall, product thicknesses were typically below in EW-02 and EW-05 with an overall monitoring period average of 0.06 feet, when compared to the previous monitoring periods. The distinct decreasing trend in measured product thicknesses, from the December 2012 high to the end of this monitoring period at the site in monitoring and extraction wells EW-08, EW-09, EW-13 and MW-12, has been maintained. Based on the analysis and conclusions presented above, LiRo recommends the following: Actions The following actions will be conducted as part of the routine monitoring program until proposals below are approved by the NYSDEC: - Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. Proposals: The following proposals require NYSDEC approval: 1) Consolidate Spill Nos. 1305932 and 1109339 into one Spill No. (e.g. 1109339). As it was discussed and agreed at the quarterly meeting with DDC and LiRo, consolidation of the spills will be postponed till groundwater samples from the new spill will be collected. AD

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12/21/2015: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill Nos. 1109339 and 1305932, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on December 21, 2015. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report includes a proposal that requires your review and approval for consolidation of Spill Number 1305932 into Spill Number 1109339. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 01/25/2016: Reviewed the report. It states that for the reporting period, routine semi-annual groundwater gauging and Site-wide sampling was completed by LiRo on May 14, 2015, and September 23 to 24, 2015. A supplemental groundwater sampling event was also completed on January 23, 2015, in lieu of the 2nd 2014 sampling round not completed due to NYCDDC delays in funding for the new PW348-64 contract. For each of the three sampling rounds, LiRo conducted water level gauging at accessible Site wells. For the January 2015 and May 2015 sampling rounds LiRo collected eight (8) groundwater samples. For the September 2015 sampling round LiRo collected nine (9) groundwater samples. During the September 23, 2015, groundwater gauging event groundwater was observed between 3.44 and 5.41 feet bgs. Groundwater elevations ranged between -0.37 and 0.41 feet AMSL. Free phase product was detected in two (2) gauging locations: EW-09 and MW-02R, with thickness ranging between 0.17 feet (EW-09) and 0.19 feet (MW-02R). Groundwater Total VOC Trends: A review of total VOCs trends in the January 2015, May 2015 and September 2015 shows very low (i.e. less than 10 ug/L) concentrations of dissolved phase VOCs in Site groundwater, with all sampled locations reporting all VOCs below their respective AWQSGVs in all three sampling rounds. During the August 6, 2015, quarterly meeting with NYCDDC, NYSDEC and LiRo, the NYSDEC expressed concern that VOCs observed in the December 2013 catch-basin soil samples may be impacting groundwater and requested the completion of site-wide groundwater sampling. On September 11, 2015, two (2) replacement monitoring wells (MW-02R and MW-04R) were installed at the Site and both wells were developed on September 14, 2015. EFR: The performance of field activities had been impacted at the Site due to NYCDDC delays in funding for the new PW348-64 contract and as a result of these delays, EFR events were not completed between January 2015 and March 22, 2015. On March 2, 2015, March 9, 2015 and March 16, 2015, LiRo conducted hand-bailing and product removal using a peristaltic pump. However, due to the relatively small volumes removed (i.e. typically less than 5 gallons), the March 2015 removals via peristaltic pump are not included in EFR total fluid volume estimates. EFR events resumed at the Site on March 23, 2015. For the monitoring period approximately 16,685 gallons of total fluids were removed from Site wells by EFR. For the current monitoring period fifteen (15) EFR events were conducted. Overall, product thicknesses were within historic averages and with an overall monitoring period average of 0.03 feet, when compared to the previous monitoring periods. A June 2015 spike in the

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thickness measured in MW-12 warrants continued monitoring and EFR. September 2015 Replacement Well Soil Samples: A total of six (6) soil samples were collected from two (2) monitoring well soil borings (MW-02R and MW-04R) for analysis of the NYSDEC s October 21, 2010, Final Commissioner Policy, CP-51 Soil Cleanup Guidance (CP-51) list of VOC and SVOCs and results were compared to CP-51 Soil Cleanup Levels (SCLs) criteria. Two (2) VOCs were reported above their respective NYSDEC SCLs in one (1) sample (MW-02R, 7.0 to 8.0 feet bgs). Total VOC concentrations ranged between below the laboratory reporting limit (i.e. nondetect [ND]) in the MW-04R sample from 14.0 to 15.0 feet bgs and 39,020 mg/kg in the MW-02R, 7.0 to 8.0 feet bgs sample. Seven (7) SVOCs were reported above their respective NYSDEC SCLs in one (1) sample (MW-02R, 6.0 to 7.0 feet bgs). Total SVOC concentrations ranged between ND in 2 samples (MW-02R, 14.0 to 15.0 feet bgs and MW-04R, 14.0 to 15.0 feet bgs) and 102,470 ?g/kg in the MW-02R, 6.0 to 7.0 feet bgs sample. Given the generally low concentrations in soil sample results, no additional soil sampling is warranted in relation to Spill No. 1305932 at this time. Summary: With few exceptions, recent (September 2013/2015) and historic (January 2008) soil sample results report CP-51 list VOCs and SVOCs at generally low (i.e. less than 25,000 ug/kg TVOCs and less than 50,000 ug/kg TSVOCs) concentrations. These SVOC concentrations are typical for urban fill. Based on January, May and September 2015 groundwater sample results, reported CP-51 list VOCs and SVOCs in Site soils do not appear to significantly affect groundwater dissolved phase concentrations. Based on the analysis and conclusions presented above, LiRo recommends the following: The following actions will be conducted as part of the routine monitoring program until proposals below are approved by the NYSDEC: -Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). -Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. -Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. Proposals The following proposals require NYSDEC approval: 1) Consolidate Spill Nos. 1305932 and 1109339 into one Spill No. (e.g. 1109339). AD 02/22/2016: In the recent report LiRo states that: Based on recent (September 2015) and historic soil sample results, VOCs are generally absent or at low concentrations (i.e. less than 25,000 ?g/kg total VOCs) in Site soils. Similarly, SVOCs are typically found at low concentrations (i.e. less than 50,000 ?g/kg total SVOCs) which is within the typical concentration range for urban soils. Based on January, May and September 2015 groundwater sample results, reported CP-51 list VOCs and SVOCs in Site soils do not contribute to groundwater dissolved phase contamination. Given the generally low concentrations in soil sample results, no additional soil sampling is warranted in relation to Spill No. 1305932 at this time. Taking into consideration most recent results of soil and groundwater investigation, DEC decided to consolidate Spill Nos. 1305932 and 1109339 into one Spill No. (e.g. 1109339). Spill No. 1305932 closed. AD 06/07/2016: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on June 7, 2016. A link to the website is included:

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https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report includes a proposal that requires your review and approval. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 07/20/2016: Reviewed the report. It states that for the reporting period, routine semi-annual groundwater gauging and Site-wide sampling was completed by LiRo on March 8, 2016. LiRo conducted groundwater gauging at accessible Site wells and collected Site-wide groundwater samples from ten (10) sampling locations listed in the SMP. Groundwater samples were submitted for CP-51 list VOCs and analytical results were compared to the NYSDEC AWQSGVs. The Site monitoring program (SMP) completed for the period of October 1, 2015 to March 31, 2016, included water level gauging from accessible Site wells and an EFR IRM at ten (10) locations (EW-02, EW-05, EW-08, EW-09, EW-11, EW-13 EW-14, MW-02R, MW-04R and MW-12). During the March 8, 2016, groundwater gauging event groundwater was observed between 3.51 and 5.17 feet bgs. Groundwater elevations ranged between -0.07 and 0.67 feet above mean sea level (AMSL). Free phase product was not observed during gauging. The interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.002 feet per foot (ft/ft). Groundwater Sampling March 2016: One or more CP-51 list VOCs were reported at concentrations above the NYSDEC AWQSGVs in one (1) (i.e. MW-02R) of ten (10) samples. The reported total VOCs ranged from non-detect [ND] in seven (7) locations (MW-04R, MW-05, MW-06, MW-08, MW-13, MW-17 and MW-18) to 46 micrograms per liter (?g/L) in monitoring well MW-02R. A review of total VOC concentration trends shows generally very low (i.e. less than 10 ?g/L) concentrations of dissolved phase VOCs in Site groundwater, with only one location (MW-02R) reporting VOCs at concentrations above their respective AWQSGVs. EFR: Between October 2015 and March 2016 twelve (12) EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 10,875 gallons of total fluids were removed from Site wells for the monitoring period. Overall, product thicknesses were within or below historic averages and with an overall monitoring period average of 0.01 feet. Based on the analysis and conclusions presented above, LiRo recommends the following: Actions - Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. The following proposal requires NYSDEC approval: - Reduce the frequency of groundwater sampling to annual while maintaining the frequency of routine reporting of the EFR IRM and Site monitoring at semi-annual. 08/02/2016: Received the following e-mail from Steve Frank: Hi Ainura, Please see the attached letter requesting a reduction in EFR frequency at Brooklyn East 13 and let us know if our proposal is OK with you. Thanks, Steve Frank Will review. AD 08/16/2016: Looked at the request. It states that

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recent groundwater gauging measurements have indicated a Site-wide reduction in the distribution, incidence and thickness of measurable product in Site wells. Based on this data, LiRo requests reducing the frequency of EFR at the New York City Department of Sanitation (DSNY) Brooklyn East 13 garage from bi-monthly (i.e. twice a month) to monthly. AD 08/17/2016: Sent an e-mail to S. Frank, approving the request. AD 12/30/2016: Received the following e-mail from LiRo; Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on December 30, 2016. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 01/25/2017: Reviewed the report. This report presents the results of free-phase product removal and monitoring at the site for the period of April to September 2016. On September 15, 2016, LiRo conducted groundwater gauging at accessible Site wells and collected sitewide groundwater samples from nine (9) sampling locations listed in the SMP. Groundwater samples were submitted for CP-51 list VOCs and analytical results were compared to the NYSDEC AWQSGVs. September 15, 2016, groundwater elevation measurements indicated that the interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.002 feet per foot (ft/ft). The groundwater flow direction is generally inconsistent with previous reports/observations, since the site is tidally influenced and flow directions have been variable. Tidal Influence Study: Between June 17, 2013, and June 27, 2013, LiRo conducted a tidal influence study at the Site. The study confirmed that Site monitoring wells are directly influenced by tidal fluctuations in direct proportion to the distance from Coney Island Creek (i.e. higher tidal efficiency in wells closer to the creek). Observed tidal influences ranged between 20.1% (MW-05) and 5.3% (MW-17). The Site monitoring program (SMP) completed for the period of April 1, 2016 to September 30, 2016, included water level gauging from accessible Site wells and an EFR IRM at nine (9) locations (EW-02,EW-05, EW-08, EW-09, EW-11, EW-13, EW-14, MW-02R and MW-12). MW-04R was reported destroyed during the September 15, 2016, groundwater sampling event. Due to the absence of reported product in MW-04/MW-04R between January 2014 and September 2016 and the absence of reportable VOCs in the March 2016 MW-04R groundwater sample, a replacement for MW-04R will not be proposed. GW data: One or more CP-51 list VOCs were reported at concentrations above the NYSDEC AWQSGVs in three (3) (i.e. MW-02R, MW-12 and MW-17) of nine (9) samples. The reported total VOCs ranged from ND in three wells (MW-08, MW-13 and MW-18) to 24 ug/L in well MW-12. A review of total VOCs trends show a continuation of generally very low (i.e. less than 25 ?g/L) concentrations of dissolved phase VOCs in site groundwater. Free-product observed in site wells is producing minimal impacts to the site groundwater. EFR: Between April 2016 and September 2016 ten EFR events were conducted at the site. Approximately 9,127 gallons of total fluids were removed from the

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wells for the monitoring period. Overall, product thicknesses were within or below historic averages and with an overall monitoring period average of less than 0.01 feet. Recent EFR events conducted after the end of this reporting period (i.e. October and November 2016) reported a spike in product thickness in MW-02R from a maximum of 0.22 feet and an average of 0.04 between September 2015 and September 2016 to a maximum of 1.65 feet on November 28, 2016, and an average of 1.07 feet between November 2016 and December 2016. Consequently, the frequency of EFR has been increased to a bi-monthly (i.e. twice a month) schedule. Based on the analysis and conclusions presented above, LiRo recommends the following: - Maintain schedule of bi-monthly (i.e. twice a month) site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 07/18/2017: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on July 18, 2017. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 08/02/2017: Reviewed the October 2016-March 2017 monitoring report. The Site monitoring program (SMP) completed for the period of October 1, 2016 to March 31, 2017, included water level gauging from accessible wells and an EFR IRM at nine locations (EW-02, EW-05, EW-08, EW-09, EW-11, EW-13, EW-14, MW-02R and MW-12). During the March 9, 2017, groundwater gauging event groundwater was observed between 5.70 and 8.51 feet bgs. The interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.002 feet per foot (ft/ft). The groundwater flow direction is generally inconsistent with previous reports/observations, likely due to the Site being tidally influenced. For the reporting period, routine semi-annual groundwater gauging and Site-wide sampling was completed by LiRo on March 9, 2017. One or more CP-51 list VOCs were reported at concentrations above the NYSDEC AWQSGVs in one (MW-06) of five (5) samples. The reported total VOCs ranged from ND in three (3) locations (MW-08, MW-17 and MW-18) to 45 ug/L in well MW-06. Groundwater Total VOC Trends A review of total VOC concentration trends show a continuation of generally very low (i.e. less than 50 ug/L) concentrations of dissolved phase VOCs in Site groundwater . Free-product observed in site wells is producing impacts to site groundwater. EFR: Between October 2016 and March 2017, 15 EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 9,058 gallons of total fluids were removed from site wells for the monitoring period and a total of approximately 106,650 gallon removed since the inception of EFR.

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Overall, a product thicknesses showed increases above historic averages with an overall monitoring period average of approximately 0.22 feet. EFR conducted during this reporting period reported multiple product thickness measurements in MW-02R with a maximum of 2.07 feet and a six month average of 1.09 feet. Consequently, the frequency of EFR has been changed from monthly to a bi-monthly (i.e. twice a month) schedule. Based on the analysis and conclusions presented above, LiRo recommends the following: - Install replacement monitoring well (MW-12R) for destroyed monitoring well MW-12. Due to the close proximity of former EW-13 and MW-12, former extraction well EW-13 will not be replaced. - Maintain schedule of bi-monthly site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 04/06/2018: Received The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for April 2017 to September 2017. Will review. AD 05/04/2018: Reviewed the report. It states that between April 2017 and September 2017, eleven (11) gauging and/or EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 495 gallons of total fluids were removed from Site wells for the monitoring period and a total of approx. 107,145 gallons removed since the inception of EFR. Overall, product thicknesses showed a decrease above historic averages with an overall monitoring period average of approximately 0.06 feet. No free product was measured in any of the accessible monitoring wells since May 5, 2017. The last EFR event was April 28, 2017. Accessible monitoring wells are gauged on a monthly basis. If measureable free product thickness returns then EFR will be performed on a twice-monthly basis. Soil: Based on recent (September 2015) and historic soil sample results, VOCs are generally absent or at low concentrations (i.e. less than 25,000 ug/kg total VOCs) in Site soils. Similarly, SVOCs are typically found at low concentrations (i.e. less than 50,000 ug/kg total SVOCs) which is within the typical concentration range for urban soils. Based on October 2016 to March 2017 groundwater sample results, reported CP-51 list VOCs and SVOCs in site soils do not contribute to groundwater dissolved phase contamination. Groundwater: The September 2017 sampling event reported generally low (less than 50 ug/L) to ND concentrations of TVOCs in all groundwater samples and a maximum TVOC concentrations of 41 ug/L, at monitoring well MW-18. The TVOC concentration was due to one VOC, Naphthalene is the highest TVOC concentration reported for this monitoring well. Additional sampling events are required to determine if this is an anomalous elevated reading or part of an increasing trend. Based on the analysis and conclusions presented above, LiRo recommends the following: Actions The following actions will be conducted as part of the routine monitoring program: - Install a replacement monitoring well (MW-13R) for the destroyed monitoring well MW-13. - Install replacement monitoring well (MW-12R) for destroyed monitoring well MW-12. Due to the close proximity of former EW-13 and MW-12, former extraction well EW-13 will not be replaced. - Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). -

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Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 08/22/2018: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on August 22, 2018. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v=8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 09/26/2018: Reviewed the semi-annual report for the period of October 2017 - March 2018. It states that LiRo performed EFR events on wells with LNAPL on December 12, 2017; January 3, 2018; January 26 2018; February 7, 2018 and March 14, 2018. Between January 2018 and February 2018, LiRo installed, surveyed and developed replacement well MW-12R. On March 7, 2018, LiRo sampled 8 site wells. The reported TVOCs in the wells ranged from ND to 72 ppb in well MW-02R. Free product thickness in the wells ranged from ND to 0.36' in well MW-14 and 0.95' in MW-02R. Free product observed in the site wells is producing low impacts on the GW quality. EFR: Seven gauging and/or EFR events were conducted for the reported period. Approximately 1,145 gallons of total fluids were removed from site wells during reported period. LiRo states that based on the GW data, site soils do not contribute to the GW dissolved contamination. Based on the analysis LiRo recommends the following: Actions The following actions will be conducted as part of the routine monitoring program: - Install a replacement monitoring well (MW-13R) for the destroyed monitoring well MW-13. - Maintain schedule of bi-monthly (i.e. twice a month) site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 01/04/2019: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on January 4, 2019. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v=8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New

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York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 02/11/2019: Reviewed the report. It states that for the monitoring period: (April 2018 to September 2018) the Site monitoring program (SMP) included water level gauging from accessible wells and EFR at six (6) locations (MW-12R, MW-14, EW-05, EW-04, EW-11, and MW-02R) if product was present. GW sampling: For the reporting period, LiRo completed routine semi-annual groundwater gauging and Site-wide sampling on August 29, 2018. During the August 29, 2018, groundwater gauging event groundwater was observed between 6.22 and 7.70 feet bgs. Groundwater elevations ranged between -0.92 and -2.83 feet above mean sea level (AMSL). GW data: Groundwater The August 2018 sampling event reported no CP-51 VOCs above AWQSGVs. The maximum TVOC concentration of 13 ?g/L, was reported at monitoring well MW-02R. Well MW-02R typically contains free-product. EFR: Between April 2018 and September 2018, 10 gauging/EFR events were conducted on the wells. Approximately 1,312-gallons of total fluids were removed from Site wells for the monitoring period and a total of approximately 109,602-gallons removed since the inception of EFR. Averall, product thicknesses lowered since the previous monitoring period with an overall monitoring period average of approximately 0.0084 feet. Accessible monitoring wells are gauged on a monthly basis. If measureable free product is present, then EFR is performed on a routine basis, depending on product levels. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: Actions The following actions will be conducted as part of the routine monitoring program: - Install a replacement well (MW-13R) for the destroyed monitoring well MW-13 (Proposed for the April 2018 to September 2018 monitoring period but was unable to be installed due to construction work in the vicinity of the replacement well location).:\\- Maintain schedule of bi-monthly (i.e. twice a month) to monthly Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 06/25/2019: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on June 25, 2019. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report includes a proposal which requires your review and approval. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 07/01/2019: Reviewed the report. It states that the site monitoring program (SMP) completed for the period of October 2018 to March 2019, included water level gauging from accessible Site wells and monthly EFR at three (3) locations (EW-05, MW-02R, and MW-12R). LiRo performed groundwater gauging and

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EFR on wells with free-product on October 22, 2018, November 12, 2018, January 11, 2019, February 6, 2019, February 27, 2019, and March 18, 2019. On March 5, 2019, LiRo conducted groundwater gauging at accessible wells and collected samples from seven of eight site wells. Groundwater samples were submitted for CP-51 list VOCs and analytical results were compared to the NYSDEC AWQSGVs. No sample was collected from well MW-12R due to the presence of free-phase product. Of the seven groundwater samples collected, only well MW-02R reported VOCs at concentrations above AWQSGVs. Well MW-02R reported three CP-51 list VOCs (Isopropylbenzene, n-Propylbenzene, and sec-Butylbenzene) at concentrations above their respective guidance values. The TVOCs for well MW-02R was reported at 43 ug/L. Hydrogeology: During the March 4, 2019, groundwater gauging event, groundwater was observed between 6.18 and 7.81 feet bgs. Groundwater elevations ranged between -1.67 and -2.84 feet above mean sea level (AMSL). The March 4, 2019, groundwater elevation measurements are presented in Table 3 and a groundwater contour map is presented in Figure 5. The interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.01 feet per foot (ft/ft) as measured from MW-14 to MW-12R. The groundwater flow direction is generally consistent with the historical groundwater flow direction. However, groundwater flow may vary due to the tidal influence on groundwater elevations as described below. Groundwater TVOC Trends: A review of TVOC concentration trends show a continuation of generally very low (i.e. less than 75 ug/L) concentrations of dissolved phase TVOCs in Site groundwater. Of the seven wells sampled in March 2019, five (5) reported an increase, one (1) reported a decrease and one (1) reported no change in TVOCs when compared to the August 2018 TVOCs. Summary: EFR Between October 2018 and March 2019, six (6) gauging/EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in site wells. Approximately 1,824- gallons of total fluids were removed from wells for the monitoring period and a total of approximately 111,426-gallons removed since the inception of EFR. Overall, product thicknesses increased slightly since the previous monitoring period with an overall monitoring period average of approximately 0.03 feet, with highest thickness of 0.17’ in MW-12R. Accessible monitoring wells are gauged on a monthly basis. If measureable free product is present, then EFR is performed on a routine basis, depending on product levels. Free-phase product at this Site historically has shown significant oscillations in thicknesses. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: - Install a replacement monitoring well (MW-13R) for the destroyed monitoring well MW-13 (Proposed for the April 2018 to September 2018 monitoring period but was unable to be installed due to construction work in the vicinity of the replacement well location). - Maintain schedule of bi-monthly (i.e. twice a month) to monthly product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. The following proposal requires NYSDEC approval: - Based on the continuing low levels of TVOCs in groundwater (less than 75 ug/L) since at least 2016, LiRo recommends a reduction in the frequency of groundwater sampling to annual while

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maintaining the frequency of routine reporting at semi-annual. AD 07/02/2019: Sent the following e-mail to Mr. Aliberi of DDC: Dear Mr. Aliberti: The Department has reviewed the Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report , dated June 25, 2019 pertaining to the above-referenced site, submitted by LiRo, Engineers, Inc. (LiRo). The report states that site-wide groundwater sampling indicate minimal impact to groundwater. Based on the continuing low levels of TVOC concentrations in groundwater (less than 75 ug/L) since at last 2016, LiRo recommends a reduction in the frequency of groundwater sampling to annual while maintaining the frequency of routine reporting at semi-annual. The Department approves these recommendations. Feel free to contact me if you have any questions or comments. Sincerely, Ainura Doronova - Environmental Engineer AD 01/20/2020: Received the following email from LiRo: Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on January 20, 2020. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report includes a proposal which requires your review and approval. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 02/18/2020: Reviewed the SAMR for April 2019 to September 2019 time period . It states that the Site monitoring program (SMP) completed for the period of April 2019 to September 2019, included water level gauging from accessible site wells and monthly EFR at three to four locations (EW-02 (once) EW-05, MW-02R, and MW-12R)). The SMP for the upcoming period of October 2019 to March 2020, includes semi-annual water level gauging from accessible Site wells; groundwater sampling with laboratory analysis at eight locations: MW-02R, MW-05, MW-06, MW-08, MW-12R, MW-14, MW-17, and MW-18. EFR: Between April 2019 and September 2019, eight gauging/EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 2,824- gallons of total fluids were removed from Site wells for the monitoring period and a total of approximately 114,250-gallons removed since the inception of EFR. Overall, product thicknesses remained fairly low (less than 0.25 feet) during this monitoring period. Accessible monitoring wells are gauged on a monthly basis. If measureable free product is present, then EFR is performed on a routine basis, depending on product levels. GW sampling results: None of the seven groundwater samples collected in July 2019, reported any VOCs at concentrations above AWQSGVs. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: The following actions will be conducted as part of the routine monitoring program: - Install a replacement monitoring well (MW-13R) for the destroyed monitoring well MW-13 (Previously proposed however installation was delayed due to construction work in the vicinity of replacement well locations). This replacement well was subsequently installed in October 2019 and will be discussed in the next monitoring report. - Based on current product levels, the schedule for monitoring and EFR events will be

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reduced from bi-monthly (i.e. twice a month) to once a month. If product levels show an increase, the frequency will be increased to twice a month. - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. The following proposal requires NYSDEC approval: - Based on the continuing low levels of TVOC concentrations in groundwater (less than 75 ug/L) since at least 2016, LiRo recommends a reduction in the frequency of groundwater sampling to annual while maintaining the frequency of routine reporting at semi-annual. This proposal was already approved by DEC in July 2019. AD 07/31/2020: Received the following email from LiRo: Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on July 31, 2020. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. Please note, that in light of the current circumstances, until further notice, no hard copies will be mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Integrated Construction, Design, and Technology Solutions 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 09/02/2020: Reviewed the semi-annual report for October 2019 to March 2020. It states that the site monitoring program (SMP) completed for the period of October 1, 2019, to March 31, 2020, included quarterly groundwater sampling , monthly water level gauging from accessible Site wells and monthly EFR at three to four locations: EW-02 (single event) EW-05, MW-02R, and MW-12R. For the current monitoring period (i.e. October 2019 to March 2020), approximately 1,294-gallons of total fluids were removed from Site wells by EFR. The MW-02R free-product average thickness (less than 0.01 feet) for this monitoring period is a decrease from the most previous monitoring period April 2019 to September 2019 average (0.02 feet). The EW-02 free product average thickness (0.10 feet) for this monitoring period is an increase from the previous monitoring period April 2019 to September 2019 average (0.03 feet). The MW-12R free-product average thickness (0.29 feet) for this monitoring period showed an increase from the most recent previous monitoring period average (0.21 feet). GW sampling: For the reporting period, LiRo completed routine quarterly groundwater gauging on November 18, 2019, and March 30, 2020. Quarterly groundwater sampling was conducted on November 18, 2019, and March 3, 2020. All groundwater samples were submitted for analysis of NYSDEC CP-51 list VOCs via United States Environmental Protection Agency (USEPA) Method 8260. Prior to sampling, wells were purged of at least three well volumes. Hydrogeology: During the November 18, 2019, groundwater gauging event, groundwater was observed between 6.15 and 7.72 feet bgs. Groundwater elevations ranged between -1.66 and -2.71 feet above mean sea level (AMSL). The interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.069 feet per foot (ft/ft) as measured from MW-14 to MW-12R. The groundwater flow direction is generally consistent with the historical groundwater flow direction.

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However, groundwater flow may vary due to the tidal influence on groundwater elevations as described below. During the March 30, 2020, groundwater gauging event, groundwater was observed between 5.68 and 7.63 feet bgs. Groundwater elevations ranged between -1.43 and -2.97 feet above mean sea level (AMSL). Groundwater Sampling November 2019: One or more CP-51 VOCs were reported above NYSDEC AWQSGVs in two (i.e. MW-06 and MW-12R) of nine groundwater samples collected. Total VOC concentrations range between below the laboratory reporting limit (i.e. non-detect [ND]) in four samples (i.e. MW-08, MW-13R, MW-14 and MW-18) to 73 ug/L (MW-12R). Groundwater Sampling March 2020: Of the eight groundwater samples collected, none reported VOCs at concentrations above AWQSGVs. Total VOC concentrations range between ND in four samples (i.e. MW-08, MW-13R, MW-17 and MW-18) to 3 ?g/L (MW-02R). A sample was not collected from well MW-12R due to the presence of free-phase product. Groundwater Total VOC Trends A review of TVOCs trends show a continuation of generally very low (i.e. less than 75 ?g/L) concentrations of dissolved phase TVOCs in site groundwater. EFR: Between October 2019 and March 2020, five gauging/EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 1,294-gallons of total fluids were removed from Site wells for the monitoring period and a total of approximately 115,544-gallons removed since the inception of EFR. Product thicknesses remained fairly low (less than 0.25 feet) during this monitoring period but showed a slight overall increase in average thickness from the previous monitoring period. Accessible monitoring wells are gauged on a monthly basis. If measureable free product is present, then EFR is performed on a routine basis, depending on product levels. Free-phase product at this Site historically has shown significant oscillations in thicknesses. Groundwater Two of the nine groundwater samples (MW-06 and MW-12R) collected in November 2019, reported CP- 51 list VOCs at concentrations above AWQSGVs. The highest total VOC concentration reported was 73 ug/L (MW-12R). None of the eight groundwater samples collected in March 2020, reported any VOCs at concentrations above AWQSGVs. The highest total VOC concentration reported was 3 ug/L (MW-02R). Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals in this report. AD 01/21/2021: Received the following email from LiRo; Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on January 21, 2021. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. Please note, that in light of the current circumstances, until further notice, no hard copies will be mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Integrated Construction, Design, and Technology Solutions 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Uploaded the file.

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Will review. AD 02/22/2021: Reviewed the report. It states that the Site monitoring program (SMP) completed for the period of April 1, 2020 to September 30, 2020, includes annual groundwater sampling, supplemental monthly water level gauging from accessible site wells and monthly EFR at one to two locations: EW-05 (single event) and MW-12R. The SMP for the upcoming period of October 1, 2020 to March 31, 2021, includes annual water level gauging from accessible Site wells; annual groundwater sampling with laboratory analysis at nine locations: MW-02R, MW-05, MW-06, MW-08, MW-12R, MW-13R, MW-14, MW-17, and MW-18, supplemental monthly groundwater gauging to monitor for free-product, quarterly EFR at wells containing measurable free-product and monthly product removal via peristaltic pump at EW-05, MW-02R, and MW-12R and from any locations with measurable product. For the current monitoring period 4 EFR events were conducted via vacuum truck and two product removal events via peristaltic pumping were conducted. Approximately 817-gallons of total fluids were removed from wells by EFR and peristaltic pumping. During this monitoring period, the NYCDDC notified LiRo that due to the COVID-19 pandemic, the current fiscal year budget for the period of July 2020 through June 2021 would be reduced. As a result, LiRo reduced the frequency of EFR (via vacuum truck) and supplemented product removal with LiRo personnel with a peristaltic pump. The frequency of EFR for the remainder of the fiscal year will be quarterly with LiRo personnel conducting product removal monthly. Supplemental groundwater gauging events were completed to monitor for free-product. A total of five supplemental gauging events were completed during this monitoring period. Free product: For this monitoring period (April 2020 through September 2020), free-product thicknesses have been variable and have ranged from 0.01 feet) represents a slight increase from the previous monitoring period of 0.00 feet. The MW-12R free-product average thickness (0.34 feet) for this monitoring period showed an increase from the previous monitoring period average (0.29 feet). GW sampling: Annual groundwater sampling was conducted at the site on July 20-21, 2020. All groundwater samples were submitted for analysis of NYSDEC CP-51 list VOCs via United States Environmental Protection Agency (USEPA) Method 8260. During the July 20, 2020, groundwater gauging event, groundwater was observed between 5.97 and 7.48 feet bgs. Groundwater elevations ranged between -1.40 and -3.02 feet above mean sea level (AMSL). The interpreted general flow direction is towards the north/northwest with a hydraulic gradient of approximately 0.011 feet per foot (ft/ft) as measured from EW-15 to EW-02. No CP-51 VOCs were reported above NYSDEC AWQSGVs in any of the eight groundwater samples collected. Total VOCs range between ND in three samples (i.e. MW-08, MW-13R and MW-18) to 4 ug/L (MW-02R). Groundwater Total VOC Trends A review of TVOCs trends show a continuation of generally very low (i.e. less than 75 ug/L) concentrations of dissolved phase TVOCs in site groundwater. During this monitoring period, the highest total VOCs was 4 ug/L. Based on October 2018 through July 2020 groundwater sample results, reported CP-51 list VOCs and SVOCs in Site soils do not contribute to groundwater dissolved phase contamination. LiRo recommends that the following actions will be conducted as part of the routine monitoring program: - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. - Continue to remove

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

free-product through a combination of EFR and Peristaltic Pump. - Continue supplemental monthly gauging of Site wells to monitor for the presence of free-product. Proposals There are no new proposals in this report. AD 06/25/2021: Received the following email from LiRo: Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on June 25, 2021. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. Please note that unless requested, no hard copies will be mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Integrated Construction, Design, and Technology Solutions 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 07/15/2021: Reviewed the report. The site monitoring program (SMP) completed for the period of October 1, 2020 to March 31, 2021, included monthly water level gauging from accessible Site wells and Quarterly EFR and monthly manual (i.e. using a peristaltic pump) product removals at MW-02R, MW-12R, and EW-05. Annual groundwater sampling was completed in the previous monitoring/reporting period in July 2020. For the reporting period, LiRo completed nine rounds of groundwater gauging. Annual groundwater sampling was conducted on July 20-21, 2020, during the previous semi-annual monitoring period. No new groundwater samples were collected during this monitoring period. For the December 29, 2020, groundwater gauging event, groundwater was observed between 5.95 and 7.50 feet bgs. Groundwater elevations ranged between -1.48 and -2.64 feet above mean sea level (AMSL). The interpreted general flow direction is towards the north/northwest. Groundwater Total VOC Trends: A review of TVOC concentration trends show a continuation of generally very low (i.e. less than 75 ug/L) concentrations of dissolved phase TVOCs in Site groundwater. During the previous monitoring period, the highest total VOC concentration was 4 ug/L. EFR/Free-Product Removal: Between October 2020 and March 2021, four product removal events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Product removal efforts consisted of a combination of EFR (via vacuum truck) and product removal via peristaltic pumping. Approximately 160-gallons of total fluids were removed from Site wells for the monitoring period and a total of approximately 116,521-gallons removed since the inception of EFR. Only one well (MW-12R) consistently contained measurable free-product. The average product thickness in MW-12R for the monitoring period was 0.45 feet. Accessible monitoring wells are gauged on a monthly basis. Free-phase product at this Site historically has shown significant oscillations in thicknesses. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: The following actions will be conducted as part of the routine monitoring program: - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. - Continue to remove free-product through a combination of EFR and Peristaltic Pump. - Continue supplemental

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

monthly gauging of Site wells to monitor for the presence of free-product. There are no new proposals in this report. AD 12/27/20221: Received the following email from LiRo: Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on December 27, 2021. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. Please note that unless requested, no hard copies will be mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Integrated Construction, Design, and Technology Solutions 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 01/27/2022: Reviewed the report. It states that the site monitoring program (SMP) completed for the period of April 1, 2021, to September 30, 2021, included monthly water level gauging from accessible Site wells and Quarterly EFR and monthly manual (i.e. using a peristaltic pump) product removals at MW-02R, MW-12R, and EW-05. Annual groundwater sampling was completed in the previous monitoring/reporting period in July 2021. The SMP for the upcoming period of October 1, 2021 to March 31, 2022, includes annual water level gauging from accessible site wells; annual groundwater sampling with laboratory analysis at nine locations: MW-02R, MW-05, MW-06, MW-08, MW-12R, MW-13R, MW-14, MW-17, and MW-18, supplemental monthly groundwater gauging to monitor for free-product, quarterly EFR at wells containing measurable free-product and monthly product removal via peristaltic pump at EW-05, MW-02R, and MW-12R and from any locations with measurable product. LiRo performed supplemental groundwater gauging, product removal and/or EFR on wells with free product on April 14, 2021; April 27, 2021; May 6, 2021; May 25, 2021; June 4, 2021; July 9, 2021; July 16, 2021; July 29, 2021; August 3, 2021; August 10, 2021; and September 1, 2021. Annual groundwater sampling was conducted on July 29 and 30, 2021, during the monitoring period. Groundwater Sampling July 2021 There were no CP-51 VOCs reported above NYSDEC AWQSGVs in any of the seven groundwater samples collected. July 2021 Total VOCs range between below the laboratory reporting limit (i.e. non-detect [ND]) in two samples (i.e. MW-08 and MW-13R) to 4 ug/L (MW-02R). A review of TVOCs trends show a continuation of generally very low (i.e. <10 ug/L) concentrations of dissolved phase TVOCs in Site groundwater. During the previous monitoring period, the highest total VOCs was 4 ug/L. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: Actions The following actions will be conducted as part of the routine monitoring program: - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. - Continue to remove free-product through a combination of EFR and Peristaltic Pump. - Continue supplemental monthly gauging of Site wells to monitor for the presence of free-product. Proposals There are no new proposals in this report. AD"

Remarks: ""

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

All Materials:

Site ID:	457108
Operable Unit ID:	1207236
Operable Unit:	01
Material ID:	2204472
Material Code:	9999
Material Name:	other - UNKNOWN
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

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222 **NYNEX** **NY LTANKS** **S104073402**
ENE **1919 NEPTUNE AVE** **NY Spills** **N/A**
1/4-1/2 **BROOKLYN, NY 11224** **NY MANIFEST**
0.429 mi.
2266 ft.

Relative:
Lower

Actual:
0 ft.

LTANKS:

Name:	NYNEX
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9514154 / 1996-02-06
Facility ID:	9514154
Site ID:	271621
Spill Date:	1996-02-06
Spill Cause:	Tank Overfill
Spill Source:	Commercial Vehicle
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	1996-02-06
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1996-02-06
Spill Record Last Update:	1996-02-26
Spiller Name:	Not reported
Spiller Company:	NYNEX
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	VIC CHARCHAN
Spiller Phone:	(718) 946-9933
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	157520
DEC Memo:	""

NYNEX (Continued) **S104073402**

Remarks: "caller reports driver walked away from vehicle causing overfill spill has been contained and cleaned up"

All Materials:

Site ID:	271621
Operable Unit ID:	1028685
Operable Unit:	01
Material ID:	354292
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	30.00
Oxygenate:	Not reported

SPILLS:

Name:	VERIZON FACILITY
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0105607 / 2002-09-10
Facility ID:	0105607
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254566
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-08-24
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	2001-08-24
CID:	390
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-08-24
Spill Record Last Update:	2002-09-10
Spiller Name:	JOHN QUATRALE
Spiller Company:	VERIZON FACILITY /
Spiller Address:	1919 NEPTUNE AVE
Spiller Company:	001
Contact Name:	JOHN QUATRALE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE see also 0104497. hydraulic lifts removed. soil conmtamination encountered (60 tons removed) but soil removal was halted due to frequent collapsing of the sidewalls of the excavation. This could have undermined a load bearing wall. a groundwater sample was

NYNEX (Continued) **S104073402**

collected that did not show contamination. see file."
Remarks: "hydraulic lift failure - clean up in progress"

All Materials:
Site ID: 254566
Operable Unit ID: 842506
Operable Unit: 01
Material ID: 534064
Material Code: 0010
Material Name: hydraulic oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: NYNEX
Address: 1919 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9516041 / 1996-03-14
Facility ID: 9516041
Facility Type: ER
DER Facility ID: 157520
Site ID: 254567
DEC Region: 2
Spill Cause: Equipment Failure
Spill Class: C3
SWIS: 2401
Spill Date: 1996-03-14
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 1996-03-14
CID: 351
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1996-03-14
Spill Record Last Update: 1996-03-29
Spiller Name: RENEE HOFFTEAD
Spiller Company: NYNEX
Spiller Address: 1919 NEPTUNE AVE
Spiller Company: 001
Contact Name: RENEE HOFFTEAD
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was KRIMGOLD "
Remarks: "hydrolic line failed on a vehicle spilling material"

All Materials:
Site ID: 254567
Operable Unit ID: 1027014

NYNEX (Continued) **S104073402**

Operable Unit:	01
Material ID:	352585
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	5.00
Oxygenate:	Not reported

Name:	NYNEX
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9701220 / 1997-04-28
Facility ID:	9701220
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254568
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1997-04-25
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	1997-04-28
CID:	351
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-04-28
Spill Record Last Update:	1997-04-30
Spiller Name:	Not reported
Spiller Company:	NYNEX
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	LORRETTA D'ANGELO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE "
Remarks:	"HYDROLIC LINE ON TRUCK BROKE - SPILLED ON CONCRETE - CALLER IS THE CLEAN UP COMPANY FOR NYNEX"

All Materials:

Site ID:	254568
Operable Unit ID:	1047277
Operable Unit:	01
Material ID:	337778
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported

NYNEX (Continued) **S104073402**

Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	1919 NEPTUNE AVE
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9705694 / 1997-08-11
Facility ID:	9705694
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254569
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1997-08-06
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	1997-08-11
CID:	351
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-08-11
Spill Record Last Update:	1997-08-12
Spiller Name:	MARK CODMAR
Spiller Company:	NYNEX
Spiller Address:	1919 NEPTUNE AVE
Spiller Company:	001
Contact Name:	MARK CODMAR
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MARTINKAT CALLED LORETTA- CLEANED LAST WEEK."
Remarks:	"A LINE ON A TRUCK BROKE"

All Materials:

Site ID:	254569
Operable Unit ID:	1049052
Operable Unit:	01
Material ID:	331323
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NYNEX (Continued) **S104073402**

Name:	VERIZON GARAGE
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0103182 / 2001-06-22
Facility ID:	0103182
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254564
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-06-22
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	2001-06-22
CID:	281
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-06-22
Spill Record Last Update:	2001-06-22
Spiller Name:	JOHN QUATRALE
Spiller Company:	VERIZON
Spiller Address:	221 EAST 37TH ST
Spiller Company:	001
Contact Name:	JOHN QUATRALE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE 06/22/2001 SPILL OCCURED IN A THE GARAGE, NO DRAINS IMPACTED. MILRO DID CLEANUP"
Remarks:	"HYDRAULIC LINE FAILURE ON VEHICLE AT ABOVE LOCATION. ALL MATERIAL SPILLED TO PAVEMENT AND REPORTED RECOVERED. REPAIRS TO VEHICLE TO BE MADE."

All Materials:

Site ID:	254564
Operable Unit ID:	841887
Operable Unit:	01
Material ID:	535274
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	20.00
Oxygenate:	Not reported

Name:	VERIZON GARAGE
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY

NYNEX (Continued) **S104073402**

Spill Number/Closed Date:	0104497 / 2002-06-25
Facility ID:	0104497
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254565
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	2401
Spill Date:	2001-07-26
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	2001-07-26
CID:	282
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-07-26
Spill Record Last Update:	2002-06-25
Spiller Name:	SAME
Spiller Company:	VERIZON
Spiller Address:	1919 NEPTUNE
Spiller Company:	001
Contact Name:	JOHN QUATRALE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE REFER TO 0105607"
Remarks:	"anhydraulic lift system failed.during removal of lift contamianted soil discovered.removal in progress."

All Materials:

Site ID:	254565
Operable Unit ID:	841234
Operable Unit:	01
Material ID:	532988
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	BELL ATLANTIC
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9210546 / 2000-04-28
Facility ID:	9210546
Facility Type:	ER
DER Facility ID:	157520
Site ID:	188612

NYNEX (Continued) **S104073402**

DEC Region:	2
Spill Cause:	Unknown
Spill Class:	D4
SWIS:	2401
Spill Date:	1992-12-14
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	1992-12-14
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-12-14
Spill Record Last Update:	2000-05-01
Spiller Name:	Not reported
Spiller Company:	BELL ATLANTIC
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE 02/18/94: 2/18/94 PASSED ONTO M.TIBBE. SEE FILE "
Remarks:	""

All Materials:

Site ID:	188612
Operable Unit ID:	974801
Operable Unit:	01
Material ID:	404005
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	NYNEX
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9700308 / 1997-04-07
Facility ID:	9700308
Facility Type:	ER
DER Facility ID:	157520
Site ID:	188613
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1997-04-07
Investigator:	SMMARTIN

NYNEX (Continued) **S104073402**

Referred To:	Not reported
Reported to Dept:	1997-04-07
CID:	266
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-04-07
Spill Record Last Update:	1997-04-08
Spiller Name:	ANTHONY MENDITTO
Spiller Company:	NYNEX
Spiller Address:	292 NEPTUNE AVENUE
Spiller Company:	001
Contact Name:	ANTHONY MENDITTO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MARTINKAT "
Remarks:	"BROKEN HYDRAULIC LINE ON NYNEX TRUCK. ONTO CONCRETE GARAGE FLOOR. PERSONNEL ENROUTE TO SCENE FOR CLEAN UP."

All Materials:

Site ID:	188613
Operable Unit ID:	1043107
Operable Unit:	01
Material ID:	336926
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	20.00
Oxygenate:	Not reported

Name:	VERIZON WORK CENTER
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0510740 / 2006-03-14
Facility ID:	0510740
Facility Type:	ER
DER Facility ID:	157520
Site ID:	356773
DEC Region:	2
Spill Cause:	Other
Spill Class:	C4
SWIS:	2401
Spill Date:	2005-12-14
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	2005-12-14
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other

NYNEX (Continued) **S104073402**

Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-12-14
Spill Record Last Update:	2006-03-14
Spiller Name:	JOHN QUATRALE
Spiller Company:	VERIZON WORK CENTER
Spiller Address:	1919 NEPTUNE AVE
Spiller Company:	001
Contact Name:	JOHN QUATRALE
DEC Memo:	"December 23, 2005 A Contaminated Soil Letter was sent to: (Verizon Environmental Affairs Verizon New York 221 East 37th St,- 4th Flr New York, NY 10016) 12/29/05 - Raphael Ketani. I left a message for John Quatrale of Verizon ((516) 292-8166; cell (917) 846-4423) to call me regarding the spill site. 1/5/06 - Raphael Ketani. I spoke to Mr. Quatrale. He said that this was a tank removal project. He said the tanks have been removed and a revised PBS application was submitted to Nick Lombardo of PBS. He said that 300 cu. yds. of soil (375 tons)has been dug out and is presently stockpiled awaiting containerization and carting. The work was completed on 12/14. He added that groundwater is impacted and that they will put in wells. Mr. Quatrale said that Joe Sun of DEC Region 2 is the case manager for a number of Verizon sites. A report will be sent to Spills and to Mr. Sun once the analytical is received and all other work regarding the site is completed. 1/26/06 - Raphael Ketani. I spoke to Mr. Quatrale. He said that he was putting many Verizon site reports together. He said that this site's report was partially done. He said he was waiting for the soil and water analyticals. 2/16/06 - Raphael Ketani. I presented the Spill Report to Randall Austin, Chief Spills Engineer of Region 2, and explained that this case was dealing with groundwater contamination and that Mr. Sun of Region 2 Remediation was already dealing with this case. Mr. Austin transfered the case to Koon Tang of Remediation. 3/16/06 - reviewed the closure report from Verizon. Verizon hired ENvirotrac to remove a 4000-gallon diesel UST and found some contaminated soil. 375 tons of petroleum impacted soil was excavated and disposed of properly. End-point soil samples have no VOCs detected, only SVOCs were detected above the TAGM 4046, but consistent with urban backfill. GW sample taken at the bottom of the tank excavation shows all ND, except for a hit of MTBE at about 50 ppb. No sign of significant environmental impact. Spill closed. - KST "
Remarks:	"SUB SURFACE CONTAMINATION:"

All Materials:

Site ID:	356773
Operable Unit ID:	1114069
Operable Unit:	01
Material ID:	2104150
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G

NYNEX (Continued) **S104073402**

Recovered: .00
Oxygenate: Not reported

NY MANIFEST:
Name: NYNEX
Address: 1919 NEPTUNE AVE
City,State,Zip: BROOKLYN, NY 11224-2519
Country: USA
EPA ID: NYD987030459
Facility Status: Not reported
Location Address 1: NEPTUNE & STILLWELL AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD987030459
Mailing Name: NYNEX
Mailing Contact: J MCCUE
Mailing Address 1: 1095 AVE OF AMER-RM 1509
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10036
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2123956040

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223 **APT HOUSES** **NY LTANKS** **S103478188**
NW **2675 WEST 36TH ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.432 mi.
2281 ft.

Relative:
Higher

Actual:
5 ft.

LTANKS:
Name: CLOSED-LACKOF RECENT INFO
Address: 2675 WEST 36TH ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 8904981 / 2003-03-06
Facility ID: 8904981
Site ID: 185875
Spill Date: 1989-08-18
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: ADMIN. CLOSED
Referred To: Not reported
Reported to Dept: 1989-08-18
CID: Not reported
Water Affected: Not reported

APT HOUSES (Continued) **S103478188**

Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1989-08-28
Spill Record Last Update:	2006-06-15
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	259595
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ADMIN.CLOSED 03/06/2003- Closed Due To The Nature / Extent Of The Spill Report"
Remarks:	"15K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENTS."

All TTF:

Facility ID:	8904981
Spill Number:	8904981
Spill Tank Test:	1535880
Site ID:	185875
Tank Number:	Not reported
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	185875
Operable Unit ID:	932742
Operable Unit:	01
Material ID:	445418
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

APT HOUSES (Continued) **S103478188**

Name:	APT HOUSES
Address:	2675 WEST 36TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9805170 / 2003-12-01
Facility ID:	9805170
Site ID:	322247
Spill Date:	1998-07-24
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	1998-07-25
CID:	257
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-07-25
Spill Record Last Update:	2003-12-01
Spiller Name:	SAM REIBER
Spiller Company:	APT HOUSES
Spiller Address:	2675 WEST 36TH ST
Spiller County:	001
Spiller Contact:	SAM REIBER
Spiller Phone:	(718) 332-0777
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	259595
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was AUSTIN 12/1/03 - AUSTIN - ACCORDING TO 11/26/03 E-MAIL FROM KEVIN HALE, THE TANK WAS REAIRED AND INSPECTED - HE RECOMMENDS CLOSURE OF THIS REPORT - CLOSED IN DATABASE - END"
Remarks:	"will uncover and retest"

All Materials:

Site ID:	322247
Operable Unit ID:	1063037
Operable Unit:	01
Material ID:	319922
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

224
East
1/4-1/2
0.462 mi.
2441 ft.

DIME SAVINGS BANK
2909 WEST 17TH ST
CONEY ISLAND, NY

NY LTANKS **S103478149**
N/A

Relative:
Higher

Actual:
5 ft.

LTANKS:

Name:	DIME SAVINGS BANK
Address:	2909 WEST 17TH ST
City,State,Zip:	CONEY ISLAND, NY
Spill Number/Closed Date:	9804188 / 2005-07-19
Facility ID:	9804188
Site ID:	65760
Spill Date:	1998-07-02
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	NEPUTNAM
Referred To:	Not reported
Reported to Dept:	1998-07-02
CID:	281
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-07-02
Spill Record Last Update:	2005-07-19
Spiller Name:	HARISH RAJSAKHA
Spiller Company:	DIME SAVINGS BANK
Spiller Address:	2909 WEST 17TH ST
Spiller County:	001
Spiller Contact:	HARISH RAJSAKHA
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	63064
DEC Memo:	"7/8/05 - Nathan - File review RI report (revised 6/15/99) Tank failure traced to vent pipe hole. The soil from the vent pipe area was inspected,visually and with PID, and showed no contamination. Vent pipe was replaced. Spill Closed."
Remarks:	"GROSS TANK TEST FAILURE AT ABOVE LOCATION. CONTRACTOR ADVISED OF PROBLEM UNKNOWN WHAT ACTION IS BEING TAKEN TO CORRECT PROBLEM."

All TTF:

Facility ID:	9804188
Spill Number:	9804188
Spill Tank Test:	1546053
Site ID:	65760
Tank Number:	1
Tank Size:	5000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported

DIME SAVINGS BANK (Continued) **S103478149**

Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 65760
Operable Unit ID: 1065049
Operable Unit: 01
Material ID: 318903
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

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225 East 1/4-1/2 0.480 mi. 2532 ft.

LOT 28,TAXBLOCK 7062
1607 SURF AVENUE
BROOKLYN, NY 11224

NY BROWNFIELDS **S109942403**
NY E DESIGNATION **N/A**
NY SPDES

Relative: Higher

Actual: 7 ft.

BROWNFIELDS:
Name: 1607 SURF AVENUE
Address: 1607 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Program: BCP
Site Code: 606579
Acres: 1.360
HW Code: C224313
SWIS: 2401
Town: New York City
Record Added Date: 06/16/2020
Record Updated Date: 08/03/2021
Update By: HMDUDEK
Site Description: "Site Location: The 1.36-acre site is located at 1607 Surf Avenue, in the Coney Island section of Brooklyn. The site occupies Tax Block 7062 Lot 28. The site is bounded to the south by Surf Avenue, followed by MCU Park; to the east by West 16th Street, followed by a vacant lot and several parking lots; to the west by West 17th Street, followed by an office building and parking lot; and to the north by a parking lot. Site Features: The site is a vacant asphalt paved lot. Current Zoning and Land Use: The site is located within the Special Coney Island District (CI). The site is zoned for medium density residential use (R7X) with a commercial overlay (C2-4). The site is currently vacant. Past Use of the Site: By the late 1800s, residential dwellings, a shed, and a store existed on-site. By 1906, the site had been redeveloped with an auditorium, stores and sheds. By 1930, the site was occupied by a theater, storefronts, and an automobile repair facility on the eastern part of the property. On-site businesses include a photo studio (1934-1970), a printing

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

studio (1934-1970), an exterminator (1934-1945), and a machinist/machine works (1928-1970). Since 2001, the site has been a parking lot. Site Geology and Hydrogeology: The site is underlain with historic fill ranging from 2 and 10 feet below ground surface (bgs). Fill material is underlain by a native tan or gray, fine-grained sand layer with varying amounts of gravel, silt, and clay. The deepest soil borings were 15 feet bgs and the sand layer extends beyond that depth. Bedrock was not encountered during site investigation and minimum expected depth to bedrock is 600 feet bgs. Groundwater occurs between 6 and 8 feet bgs and flows to the southeast. "

Env Problem:

"Nature and Extent of Contamination: Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), pesticides and 1,4-Dioxane. Soil vapor was analyzed for VOCs. Based upon investigations conducted to date, the primary contaminants of concern for the site include tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride, polycyclic aromatic hydrocarbons (PAHs), 1,1-trichlorethane (TCA), and 1,1-dichloroethene , and metals. Soil: Soil data were compared to Restricted Residential Soil Cleanup Objectives (RRSCOs), Unrestricted Use Soil Cleanup Objectives (UUSCOs), and Protection of Groundwater Soil Cleanup Objectives (PGSCO). The contaminants of concern in soil are PCE, PAHs, and metals. PCE was detected at 75 parts per million (ppm) above the RRSCO of 19 ppm. PAHs were detected throughout the site. The PAHs detected include benzo(a)anthracene detected between 1.2-36 ppm above the RRSCO of 1 ppm; benzo(b)fluoranthene between 1.2-43 ppm above the RRSCO of 1 ppm; and indeno(1,2,3-cd)pyrene was detected between 0.57-21 ppm above the RRSCO of 0.5 ppm. Barium was detected between 356-730 ppm above the RRSCO of 400 ppm; cadmium was detected at 10.4 ppm above the RRSCO of 4.3 ppm; lead was detected between 64.2-3,110 ppm above the RRSCO of 400 ppm; and mercury was detected between 0.262-0.54 ppm above the RRSCO of 0.81 ppm. 1,4-dioxane was not detected above the reporting limit. Total PFOA and PFOS concentrations detected ranged between 0.000046-0.00334 parts per trillion (ppt). PFOA, PFOS, and 1,4-dioxane are not considered contaminants of concern at this site. Data does not indicate any off-site impacts in soil related to this site. Groundwater: Groundwater data was compared to the NYS DEC TOGS Ambient Water Quality Standards (NY-AWQS). PCE was detected at 10 parts per billion (ppb) which is above the NY-AWQS of 5 ppb. PAHS were detected throughout the site and include benzo(a)anthracene detected between 0.02-0.07 ppb above the NY-AWQS of 0.002 ppb; benzo(b)fluoranthene detected between 0.02-0.07 above the NY-AWQS of 0.002 ppb; and chrysene detected between 0.04-0.06 ppb above the NY-AWQS of 0.002 ppb. 1,4-dioxane was not detected above the reporting limit. Total PFOA and PFOS were detected between 44.4-99.6 ppt. PFAO, PFOS, and 1,4-dioxane are not considered contaminants of concern at this site. Data indicates potential for off-site impacts to groundwater related to this site. Soil Vapor/Indoor Air: PCE was detected throughout the site ranging from 2.76-23,200 micrograms per cubic meter g/m3. TCE was detected between 3.65-1,900 g/m3. Cis-1,2-DCE was detected between 4.08-2,390 g/m3. 1,1-dichloroethene was detected at 1.36 g/m3. Vinyl chloride was detected at 22.2 g/m3. 1,1,1-TCA was detected between 1.36-8.51 g/m3. Petroleum-related compounds, namely benzene, toluene, ethylbenzene, and xylenes, were

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

	detected between 3.11-90 g/m3. Data indicates potential for off-site impacts to soil vapor related to this site. "
Health Problem:	"Since the site is a vacant lot covered by asphalt or concrete, people will not come in contact with site-related soil and groundwater contamination unless they dig below the surface. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. However, there is a potential for soil vapor intrusion in off-site and future on-site buildings."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2020-09-21 14:14:00
Record Upd:	2021-01-21 15:18:00
Updated By:	MKMEDWID
Own Op:	6
Sub Type:	P03
Owner Name:	Donald Capoccia
Owner Company:	Coney Island Associates Phase 2 LLC
Owner Address:	c/o BFC Partners
Owner Addr2:	150 Myrtle Avenue, Suite 2
Owner City,St,Zip:	Brooklyn, NY 11201
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	Donald Capoccia
Owner Company:	Coney Island Phase 2 Housing Development Fund Corporation
Owner Address:	c/o Settlement Housing Fund, Inc.
Owner Addr2:	150 Myrtle Avenue, Suite 2
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	n/a
Owner Company:	Brooklyn Public Library - Coney Island Branch
Owner Address:	1901 Mermaid Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	4
Sub Type:	E
Owner Name:	Moshe Fleishmann
Owner Company:	Srf Management LLC
Owner Address:	456A Central Avenue Suite 125
Owner Addr2:	Not reported

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

Owner City,St,Zip:	Cedarhurst, NY 11516
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Eddie Mark
Owner Company:	Brooklyn Community Board 13
Owner Address:	1201 Surf Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
HW Code:	C224313
Waste Type:	polycyclic aromatic hydrocarbons (PAHS), total
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	lead
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	cadmium
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	barium
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	1,1 dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	mercury
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	vinyl chloride
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	cis-1,2-dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

E DESIGNATION:
Name: LOT 28,TAXBLOCK 7062
Address: 1607 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Tax Lot(s): 28
Tax Block: 7062
Borough Code: BK
E-No: E-229
Effective Date: 7/29/2009
Satisfaction Date: Not reported
Ceqr Number: 08DME007K
Ulurp Number: 090272ZMK090272ZMK
Zoning Map No: 28d

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

SPDES:

Name: 1607 SURF AVENUE
Address: 1607 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Permit Number: NYR11I521
State-Region: 2
Expiration Date: Not reported
Current Major Minor Status: Not reported
Primary Facility SIC Code: Not reported
State Water Body Name: Coney Island Creek
Limit Set Status Flag: Not reported
Total Actual Average Flow(MGD): Not reported
Total App Design Flow(MGD): Not reported
UDF1: Not reported
Lat/Long: 40.575843 / -73.984109
DMR Cognizant Official: Not reported
UDF2: Not reported
UDF3: Not reported
FIPS County Code: Not reported

Non-Gov Permit Affiliation Type Desc: Not reported
Non-Gov Permit Org Formal Name: Not reported
Non-Gov Permit Street Address: Not reported
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: Not reported
Non-Gov Permit State Code: Not reported
Non-Gov Permit Zip Code: Not reported
Non-Gov Facility Affiliation Type Desc: Not reported
Non-Gov Facility Org Formal Name: Not reported
Non-Gov Facility Street Address: Not reported
Non-Gov Facility Supplemental Location: Not reported

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

Non-Gov Facility City:	Not reported
Non-Gov Facility State Code:	Not reported
Non-Gov Facility Zip Code:	Not reported
State Water Body:	Not reported
Region Permit Processed:	Not reported
Dow Discharge Class Code:	Not reported
SPDES Class Description:	Not reported
Affiliation Type Description:	Not reported
Name:	Not reported
Contacts Title:	Not reported
Contacts Email:	Not reported
NOI Submission Date:	Not reported

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226 **WHEELER SHIPYARD** **FUDS** **1024899194**
NE **N/A**
1/2-1 **NO CITY, NY**
0.589 mi.
3109 ft.

Relative:
Higher

Actual:
9 ft.

FUDS:

EPA Region:	2
Installation ID:	NY29799F759700
Congressional District Number:	11
Name:	WHEELER SHIPYARD
FUDS Number:	C02NY0037
City:	NO CITY
State:	NY
County:	KINGS
Object ID:	2805
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=56485
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	In 1943 the Department of Navy obtained 0.287 acres fee for the expansion of the then existing Wheeler Shipyard. In September 1945 the Department of Navy conveyed the 0,287 acres site to Wheeler Shipyard Incorporated. Between 1945 and 1993 the former naval installation has been sold numerous times. Since 1949 the site is utilized as a gas filling station. The current owner is Leemilits Petroleum Incorporated, 125 Jericho Turnpike, Jericho NY, 11753.
Project Required:	No
Feature Description:	Not reported
Latitude:	40.5825
Longitude:	-73.98555556

227
NE
1/2-1
0.617 mi.
3257 ft.

TOPS APPLIANCE CITY
1525 - 1535 HART PLACE
BROOKLYN, NY 11224

NY SHWS **S113917075**
NY VCP **N/A**

Relative:
Lower

Actual:
1 ft.

SHWS:

Name:	TOPS APPLIANCE CITY
Address:	1525 - 1535 HART PLACE
City,State,Zip:	BROOKLYN, NY 11224
Program:	HW
Site Code:	58040
Classification:	N
Region:	2
Acres:	Not reported
HW Code:	224041
Record Add:	05/21/2002
Record Upd:	04/22/2005
Updated By:	DMMOLOUG
Site Description:	"The site did not qualify for addition to the Registry of Inactive Hazardous Disposal Sites"
Env Problem:	""
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Not reported
Sub Type:	Not reported
Owner Name:	Not reported
Owner Company:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Country:	Not reported
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

VCP:

Name:	TOPS APPLIANCE CITY
Address:	1525 - 1535 HART PLACE
City,State,Zip:	BROOKLYN, NY 11224
Program Type:	VCP

TOPS APPLIANCE CITY (Continued) **S113917075**

Site Code:	56905
HW Code:	V00250
Site Class:	N
SWIS:	2401
Region:	2
Town:	New York City
Acres:	Not reported
Date Record Added:	11/30/2000
Date Record Updated:	06/23/2006
Updated By:	IXMUNTEA
Site Description:	"The site consists of a warehouse and a parking lot in Coney Island, Brooklyn, NY. The site is adjacent to Coney Island Creek, which borders the site to the north. Hart Place borders the site to the south. The neighborhood is mainly residential even though the zoning is M3 manufacturing. A former MGP site (Coney Island Works) is located to the north of the site on the other side of Coney Island Creek. The current use of the site is commercial. The former Volunteer, Tops Appliance City, has submitted a Phase I Environmental Investigation Report, which showed contaminants common to the fill material in the area. The area is covered with 11-13 feet of mixed urban fill material. The contaminants of concern were metals and Semi Volatile Organic Compounds (SVOCs) above the NYSDEC TAGM 4046 RSCO. The investigation has not been completed. The negotiations for the Voluntary Cleanup Program Agreement were terminated because the Volunteer has not been responsive to the program requirements. "
Env Problem:	"The Phase I Environmental Assessment has revealed contaminants specific to the urban fill material. The entire area is covered by 11-13 feet of fill material. Contaminants of concern were metals (copper, zinc, lead) and semi-volatile organic compounds (SVOCs) which have been found at levels above the NYSDEC TAGM 4046 RSCO. "
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	6
Sub Type:	ZZZ
Owner Name:	ATTN: ERNIE OLSAN
Owner Company:	Tops Appliance City, Inc.
Owner Address:	45 BRUNSWICK AVE.
Owner Addr2:	Not reported
Owner City,St,Zip:	EDISON, NJ 08818
Owner Country:	United States of America
Own Op:	1
Sub Type:	ZZZ
Owner Name:	Not reported
Owner Company:	AM CONEY ISLAND, LLC
Owner Address:	5 EAST 37TH ST. 10TH FL.
Owner Addr2:	Not reported

TOPS APPLIANCE CITY (Continued) **S113917075**

Owner City,St,Zip:	NEW YORK, NY 10016
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

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228 West 1/2-1 0.762 mi. 4025 ft. **NORTON PT SEA LIG SITE** **FUDS** **1024899261 N/A**

NO CITY, NY

Relative: Higher

Actual: 13 ft.

FUDS:

EPA Region:	2
Installation ID:	NY29799F119100
Congressional District Number:	8
Name:	NORTON PT SEA LIG SITE
FUDS Number:	C02NY0663
City:	NO CITY
State:	NY
County:	KINGS
Object ID:	383
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=59149
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	The site was utilized by the Department of Army as an observation and searchlight facility. Based on the FDE, the site currently serves as the Coney Island Lighthouse and is an active Coast Guard Installation. Not reported
Project Required:	No
Feature Description:	The site was utilized by the Department of Army as an observation and searchlight facility. Based on the FDE, the site currently serves as the Coney Island Lighthouse and is an active Coast Guard Installation.
Latitude:	40.57611111
Longitude:	-74.01166667

AU229
ENE
1/2-1
0.862 mi.
4549 ft.

BROOKLYN BOROUGH GAS WORKS, CONEY ISLAND — **EDR MGP** — **1008407880**
NEPTUNE AVENUE, CONEY ISLAND — **N/A**
BROOKLYN, NY 11224

Site 1 of 2 in cluster AU

Relative:
Higher

Actual:
4 ft.

Manufactured Gas Plants:
No additional information available

AU230
ENE
1/2-1
0.890 mi.
4699 ft.

K - FORMER BROOKLYN BOROUGH GAS WORKS — **NY SHWS** — **S105586297**
2731 WEST 12TH STREET — **N/A**
BROOKLYN, NY 11224

Site 2 of 2 in cluster AU

Relative:
Higher

Actual:
5 ft.

SHWS:

Name:	K - FORMER BROOKLYN BOROUGH GAS WORKS
Address:	2731 WEST 12TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Program:	HW
Site Code:	55916
Classification:	Site is properly closed - requires continued management.
Region:	2
Acres:	17.600
HW Code:	224026
Record Add:	11/18/1999
Record Upd:	03/30/2022
Updated By:	JEBROWN
Site Description:	"Location: The former Brooklyn Borough Gas Works site (Site # 224026) is located in the Borough of Brooklyn, Kings County, New York,at 873 Neptune Avenue,Coney Island. The site is bordered by the right of way of the Shore Parkway and the New York Metropolitan Transit Authority (MTA) rail-yard to the north and west, and Coney Island Creek to the south and east. The site is approximately 17.6 acres in size. Site Features: The site is relatively flat and is located in a residential/commercial area of Brooklyn. The site is bordered on the south by Coney Island Creek, to the north by an elevated portion of the Belt Parkway and the MTA rail yard. To the east of the site is the Gill Hodges Little League field (now closed) and to the west are railroad tracks. Current Zoning: The site is zoned for Commercial/Industrial use. Surrounding parcels are a mixture of commercial and industrial uses. Past Use of the Site: Former Manufactured Gas Plant operations ceased at this site in 1951. The gas manufacturer operated a carburated water gas plant which was constructed between 1908 and 1912. The facility included two large-capacity gas holders, a station metering house, two underground and five above ground gas oil tanks, tar conditioners and seal pumps, three tar separators, four generators, a coal storage yard, pump rooms, booster and exhauster rooms, two condensers, eight purifier boxes, two relief holders, an electric tar precipitator, a tar dehydrator system, tar storage tanks, oil pumps, and drip oil tanks. From 1960 to 1966 the site was almost completely decommissioned and demolished. Some components were used for natural gas service until they were demolished in the early 1980's. Operable Units: The site was divided into three operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

pathway resulting from the site contamination. Operable unit 1 (OU1) is containment of the upland area by means of a cut-off wall. OU2 consists of excavation of the top 3 feet of Coney Island Creek Sediment, placement of clean fill on a geotextile and fabric, and installation of a 50 foot-wide ecological buffer zone along the creek's bank. OU3 includes removal and disposal of contaminated soil in selected areas, installation of a NAPL recovery trench, and installation of an impermeable cap. Site Geology and Hydrogeology: Site investigations revealed site geology consisting of unconsolidated Pleistocene deposits from 10 to 172 feet below ground surface (BGS) that consist mainly of fine to coarse grained sands with a clay/silt layer from 59 to 60 feet BGS and clay from 170 to 172 feet BGS. The sand, which at some depths contained a trace of gravel, varied with depth in grain size and color. Above the Pleistocene deposits is a thin (5 to 10 feet) layer of near shore and estuary type deposits. The glacial aquifer encountered at the site is composed almost entirely of the sands of the till and out-wash deposits and extends from just below the surface to 170 feet BGS. Coney Island Creek is approximately 1.6 miles long, emerging from a culvert under Shell Road just east of the site. The creek is a small tidal creek which flows in a southwesterly direction, then turns and flows in a northwesterly direction to Gravesend Bay which empties into lower New York Bay and, ultimately the Atlantic Ocean. "

Env Problem: "Post-Remediation: Remediation at the site is complete. All remedial elements, except for the on-site Groundwater Treatment Plant, which was deleted from the remedy in February 2012, have been completed. The remedy included the excavation of the coal tar source area in the upland portions of the site, resulting in the off-site disposal of 86,200 tons of impacted soil. The remedy also included construction of a low permeability cap over the upland portions of the site to minimize exposure pathways and prevent rainwater infiltration, and the installation of coal tar collection wells in a collection trench. The top three feet of contaminated sediments across the entire length and width of the Coney Island Creek adjacent to the site were dredged and replaced with clean sediment. In 2018, several monitoring wells were sampled for PFAS and 1,4-dioxane as part of the Department's Emerging Contaminants initiative. Perfluorooctanoic acid (PFOA) was reported at a concentration of 155 parts per trillion (ppt), exceeding the 10 ppt screening level for groundwater. Individual PFAS exceeding the 100 ppt screening level included Perfluorobutanoic Acid (PFBA). Total PFAS, including both PFOA and PFOS, were reported at concentrations of 2,940 ppt, which is above the 500ppt screening level for total PFAS in groundwater. Special Resources Impacted/Threatened: Prior to remediation, the contamination in Coney Island Creek was sufficient to cause an adverse, acute or chronic effect to fish, shellfish, crustacea and other wildlife. This threat has been mitigated. Significant Threat: The significant threat that existed prior to remediation no longer exists at the site. The site is being managed under a Site Management Plan. Prior to Remediation: The main categories of contaminants which exceeded their SCGs in all Operable Units were polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and inorganics. The carcinogenic PAH contaminants of concern were chrysene, dibenzo(a,h)anthracene,benzo(b)fluoranthene, benzo(a)anthracene, benzo(a)pyrene, benzo(k)fluoranthene, and Indeno(1,2,3-cd)pyrene. The VOC contaminants of concern included benzene, toluene, ethylbenzene and xylene (BTEX), and acetone. The inorganic contaminants of concern

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

included but were not limited to the following arsenic, lead, manganese, nickel and zinc. Contaminated soil on the site exhibited high levels of benzene. Most of the contaminants were detected primarily at a depth of 4 to 12 feet below ground surface across the entire site. Throughout the entire site, total PAHs were observed in soil at concentrations ranging from less than 1 ppm to over 40,000 ppm and BTEX constituents were detected at concentrations ranging from 0.0014 ppm to 1,600 ppm. Below the groundwater table, total PAHs were observed in soil at concentrations ranging from non detect to 4,500 ppm and total BTEX ranged from no detect to 175 ppm. The majority of the source materials were typically located within the upper six feet of the soil, just above the groundwater table. In the OU2 area, surface sediments, defined as the uppermost four inches of sediments in Coney Island Creek, were contaminated with the same VOC, SVOC and metal contaminants present on-site. BTEX compounds were detected in 11 of 30 surface sediment samples, with benzene,toluene, ethylbenzene and xylenes concentrations ranging between 0.0023 and 13 ppm. Individual PAHs were detected at concentrations ranging from 0.13 to 72 ppm in 29 of the 30 samples collected. The maximum concentrations of TPAHs and cPAHs detected in the surface sediment were 120 and 8 ppm respectively. Twenty-three metals were detected in the surface sediment samples. The highest concentrations of metals, including lead at a concentration of over 2,000 ppm, were detected at sampling locations adjacent to the combined sewer overflow and storm water outfalls and are probably not MGP-related. Subsurface sediments are defined as the sediments between 4 inches and 6 to 10 feet below the sediment surface. Individual BTEX constituents were detected in 34 of the 66 subsurface sediments samples collected with concentrations ranging from 0.0006 to 300 ppm, and a maximum total BTEX of 364 ppm. Individual PAHs were detected, at concentrations ranging from 0.036 to 200 ppm, in 74 of 99 samples. The maximum concentration of TPAH detected in the subsurface sediment was 819 ppm. Elevated concentration of PAHs were detected at depth of 6 to 10 feet below the sediment surface in the source areas adjacent to the southwest portion of the former MGP site. Metals, including arsenic and lead at concentrations ranging from 61 to 3,300 ppm respectively were detected in subsurface sediments. "

Health Problem: "Since the site is fenced and covered with an engineered soil cover system, people will not come into contact with site-related soil and groundwater contamination unless they dig below the surface. People are not drinking the contaminated groundwater since the area is served by public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The site is vacant therefore soil vapor intrusion is currently not an issue. However, the potential exists for people to inhale site contaminants in indoor air due to soil vapor intrusion in any future on-site building development and occupancy."

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1908

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

Disp Term:	1980s
Lat/Long:	40:34:53:0 / 73:58:45:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	2013-01-04 14:38:00
Updated By:	LXDOLATA
Own Op:	3
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	BROOKLYN BOROUGH GAS COMPANY
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C05
Owner Name:	Chuck Reichenthal
Owner Company:	Community Board 13
Owner Address:	2900 W. 8th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	Sarah aldridge
Owner Company:	National Grid
Owner Address:	175East Old Country Rd
Owner Addr2:	Not reported
Owner City,St,Zip:	Hicksville, NY 11801
Owner Country:	United States of America
Own Op:	1
Sub Type:	NNN
Owner Name:	Real Estate Department
Owner Company:	Metropolitan Transportation Authority
Owner Address:	347 Madison Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10017
Owner Country:	United States of America
HW Code:	224026
Waste Type:	ACETONE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	ACETONE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	NAPHTHALENE
Waste Quantity:	UNKNOWN

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

Waste Code: Not reported
HW Code: 224026
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: benzo(k)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: benzo(k)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

HW Code:	224026
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	1,2-BENZPHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	1,2-BENZPHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	benzo(a)anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	benzo(a)anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	BENZENE (D018)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	PCBS
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2005018

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2020-09-02 07:22:00
Record Updated: 2020-09-02 07:22:00
Updated By: SXDEYETT
Crossref ID: 2012000235857
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2013-07-03 10:42:00
Record Updated: 2013-07-03 10:42:00
Updated By: SRHEIGEL
Crossref ID: NYD980532022
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	S113916585	DAVIDSON PIPE SUPPLY COMPANY	3RD AVE & 37TH STREET		NY SHWS
BROOKLYN	S105841909	HIGHWAY CONTAINER CORP.	BAY 56TH STREET (BET. W 21ST.	11214	NY SWF/LF
BROOKLYN	S126022763	CONEY ISLAND CREEK	BOUNDED BY NEPTUNE AVE, W 23RD		NY SWF/LF
BROOKLYN	S126022764	CONEY ISLAND, STILLWELL AND NEPTUN	BOUNDED BY STILLWELL AVE, NEPT		NY SWF/LF
BROOKLYN	1026463636	BROOKLYN BOROUGH GAS CO.	CONEY ISL CREEK/NEPTUNE AVE &	11224	SEMS
BROOKLYN	1026649148	US CUSTOMS SERVICE	FEDERAL BLDG. #1 29TH ST. & 3R		PRP
BROOKLYN	S126022660	CALVER VAUX/DRIER OFFERMAN	10 HUTCHINSON RIVER PKWY CROPS		NY SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/27/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/19/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 71

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 06/21/2022
Number of Days to Update: 6

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/29/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 06/24/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/02/2022
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85
Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 02/16/2022
Date Data Arrived at EDR: 03/16/2022
Date Made Active in Reports: 06/10/2022
Number of Days to Update: 86
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 02/16/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85
Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP NYC: Voluntary Cleanup Program Listing NYC
New York City voluntary cleanup program sites.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/09/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 86

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 03/29/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 06/24/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

PFAS 2: New York State Inactive Landfill Initiative

A solid waste site priority list of mitigation and remedial activities to address sites causing, or substantially contributing to, impairments of drinking water quality. The primary focus is inactive solid waste disposal sites, primarily landfills, and their potential impact on New York?s drinking water resources from site-related contaminants, with a focus on emerging contaminants, including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane.

Date of Government Version: 10/29/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 158

Source: Department of Environmental Conservation
Telephone: 518-402-9662
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 07/26/2022
Number of Days to Update: 82

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 07/27/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/02/2022
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/11/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/11/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/23/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 04/14/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/02/2022
Date Data Arrived at EDR: 05/25/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 65

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/10/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 96

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/02/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 07/27/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 8

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 03/30/2022
Date Made Active in Reports: 06/24/2022
Number of Days to Update: 86

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/22/2022
Date Data Arrived at EDR: 06/22/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 6

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 03/29/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 06/24/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/11/2020
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 03/25/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 87

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 05/30/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/17/2022
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/13/2022
Date Made Active in Reports: 07/08/2022
Number of Days to Update: 86

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

NYC LEAD 2: Recent Lead Paint Violations

Pursuant to New York City?s Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) issues violations against conditions in rental dwelling units that have been verified to violate the New York City Housing Maintenance Code (HMC) or the New York State Multiple Dwelling Law (MDL). Violations are issued when an inspection verifies that a violation of the HMC or MDL exists. It is closed when the violation is corrected, as observed/verified by HPD or as certified by the landlord.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 07/26/2022
Number of Days to Update: 83

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

NYC LEAD: Lead-based Paint Testing Results
The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 07/26/2022
Number of Days to Update: 83

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

NASSAU COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST - NASSAU: Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

TANKS SUFFOLK: Storage Tank Database

This county is not included in the state?s database. These are facilities that have no tank information in the storage tank database.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

UST - SUFFOLK: Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
BROOKLYN, NY 11224

TARGET PROPERTY COORDINATES

Latitude (North):	40.575935 - 40ˆ 34’ 33.37’’
Longitude (West):	73.995217 - 73ˆ 59’ 42.78’’
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	585046.0
UTM Y (Meters):	4491957.5
Elevation:	3 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14105972 CONEY ISLAND, NY
Version Date:	2019
West Map:	14071946 THE NARROWS, NY
Version Date:	2019

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

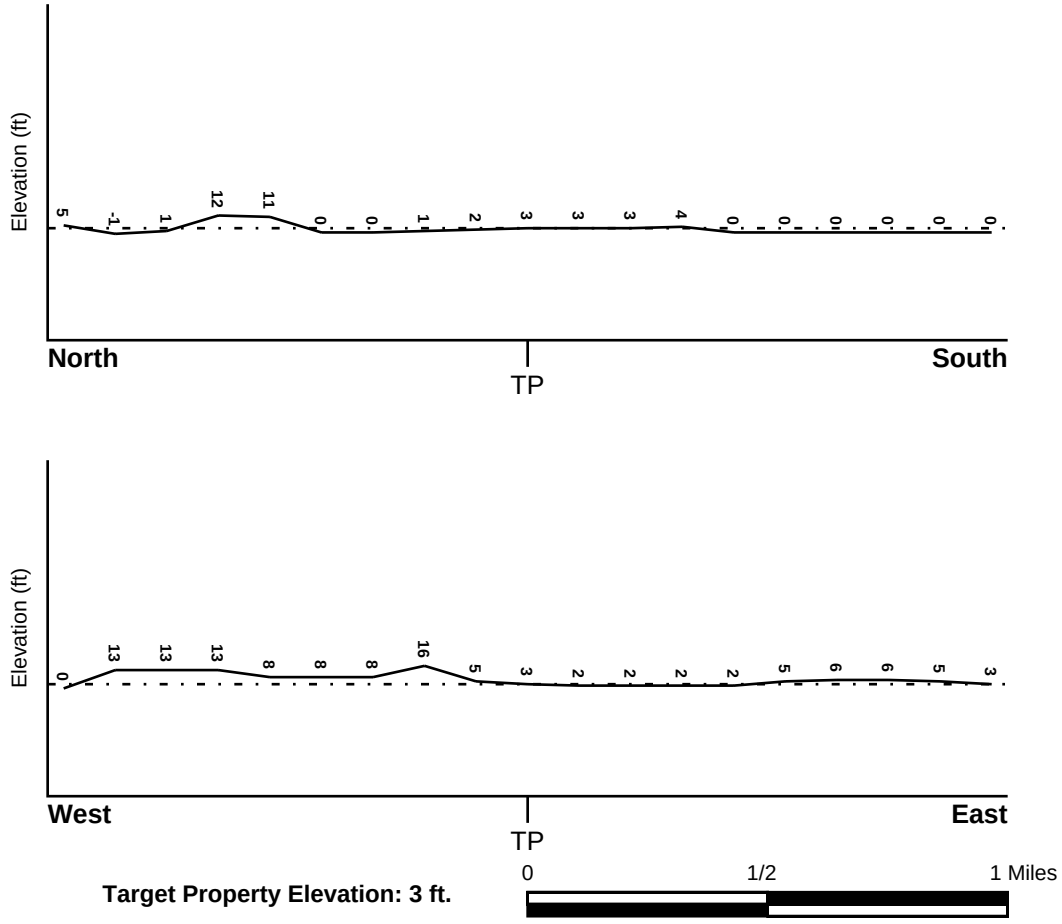
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 3 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3604970353F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3604970334F	FEMA FIRM Flood data
3604970117B	FEMA Q3 Flood data
3604970118B	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CONEY ISLAND	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Pleistocene
Code:	Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sand
mucky-peat

Surficial Soil Types: sand
mucky-peat

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: coarse sand
sand
loamy sand
sapric material

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000825922	1/8 - 1/4 Mile SW
2	USGS40000825920	1/4 - 1/2 Mile South
A3	USGS40000825918	1/4 - 1/2 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A4	USGS40000825919	1/4 - 1/2 Mile SE
5	USGS40000825931	1/4 - 1/2 Mile ENE
7	USGS40000825925	1/2 - 1 Mile East
8	USGS40000825927	1/2 - 1 Mile East
9	USGS40000825937	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

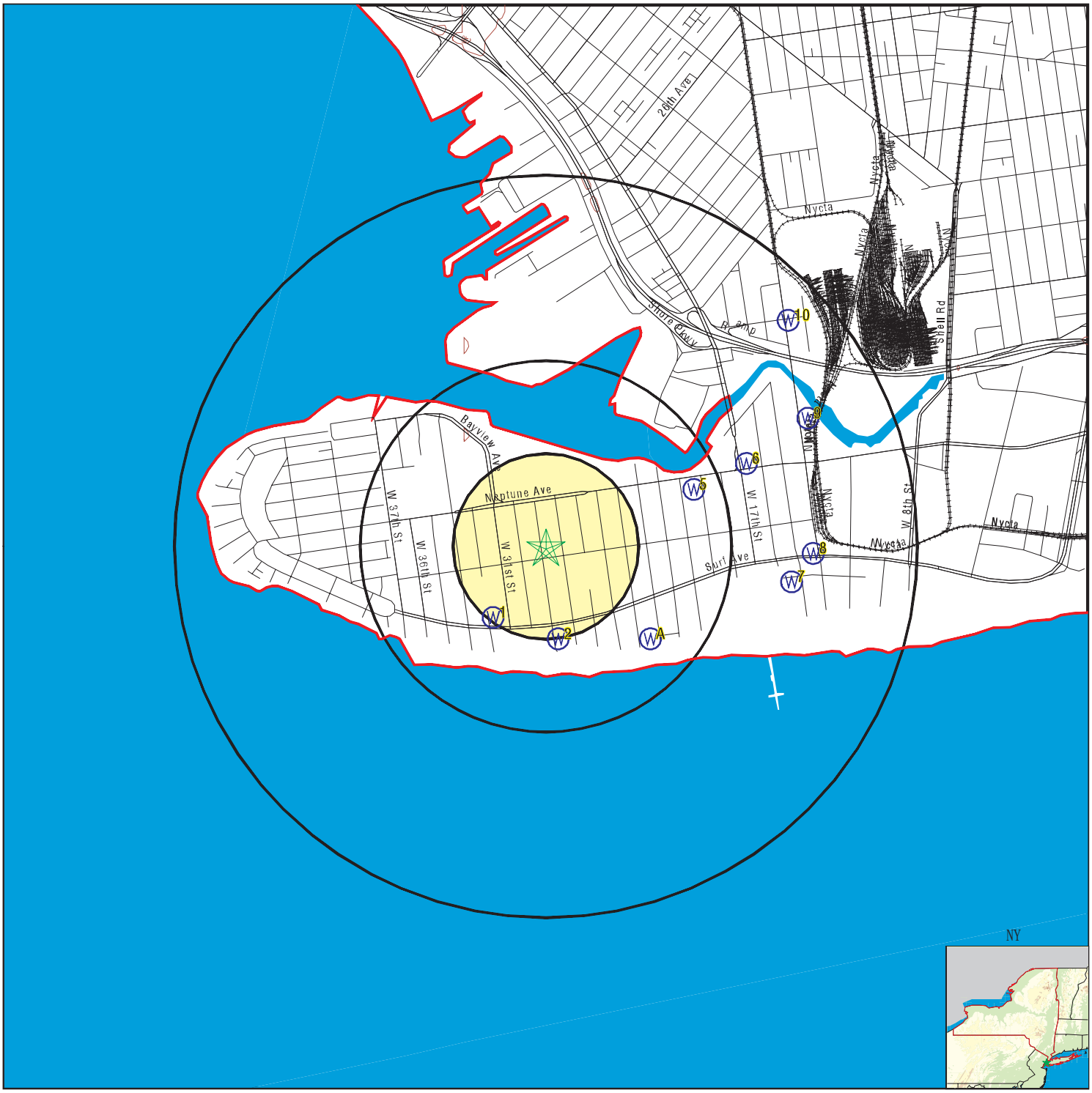
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	NYREG1000000162	1/2 - 1 Mile ENE
10	NYREG1000000114	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 7093643.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,	CLIENT:	Hillmann Environmental Co.
ADDRESS:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St., Brooklyn NY 11224	CONTACT:	Joanne Bedkowski
LAT/LONG:	40.575935 / 73.995217	INQUIRY #:	7093643.2s
		DATE:	August 22, 2022 12:19 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SW
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000825922**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1322. 1	Type:	Well
Description:	5401	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	185	Well Hole Depth Units:	ft

2
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000825920**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1020. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	113	Well Hole Depth Units:	ft

A3
SE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000825918**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 178. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	118	Well Hole Depth Units:	ft

A4
SE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000825919**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1558. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	118	Well Hole Depth Units:	ft

5
ENE **FED USGS** **USGS40000825931**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1. 1	Type:	Well
Description:	1701	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	750	Well Hole Depth Units:	ft

6
ENE **NY WELLS** **NYREG1000000162**
1/2 - 1 Mile
Higher

Well Number:	K003516	Owner:	Coney Island Car Wash
Well Depth:	25	Diameter:	2
Casing Length:	0	Screen Diameter:	0
Screen Length:	0		

7
East **FED USGS** **USGS40000825925**
1/2 - 1 Mile
Higher

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1021. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	120	Well Hole Depth Units:	ft

8
East **FED USGS** **USGS40000825927**
1/2 - 1 Mile
Higher

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 283. 1	Type:	Well
Description:	5501	HUC:	02030202

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	154	Well Hole Depth Units:	ft

9
ENE **FED USGS** **USGS40000825937**
1/2 - 1 Mile
Lower

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 2859. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Lloyd Aquifer	Aquifer Type:	Not Reported
Construction Date:	19660125	Well Depth:	500
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

10
NE **NY WELLS** **NYREG1000000114**
1/2 - 1 Mile
Higher

Well Number:	K003469	Owner:	Stillwell Materials
Well Depth:	75	Diameter:	6
Casing Length:	0	Screen Diameter:	0
Screen Length:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX F

OTHER DOCUMENTS

NYC Oasis

2828 WEST 28TH STREET, BROOKLYN 11224
Alternate address from NYC Dept of City Planning:
2828 WEST 28 STREET
Residential: Multi-Family Elevator Building
Owner: SEA PARK NORTH HOUSI
Block: 7011 **Lot:** 11
Property Characteristics:

- **Lot Area:** 154,050 sq ft (237' x 650')
- **# of Buildings:** 1 **Year built:** 1972
- **Building frontage:** 120' (Building frontage along the street measured in feet.)
- **# of floors:** 15 **Building Area:** 102,000 sq ft
- **Total Units:** 122 **Residential Units:** 122
- **Primary zoning:** R6 **Commercial Overlay:** None
- **Floor Area Ratio:** 0.66
  Max. Allowable Residential FAR: 2.43
  Max. Allowable Commercial FAR: 0
  Max. Allowable Facility FAR: 4.8
  The Maximum Allowable Floor Area Ratios are exclusive of bonuses for plazas, plaza-connected open areas, arcades or other amenities.
  FAR may depend on street widths or other characteristics. Contact City Planning Dept. for latest information.

Joanne Bedkowski

From: New York DEC Support <newyorkdec@mycusthelp.net>
Sent: Friday, August 19, 2022 7:41 PM
To: Joanne Bedkowski
Subject: FOIL Request :: W105546-081922

Dear Joanne:

Thank you for your Freedom of Information Law (FOIL) request. Your request has been received and is being processed. Your request was received in this office on 8/19/2022 and given the reference number FOIL #W105546-081922 for tracking purposes. You may expect the Department's response to your request no later than **9/20/2022**.

Record Requested: **Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street, Brooklyn, NY 11224 - Block: 7011, Lot: 11**

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Again, thank you for using the FOIL Center.

https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx

New York State Department of Environmental Conservation, Record Access Office

---

Track the issue status and respond at: https://newyorkdec.mycusthelp.com/webapp//_rs/RequestEdit.aspx?rid=105546

Joanne Bedkowski

From: donotreply@records.nyc.gov
Sent: Friday, August 19, 2022 7:37 PM
To: Joanne Bedkowski
Subject: [OpenRecords] Request FOIL-2022-826-03939 Submitted to Department of Environmental Protection (DEP)

Your request FOIL-2022-826-03939 has been successfully submitted to the Department of Environmental Protection (DEP). The details of your request are shown below.

Request Title: FOIL Request

Request Description: Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street, Brooklyn, NY 11224 - Block: 7011, Lot: 11

Requester's Contact Information

Name:
Joanne Bedkowski
Title:
Z3-4991.3
Organization:
Hillmann Consulting, LLC
Email:
jbedkowski@hillmanngroup.com
Phone Number:
(908) 688-7800
Fax Number:
(908) 686-2636
Street Address (line 1):
1600 Route 22 East
Street Address (line 2):
Suite 107
City:
Union
State:
NJ
Zip Code:
07083

You can view the request and take any necessary action at the following webpage: https://a860-openrecords.nyc.gov/request/view/FOIL-2022-826-03939.

Joanne Bedkowski

From: donotreply@records.nyc.gov
Sent: Tuesday, August 23, 2022 9:21 AM
To: Joanne Bedkowski
Subject: [OpenRecords] Request FOIL-2022-826-03939 Acknowledged

The Department of Environmental Protection (DEP) has **acknowledged** your FOIL request FOIL-2022-826-03939.

You can expect a response on or about Tuesday, January 10, 2023.

Please visit FOIL-2022-826-03939 to view additional information and take any necessary action.

Open RECORDS

(/)

Request a Record

Please make your request specific so you receive the fastest service. After you submit a FOIL request you will receive a confirmation number so you can track the status of the response. The agency will notify you about how much time is required to respond to your request.

Category (optional)

Selecting a category helps clarify which agency will receive the request by listing agencies grouped by categories.

Environment

Agency (required)

Select the agency that will handle your request.

Department of Environmental Protection (DEP)

Request Title (required)

FOIL Request

90 characters remaining

Note: The agency, category, and title of your request will be visible to the public. Do not enter personal information here.

Ex: Queens Blvd Roadwork Permit.

Request Description (required)

Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street, Brooklyn, NY 11224 - Block: 7011, Lot: 11

4650 characters remaining

Note: The request details you write here will not be visible to the public. However, the agency may post a description of the records provided.

Ex: Roadwork permits for work done in on Queens Blvd. between 40th and 45th streets, Borough of Queens, in September and October 2017.

Upload File (optional, must be less than 20 Mb)

Choose File

No file uploaded

Personal Information

First and last name fields are required. The Email field is optional but recommended. If you do not provide an email you must enter either a phone number, fax number, or address in the Alternate Contact Information section.

This information will not be publicly viewable on this site. You must provide contact information so that the agency can respond to your request for records.

First Name (required)

Joanne

32 characters remaining

Last Name (required)

Bedkowski

64 characters remaining

Email

jbedkowski@hillmanngroup.com

Alternate Contact Information

No information entered in this section will be visible to the public.

Fields are included in case alternate contact method is needed.

Title

Z3-4991.3

55 characters remaining

Organization

Hillmann Consulting, LLC

128 characters remaining

Phone

(908) 688-7800

Fax

(908) 686-2636

Address

Address Line 1

1600 Route 22 East

Address Line 2

Suite 107

City

Union

State / U.S. Territory

New Jersey

Zip

07083

Submit Request

Privacy - Terms

Directory of City Agencies (http://www1.nyc.gov/nyc-resources/agencies.page)

Contact NYC Government (http://www1.nyc.gov/home/contact-us.page)

City Employees (https://a127-ess.nyc.gov)

Notify NYC (http://www.nyc.gov/notifynyc)

CityStore (http://a856-citystore.nyc.gov/)

Stay Connected (http://www1.nyc.gov/connect/social-media.page)

NYC Mobile Apps (http://www1.nyc.gov/connect/applications.page)

Maps (http://www1.nyc.gov/nyc-resources/nyc-maps.page)

Resident Toolkit (http://www1.nyc.gov/nyc-resources/resident-toolkit.page)

Search

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Open RECORDS

(/)

Your request has been submitted! ×

You can expect an acknowledgment from the City of New York within 5 business days. The agency will use the contact information you provided.

All messages from the City of New York and/or the information and documents you requested will be posted to this page.

FOIL-2022-826-03939

Title:
Under Review

Open

Department of Environmental Protection (DEP)

Acknowledgment
Due Date:
08/26/2022

Contact the Agency

Responses

Directory of City Agencies (http://www1.nyc.gov/nyc-resources/agencies.page)

Contact NYC Government (http://www1.nyc.gov/home/contact-us.page)

City Employees (https://a127-ess.nyc.gov)

Notify NYC (http://www.nyc.gov/notifynyc)

CityStore (http://a856-citystore.nyc.gov/)

Stay Connected (http://www1.nyc.gov/connect/social-media.page)

NYC Mobile Apps (http://www1.nyc.gov/connect/applications.page)

Maps (http://www1.nyc.gov/nyc-resources/nyc-maps.page)

Resident Toolkit (http://www1.nyc.gov/nyc-resources/resident-toolkit.page)

Search

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FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

SECTION A **CUSTOMER INFORMATION**

Please print the required information below.

Hillmann Consulting, LLC - Joanne Bedkowski
Name

1600 Route 22 East, Suite 107
Address

Union, NJ 07083
State Zip Code

908-688-7800, Fax: 908-686-2636
Telephone Number

OFFICE USE ONLY

Cashier / Search No.

PRU Staff
Accepted By/Initials:

Searched By:

Total Amount:

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the **NYC Fire Department and a stamped self-addressed envelope (with postage).** Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH.**

SECTION B **FUEL TANK REPORT - FEE $10.00 / PER REPORT**

2828	West 28th Street	Brooklyn
House Number	Street Name	Borough

- [x] THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- [x] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- [ ] MOST RECENT TANK / PIPING TEST RESULTS
- [ ] HISTORY OF BURIED TANKS LEAKS

Note: Requests will be responded to within 10 business days.

PR3 (July-08)

Public Records Center

MENU

Public Records Menu

FAQs

See All FAQs

- How to contact NYSDEC about FOIL?
- Response time to my FOIL request?
- Fees I have to pay?
- Exceptions to disclosing records?
- Can I inspect documents first?
- Processing of my request?
- How I pay fees?
- How do I appeal a denial of access?

View Message(s)

Request Type: Freedom of Information Law Request

Description: A FOIL request is a request for any "record" under NY's Freedom of Information Law (Article 6 of the Public Officers Law). Section 86 defines a "record" as: "any information kept, held, filed, produced or reproduced by, with or for an agency or the state legislature, in any physical form whatsoever including, but not limited to, reports, statements, examinations, memoranda, opinions, folders, files, books, manuals, pamphlets, forms, papers, designs, drawings, maps, photos, letters, microfilms, computer tapes or discs, rules, regulations or codes. NYSDEC maintains records in a variety of forms, or media, such as in hard copy (on paper), as recordings, as photographs, in electronic form, etc.

Contact E-Mail: jbedkowski@hillmanngroup.com

Reference No: W105546-081922

Type of Record(s) Requested: Other

Powered by GovQA

	hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street Brooklyn, NY 11224 - Block: 7011, Lot: 11
NYSDEC Office processing the Request:	Region 2 (New York City) Covers the counties of Brooklyn Bronx Manhattan Queens and Staten Island **If your request pertains to just one Region, select that Region. If your request pertains to more than one Region, select Central Office. If you're unsure which Region your request pertains to, select Central Office. The Department will route your request to the appropriate Region(s)**
Preferred Method to Receive Records:	Electronic copies **NYSDEC will use its best efforts to provide records via the method you select. However, in some cases a particular delivery method is not feasible In such cases NYSDEC will deliver the records via an alternative method**

Please note not all public documents are available in electronic format. If the document(s) requested are not available electronically, we will make them available for inspection or by paper copy in accordance with the Public Records Law.

New Message | Cancel

Messages 2 | Print Messages (PDF

On 8/19/2022 7:39:14 PM, New York DEC Support wrote:

Dear Joanne:

Thank you for your Freedom of Information Law (FOIL) request. Your request has

purposes. You may expect the Department's response to your request no later than **9/20/2022**.

Record Requested: **Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street, Brooklyn, NY 11224 - Block: 7011, Lot: 11**

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Again, thank you for using the FOIL Center.

https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx

New York State Department of Environmental Conservation, Record Access Office

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Track the issue status and respond at:
https://newyorkdec.mycusthelp.com/webapp//_rs/RequestEdit.aspx?rid=105546

On 8/19/2022 7:39:14 PM, Joanne Bedkowski wrote:

Request Created on Public Portal

Powered by GovQA

NYC Buildings

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

2828 WEST 28 STREET — **BROOKLYN 11224** — **BIN# 3259642**

WEST 28 STREET 2828 - 2828

Health Area	: 9010	**Tax Block**	: 7011
Census Tract	: 328	**Tax Lot**	: 11
Community Board	: 313	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

VIOLATION FOR FAILURE TO CERTIFY CORRECTION OF CLASS 1 VIOLATION EXISTS ON THIS PROPERTY - DOB CIVIL PENALTIES DUE

Cross Street(s):	NEPTUNE AVENUE, CHARLOTTE L TAYLOR WAY		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Environmental Restrictions:	HAZMAT/NOISE/AIR	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		
Additional Designation(s):	MS4 - MS4 AREA MIH - MIH AREA		
HPD Multiple Dwelling:	Yes		
Number of Dwelling Units:	122		

Special District: UNKNOWN

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	No	
Freshwater Wetlands Map Check:	No	Click here for more information
Coastal Erosion Hazard Area Map Check:	No	
Special Flood Hazard Area Check:	Yes	

Department of Finance Building Classification: D1-ELEVATOR APT

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	
			Elevator Records
Complaints	44	0	Electrical Applications
Violations-DOB	45	3	Permits In-Process / Issued
Violations-OATH/ECB	40	8	Illuminated Signs Annual Permits
Jobs/Filings	17		Plumbing Inspections
ARA / LAA Jobs	2		Open Plumbing Jobs / Work Types
Total Jobs	19		Facades
Actions	8		Marquee Annual Permits
			Boiler Records
OR Enter Action Type:			DEP Boiler Information

OR Select from List: Select...

AND Show Actions

Crane Information

After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

C of O PDF Listing for Property

For Certificates of Occupancy requested on or after March 1, 2021, see DOB NOW.

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

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DOB Violation Display for 050312BENCH02401

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

Issue Date: 05/03/2012 **Violation Category:** V - DOB VIOLATION - ACTIVE
Violation Type: BENCH - FAILURE TO BENCHMARK
Violation Number: 02401 **Device No.:**
OATH/ECB No.:
Infraction Codes:
Description: FAILURE TO FILE BENCHMARKING REPORT OF ENERGY USE AS PER AD. CODE SEC. 28-309.4

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 123113FISPNRF01177

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642** **Block: 7011** **Lot: 11**

Issue Date:	12/31/2013	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	FISPNRF - NO REPORT AND / OR LATE FILING (FACADE)		
Violation Number:	01177	**Device No.:**	7C710203
OATH/ECB No.:			
Infraction Codes:			
Description:	FAILED TO FILE FISP CYCLE 7C TECHNICAL REPORT BY 02/21/2013		
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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DOB Violation Display for 031622AEUHAZ100353

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB Civil Penalty Due: $3,000

Issue Date:	03/16/2022	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	AEUHAZ1 - FAIL TO CERTIFY CLASS 1		
Violation Number:	00353	**Device No.:**	
OATH/ECB No.:	35640583Y (refer to for further details)		
Description:	FAILURE TO CERTIFY CORRECTION ON IMMEDIATELY HAZARDOUS (CLASS 1) ECB VIOLATION		

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OATH/ECB Violation Details

Click here for more information about Severity, Violation and Hearing Statuses

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 39063845N

Severity: CLASS - 3 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD FL 2 , ROSLYN , NY 11576

Violation Details

Violation Date: 06/09/2022 **Violation Type:** BOILER

Served Date: 06/09/2022 **Inspection Unit:** BOILER DIVISION

Device Type: BOILER

Device Number: 000048934

Infraction Codes	Section of Law	Standard Description
354	28-301.1	FAILURE TO MAINTAIN BUILDING IN CODE-COMPLIANT MANNER: SERVICE EQUIPME NT - BOILER

Specific Violation Condition(s) and Remedy:

REAR BOILER DRAIN VALVE LEAKING/GAS PIOLIT REGULATOR MISSING VENT LIMITER/BODY DRAIN DISCHARGE PIPES MISSING AT SAFETY VALVES/LEFT FRONT BOTTOM WASHOUT CAP LEAKING;CORRECT VIOLATION AND SUBMIT THE CERTIFICATE O

Issuing Inspector ID: 1952 **DOB Violation Number:**

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 10/12/2022 8:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $500.00

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OATH/ECB Violation Details

Click here for more information about Severity, Violation and Hearing Statuses

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 39063844L

Severity: CLASS - 3 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD FL 2 , ROSLYN , NY 11576

Violation Details

Violation Date: 06/09/2022 **Violation Type:** BOILER

Served Date: 06/09/2022 **Inspection Unit:** BOILER DIVISION

Device Type: BOILER

Device Number: 000048934

Infraction Codes	Section of Law	Standard Description
354	28-301.1	FAILURE TO MAINTAIN BUILDING IN CODE-COMPLIANT MANNER: SERVICE EQUIPME NT - BOILER

Specific Violation Condition(s) and Remedy:

BOILER OUTSIDE FLUE TERMINATION IS DEFECTIVE;CORRECT VIOLATION AND SUBMIT THE CERTIFICATE OF CORRECTION

Issuing Inspector ID: 1952 **DOB Violation Number:**

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 10/12/2022 11:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $500.00

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OATH/ECB Violation Details

Click here for more information about Severity, Violation and Hearing Statuses

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 39063843J

Severity: CLASS - 3 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD FL 2 , ROSLYN , NY 11576

Violation Details

Violation Date: 06/09/2022 **Violation Type:** BOILER

Served Date: 06/09/2022 **Inspection Unit:** BOILER DIVISION

Device Type: BOILER

Device Number: 000048934

Infraction Codes	Section of Law	Standard Description
354	28-301.1	FAILURE TO MAINTAIN BUILDING IN CODE-COMPLIANT MANNER: SERVICE EQUIPME NT - BOILER

Specific Violation Condition(s) and Remedy:

CONDENSATE LEAKING FROM 1ST ELBOW ON BOILER FLUE CONNECTION;CORRECT VIOLATION AND SUBMIT THE CERTIFICATE OF CORRECTION

Issuing Inspector ID: 1952 **DOB Violation Number:**

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 10/12/2022 10:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $500.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 39063842H

Severity: CLASS - 3 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD FL 2 , ROSLYN , NY 11576

Violation Details

Violation Date: 06/09/2022 **Violation Type:** BOILER

Served Date: 06/09/2022 **Inspection Unit:** BOILER DIVISION

Device Type: BOILER

Device Number: 000048934

Infraction Codes	Section of Law	Standard Description
354	28-301.1	FAILURE TO MAINTAIN BUILDING IN CODE-COMPLIANT MANNER: SERVICE EQUIPME NT - BOILER

Specific Violation Condition(s) and Remedy:

FRONT LEFT+RIGHT BOILER DRAIN VALVES LEAKING/BOILER WATER FEED TANK CORRODED/BODY DRAIN DISCHARGE PIPES MISSING AT SAFETY VALVES;CORRECT VIOLATION AND SUBMIT THE CERTIFICATE OF CORRECTION

Issuing Inspector ID: 1952 **DOB Violation Number:**

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 10/12/2022 9:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $500.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 35651589Z

Severity: CLASS - 1 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $2,500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD , ROSLYN , NY 11576

Violation Details

Violation Date: 06/07/2022 **Violation Type:** CONSTRUCTION

Served Date: 06/07/2022 **Inspection Unit:** FACADE INSPECTION AND AUDIT UNIT

Infraction Codes	Section of Law	Standard Description
187	28-201.1	UNLAWFUL ACTS. FAILURE TO COMPLY WITH COMMISSIONER'S ORDER

Specific Violation Condition(s) and Remedy:

UNLAWFUL ACTS.FAILURE TO COMPLY WITH COMMISSIONER'S ORDER NOTE:PREVIOUSLY WRITTEN ECB#35651235L & 35651236N DATED ON 04-20-2022 REQUIRES RESPONDENT TO MAINTAIN THEIR BUILDING AND PROVIDE SAFETY MEASURES.HOWEVER

Issuing Inspector ID: 3240 **DOB Violation Number:** 06072022LLFAMB03

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 11/02/2022 8:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $2,500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $2,500.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 35651587P

Severity: CLASS - 1 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $25,000.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD , ROSLYN , NY 11576

Violation Details

Violation Date: 06/07/2022 **Violation Type:** CONSTRUCTION

Served Date: 06/07/2022 **Inspection Unit:** FACADE INSPECTION AND AUDIT UNIT

Infraction Codes	Section of Law	Standard Description
131	BC 3307.3.1 (2008 CODE), 2	FAILURE TO PROVIDE SIDEWALK SHED WHERE REQUIRED

Specific Violation Condition(s) and Remedy:

FAILURE TO PROVIDE SIDEWALK SHED WHERE REQUIRED NOTE:RESPONDENT FAILEDTO CORRECT PREVIOUSLY ISSUED ECB#35651236N DATED ON 04-20-2022 WHICH REQUIRES OWNER-RESPONDENT TO PROVIDE SAFETY MEASURES TO PROTECT THE RES

Issuing Inspector ID: 3240 **DOB Violation Number:** 06072022LLFAMB01

Issued as Aggravated Level: AGGRAVATED OFFENSE LEVEL 2

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 11/02/2022 8:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $25,000.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $25,000.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 35651236N

Severity: CLASS - 1 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $25,000.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD , ROSLYN , NY 11576

Violation Details

Violation Date: 04/20/2022 **Violation Type:** CONSTRUCTION

Served Date: 04/22/2022 **Inspection Unit:** FACADE INSPECTION AND AUDIT UNIT

Infraction Codes	Section of Law	Standard Description
131	BC 3307.3.1 (2008 CODE), 2	FAILURE TO PROVIDE SIDEWALK SHED WHERE REQUIRED

Specific Violation Condition(s) and Remedy:

FAILURE TO PROVIDE SIDEWALK SHED WHERE REQUIRED AS NOTED:AT TIME OF INSPECTION I OBSERVE DEFECTIVE HAZARDOUS CONDITION ON BALCONIES AND NO SIDEWALK SHED OR SAFETY MEASURES.MEASURES WERE IN PLACE TO PROTECT THE

Issuing Inspector ID: 2786 **DOB Violation Number:** 04202022LL13RF1

Issued as Aggravated Level: AGGRAVATED OFFENSE LEVEL 2

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 09/14/2022 8:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $25,000.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $25,000.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 35640583Y

Severity: CLASS - 1 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $2,500.00 **Hearing Status:** IN VIOLATION

Respondent Information

Name: SEA PARK NORTH HOUSING

Mailing Address: 1044 NORTHERN BLVD , ROSLYN , NY 11576

Violation Details

Violation Date: 12/15/2021 **Violation Type:** CONSTRUCTION

Served Date: 12/15/2021 **Inspection Unit:** FACADE INSPECTION AND AUDIT UNIT

Infraction Codes	Section of Law	Standard Description
104	28-302.1	FAILURE TO MAINTAIN BUILDING WALL(S) OR APPURTENANCES

Specific Violation Condition(s) and Remedy:

FAILURE TO MAINTAIN EXTERIOR BLDG FACADE&APPURTENANCES.@E ELEVATION,EXP1 OBSERVED MULTIPLE SPALLED CONCRETE BALCONY SLABS.ALSO OBSERVED@E&SELEVATIONS (EXP1,2) DAMAGED MORTAR JOINTS@MULTIPLE LOCATIONS.MAINTAIN

Issuing Inspector ID: 3344 **DOB Violation Number:** 121521LLFAMH02

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 08/01/2022 8:30 **Hearing Status:** IN VIOLATION

OATH/ECB Penalty Information

Penalty Imposed: $2,500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $2,500.00

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28TH STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

View Permit History

DOB NOW: *Inspections*

Job No:	320925843			**Fee:**	STANDARD
Permit No:	320925843-01-EW-FB-OIL	**Issued:**	09/29/2015	**Expires:**	05/01/2016
Seq. No.:	02	**Filing Date:**	09/29/2015 ERENEWAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/15/2014	**Work Approved:**	04/24/2014

ALTERATION TYPE 2 - FUEL BURNING

FILING FOR FUEL BURNER AND FUEL STORAGE IN CONJUNCTION WITH ALT2 #320873621

Use: J-2 - RESIDENTIAL APT HOUSE **Landmark:** NO **Stories:** 15

Site Fill: NOT APPLICABLE

Review is requested under Building Code: 2008

Issued to: RICHARD BONELLI **OIL BURNER INSTALLER B**

Business: BONDEE ENTERPRISES INC **License No:** OB 005087

151-01 14TH AVENUE WHITESTONE NY 11357 **Phone:** 718-767-8600

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 ST BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

View Permit History

DOB NOW: *Inspections*

Job No:	320873621			**Fee:**	STANDARD
Permit No:	320873621-01-EW-BL	**Issued:**	09/29/2015	**Expires:**	05/01/2016
Seq. No.:	03	**Filing Date:**	09/29/2015 ERENEWAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	02/24/2014	**Work Approved:**	09/13/2013

ALTERATION TYPE 2 - BOILER

FILING FOR INSTALLATION OF TWO BOILERS AND REPLACEMENT OF TWO BOILERS AS PER PLANS FILED HEREWITH. NO CHANGE IN EGRESS, USE OR OCCUPANCY.

Use: J-2 - RESIDENTIAL APT HOUSE **Landmark:** NO **Stories:** 15

Site Fill: NOT APPLICABLE

Review is requested under Building Code: 1968

Issued to: RUDOLPH BONELLI **MASTER PLUMBER**

Business: BONDEE ENTERPRISES INC **License No:** MP 009472

151-01 14TH AVENUE WHITESTONE NY 11357 **Phone:** 718-767-8600

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301977788			**Fee:**	STANDARD
Permit No:	301977788-01-EW-FS	**Issued:**	07/20/2005	**Expires:**	01/01/2006
Seq. No.:	01	**Filing Date:**	07/20/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	07/20/2005	**Work Approved:**	07/12/2005

ALTERATION TYPE 2 - FUEL STORAGE
ABANDON BURIED 10,000 GALLON FUEL OIL TANK. INSTALL REPLACEMENT 7098 GALLON RECTANGULAR ABOVEGROUND FUEL OIL TANK. NO CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.

Use: J-2 - RESIDENTIAL APT HOUSE **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: JEFFREY SOLOMON
Business: ABILENE INC
2402 NEPTUNE AVE BK NY 11224

OIL BURNER INSTALLER A
License No: OB 002693
Phone: 718-372-4210

Filing Represntative: PETER/LANETTE MOSKOVER/SIMON
Business: D & D EXPEDITOR
211 NEPTUNE AVE LINDENHURST NY 11757

Phone: 631-957-9770

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301946278			**Fee:**	STANDARD
Permit No:	301946278-02-EW-FB-OIL	**Issued:**	05/09/2005	**Expires:**	09/30/2005
Seq. No.:	01	**Filing Date:**	05/09/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/09/2005	**Work Approved:**	05/06/2005

ALTERATION TYPE 2 - FUEL BURNING
REPLACE 2 LOW PRESSURE BOILERS AND GAS O IL BURNERS ALL PLUMBING WORK UN
ER DOC 01 OF THIS APPLICATION

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RICHARD BONELLI **OIL BURNER INSTALLER B**

Business: RANSHAW FUEL PLBG & HTG **License No:** OB 005087

151 01 14 AVE WHITESTONE NY 11357 **Phone:** 718-767-8600

Filing Represntative: ALEXANDER WEISS

Business: WEISS CONSULTANTS **Phone:** 917-202-5288

8 BERGEN BEACH PLACE BK NY 11234

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301946278			**Fee:**	STANDARD
Permit No:	301946278-02-EW-BL	**Issued:**	05/09/2005	**Expires:**	09/30/2005
Seq. No.:	01	**Filing Date:**	05/09/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/09/2005	**Work Approved:**	05/06/2005

ALTERATION TYPE 2 - BOILER
REPLACE 2 LOW PRESSURE BOILERS AND GAS O IL BURNERS ALL PLUMBING WORK UN
ER DOC 01 OF THIS APPLICATION

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RICHARD BONELLI **OIL BURNER INSTALLER B**
Business: RANSHAW FUEL PLBG & HTG **License No:** OB 005087
151 01 14 AVE WHITESTONE NY 11357 **Phone:** 718-767-8600

Filing Represntative: ALEXANDER WEISS
Business: WEISS CONSULTANTS **Phone:** 917-202-5288
8 BERGEN BEACH PLACE BK NY 11234

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301946278			**Fee:**	STANDARD
Permit No:	301946278-01-EW-BL	**Issued:**	05/09/2005	**Expires:**	09/30/2005
Seq. No.:	01	**Filing Date:**	05/09/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/09/2005	**Work Approved:**	05/06/2005

ALTERATION TYPE 2 - BOILER
INSTALL 3 NEW GAS FIRED DIRECT VENTED DH W BOILERS NEW GAS PIPING AND CO
ECT TO EXISTING GAS SERVICE MAKE FINAL C ONECTION TO 2 REPLACEMENT GAS/OIL BURNE
S FILED UNDER DOC 02 OF THIS PPLICATION

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RICHARD BONELLI **MASTER PLUMBER**
Business: RANSHAW FUEL PLBG & HTG **License No:** MP 009472
151 01 14 AVE WHITESTONE NY 11357 **Phone:** 718-767-8600

Filing Represntative: ALEXANDER WEISS
Business: WEISS CONSULTANTS **Phone:** 917-202-5288
8 BERGEN BEACH PLACE BK NY 11234

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 **Block: 7011 Lot: 11** **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301946278			**Fee:**	STANDARD
Permit No:	301946278-01-EW-MH	**Issued:**	05/09/2005	**Expires:**	09/30/2005
Seq. No.:	01	**Filing Date:**	05/09/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/09/2005	**Work Approved:**	05/06/2005

ALTERATION TYPE 2 - MECH/HVAC
INSTALL 3 NEW GAS FIRED DIRECT VENTED DH W BOILERS NEW GAS PIPING AND CO
ECT TO EXISTING GAS SERVICE MAKE FINAL C ONECTION TO 2 REPLACEMENT GAS/OIL BURNE
S FILED UNDER DOC 02 OF THIS PPLICATION

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RICHARD BONELLI

GENERAL CONTRACTOR - NON-REGISTERED: GC 000477

Business: RANSHAW FUEL PLBG & HTG
151 01 14 AVE WHITESTONE NY 11357

Phone: 718-767-8600

Filing Represntative: ALEXANDER WEISS
Business: WEISS CONSULTANTS
8 BERGEN BEACH PLACE BK NY 11234

Phone: 917-202-5288

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301638119			**Fee:**	STANDARD
Permit No:	301638119-01-EW-FS	**Issued:**	12/16/2003	**Expires:**	01/03/2004
Seq. No.:	01	**Filing Date:**	12/16/2003 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	12/16/2003	**Work Approved:**	11/26/2003

ALTERATION TYPE 2 - FUEL STORAGE
LEGALIZE 10,000 GALLO OIL TANK.

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RONALD BARBARIA
Business: HI TECH HEATING CORP
431 EAST 165 ST BX NY 10456

OIL BURNER INSTALLER B
License No: OB 005292
Phone: 718-742-9615

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301575418			**Fee:**	EXEMPT
Permit No:	301575418-02-EW-MH	**Issued:**	11/18/2005	**Expires:**	01/01/2006
Seq. No.:	01	**Filing Date:**	11/18/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	11/18/2005	**Work Approved:**	07/31/2003

ALTERATION TYPE 2 - MECH/HVAC
Herewith filing mechanical, plumbing and boiler related to renovation of building. Install new boilers, install new heating risers, baseboard radiators per plans.

Use: J-2 - RESIDENTIAL APT HOUSE **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: SOL ARKER

GENERAL CONTRACTOR: GC 022609

Business: EMPIRE DVLPRS CORP
930 BROADWAY WOODMERE NY 11598

Phone: 516-374-3336

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Boiler Details

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB NOW: *Inspections*

Boiler-No: 48934 **Serial-No:** 04 **Type:** MULT DWELL LOW PRESSURE
Boiler Status: ACTIVE **Review Required:** No

Filed At: 2828 WEST 28 STREET **BIN: 3259642 BBL: 3-07011-00011**

Located in: 1ST FLOOR
Make of Boiler: AERCO **Year:** 2015
Over6: No **No-of-Boilers:** 04
Fee: Yes **School:** No

The below information does not include 2017 Boiler Inspection Cycle compliance filings submitted after August 14, 2017; use the DOB NOW Public Portal to access DOB NOW records.

INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
11/04/2016	11/16/2016	03/29/2017	ONECIS INSURANCE		NO DEFECTS	11422
09/24/2014	11/03/2014	11/20/2014	FACTORY MUTUAL		NO DEFECTS	5457
10/01/2014	10/16/2014	10/27/2014	FACTORY MUTUAL		NO DEFECTS	5457
09/03/2013	09/18/2013	10/07/2013	FACTORY MUTUAL		NO DEFECTS	5338
06/19/2012	06/29/2012	09/03/2012	FACTORY MUTUAL		NO DEFECTS	5338
11/10/2011	11/18/2011	05/12/2012	SMITH GEORGE		NO DEFECTS	O 5267
02/02/2011	01/04/2012	01/29/2012	HACHMANN JOHN		NO DEFECTS	O 005273
04/27/2010	06/29/2010	07/06/2010	HACHMANN JOHN		NO DEFECTS	O 005273
10/21/2008	11/27/2009	03/08/2010	MARCHESE PHILIP		NO DEFECTS	P 1575
01/12/2009	02/27/2009	02/27/2009	HACHMANN JOHN		NO DEFECTS	O 005273
11/02/2007	11/16/2007	11/27/2007	SMITH GEORGE		NO DEFECTS	O 5267
04/27/2006	10/05/2006	12/07/2006	TUCCI JR BRUNO		NO DEFECTS	O 5325
08/08/2005	09/21/2005	10/14/2005	TUCCI JR BRUNO		DEFECTS EXIST	O 5325

12/03/2015	DEVITO 2300 (MS)	F/T PASSED 320873621
11/19/2015	DEVITO 2300 KM	FAILED F/T 320873621
05/01/2015	DEVITO 2300 KM	FAILED F/T 320873621
01/17/2006	WOODS/WARSHALL (TS)	F/T PASSED 301946278

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Boiler Details

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB NOW: *Inspections*

Boiler-No: 48934 **Serial-No:** 03 **Type:** MULT DWELL LOW PRESSURE
Boiler Status: ACTIVE **Review Required:** No

Filed At: 2828 WEST 28 STREET **BIN: 3259642 BBL: 3-07011-00011**

Located in: 1ST FLOOR
Make of Boiler: AERCO **Year:** 2015
Over6: No **No-of-Boilers:** 04
Fee: Yes **School:** No

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INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
11/04/2016	11/16/2016	03/29/2017	ONECIS INSURANCE		NO DEFECTS	11422
09/24/2014	11/03/2014	11/20/2014	FACTORY MUTUAL		NO DEFECTS	5457
10/01/2014	10/16/2014	10/27/2014	FACTORY MUTUAL		NO DEFECTS	5457
09/03/2013	09/18/2013	10/07/2013	FACTORY MUTUAL		NO DEFECTS	5338
06/19/2012	06/29/2012	09/03/2012	FACTORY MUTUAL		NO DEFECTS	5338
11/10/2011	11/18/2011	05/12/2012	SMITH GEORGE		NO DEFECTS	O 5267
02/02/2011	01/04/2012	01/29/2012	HACHMANN JOHN		NO DEFECTS	O 005273
04/27/2010	06/29/2010	07/06/2010	HACHMANN JOHN		NO DEFECTS	O 005273
10/21/2008	11/27/2009	03/08/2010	MARCHESE PHILIP		NO DEFECTS	P 1575
01/12/2009	02/27/2009	02/27/2009	HACHMANN JOHN		NO DEFECTS	O 005273
11/02/2007	11/16/2007	11/27/2007	SMITH GEORGE		NO DEFECTS	O 5267
04/27/2006	10/05/2006	12/07/2006	TUCCI JR BRUNO		NO DEFECTS	O 5325
08/08/2005	09/21/2005	10/14/2005	TUCCI JR BRUNO		DEFECTS EXIST	O 5325

12/03/2015	DEVITO 2300 (MS)	F/T PASSED 320873621
11/19/2015	DEVIOT 2300 KM	FAILED F/T 320873621
05/01/2015	DEVITO 2300 KM	FAILED F/T 320873621
01/17/2006	WOODS/WARSHALL (TS)	F/T PASSED 301946278

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Boiler Details

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB NOW: *Inspections*

Boiler-No: 48934 **Serial-No:** 01 **Type:** MULT DWELL LOW PRESSURE
Boiler Status: ACTIVE **Review Required:** No

Filed At: 2828 WEST 28 STREET **BIN: 3259642 BBL: 3-07011-00011**

Located in: 1ST FLOOR
Make of Boiler: FEDERAL **Year:** 2015
Over6: No **No-of-Boilers:** 04
Fee: Yes **School:** No

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INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
11/04/2016	11/16/2016	03/29/2017	ONECIS INSURANCE		NO DEFECTS	11422
10/01/2014	10/16/2014	10/27/2014	FACTORY MUTUAL		NO DEFECTS	5457
06/19/2012	06/29/2012	09/03/2012	FACTORY MUTUAL		NO DEFECTS	5338
11/10/2011	11/17/2011	05/10/2012	SMITH GEORGE		NO DEFECTS	O 5267
02/02/2011	01/04/2012	01/29/2012	HACHMANN JOHN		NO DEFECTS	O 005273
04/27/2010	06/29/2010	07/06/2010	HACHMANN JOHN		NO DEFECTS	O 005273
10/21/2008	11/27/2009	03/08/2010	MARCHESE PHILIP		NO DEFECTS	P 1575
01/12/2009	02/27/2009	02/27/2009	HACHMANN JOHN		NO DEFECTS	O 005273
11/02/2007	11/16/2007	11/27/2007	SMITH GEORGE		NO DEFECTS	O 5267
04/27/2006	10/05/2006	12/07/2006	TUCCI JR BRUNO		NO DEFECTS	O 5325
08/08/2005	09/21/2005	10/14/2005	TUCCI JR BRUNO		DEFECTS EXIST	O 5325
08/11/2004	08/16/2004	09/10/2004	DINARO JAMES		NO DEFECTS	O 5287
11/07/2002	12/16/2002	12/19/2002	THE HARTFORD STEAM BLR INSP INS		DEFECTS EXIST	2763
11/06/2001	12/19/2001	01/23/2002	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	4081
08/16/2000	12/29/2000	01/16/2001	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	4081
03/16/1999	05/10/1999	05/11/1999	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5246
08/18/1998	11/04/1998	11/06/1998	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5246
12/01/1997	12/24/1997	02/10/1998	BELOKOSTOLSKY DENIS		NO DEFECTS	B 18503
11/12/1997	12/12/1997	02/02/1998	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5128
12/01/1996	12/09/1996	12/09/1996	MURTHA ROBERT		NO DEFECTS	O 5146
07/17/1995	08/24/1995	09/19/1995	MURTHA ROBERT		NO DEFECTS	O 5146
10/05/1994	11/16/1994	12/17/1994	BURGESS RHODINE		NO DEFECTS	B 16664
11/09/1992	02/01/1993	04/15/1993	THE HARTFORD STEAM BOILER		NO DEFECTS	4081
12/22/1992	02/02/1993	04/09/1993	RHODINE BURGESS		NO DEFECTS	B 16664

12/03/2015	DEVITO 2300 (MS)	F/T PASSED 320873621
11/19/2015	DEVITO 2300 KM	FAILED F/T 320873621
05/01/2015	DEVITO 2300 KM	FAILED F/T 320873621
01/17/2006	WOODS/WARSHALL (TS)	F/T PASSED 301946278
08/09/2005	FRANK 1129 (ZJ)	F/T FAILED 301946278

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Boiler Details

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB NOW: *Inspections*

Boiler-No: 48934 **Serial-No:** 02 **Type:** MULT DWELL LOW PRESSURE
Boiler Status: ACTIVE **Review Required:** No

Filed At: 2828 WEST 28 STREET **BIN: 3259642 BBL: 3-07011-00011**

Located in: 1ST FLOOR
Make of Boiler: FEDERAL **Year:** 2015
Over6: No **No-of-Boilers:** 04
Fee: No **School:** No

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INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
11/04/2016	11/16/2016	03/29/2017	ONECIS INSURANCE		NO DEFECTS	11422
10/01/2014	10/16/2014	10/27/2014	FACTORY MUTUAL		NO DEFECTS	5457
06/19/2012	06/29/2012	09/03/2012	FACTORY MUTUAL		NO DEFECTS	5338
11/10/2011	11/18/2011	05/12/2012	SMITH GEORGE		NO DEFECTS	O 5267
02/02/2011	01/04/2012	01/29/2012	HACHMANN JOHN		NO DEFECTS	O 005273
04/27/2010	06/29/2010	07/06/2010	HACHMANN JOHN		NO DEFECTS	O 005273
10/21/2008	11/27/2009	03/08/2010	MARCHESE PHILIP		NO DEFECTS	P 1575
01/12/2009	02/27/2009	02/27/2009	HACHMANN JOHN		NO DEFECTS	O 005273
11/02/2007	11/16/2007	11/27/2007	SMITH GEORGE		NO DEFECTS	O 5267
04/27/2006	10/05/2006	12/07/2006	TUCCI JR BRUNO		NO DEFECTS	O 5325
08/08/2005	09/21/2005	10/14/2005	TUCCI JR BRUNO		DEFECTS EXIST	O 5325
08/11/2004	08/16/2004	09/10/2004	DINARO JAMES		NO DEFECTS	O 5287
11/07/2002	12/16/2002	12/19/2002	THE HARTFORD STEAM BLR INSP INS		DEFECTS EXIST	2763
11/06/2001	12/19/2001	01/23/2002	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	4081
08/16/2000	12/29/2000	01/16/2001	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	4081
03/16/1999	05/10/1999	05/11/1999	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5246
08/18/1998	11/04/1998	11/06/1998	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5246
12/01/1997	12/24/1997	02/10/1998	BELOKOSTOLSKY DENIS		NO DEFECTS	B 18503
11/12/1997	12/12/1997	02/02/1998	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5128
12/01/1996	12/09/1996	12/09/1996	MURTHA ROBERT		NO DEFECTS	O 5146
07/17/1995	08/24/1995	09/19/1995	MURTHA ROBERT		NO DEFECTS	O 5146
10/05/1994	11/16/1994	12/17/1994	BURGESS RHODINE		NO DEFECTS	B 16664
11/09/1992	02/01/1993	04/15/1993	THE HARTFORD STEAM BOILER		NO DEFECTS	4081
12/22/1992	02/02/1993	04/09/1993	RHODINE BURGESS		NO DEFECTS	B 16664

12/03/2015	DEVITO 2300 (MS)	F/T PASSED 320873621
11/19/2015	DEVITO 2300 KM	FAILED F/T 320873621
05/01/2015	DEVITO2300 JR	FIRST TEST SEALED
01/17/2006	WOODS/WARSHALL (TS)	F/T PASSED 301946278
08/09/2005	FRANK 1129 (ZJ)	F/T FAILED 301946278

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***Premise House# :**	
***Premise Street :**	
***Premise Borough :**	-- Select Borough --
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4 records found.

House	Street	Borough	Premise	Owner	Status	ApplicationID
2828	WEST 28 STREET	BROOKLYN		SEA PARK WEST APARTMENTS	Cancelled	CA223890
2828	WEST 28 STREET	BROOKLYN	SEA PARK NORTH LP	SEA PARK NORTH LP % PROGRESSIVE MGMT	CURRENT	CB066205
2828	WEST 28 STREET	BROOKLYN	SEA PARK NORTH LP	SEA PARK LP - PROGESSIVE MANAGEMENT	CURRENT	CB067305

2828	WEST 28 STREET	BROOKLYN		GRENADIER REALTY CORP	Cancelled	CA014693

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NYC DEP CATS Information

PREMISES: 2828 WEST 28 STREET BROOKLYN BIN: 259642 BLOCK: 07011 LOT: 0011				
Owner: SEA PARK WEST APARTMENTS	**Application #:** CA223890	**Type:** CERTIFICATE TO OPERATE - BOILER	**Expiration Date:** 11/27/2003	
Business Type: NA	**Request Type:** Cancellation	**Status:** CANCELLED	**Submitted Date:** NA	**Decision Date:** 6/8/1990
Boiler Make / Model: FEDERAL ALWG-2-141 / FEDERAL ALWG-2-141	**Fuel Type 1:** NO2FUEL	**Fuel Type 2:** NATURALGAS	**Heat Input (Million BTU/Hr.):** 9.52	
Burner Make / Model: POWERFLAME C4GO30 / POWERFLAME C4GO30	**Number of Identical Units:** 1			
	AKA : 2826 WEST 28 STREET BROOKLYN | 2878 WEST 28 STREET BROOKLYN | WEST 29 STREET BROOKLYN | NEPTUNE AVENUE BROOKLYN			

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NYC DEP CATS Information

PREMISES: 2828 WEST 28 STREET BROOKLYN BIN: 259642 BLOCK: 07011 LOT: 0011				
Owner: SEA PARK NORTH LP	**Application #:** CB066205	**Type:** REGISTRATION - BOILER	**Expiration Date:** 8/5/2023	
Business Type: NA	**Request Type:** Renewal - Boiler	**Status: CURRENT**	**Submitted Date:** 5/29/2020	**Decision Date:** 6/8/2020
Boiler Make / Model: AERCO / BMK 2.0 (NEW)	**Fuel Type 1:** NATURALGAS	**Fuel Type 2:** NONE	**Heat Input (BTU/Hr.):** 2000000	
Burner Make / Model: AERCO / BMK 2.0 (NEW)	**Number of Identical Units:** 2			
	AKA : 2826 WEST 28 STREET BROOKLYN | 2878 WEST 28 STREET BROOKLYN | WEST 29 STREET BROOKLYN | NEPTUNE AVENUE BROOKLYN			

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PREMISES: 2828 WEST 28 STREET BROOKLYN BIN: 259642 BLOCK: 07011 LOT: 0011				
Owner: SEA PARK LP -PROGESSIVE MANAGEMENT	**Application #:** CB067305	**Type:** CERTIFICATE TO OPERATE - BOILER	**Expiration Date:** 1/4/2024	
Business Type: NA	**Request Type:** Inspection Request Renewal CO	**Status: CURRENT**	**Submitted Date:** 3/8/2021	**Decision Date:** 5/19/2021
Boiler Make / Model: FEDERAL / PLW-132	**Fuel Type 1:** NATURALGAS	**Fuel Type 2:** NO2FUEL	**Heat Input (Million BTU/Hr.):** 5.25	
Burner Make / Model: INDUSTRIAL COMBUSTION / MMG-54P	**Number of Identical Units:** 2			
	AKA : 2826 WEST 28 STREET BROOKLYN | 2878 WEST 28 STREET BROOKLYN | WEST 29 STREET BROOKLYN | NEPTUNE AVENUE BROOKLYN			

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PREMISES: 2828 WEST 28 STREET BROOKLYN BIN: 259642 BLOCK: 07011 LOT: 0011				
Owner: GRENADIER REALTY CORP	**Application #:** CA014693	**Type:** REGISTRATION - BOILER	**Expiration Date:** 1/29/1996	
Business Type: NA	**Request Type:** Cancellation - Boiler Registration	**Status: CANCELLED**	**Submitted Date:** NA	**Decision Date:** 1/25/1993
Boiler Make / Model: A.O. SMITH (EXISTING) BTP-400-1000 / A.O. SMITH (EXISTING) BTP-400-1000	**Fuel Type 1:** NATURALGAS	**Fuel Type 2:** NONE	**Heat Input (BTU/Hr.):** 0	
Burner Make / Model: INTEGRAL / INTEGRAL	**Number of Identical Units:** 1			
	AKA : 2826 WEST 28 STREET BROOKLYN | 2878 WEST 28 STREET BROOKLYN | WEST 29 STREET BROOKLYN | NEPTUNE AVENUE BROOKLYN			

APPENDIX G

PROJECT PERSONNEL QUALIFICATIONS

HILLMANN
CONSULTING

Etan Hindin

Senior Project Manager

EDUCATION:

B.S. Biology, Bar Ilan University, Ramat Gan, Israel

CERTIFICATIONS:

US EPA AHERA Asbestos Inspector

New York State Asbestos Project Monitor

New York State Air Sampling Technician

NJDEP GIS Training

Environmental Audit and Site Assessments (Rutgers NJAES)

40-hr OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) Training

8-hr OSHA HAZWOPER Refresher Training

YEARS OF EXPERIENCE:

With Hillmann: 4 year

Total: 14 years

PROFESSIONAL EXPERIENCE:

As a Senior Project and Account Manager, Mr. Etan Hindin advises private and public sector clients on a broad range of environmental projects including due diligence (Phase I and II), regulatory compliance, HSE audits, soil and groundwater remediation, and mold investigations and asbestos surveys. Mr. Hindin is responsible for proposing project services, bidding, managing projects, and meeting with clients.

Mr. Hindin has conducted Phase I's of commercial and industrial sites throughout the country and has provided EH&S consulting to Fortune 500 companies. He is particularly well versed in environmental, health and safety regulations and he strives to provide creative, effective, and efficient solutions to complex environmental problems.

Representative experience includes:

Enviro-Sciences (of Delaware), Inc.: From 2011 to 2018, Mr. Hindin served as a Project Manager at Enviro-Sciences (of Delaware), Inc. where he designed sampling programs, oversaw abatement projects, and performed clearance sampling for mold and asbestos. He also managed environmental due diligence projects of commercial and industrial sites, throughout the US. Mr. Hindin often trained entry-level consultants in database review, report writing, and assessment protocols while working to improve report templates to comply with changing regulations and ASTM standards.

NJDEP Watershed Ambassadors Program: From 2010 to 2011, Mr. Hindin worked as a New Jersey Watershed Ambassador for the NJDEP where he monitored water quality utilizing NJDEP protocols and online reporting software, utilized GIS, NJGeoWeb, and DataMiner to research assigned water bodies and surrounding areas. Mr. Hindin also presented on watershed management, resource conservation, sustainability, and environmental regulations.

HILLMANN
CONSULTING

Dominick Aponte

Environmental Scientist

EDUCATION:

B.A. Biological Sciences, Rowan University

CERTIFICATIONS:

40-hr OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) Training

DOT HAZMAT Advanced General Awareness Training

First Aid/CPR Certified

RCRA Hazardous Waste Generator Training

YEARS OF EXPERIENCE:

With Hillmann: 1 year

Total: 4 years

PROFESSIONAL EXPERIENCE:

As an Environmental Scientist, Mr. Aponte advises private and public sector clients on a broad range of environmental projects including due diligence (Phase I and II), regulatory compliance, HSE audits, soil and groundwater remediation, and mold investigations and asbestos surveys.

Mr. Aponte has conducted Phase I's of commercial and industrial sites throughout the country and has provided EH&S consulting to Fortune 500 companies. He is well versed in environmental health and safety regulations and he strives to provide creative, effective, and efficient solutions to complex environmental problems.

Representative experience includes:

RU2 Engineering.: Mr. Aponte worked as an Environmental Scientist for RU2 Engineering where he conducted and oversaw field sampling events for soil and groundwater. In his position, Mr. Aponte was responsible for the oversight of UST closures.

Envocare: Working as an Environmental Scientist for Envocare in Somerset, NJ, Mr. Aponte prepared reports and data tables for clients. He was responsible for field sampling with a concentration on soil, groundwater, and vapor intrusion. Mr. Aponte oversaw subcontractors and remediation projects as well as overseeing disposal of contaminated soil.

Arecon LTD: As an Environmental Scientist for Arecon LTD in Hamilton, NJ, Mr. Aponte prepared reports and data tables for clients. He was responsible for field sampling of soil and groundwater. Mr. Aponte oversaw subcontractors and remediation projects as well as overseeing disposal of contaminated soil.

Certified Environmental Contractors: Mr. Aponte worked as a Staff Scientist for Certified Environmental Contractors from 2017 to 2018 where he supervised the UST excavation of residential UHOT sites. He performed sampling of soil and groundwater and assisted in the preparation of reports.

HILLMANN CONSULTING

Chris Hirschmann, CHMM

Director, Site Investigation & Remediation Services

EDUCATION:

B.S. Environmental Science, Cornell University

M.S., Environmental Science, NJIT – Rutgers University

CERTIFICATION:

OSHA 40-Hour HAZWOPER

OSHA HAZWOPER Supervisor

OSHA 10-Hour Construction

Certified Hazardous Materials Manager (CHMM) #14701

NJDEP Subsurface Evaluator #572258

Hazardous Waste Management Certification

Site Remediation Basics Certification

New York City Office of Environmental Remediation (NYCOER) Brownfield Certification (TurboTraining)

OSHA 30-Hour 1910 General Industry Training

YEARS OF EXPERIENCE:

With Hillmann: 12

Total: 14

PROFESSIONAL EXPERIENCE:

Mr. Hirschmann is currently the Director, Site Investigation & Remediation Services at Hillmann Consulting, LLC. As such, he is responsible for managing and implementing soil, groundwater, and soil vapor subsurface investigations and remediation; regulatory compliance; storage tank closure and install; and third party document review.

Mr. Hirschmann has extensive experience in evaluating and investigating sites for subsurface contamination and instituting remedial activities for commercial and industrial properties (including City & State regulatory & brownfield programs). He also performs SPCC plan preparation and hazardous materials management; and performs Phase I environmental site assessments to meet due diligence requirements under CERCLA, including the quality assurance of technical reports.

Representative experience includes:

The Doe Fund, Bronx, NY:

Identified as a spill case with confirmed soil, groundwater and soil/vapor contamination with the New York State Department of Environmental Conservation (NYSDEC) and brownfield and e-designation site with New York State Office of Environmental Remediation (NYCOER). Mr. Hirschmann functioned as the project director for Hillmann and prepared the remedial investigation work plan (RIWP), conducted remedial investigation activities and prepared a Remedial Investigation Report (RIR). Based on the RIR Hillmann prepared a Remedial Action Work Plan (RAWP) that was subsequently approved by the NYSDEC and NYCOER. Under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities, including implementation of a Community Air Monitoring Plan, during site redevelopment activities.

Women in Need, Brooklyn, NY:

Identified as an e-designation and brownfield case with soil and soil/vapor contamination with NYCOER. Mr. Hirschmann functioned as the project director for Hillmann and prepared the remedial investigation work plan (RIWP), conducted remedial investigation activities and prepared a Remedial Investigation Report (RIR). Based on the RIR Hillmann designed and prepared a Remedial Action Work Plan (RAWP) that was subsequently approved by the NYCOER. Under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities during site redevelopment activities.

TLK Manor, Bronx, NY:

Identified as a contaminated property under the purview of NYCDEP, Hillmann provided investigation and remediation services related to redevelopment activities. Mr. Hirschmann functioned as the project director and conducted the remedial investigation and prepared a Remedial Action Work Plan based on the results of the soil, groundwater and soil/vapor investigation. During redevelopment

HILLMANN CONSULTING

activities, under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities including implementation of a Community Air Monitoring Plan.

BP Real Estate Fund, Queens, NY

Hillmann was retained to address the e-designation on the property for hazardous materials prior to redevelopment activities. Mr. Hirschmann functioned as the project director and prepared a Remedial Investigation Workplan, conducted the Remedial Investigation soil, groundwater and soil vapor sampling activities and issued the Remedial Investigation Report to the NYCOER. The NYCOER subsequently removed the e-designation from the property after review and approval of project documents.

AIG, Bernardsville, NJ:

The Property had a leaking underground storage tank (UST) identified as a spill case with the New Jersey Department of Environmental Protection (NJDEP) and contained widespread soil and groundwater contamination. Hillmann provided investigation and remedial activities at the site including: delineation of soil and groundwater contamination, preparation of remedial action plans for the NJDEP, enhanced fluid recovery for groundwater remediation, injection remediation of groundwater including chemical oxidation material and microbe material to break down and remediate the elevated contaminants found in the groundwater. Mr. Hirschmann was the project manager and NJDEP certified Subsurface Evaluator for the remedial activities.

City of Newark, New Jersey:

Hillmann provided investigation and remediation activities for five City owned brownfield properties. Mr. Hirschmann functioned as the project manager for oversight, design, implementation and management of soil and groundwater remedial investigations at the properties.

Unique People Services, Bronx, New York

Identified as a contaminated property under the purview of NYCDEP, Hillmann provided investigation and remediation services related to redevelopment activities. Mr. Hirschmann functioned as the project director and conducted the remedial investigation and prepared a Remedial Action Work Plan based on the results of the soil, groundwater and soil/vapor investigation. During redevelopment activities, under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities including implementation of a Community Air Monitoring Plan.

Notias Construction, NY, NY:

Hillmann provided environmental investigation activities for 5 separate sites in Manhattan, NY. Mr. Hirschmann functioned as the project manager and prepared Phase II Investigation workplans for soil and soil-vapor sampling, directed site investigation activities and prepared Remedial Investigation Reports for each site. Where

HILLMANN CONSULTING

contamination was identified, Mr. Hirschmann prepared Remedial Action Work Plans for slated redevelopment activities.

AIG: Northeastern States: Hillmann provides ongoing environmental consulting for this client including decommissioning of fuel oil storage tanks, investigation and remediation of fuel oil contaminated soil and groundwater. Mr. Hirschmann provides third-party oversight on behalf of this client to ensure the contractors/consultants onsite are performing project activities in accordance with industry and regulatory protocol. When applicable on certain projects, Mr. Hirschmann will also direct full remedial investigation and remedial activities as the project manager.

HILLMANN
CONSULTING

September 27th, 2022

Mr. Adam Sussi
TerreAlto
627 Carroll Street
Brooklyn, NY 11215

Re: Due Diligence Soil Sample Collection
2828 West 28th Street
Brooklyn, NY 11224
Hillmann Project No: Z34991.3

Dear Mr. Sussi,

As requested, Hillmann Consulting, LLC mobilized to the site to collect due diligence soil samples during geotechnical boring activities. Three (3) soil samples were collected from onsite borings advanced by the geotechnical contractor. The samples were labeled as SB1A, SB2, and SB3 and collected from 4.5 – 6.5 feet below ground surface. Locations of the borings are shown on the attached diagram.

Soil samples were placed in laboratory approved containers and kept cool during transport to a New York certified laboratory under chain of custody protocol. All samples were submitted for laboratory analysis of the Target Analyte List/Target Compound List which includes: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), TAL metals, pesticides, and polychlorinated biphenyls (PCBs).

RESULTS

The soil samples were compared to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use (UU) and Restricted Residential Use (RRU) Soil Cleanup Objectives (SCOs). Laboratory results did not indicate any exceedances above the RRUSCO or UUSCO for all analyzed compounds.

A summary of the soil results is included in Table 1 and the full laboratory report included as Attachment A.

Sincerely,

Hillmann Consulting

Ryan K. Powell, P.G.
Environmental Scientist

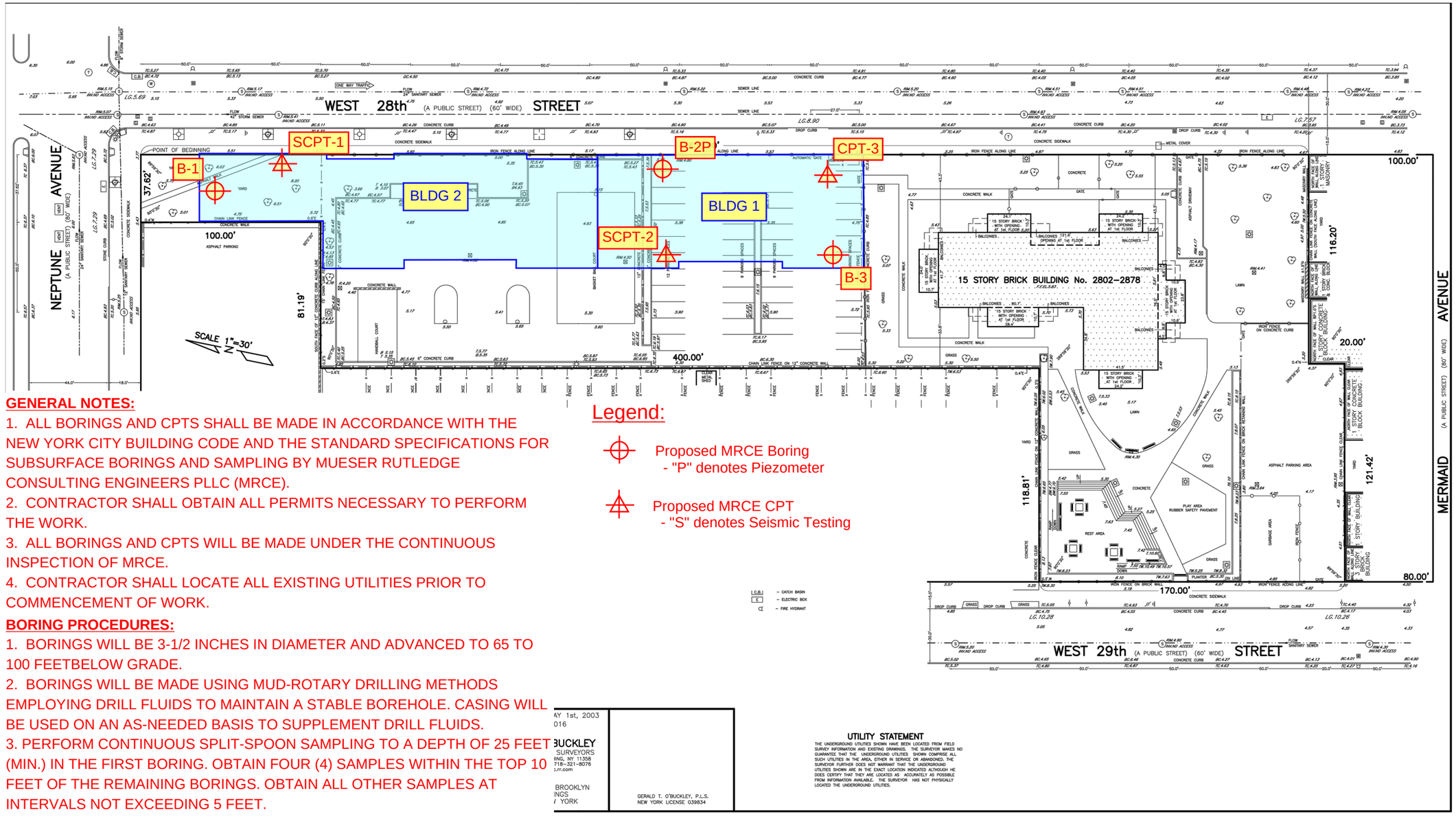
Chris Hirschmann, CHMM
Director, Environmental Services

MRCE P22-454
Boring Location Plan
2022-08-23

SEA PARK NORTH

BROOKLYN, NY

AUFGANG ARCHITECTS



GENERAL NOTES:

1. ALL BORINGS AND CPTS SHALL BE MADE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE AND THE STANDARD SPECIFICATIONS FOR SUBSURFACE BORINGS AND SAMPLING BY MUESER RUTLEDGE CONSULTING ENGINEERS PLLC (MRCE).
2. CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO PERFORM THE WORK.
3. ALL BORINGS AND CPTS WILL BE MADE UNDER THE CONTINUOUS INSPECTION OF MRCE.
4. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.

BORING PROCEDURES:

1. BORINGS WILL BE 3-1/2 INCHES IN DIAMETER AND ADVANCED TO 65 TO 100 FEETBELOW GRADE.
2. BORINGS WILL BE MADE USING MUD-ROTARY DRILLING METHODS EMPLOYING DRILL FLUIDS TO MAINTAIN A STABLE BOREHOLE. CASING WILL BE USED ON AN AS-NEEDED BASIS TO SUPPLEMENT DRILL FLUIDS.
3. PERFORM CONTINUOUS SPLIT-SPOON SAMPLING TO A DEPTH OF 25 FEET (MIN.) IN THE FIRST BORING. OBTAIN FOUR (4) SAMPLES WITHIN THE TOP 10 FEET OF THE REMAINING BORINGS. OBTAIN ALL OTHER SAMPLES AT INTERVALS NOT EXCEEDING 5 FEET.

SITE SURVEY
NOT TO SCALE

Legend:

Proposed MRCE Boring
- "P" denotes Piezometer

Proposed MRCE CPT
- "S" denotes Seismic Testing

C.B. – CATCH BASIN
E – ELECTRIC BOX
– FIRE HYDRANT

AY 1st, 2003
016

BUCKLEY
SURVEYORS
ING, NY 11358
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.rr.com

BROOKLYN
INGS
/ YORK

GERALD T. O'BUCKLEY, P.L.S.
NEW YORK LICENSE 039834

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

SITE SURVEY

Z-105.00

09.06.16
BLOCK:7011 LOT: 11

Table 1 - Summary of Soil Sample Analytical Results (VOCs)
2828 West 28th Street
Brooklyn, NY

Hillmann Consulting, LLC
Project #: Z34991.3

Target Compounds	NYSDEC Unrestricted Use SCO	NYSDEC Restricted Residential SCO	SB1A			SB2			SB3		
Volatiles (mg/Kg)			**Conc**	**Q**	**MDL**	**Conc**	**Q**	**MDL**	**Conc**	**Q**	**MDL**
1,1,1-Trichloroethane	**0.68**	**100**	0.00021	U	0.00021	0.00034	U	0.00034	0.00031	U	0.00031
1,1,2,2-Tetrachloroethane	**NS**	**NS**	0.00019	U	0.00019	0.00032	U *+	0.00032	0.00028	U *+	0.00028
1,1,2-Trichloro-1,2,2-trifluoroethane	**NS**	**NS**	0.00027	U	0.00027	0.00026	U	0.00026	0.00024	U	0.00024
1,1,2-Trichloroethane	**NS**	**NS**	0.00016	U	0.00016	0.00030	U	0.00030	0.00027	U	0.00027
1,1-Dichloroethane	**0.27**	**26**	0.00018	U	0.00018	0.00033	U	0.00033	0.00030	U	0.00030
1,1-Dichloroethene	**0.33**	**100**	0.00020	U	0.00020	0.00027	U	0.00027	0.00024	U	0.00024
1,2,3-Trichlorobenzene	**NS**	**NS**	0.00016	U	0.00016	0.00053	U	0.00053	0.00047	U	0.00047
1,2,4-Trichlorobenzene	**NS**	**NS**	0.00032	U	0.00032	0.00068	U	0.00068	0.00061	U	0.00061
1,2-Dibromo-3-Chloropropane	**NS**	**NS**	0.00041	U	0.00041	0.00027	U	0.00027	0.00024	U	0.00024
1,2-Dichlorobenzene	**1.1**	**100**	0.00032	U	0.00032	0.00053	U	0.00053	0.00048	U	0.00048
1,2-Dichloroethane	**NS**	**3.1**	0.00026	U	0.00026	0.00044	U	0.00044	0.00039	U	0.00039
1,2-Dichloropropane	**NS**	**NS**	0.00038	U	0.00038	0.00062	U	0.00062	0.00056	U	0.00056
1,3-Dichlorobenzene	**2.4**	**49**	0.00032	U	0.00032	0.00054	U	0.00054	0.00048	U	0.00048
1,4-Dichlorobenzene	**1.8**	**13**	0.00020	U	0.00020	0.00033	U	0.00033	0.00030	U	0.00030
1,4-Dioxane	**0.1**	**13**	0.0081	J *3 *	0.0081	0.014	U	0.014	0.012	U	0.012
2-Butanone (MEK)	**0.12**	**100**	0.00033	U	0.00033	0.00054	U	0.00054	0.00049	U	0.00049
2-Hexanone	**NS**	**NS**	0.0015	U	0.0015	0.0025	U	0.0025	0.0023	U	0.0023
4-Methyl-2-pentanone (MIBK)	**NS**	**NS**	0.0014	U	0.0014	0.0023	U	0.0023	0.0021	U	0.0021
Acetone	**0.05**	**100**	0.0097		0.0051	0.024		0.0084	0.0076	U	0.0076
Benzene	**0.06**	**4.8**	0.00023	U	0.00023	0.00038	U	0.00038	0.00034	U	0.00034
Bromoform	**NS**	**NS**	0.00038	U	0.00038	0.00042	U	0.00042	0.00037	U	0.00037
Bromomethane	**NS**	**NS**	0.00089	U	0.00089	0.00038	U	0.00038	0.00034	U	0.00034
Carbon disulfide	**NS**	**NS**	0.00024	U	0.00024	0.00063	U *-	0.00063	0.00056	U *-	0.00056
Carbon tetrachloride	**0.76**	**2.4**	0.00034	U	0.00034	0.0015	U	0.0015	0.0013	U	0.0013
Chlorobenzene	**1.1**	**100**	0.00016	U	0.00016	0.00039	U	0.00039	0.00035	U	0.00035
Chlorobromomethane	**NS**	**NS**	0.00025	U	0.00025	0.00057	U	0.00057	0.00051	U	0.00051
Chlorodibromomethane	**NS**	**NS**	0.00017	U	0.00017	0.00026	U	0.00026	0.00023	U	0.00023
Chloroethane	**NA**	**NS**	0.00046	U	0.00046	0.00077	U	0.00077	0.00069	U	0.00069
Chloroform	**0.37**	**49**	0.00086	U	0.00086	0.0014	U	0.0014	0.0013	U	0.0013
Chloromethane	**NS**	**NS**	0.00039	U	0.00039	0.00064	U	0.00064	0.00058	U	0.00058
cis-1,2-Dichloroethene	**0.25**	**100**	0.00032	U	0.00032	0.00053	U	0.00053	0.00047	U	0.00047
cis-1,3-Dichloropropene	**NS**	**NS**	0.00024	U	0.00024	0.00040	U	0.00040	0.00036	U	0.00036
Cyclohexane	**NS**	**NS**	0.00020	U	0.00020	0.00033	U	0.00033	0.00029	U	0.00029
Dichlorobromomethane	**NS**	**NS**	0.00023	U	0.00023	0.00029	U	0.00029	0.00026	U	0.00026
Dichlorodifluoromethane	**NS**	**NS**	0.00030	U	0.00030	0.00050	U	0.00050	0.00045	U	0.00045
Ethylbenzene	**1**	**41**	0.00018	U	0.00018	0.00029	U	0.00029	0.00026	U	0.00026
Ethylene Dibromide	**NS**	**NS**	0.00016	U	0.00016	0.00044	U	0.00044	0.00040	U	0.00040
Isopropylbenzene	**NS**	**NS**	0.00025	U	0.00025	0.00042	U	0.00042	0.00038	U	0.00038
Methyl acetate	**NS**	**NS**	0.0038	U	0.0038	0.00026	U	0.00026	0.00023	U	0.00023
Methyl tert-butyl ether	**0.93**	**100**	0.00045	U	0.00045	0.0064	U	0.0064	0.0057	U	0.0057
Methylcyclohexane	**NS**	**NS**	0.00044	U	0.00044	0.00074	U	0.00074	0.00066	U	0.00066
Methylene Chloride	**0.05**	**100**	0.0010	U	0.0010	0.0017	U	0.0017	0.0015	U	0.0015
m-Xylene & p-Xylene	**NS**	**NS**	0.00015	U	0.00015	0.00076	U	0.00076	0.00068	U	0.00068
o-Xylene	**NS**	**NS**	0.00017	U	0.00017	0.00029	U	0.00029	0.00026	U	0.00026
Styrene	**NS**	**NS**	0.00025	U	0.00025	0.00041	U	0.00041	0.00037	U	0.00037
Tetrachloroethene	**1.3**	**19**	0.00027	U	0.00027	0.00045	U	0.00045	0.00040	U	0.00040
Toluene	**0.7**	**100**	0.00021	U	0.00021	0.00035	U	0.00035	0.00031	U	0.00031
trans-1,2-Dichloroethene	**0.19**	**100**	0.00022	U	0.00022	0.00036	U	0.00036	0.00033	U	0.00033
trans-1,3-Dichloropropene	**NS**	**NS**	0.00024	U	0.00024	0.00039	U	0.00039	0.00035	U	0.00035
Trichloroethene	**0.47**	**21**	0.00028	U	0.00028	0.00047	U	0.00047	0.00042	U	0.00042
Trichlorofluoromethane	**NS**	**NS**	0.00036	U	0.00036	0.00060	U	0.00060	0.00054	U	0.00054
Vinyl chloride	**0.02**	**0.9**	0.00048	U	0.00048	0.00081	U	0.00081	0.00072	U	0.00072
Total Conc	**NS**	**NS**	0.0097			0.024					
Total Estimated Conc. (TICs)	**NS**	**NS**	~			0.0*T			0.0*T		

Results in Yellow Highlight displays exceedance above the UUSCO regulatory standard
Results in Green Highlight displays exceedance above both UUSCO & RRUSCO regulatory standard
U = Indicates the analyte was analyzed for but not detected.
NS = No Standard Available
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
***T = There are no TICs reported for the sample**
***- = LCS and/or LCSD is outside acceptance limits, low biased.**
***+ = LCS and/or LCSD is outside acceptance limits, high biased.**
***1 = LCS/LCSD RPD exceeds control limits.**
***3 = ISTD response or retention time outside acceptable limits.**
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits

Table 1 - Summary of Soil Sample Analytical Results cont'd (SVOCs)
2828 West 28th Street
Brooklyn, NY

Hillmann Consulting, LLC
Project #: Z34991.3

Target Compounds	NYSDEC Unrestricted Use SCO	NYSDEC Restricted Residential SCO	SB1A			SB2			SB3		
Semivolatiles (mg/Kg)			**Conc**	**Q**	**MDL**	**Conc**	**Q**	**MDL**	**Conc**	**Q**	**MDL**
1,1'-Biphenyl	NS	NS	0.012	U	0.012	0.011	U	0.011	0.011	U	0.011
1,2,4,5-Tetrachlorobenzene	NS	NS	0.010	U	0.010	0.0065	U	0.0065	0.0062	U	0.0062
2,2'-oxybis[1-chloropropane]	NS	NS	0.0061	U	0.0061	0.024	U	0.024	0.023	U	0.023
2,3,4,6-Tetrachlorophenol	NS	NS	0.023	U *+	0.023	0.036	U	0.036	0.035	U	0.035
2,4,5-Trichlorophenol	NS	NS	0.034	U	0.034	0.046	U	0.046	0.044	U	0.044
2,4,6-Trichlorophenol	NS	NS	0.043	U	0.043	0.023	U	0.023	0.022	U	0.022
2,4-Dichlorophenol	NS	NS	0.022	U	0.022	0.043	U	0.043	0.041	U	0.041
2,4-Dimethylphenol	NS	NS	0.040	U	0.040	0.18	U	0.18	0.17	U	0.17
2,4-Dinitrophenol	NS	NS	0.16	U *1	0.16	0.039	U	0.039	0.037	U	0.037
2,4-Dinitrotoluene	NS	NS	0.036	U	0.036	0.026	U	0.026	0.025	U	0.025
2,6-Dinitrotoluene	NS	NS	0.024	U	0.024	0.017	U	0.017	0.016	U	0.016
2-Chloronaphthalene	NS	NS	0.016	U	0.016	0.013	U	0.013	0.012	U	0.012
2-Chlorophenol	NS	NS	0.012	U	0.012	0.010	U	0.010	0.0095	U	0.0095
2-Methylnaphthalene	NS	NS	0.0094	U	0.0094	0.013	U	0.013	0.013	U	0.013
2-Methylphenol	0.33	100	0.013	U	0.013	0.027	U	0.027	0.026	U	0.026
2-Nitroaniline	NS	NS	0.026	U	0.026	0.036	U	0.036	0.034	U	0.034
2-Nitrophenol	NS	NS	0.034	U	0.034	0.054	U	0.054	0.052	U	0.052
3,3'-Dichlorobenzidine	NS	NS	0.051	U *1	0.051	0.085	U	0.085	0.081	U	0.081
3-Nitroaniline	NS	NS	0.080	U	0.080	0.15	U	0.15	0.14	U	0.14
4,6-Dinitro-2-methylphenol	NS	NS	0.14	U	0.14	0.014	U	0.014	0.014	U	0.014
4-Bromophenyl phenyl ether	NS	NS	0.013	U	0.013	0.020	U	0.020	0.019	U	0.019
4-Chloro-3-methylphenol	NS	NS	0.019	U	0.019	0.063	U	0.063	0.061	U	0.061
4-Chloroaniline	NS	NS	0.060	U *1	0.060	0.013	U	0.013	0.012	U	0.012
4-Chlorophenyl phenyl ether	NS	NS	0.012	U	0.012	0.022	U	0.022	0.021	U	0.021
4-Methylphenol	0.33	100	0.021	U	0.021	0.041	U	0.041	0.039	U	0.039
4-Nitroaniline	NS	NS	0.039	U	0.039	0.058	U	0.058	0.056	U	0.056
4-Nitrophenol	NS	NS	0.055	U	0.055	0.010	U	0.010	0.0097	U	0.0097
Acenaphthene	20	100	0.017	J	0.0096	0.010	U	0.010	0.0098	U	0.0098
Acenaphthylene	100	100	0.011	J	0.0096	0.018	U	0.018	0.017	U	0.017
Acetophenone	NS	NS	0.016	U	0.016	0.011	U	0.011	0.010	U	0.010
Anthracene	100	100	0.040	J	0.010	0.021	U	0.021	0.020	U	0.020
Atrazine	NS	NS	0.020	U *+	0.020	0.059	U	0.059	0.056	U	0.056
Benzaldehyde	NS	NS	0.055	U	0.055	0.012	U	0.012	0.012	U	0.012
Benzo[a]anthracene	1	1	0.15		0.012	0.0095	U	0.0095	0.0091	U	0.0091
Benzo[a]pyrene	1	1	0.15		0.0089	0.0093	U	0.0093	0.0088	U	0.0088
Benzo[b]fluoranthene	1	1	0.19		0.0087	0.011	U	0.011	0.010	U	0.010
Benzo[g,h,i]perylene	100	100	0.12	J *+	0.0099	0.0070	U	0.0070	0.0067	U	0.0067
Benzo[k]fluoranthene	0.8	3.9	0.064	*+	0.0066	0.028	U	0.028	0.027	U	0.027
Bis(2-chloroethoxy)methane	NS	NS	0.026	U	0.026	0.012	U	0.012	0.012	U	0.012
Bis(2-chloroethyl)ether	NS	NS	0.012	U	0.012	0.019	U	0.019	0.018	U	0.018
Bis(2-ethylhexyl) phthalate	NS	NS	0.023	J	0.018	0.017	U	0.017	0.016	U	0.016
Butyl benzyl phthalate	NS	NS	0.016	U	0.016	0.056	U	0.056	0.053	U	0.053
Caprolactam	NS	NS	0.052	U	0.052	0.014	U	0.014	0.013	U	0.013
Carbazole	NS	NS	0.025	J	0.013	0.0060	U	0.0060	0.0058	U	0.0058
Chrysene	1	3.9	0.15	J	0.0057	0.015	U	0.015	0.015	U	0.015
Dibenz(a,h)anthracene	0.33	0.33	0.032	J *+	0.015	0.012	U	0.012	0.011	U	0.011
Dibenzofuran	7	59	0.011	U	0.011	0.012	U	0.012	0.011	U	0.011
Diethyl phthalate	NS	NS	0.011	U	0.011	0.081	U	0.081	0.078	U	0.078
Dimethyl phthalate	NS	NS	0.076	U	0.076	0.013	U	0.013	0.013	U	0.013
Di-n-butyl phthalate	NS	NS	0.013	U	0.013	0.019	U	0.019	0.018	U	0.018
Di-n-octyl phthalate	NS	NS	0.018	U	0.018	0.012	U	0.012	0.012	U	0.012
Fluoranthene	100	100	0.28	J	0.012	0.012	U	0.012	0.012	U	0.012
Fluorene	30	100	0.017	J	0.0098	0.010	U	0.010	0.010	U	0.010
Hexachlorobenzene	0.33	1.2	0.016	U	0.016	0.017	U	0.017	0.016	U	0.016
Hexachlorobutadiene	NS	NS	0.0071	U	0.0071	0.0076	U	0.0076	0.0073	U	0.0073
Hexachlorocyclopentadiene	NS	NS	0.029	U	0.029	0.031	U	0.031	0.030	U	0.030
Hexachloroethane	NS	NS	0.012	U	0.012	0.012	U	0.012	0.012	U	0.012
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.14	*+	0.013	0.014	U	0.014	0.013	U	0.013
Isophorone	NS	NS	0.097	U	0.097	0.10	U	0.10	0.099	U	0.099
Naphthalene	12	100	0.012	J	0.0058	0.0062	U	0.0062	0.0059	U	0.0059
Nitrobenzene	NS	NS	0.019	U	0.019	0.020	U	0.020	0.019	U	0.019
N-Nitrosodimethylamine	NS	NS	~			0.033	U	0.033	0.032	U	0.032
N-Nitrosodi-n-propylamine	NS	NS	0.024	U	0.024	0.026	U	0.026	0.025	U	0.025
N-Nitrosodiphenylamine	NS	NS	0.028	U	0.028	0.029	U	0.029	0.028	U	0.028
Pentachlorophenol	0.8	6.7	0.069	U	0.069	0.073	U	0.073	0.070	U	0.070
Phenanthrene	100	100	0.20	J	0.0059	0.0063	U	0.0063	0.0060	U	0.0060
Phenol	0.33	100	0.012	U	0.012	0.013	U	0.013	0.013	U	0.013
Pyrene	100	100	0.29	J *+	0.0083	0.0089	U	0.0089	0.0085	U	0.0085
Total Conc	NS	NS	1.911								
Total Estimated Conc. (TICs)	NS	NS	~			0.0*T			0.0*T		

Results in Yellow Highlight displays exceedance above the UUSCO regulatory standard
Results in Green Highlight displays exceedance above both UUSCO & RRUSCO regulatory standard
U = Indicates the analyte was analyzed for but not detected.
NS = No Standard Available
~ = Sample not analyzed
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
***T = There are no TICs reported for the sample**
***- = LCS and/or LCSD is outside acceptance limits, low biased.**
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***1 = LCS/LCSD RPD exceeds control limits.**
***3 = ISTD response or retention time outside acceptable limits.**
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits

Table 1 - Summary of Soil Sample Analytical Results cont'd (Pesticides, PCBs, Metals, General Chemistry
2828 West 28th Street
Brooklyn, NY

Hillmann Consulting, LLC
Project #: Z34991.3

Target Compounds	NYSDEC Unrestricted Use SCO	NYSDEC Restricted Residential SCO	SB1A			SB2			SB3		
Pesticides (mg/Kg)			**Conc**	**Q**	**MDL**	**Conc**	**Q**	**MDL**	**Conc**	**Q**	**MDL**
4,4'-DDD	**0.0033**	**13**	0.0012	U	0.0012	0.0012	U	0.0012	0.0012	U	0.0012
4,4'-DDE	**0.0033**	**8.9**	0.00080	U	0.00080	0.00085	U	0.00085	0.00082	U	0.00082
4,4'-DDT	**0.0033**	**7.9**	0.0012	U	0.0012	0.0013	U	0.0013	0.0013	U	0.0013
Aldrin	**0.005**	**0.097**	0.0010	U	0.0010	0.0011	U	0.0011	0.0010	U	0.0010
alpha-BHC	**0.02**	**0.48**	0.00069	U	0.00069	0.00074	U	0.00074	0.00070	U	0.00070
beta-BHC	**0.036**	**0.36**	0.00076	U	0.00076	0.00081	U	0.00081	0.00078	U	0.00078
Chlordane (technical)	**NS**	**NS**	0.016	U	0.016	0.018	U	0.018	0.017	U	0.017
delta-BHC	**0.04**	**100**	0.00041	U	0.00041	0.00044	U	0.00044	0.00042	U	0.00042
Dieldrin	**0.005**	**0.2**	0.00088	U	0.00088	0.00094	U	0.00094	0.00090	U	0.00090
Endosulfan I	**2.4**	**24**	0.0010	U	0.0010	0.0011	U	0.0011	0.0011	U	0.0011
Endosulfan II	**2.4**	**24**	0.0017	U	0.0017	0.0019	U	0.0019	0.0018	U	0.0018
Endosulfan sulfate	**2.4**	**24**	0.00085	U	0.00085	0.00091	U	0.00091	0.00087	U	0.00087
Endrin	**0.014**	**11**	0.00097	U	0.00097	0.0010	U	0.0010	0.00099	U	0.00099
Endrin aldehyde	**NS**	**NS**	0.0016	U	0.0016	0.0017	U	0.0017	0.0016	U	0.0016
Endrin ketone	**NS**	**NS**	0.0013	U	0.0013	0.0014	U	0.0014	0.0013	U	0.0013
gamma-BHC (Lindane)	**0.1**	**1.3**	0.00063	U	0.00063	0.00067	U	0.00067	0.00064	U	0.00064
Heptachlor	**0.042**	**2.1**	0.00080	U	0.00080	0.00085	U	0.00085	0.00082	U	0.00082
Heptachlor epoxide	**NS**	**NS**	0.0010	U	0.0010	0.0011	U	0.0011	0.0010	U	0.0010
Methoxychlor	**NS**	**NS**	0.0015	U	0.0015	0.0017	U	0.0017	0.0016	U	0.0016
Toxaphene	**NS**	**NS**	0.024	U	0.024	0.026	U	0.026	0.025	U	0.025
PCBs (mg/Kg)											
Aroclor 1016	**NS**	**NS**	0.018	U	0.018	0.019	U	0.019	0.018	U	0.018
Aroclor 1221	**NS**	**NS**	0.018	U	0.018	0.019	U	0.019	0.018	U	0.018
Aroclor 1232	**NS**	**NS**	0.018	U	0.018	0.019	U	0.019	0.018	U	0.018
Aroclor 1242	**NS**	**NS**	0.018	U	0.018	0.019	U	0.019	0.018	U	0.018
Aroclor 1248	**NS**	**NS**	0.018	U	0.018	0.019	U	0.019	0.018	U	0.018
Aroclor 1254	**NS**	**NS**	0.018	U	0.018	0.019	U	0.019	0.018	U	0.018
Aroclor 1260	**NS**	**NS**	0.018	U	0.018	0.019	U	0.019	0.018	U	0.018
Aroclor 1268	**NS**	**NS**	0.018	U	0.018	0.019	U	0.019	0.018	U	0.018
Aroclor-1262	**NS**	**NS**	0.018	U	0.018	0.019	U	0.019	0.018	U	0.018
Total PCBs	**0.1**	**1**	0.018	U	0.018	0.018	U	0.019	0.018	U	0.018
Metals (mg/Kg)											
Aluminum	**NS**	**NS**	1760		5.5	883		3.3	867		2.9
Antimony	**NS**	**NS**	0.15	U	0.15	0.41	U	0.41	0.37	U	0.37
Arsenic	**13**	**16**	1.2		0.10	0.68	U	0.68	0.89	J	0.61
Barium	**350**	**400**	33.4		0.15	8.6	J	1.6	17.0	J	1.5
Beryllium	**7.2**	**72**	0.083	J	0.057	0.048	U	0.048	0.043	U	0.043
Cadmium	**2.5**	**4.3**	0.12	J	0.11	0.17	U	0.17	0.15	U	0.15
Calcium	**NS**	**NS**	2190		17.8	361	J	46.3	1240		41.4
Chromium	**NS**	**NS**	6.3		0.91	2.7		0.23	3.3		0.21
Cobalt	**NS**	**NS**	1.3	J	0.15	0.54	U	0.54	0.50	J	0.48
Copper	**50**	**270**	4.8		0.37	1.4	J	0.39	2.8	J	0.35
Iron	**NS**	**NS**	3280		20.3	1750		6.5	1750		5.8
Lead	**63**	**400**	52.0		0.20	1.6	J	0.57	6.1		0.51
Magnesium	**NS**	**NS**	839		10.2	416	J	64.4	409	J	57.6
Manganese	**1600**	**2000**	41.3		0.40	16.0		0.26	19.8		0.23
Mercury	**0.18**	**0.81**	0.10		0.0077	0.0084	U	0.0084	0.0083	U	0.0083
Nickel	**30**	**310**	7.0		0.47	2.1	J	0.30	2.3	J	0.27
Potassium	**NS**	**NS**	269		16.3	235	J	53.2	202	J	47.6
Selenium	**3.9**	**180**	0.13	U	0.13	1.3	U	1.3	1.2	U	1.2
Silver	**2**	**180**	0.089	U	0.089	0.18	U	0.18	0.16	U	0.16
Sodium	**NS**	**NS**	55.4	J	45.9	94.1	J	60.6	62.9	J	54.2
Thallium	**NS**	**NS**	0.041	U	0.041	0.65	U	0.65	0.58	U	0.58
Vanadium	**NS**	**NS**	6.1		0.21	3.1	J	0.58	3.1	J	0.52
Zinc	**109**	**10000**	79.4		3.1	47.1		0.38	13.5		0.34
General Chemistry (mg/Kg)											
Cyanide, Total (mg/kg)	**27**	**27**	~	~	~	0.14	U	0.14	0.12	F2 F	0.12

Results in Yellow Highlight displays exceedance above the UUSCO regulatory standard
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ATTACHMENT A

LABORATORY ANALYTICAL RESULTS

FINAL GEOTECHNICAL REPORT
SEA PARK NORTH
2828 WEST 28TH Street
BROOKLYN, NEW YORK

Gilbane Development Company
88 Pine Street, 27th Floor
New York, New York 10005

February 23, 2024

MRCE
built on firm foundations

NEW YORK CITY | PHILADELPHIA | WASHINGTON, DC

MRCE
built on firm foundations

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February 23, 2024

Gilbane Development Company
88 Pine Street, 27th Floor
New York, New York 10005

Attn: Mr. Dimitrios Ketehis

Re: Final Geotechnical Report
Sea Park North (2828 W. 28th Street)
Brooklyn, New York
MRCE File No. 14442

Dear Mr. Katehis:

Mueser Rutledge Consulting Engineers (MRCE) has completed a final subsurface investigation for the proposed Sea Park North development at 2828 West 28th Street in accordance with our proposal dated November 28, 2023. This report supersedes our October 2022 Due Diligence Report and presents a summary of the subsurface investigations performed at the project site, our interpretation of subsurface conditions encountered, and recommendations for design and construction of foundations.

Please call if you have any questions regarding our report or require further assistance in design and construction of foundations and other below grade structures.

Very truly yours,

MUESER RUTLEDGE CONSULTING ENGINEERS PLLC

Gregory Lucking, PE

Walter Kaeck, Principal, PE

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1.0 LIST OF EXHIBITS

The following exhibits are attached to illustrate our Report:

Exhibit	Description
Figure 1	Site Location Map
Figure 2	1889 Historic Map
Figure S-1	Seismic Design Spectrum
Table 1	Summary of Laboratory Test Results
Plate C-1	Consolidation Test – Boring B-1P, Sample 17S
Plate C-2	Consolidation Test – Boring B-2, Sample 17S
Plate C-3	Consolidation Test – Boring B-3, Sample 21S
Plate CRS-1	Consolidation Test – Boring B-6, Sample 16S
Plate SPP-1	Soil Properties Profile
Drawing B-1	Boring Location Plan
Drawing GS-1	Geologic Section A-A
Drawing GS-R	Geotechnical Reference Standards

Appendix	Description
Appendix A	MRCE Borings Logs
Appendix B	CPT Reports
Appendix C	Supplemental Laboratory Data
Appendix D	Seismic Site-Response Evaluation

2.0 DATUM AND REFERENCES

Elevations in this report refer to the North American Vertical Datum of 1988 (NAVD 88).

Our report is based on the proposed building construction depicted in the Schematic Drawings for Sea Park North, prepared by Dattner Architects, dated September 20, 2023, and the Preliminary Column Layout and Foundation Loads (Drawing SK-S1), provided by Murray Engineering, PC on December 6, 2023. For ease in reference herein, project North is taken as parallel to West 28th Street with direction toward Neptune Avenue.

3.0 SITE DESCRIPTION

The Sea Park North project site is at 2828 West 28th Street in the Coney Island neighborhood of Brooklyn, New York (Block 7011, Lot 11) as shown on Figure 1. The block is bound to the north by Neptune Avenue, to the east by West 28th Street, to the south by Mermaid Avenue, and to the west by West 29th Street. Lot 11 encompasses about half of Block 7011 and contains an existing fifteen story building with a footprint area of about 8,000 square feet in its southern third. The area north of the building has street frontage along West 28th Street and generally consists of at grade parking, landscaped areas, and a park (basketball courts). The new development is planned north of the existing building along West 28th Street. The existing fifteen story building will remain in place.

Ground surface at the site is relatively flat, ranging from approximately Elev. +4.5 to Elev. +6.

3.1 Adjacent Structures: In the area where the new development is proposed, Lot 11 is bound to the west by Lot 1 and Lots 63 through 97. Lot 1 contains an approximately 8,700 square foot one-story masonry structure used for religious gatherings and an at grade parking lot. The one-story

structure is located in the northwest corner of the block and is set back from the shared property line with Lot 11. Lots 63 through 97 contain two-story timber framed residential structures. The residential structures are generally set back about 30 feet from the common property line, creating rear yards between the structures and the project site. Additionally, Lot 11 contains an existing 15-story residential building (as noted above) about 50 feet south of the proposed development. Given the building height, the 15-story building is likely supported on deep foundations.

4.0 SITE HISTORY AND REGIONAL GEOLOGY

The subsurface geology along the south shore of Brooklyn and Queens is the product of a series of Pleistocene glacial advances and subsequent retreats combined with sea-level rise. The near surface geology is comprised of older glacial sediments which have been reworked during the Holocene by coastal processes during a rise in sea levels.

Below Coney Island, Cretaceous age Coastal Plain sediments were eroded down and covered with the Jameco Gravel outwash sand during an early period of glaciation. This sand and gravel stratum is encountered around Elev. -175 to Elev. -200 below western Coney Island. When the ice retreated, sea-level rose during the interglacial period and a marine clay, the Gardiners Clay, was deposited above the Jameco outwash. The Gardiners is present at roughly Elev. -150. The next glaciation covered the Gardiners with another layer of outwash sand, the Merrick Formation. This outwash deposit appears to be especially thick around the mouth of New York Harbor (including Coney Island where it is found roughly somewhere between Elev. -60 and Elev. -160) and thins eastward towards Suffolk County.

This glaciation was followed by another episode of sea-level rise, which deposited a layer of marine clay commonly known as the 20-Foot Clay (or the Wantagh Formation) above the outwash sand. The stratum is discontinuous along the south shore, but where present, it is typically encountered between Elev. -40 and Elev. -100 below the barrier islands. The most recent late Wisconsin age glaciation covered the 20-Foot Clay with another layer of outwash sand, the Bellmore Formation.

The last glacial ice retreated during the Holocene and sea-level started to rise to their present levels. Wave action reworked the glacial sediments into barrier islands that paralleled the mainland and migrated landward in-step with the rising sea-levels. Over time the coastal marshes were flooded and covered with back-bay organic clays, which in turn were buried under outwash and barrier beach sands. This action of the barrier islands “rolling over” has led to deposits of more recent marsh and marine organics interlayered with beach sands in the near surface.

As shown in Figure 2, the shoreline of Coney Island once crossed the site in an east-west direction near the current location of the existing 15-story building. Therefore, the area of new development is generally located outboard of the historic shoreline in an area of made land. The creation of new land to expand the western part of Coney Island was generally performed before 1910. The process of raising grades above sea level was likely performed in an uncontrolled manner using miscellaneous fill and soils dredged from nearby water ways resulting in loose granular deposits near the surface.

5.0 PROPOSED CONSTRUCTION

We understand development plans consist of construction of a new nine (9) story residential building along West 28th Street about 50 feet north of the existing fifteen story building. The ground floor level of the new building will generally comprise storage rooms, a parking portico, and other non-habitable utility spaces. The first-floor is planned about 11 feet above existing site grade to place the floor level

above the design flood elevation. Amenity and office space uses are planned at the first floor. Seven (7) levels of residential units are proposed above the first floor.

Based on the September 2023 Schematic Drawings, the building footprint area at the ground level measures about 22,300 square feet. The building will be set back about 46 feet from the west property line adjacent to Lots 63 through 97 to create space for an outdoor recreational area and additional outdoor parking. An elevator servicing the ground level is expected to include an elevator run down pit extending about 6 feet below the ground level. We anticipate other below grade utility pits on the order of 5 feet deep or less. A below grade basement or cellar level is not planned. Additional site improvements to the existing parking and landscaped areas are planned.

At the time of this report, three alternative building construction types are under consideration: (1) Cast-in-Place Concrete, (2) Block and Plank, and (3) Steel and Plank. The three building construction types result in different building weights and foundation loads as summarized on Drawing SK-S1, prepared by Murray Engineering, PC, dated December 6, 2023. The Cast-in-Place Concrete and Block and Plank options have similar total building weights of approximately 45,000 and 44,000 kips, respectively, while the Steel and Plank option is lighter with a total weight of about 36,000 kips. The selected construction type and resulting building loads will impact building settlement and foundation requirements as summarized in Section 11.3 of this report.

6.0 SUBSURFACE INVESTIGATION

6.1 Preliminary Investigation: We completed a preliminary (due diligence) geotechnical investigation to understand subsurface conditions at the site and develop preliminary concepts and pricing for foundations and site improvements in October 2022. The preliminary investigation consisted of three (3) geotechnical borings (B-1 through B-3) and three (3) Cone Penetration Test (CPT) probes (CPT-1 through CPT-3). An open standpipe piezometer was installed in one of the completed borings (B-1P) and seismic shear wave velocity testing was performed in two of the three CPT probes. Logs of the borings and CPT probes are included in Appendix A and B, respectively. We refer to our October 2022 Due Diligence Geotechnical Report for a more detailed description of the results of the preliminary subsurface investigation.

6.2 Final Investigation Scope: The preliminary investigation did not satisfy the minimum exploration requirements of the New York City Building Code (Code) for the proposed development. For a building footprint area of 22,300 square feet supported on deep foundations, the Code requires a subsurface investigation consisting of eleven (11) borings with an allowance for substitution of up to one half of the borings with CPTs at a replacement ratio of 1.5 CPTs for each boring. The preliminary investigation consisted of three (3) borings and three (3) CPT probes. On that basis, we planned a final subsurface investigation to satisfy Code requirements consisting of three (3) additional geotechnical borings (B-4 through B-6) and five (5) additional CPT probes (CPT-4 through CPT-8), resulting in a total of six (6) geotechnical borings and seven (7) CPT probes.

6.2.1 Planning, Layout, and Inspection: We prepared a plan and specification for the work and negotiated a contract with Craig Geotechnical Drilling Company, Inc. (Craig) of Mays Landing, New Jersey. Borings B-4 through B-6 and CPT probes CPT-4 through CPT-8 were completed by Craig between January 8 and January 11, 2024, under the continuous observation of MRCE resident engineer Mr. Seong Hwang who prepared a field log for each boring and daily field report documenting work progress. Boring and CPT layout was arranged to provide overall coverage across the proposed building footprint and fill in areas that were inaccessible during the preliminary investigation, such as the basketball courts.

6.2.2 Geotechnical Borings: The borings were advanced with a track mounted drill rig using wash-rotary methods and a combination of steel casing and drilling mud to stabilize borehole advancement. The borings were advanced to depths ranging from 65 to 120 feet.

6.2.3 Soil Sampling: Four (4) split-spoon samples were obtained in the first 10 feet and at intervals not exceeding 5 feet thereafter. Split-spoon soil samples were obtained in conformance with ASTM D1586 – "Standard Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils" using a two-inch outer diameter split-spoon sampler driven with a 140-pound hammer free-falling 30 inches. Hammer blows were recorded for each of four six-inch drive intervals of the split-spoon sampler. The sum of the blows for the second and third six-inch drive intervals is defined as the Standard Penetration Test (SPT) Resistance, or N-value. The N-value is an index of the relative density of granular soils and a rough approximation of the consistency (strength) of cohesive soils at the sample interval. Recovered split-spoon soil samples were placed in glass, screw-top jars and delivered to our in-house laboratory for verification of field sample descriptions. Soil samples were classified in accordance with the Unified Soil Classification System (USCS) as summarized on Drawing GS-R, Geotechnical Reference Standards. Logs of the borings with complete soil descriptions are included in Appendix A.

N-values shown on the boring logs in Appendix A and next to the borings on Geologic Section A-A on Drawing GS-1 are the uncorrected raw N-values as measured in the field. To account for differences in hammer energy transfer efficiency, the N-value is commonly corrected to a standard transferred energy efficiency of 60%. The corrected N-value is termed N_{60} and allows comparative evaluation of soil properties between borings made with different equipment and is the common basis of some geotechnical analyses, such as liquefaction potential. The drill rig used by Craig was equipped with an automatic hammer. A correction value, C_E, of 1.4 (representing an efficiency of about 84%) was used in our analyses for the automatic hammer.

6.2.4 Undisturbed Tube Sampling: Undisturbed samples of cohesive soil (clay and plastic silt) were collected in accordance with ASTM D1587 – "Standard Practice for Thin-Walled Tube Sampling of Soils for Geotechnical Purposes" using a Shelby tube sampler. The samples were obtained using a three-inch outside diameter thin-walled stainless steel tube with a beveled cutting edge, which is mechanically pushed into the soil by the drill rig. The sampler penetration length and sample recovery length of each undisturbed sample are recorded on the boring logs. The undisturbed tubes were sealed on site by applying paraffin wax to both ends of the tube and capped to preserve moisture content during transport to our in-house laboratory for testing. Pocket penetrometer tests were conducted in the field on the ends of the tube samples to provide a rough measure of soil strength.

6.2.5 Groundwater Monitoring: An open standpipe piezometer was installed during the preliminary investigation in completed borehole B-1P to monitor groundwater levels. The piezometer consists of a 2-inch I.D. PVC standpipe with the bottom 10 feet slotted. The slotted portion of the piezometer is surrounded by filter sand to allow free water flow into the standpipe without movement of soil particles and is sealed from above with a layer of bentonite chips to prevent surface water from infiltrating the piezometer. The piezometer was installed to a depth of 20 feet below ground surface. Piezometer construction details and water level readings are provided on the Piezometer Record accompanying the boring logs in Appendix A including an additional reading during the final investigation.

6.2.6 Backfilling, Restoration, and Final Survey: Upon completion, borings were backfilled with soil cuttings and the surface patched with quick setting cement or cold patch asphalt. Final boring locations were measured from existing features and are shown on Drawing B-1. Ground surface elevations at boring locations were estimated using the available site survey.

6.2.7 CPT Probes: CPT probes were performed in accordance with ASTM D5778 – "Standard Test Method for Electric Friction Cone and Piezocone Penetration Testing of Soils". The CPT probes were performed using a truck-mounted CPT rig, which hydraulically pushed an instrumented piezocone into the ground at a controlled rate of about 20 mm/s. The instrumented piezocone was advanced to record continuous measurements of cone tip resistance, sleeve friction, and excess pore water pressure. CPT-4, CPT-6, and CPT-7 were advanced to a depth of 120 feet, and CPT-5 and CPT-8 were advanced to a depth of 100 feet. Upon completion of testing at each location, the cone apparatus was removed, and the open CPT holes were backfilled with bentonite pellets and/or filter sand. Logs of the CPT probes provided by Craig are included in Appendix B.

7.0 LABORATORY TESTING AND REVIEW

Upon completion of the investigation, all soil samples were transported to our in-house soils laboratory for laboratory testing and verification of soil descriptions in conformance with MRCE Geotechnical Reference Standards described on Drawing GS-R. The sample descriptions on the boring logs in Appendix A reflect the results of the MRCE laboratory review.

Laboratory testing consisted of soil index tests including natural water contents and Atterberg Limits on fine grained, cohesive samples, and one (1) constant rate of strain (CRS) consolidation tests on an undisturbed tube sample of the marine clay deposits. Additional laboratory testing was performed on samples recovered during the preliminary investigation including three (3) incremental load consolidation tests on undisturbed tube samples of the marine clay deposits. The results of laboratory testing, including those from the preliminary investigation, are summarized on Table 1 in the Exhibits.

8.0 SUBSURFACE CONDITIONS

Our interpretation of subsurface conditions is illustrated on Geologic Sections A-A on Drawing GS-1. Information from the borings shown on the sections include sample number and position, SPT resistance (uncorrected N-value) in blows per foot, natural moisture content where determined, and the Unified Soil Classification System (USCS) soil group symbol for each soil sample. Information from the CPTs include the corrected cone tip resistance, q_t, in tons per square foot (tsf), and measured pore water pressure at the cone shoulder (u_2 position) in pounds per square inch (psi).

8.1 Subsurface Stratigraphy

General descriptions of subsurface materials encountered, including material classification (NYC Class) in accordance with the Code, are summarized below in order of their occurrence with depth.

Stratum F – Fill (NYC Class 7): A thin layer of uncontrolled fill is the uppermost soil stratum below the surficial layer of asphalt pavement or topsoil. Stratum F generally consists of loose to medium compact brown, gray and tan fine to coarse sand, trace to some silt, brick, trace gravel, roots. Local accumulations of construction debris and remnants of prior foundations may also be encountered. Stratum F is differentiated from Stratum S1 below by more recent human disturbance and the presence of non-natural soil particles such as brick fragments and debris. N-values from the borings range from 3 to 17, averaging 10. Corrected tip resistance, q_t, from the CPTs ranges from 8 to 183 tsf, correlating to N-values of about 1 to 42, averaging 20. Stratum F ranges in thickness from approximately 3 to 7 feet in the borings and CPT probes.

Stratum S1 – Sand w/ Clay Pockets & Lenses (NYC Class 6): Natural sand with clay pockets and lenses, Stratum S1, underlies Stratum F in all Borings and CPT probes. Stratum S1 is likely comprised of glacial outwash sands that were reworked by coastal processes and occasionally interlayered with back bay marsh deposits. The upper portions of Stratum S1 may be manmade fill comprised of natural sands which were dredged from nearby sources and placed to raise grades above sea level. In general, Stratum S1 consists of loose to medium compact gray fine to medium sand with trace to some silt, trace shells, gravel. The lower portion of Stratum S1 is expected to include pockets and thin lenses of organic silty clay as observed in Boring B-1P, Sample 6D. Additionally, the CPT data show occasional spikes in pore pressure in the lower portions of Stratum S1 which indicate soils with higher fines content and likely presence of thin layers of compressible cohesive soils. N-values from the borings range from 3 to 15, averaging 7. Corrected tip resistance, q_t, from the CPTs ranges from 4 to 143 tsf, correlating to N-values of about 2 to 33, averaging 13. Stratum S1 ranges in thickness from about 6.5 to 12.5 feet in the borings and CPT probes.

Stratum S2 – Upper Outwash Sand (NYC Class 3a/b): Glacial outwash sand, Stratum S2, is present below Stratum S1. Stratum S2 is likely part of the Bellmore Formation deposited after the Wisconsin Age glaciation. In general, Stratum S2 consists of medium compact to very compact gray fine to medium sand, trace silt. N-values from the borings range from 11 to 55, averaging 29. Corrected tip resistance, q_t, from the CPT probes ranges from 39 to 358 tsf, correlating to N-values of about 12 to 65, averaging 40. Stratum S2 ranges in thickness from about 41 to 45 feet in the borings and CPT probes. The top of Stratum S2 ranges from Elev. -7 to Elev. -10.

Stratum SC – Organic Clayey Sand (NYC Class 4c): Organic clayey sand, Stratum SC, is present below Stratum S2 in all borings and CPT probes except Boring B-1P. The presence of Stratum SC is likely related to the underlying interglacial 20-Foot Clay Formation but was deposited in a transitional higher energy environment and contains more sand sized particles than silt and clay. In general, Stratum SC consists of loose to medium compact gray organic clayey fine sand, trace shells and gray silty fine sand, trace medium sand, organic clay, shells, vegetation. N-values from the borings range from 1 to 15, averaging 6.5, excluding one SPT attempt where the sampler advanced at least 18-inches under the weight of the drill rods (WR) or weight of hammer (WH). Corrected tip resistance, q_t, from the CPT probes ranges from 11 to 49 tsf, correlating to N-values of about 4 to 15, averaging 7. Fines content (percent of sample comprised of silt or clay sizes) from two samples (B-4, Sample 14D, and B-5, Sample 15D) range from 27.2 to 31.6 percent. Stratum SC ranges in thickness from about 5 to 7.5 feet in the borings and CPT probes. The top of Stratum SC ranges from Elev. -48 to Elev. -53.

Stratum C – Organic Silty Clay (NYC Class 4c): Marine clay, Stratum C, underlies Stratum SC except in Boring B-1P where it directly underlies Stratum S2. Stratum C is likely part of the interglacial 20-Foot Clay Formation. In general, Stratum C consists of medium gray organic silty clay, trace fine sand, shells, vegetation. N-values from the borings range from 2 to 6, averaging 4, excluding eighteen (18) of twenty-four (24) SPT attempts where the sampler advanced at least 18-inches under the weight of the drill rods (WR) or weight of hammer (WH). Corrected tip resistance, q_t, from the CPT probes ranges from 10 to 65 tsf, correlating to undrained shear strengths of about 900 to 2600 psf, averaging about 1300 psf. Stratum C ranges in thickness from about 30 to 35.5 feet in the borings and CPT probes. The top of Stratum C ranges from Elev. -52 to Elev. -58.

Plate SPP-1 summarizes the results of laboratory testing of samples of the Stratum C clay graphically versus depth. The left panel of the plate presents soil preconsolidation stress determined from the laboratory consolidation tests relative to the estimated existing vertical effective overburden stress.

Water contents and plasticity data are profiled in the center panel. Soil stratigraphy is provided in the right panel.

Water contents, expressed as a percentage of the sample dry weight, range from 45% to 73%, averaging 57%. Atterberg Limits indicate that Stratum C is generally a relatively high plasticity clay OH and CH, with Liquid Limits ranging from 49% to 78%, averaging, 65%, and Plasticity Index ranging from 22% to 41%, averaging 32%. Water contents typically plot below the liquid limit indicating that the Stratum C deposits are slightly overconsolidated.

As shown in Plate SPP-1, consolidation tests indicate preconsolidation pressures in the Stratum C clay ranging from 2.4 to 2.8 tsf, or about 0.5 to 0.6 tsf in excess of existing overburden pressures. The consolidation test results confirm that the Stratum C clay is lightly over-consolidated with an over-consolidation ratio (OCR = ratio of preconsolidation stress to existing overburden stress) generally between about 1.2 and 1.4. Correlations using the CPT data indicate a similar OCR range of between about 1.2 to 1.6. For comparison, the estimated stress increase in the Stratum C clay resulting from the alternative building construction types is also shown on Plate SPP-1 relative to the soil preconsolidation stress. The relative position of new imposed stresses to soil preconsolidation stress is important and will impact building settlement, as discussed further in Section 11.3 of this report.

We note that the consolidation test on Sample 16S in Boring B-6 indicates an OCR closer to 1.0, however, the sample also had the lowest natural water content and plasticity index of the tested samples. The lower plasticity index and likely higher percentage of fine sand makes the sample more prone to disturbance, resulting in a lower estimated preconsolidation stress and OCR. Additional laboratory data obtained within Stratum C from nearby sites supports an OCR between 1.2 and 1.4. The additional laboratory test data was obtained from sites located at 2960 West 29th Street (URS Coney Island Commons Report), 2955 West 28th Street (MRCE SHF Coney Island Site Report), and 2947 West 28th Street (MRCE Report on Foundations, Coney Island I), and is included in Appendix C.

Stratum S3 – Lower Outwash Sand (NYC Class 3a/b): A lower layer of glacial outwash sand, Stratum S3, exists below Stratum C. Stratum S3 is likely part of the Merrick Formation. In general, Stratum S3 consists of medium compact to compact gray and light brown fine to medium sand, trace silt, coarse sand, gravel. N-values from the borings range from 14 to 31, averaging 22. Corrected tip resistance, q_t, from the CPT probes ranges from 70 to 238 tsf, correlating to N-values of about 17 to 50, averaging 27. The top of Stratum S3 ranges from Elev. -85.5 to Elev. -90.5. Stratum S3 was not fully penetrated by the borings/CPT probes, but is expected to continue to approximately Elev. -150 as described above in Section 4.0.

8.2 Groundwater

Groundwater was measured in the piezometer installed in Boring B-1P on September 13, 2022, at a depth of 6.1 feet, corresponding to Elev. -0.4, and on January 11, 2024, at a depth of 4.8 feet, corresponding to Elev. +1.0. Porewater pressure measurements recorded by the CPT probes on August 31, 2022, and January 9 and January 10, 2024, in Strata S1 and S2 indicate groundwater at depths ranging from about 2 to 5 feet, corresponding to about Elev. -0.2 to +2.8. Groundwater levels are expected to vary on a daily basis due to tidal influences, and vary seasonally due to changes in rainfall and other influences. In general, we expect normal groundwater levels between about Elev. -1 and +2. Higher groundwater levels may occur during storm surges and extreme weather events.

9.0 RECOMMENDED DESIGN PARAMETERS

Recommended soil design parameters are provided in Table 9.1 below for use in the design of foundations and temporary construction works such as excavation shoring.

Table 9.1 – Soil Design Parameters

Parameter		Stratum				
	F	S1	S2	SC	C	S3
Total Unit Weight (pcf)	120	110	125	120	100	120
Effective Unit Weight (pcf)	58	48	58	58	38	58
Angle of Internal Friction (deg)	30	30	34	28	0	33
Cohesion (psf)	0	0	0	0	1,000	0
At-Rest Earth Pressure Coefficient, K_o	0.50	0.50	0.44	N/A	N/A	N/A
Active Earth Pressure Coefficient, K_a	0.33	0.33	0.28	N/A	N/A	N/A
Passive Earth Pressure Coefficient, K_p	3.00	3.00	3.54	N/A	N/A	N/A
Ultimate Friction Factor, S – Soil to Concrete	0.3	0.3	0.4	N/A	N/A	N/A

Table 1 Notes:

1. Effective unit weights should be used below the groundwater table and water pressure should be added.
2. Surcharge loads above the ground surface should be included in accordance with the NYC Building Code.
3. For basement walls restrained at the top and bottom (rigid walls), use at-rest pressures. For walls restrained at the bottom and free at the top (flexible), active earth pressures may be used.
4. Active and passive pressures may be computed using Rankine or Coulomb earth pressure theory.

9.1 Design Groundwater Levels

Groundwater is expected to vary between approximately Elev. -1 and +2. For design purposes, we recommend use of a normal design groundwater level at Elev. +3. Foundations and below grade structures must also accommodate a temporary rise in groundwater levels up to the ground surface or higher during a flood event depending on the selected strategy for flood proofing (i.e. dry or wet flood proofing). The use of elevated stress levels in design is appropriate under such temporary loading conditions.

9.2 Flood Levels

Preliminary Flood Insurance Rate Maps (FIRM), produced by the Federal Emergency Management Agency, dated January 30, 2015, indicate that the site lies in Zone AE with a Base Flood Elevation of Elev. +11 (NAVD 88). The Base Flood Elevation corresponds to the 1% annual flood, or 100-year return period.

10.0 SEISMIC EVALUATION

Structural design of the building foundations and superstructure must comply with the Code. The Code requires an evaluation of the seismic Site Class to determine the seismic design parameters and an assessment of the potential hazard of soil liquefaction under the seismic event specified by the Code.

10.1 Liquefaction

Loose granular soils and low-plasticity fine-grained soils below the groundwater table and within 50 feet of the ground surface have the potential to liquefy during earthquake shaking. Liquefaction susceptibility was initially assessed using the Code's Liquefaction Assessment Diagram (Figure 1813.1), which compares field measured SPT N-values corrected to an equivalent transferred energy of 60%, termed N_{60}, with specified liquefaction "screening lines". Soils with N_{60} values plotting to the left of the screening lines are considered potentially liquefiable requiring a liquefaction evaluation, while those with values plotting to the right of the liquefaction screening lines are considered unlikely to liquefy. Using the normal groundwater level of Elev. +2, the Code screening diagram indicates that the soils below groundwater in Stratum S1 are potentially liquefiable. Therefore, a liquefaction evaluation is required.

We initially evaluated the liquefaction potential of the underlying soils below the groundwater table using the Seed and Idriss (1971) simplified procedure, as modified by the consensus NCEER Workshops (Youd et al, 2001) with the available SPT and CPT data. Based on the measured shear wave velocities in SCPT-1 and SCPT-2, the Code specifies analyzing liquefaction potential using a peak ground acceleration PGA_M of 0.26g for the Geometric Mean Maximum Considered Earthquake (MCE_G) adjusted for Site Class effects. Using the Code specified PGA_M and the SPT N-values and CPT measurements at the site, our analysis shows the potential for liquefaction of a thin layer (about 3 feet thick) within Stratum S1 in all borings and CPT probes in the depth interval between about 10 and 15 feet.

Based on the presence of potentially liquefiable soils, the site is classified as Site Class F by the Code, and a site-specific seismic site response evaluation is required to determine the seismic design response spectrum for structures with a period greater than 0.5 seconds. Using the results of the site-specific response evaluation (described in Section 10.2 below), we reevaluated the liquefaction potential of the underlying soils below the groundwater table using the lower PGA of 0.208g indicated by the site response study. Under the reduced PGA, our analysis still shows the potential for liquefaction of a thin soil layer (about 1 to 2 feet thick) within Stratum S1 in all CPT probes and for one SPT interval in Boring B-2 (Sample 5D).

Initiation of liquefaction potential can result in a significant loss of soil strength and stiffness. We understand the proposed structure will be supported on deep foundations. Liquefaction impacts pile supported structures primarily by inducing settlement around the piles (a form of "downdrag" on the pile and differential settlements at connections to surrounding grades and utilities) and by reducing the ability of the soils to resist lateral loads by reducing their strength, turning them into a more cohesive state. For the design of deep foundations and connection with utilities, we have estimated the magnitude of seismically induced settlement of the soil deposit (free-field), using Zhang et al. (2002) procedures to range between about 0.5 and 3 inches. However, it should be noted that accurately estimating seismically induced ground settlement is difficult and estimates should be considered approximate. Seismically induced settlements should be considered additional to any other static settlements.

10.2 Site Class

Based on the presence of potentially liquefiable material the Seismic Site Class is F and a seismic response study is required to determine the seismic design spectrum. We performed a site-specific seismic response study based on the geologic, seismologic, and soil characteristics of the site. The borings and CPTs revealed a consistent soil profile to a depth of 120 feet. As discussed above, the Stratum S3 glacial sands are expected to extend to the top of older cretaceous soils at a depth of about 150 feet. Bedrock at the site is mapped at a depth of about 600 feet. Therefore, a single soil profile was analyzed to determine the recommended design spectrum. Properties for the soil and rock layers below the depth of exploration were estimated from available sources and historic data. We refer to the memorandum in Appendix D for a detailed summary of our seismic analyses.

Recommended Design Spectrum: The recommended site-specific response spectrum is presented in Figure S-1 as a plot of Spectral Acceleration (SA) vs structural period (T) for structural damping (ξ) of 5%. The SA values correspond to 2/3 of the Code specified design earthquake. SA values for discrete structural periods are provided in the table included on Figure S-1.

The limitations in applying the design spectrum of Figure S-1 are:

- Site Class is F.
- Recommended design spectrum developed for the foundation bottom elevation based on a site-specific seismic study performed by MRCE according to 2022 New York Building Code (Code). The spectral acceleration SA values correspond to 2/3 of the Risk-targeted Maximum Considered Earthquake (MCE_R) Code event.
- The recommended design response spectrum was developed based on the bottom of foundation structure, approximately 4 feet below the ground surface.
- The recommended design spectrum supersedes any generic site response spectrum and we recommend using it in accordance with ASCE 7-16 § 21.4 for the equivalent lateral force procedure. The spectrum shall be used for the range of periods shown. The SA values at 0.2 sec, S_{DS}, and at 1 sec, S_{D1}, cannot be used to generate an alternative response spectrum for the site.
- Structural damping ξ of 5%.

Based on the S_{DS} and S_{D1} shown on Figure S-1 and assuming a Structural Occupancy/Risk Category II or III, the structure should be designed to Seismic Design Category B.

11.0 FOUNDATION DESIGN RECOMMENDATIONS

Foundation recommendations are based on the findings of the subsurface investigation and the proposed building configuration depicted on the Schematic Drawings for Sea Park North, 2828 West 28th Street, prepared by Dattner Architects and the Preliminary Column Layout and Foundation Loads (Drawing SK-S1), prepared by Murray Engineering, PC. Foundation recommendations should be reviewed and revised if the scope of the proposed construction changes significantly from that described herein.

11.1 Challenges in Foundation Design

Foundation selection and design must consider the following subsurface challenges:

1. **Loose and Weak Near Surface Soils** - The surficial fill material and shallow natural soils (Strata F and S1) extending to a depth of about 15 feet are unsuitable as a bearing material for foundations, other than for lightly loaded structures that can tolerate settlement, due to their variable density, potential for liquefaction, and potential presence of layers of compressible organic silt within Stratum S1 that could result in excessive total and/or differential building settlement.

2. **Compressible Stratum C Clay at Depth** - The underlying glacial outwash sands (Stratum S2) are medium compact to compact and are a suitable foundation bearing stratum. However, the sands are underlain by compressible Stratum C clay that is only lightly overconsolidated (precompressed) relative to existing ground stresses. Excessive building settlement may therefore occur if stresses within the clay increase substantially and exceed the clay preconsolidation pressure as a result of new building loads. Increasing the separation distance between the foundation bearing elevation and the top of the clay will allow new building loads to dissipate before reaching the top of the clay, resulting in smaller stress increases within the clay, and reduced building settlement. Therefore, careful consideration of foundation element loads and bearing depths is necessary to consider foundations that bear above the Stratum C clay.

11.2 Foundation Alternatives

The weak surficial soils will preclude the use of shallow foundations (footings or a mat) bearing on natural soil for building support. Foundations must derive their support in the underlying more competent soils. On that basis, viable foundation alternatives to control building settlement include:

- Foundation mat supported on relatively low capacity, **short piles** with shallow penetration in the upper Stratum S2 glacial sands to dissipate foundation loads above the Stratum C clay.
- Fewer, higher capacity **long piles** penetrating into the lower Stratum S3 sand below the Stratum C clay.

11.2.1 Short Piles

Both driven piles and drilled piles are viable shallow pile alternatives. For driven piles, we recommend considering tapered tip piles such as TaperTube piles based on the subsurface conditions. Experience has shown that a tapered tip pile can achieve considerably higher capacity relative to a straight sided cylindrical pile for equal penetration in the Stratum S2 glacial sands due to the combination of bearing and frictional resistance produced by the wedge shape of the taper which is greater than the side friction and end bearing of a cylindrical pipe pile. Drilled pile options include conventional Continuous Flight Auger (CFA) piles, Drilled Displacement (DD) piles, and pressure grouted micropiles. In general, CFA piles have lower capacities for the same pile diameter and pile length when compared to DD piles. Therefore, use of CFA piles may result in more piles, or larger diameter piles compared to DD piles or pressure grouted micropiles.

For the short pile option, we recommend maintaining pile tip elevations at Elev. -25 or higher to allow building loads to dissipate above Stratum C and control building settlement. Table 11.2 summarizes the necessary pile size for several alternative pile types to achieve an allowable pile design load in compression of about 70 to 75 tons with a pile tip at Elev -25.

Table 11.2 – Estimated Pile Size by Type with Pile Tip @ El. -25

Pile Type	Outside Diameter (in)	Design Load in Compression (tons)
Driven Taper Tip Pile	18	75
Drilled Displacement (DD) Pile	14	75
Drilled Continuous Flight Auger (CFA) Pile	18	70
Drilled Pressure Grouted Micropile	16	70

11.2.2 Long Piles

If short piles cannot reasonably control building settlements within tolerable limits due to the magnitude of building loads, deep foundations consisting of long piles which penetrate below Stratum C and into Stratum S3 will be required. The top of Stratum S3 is about 90 to 95 feet below grade. Therefore, pile lengths of about 110 to 120-feet are needed to provide adequate pile penetration into Stratum S3. Both driven piles and drilled piles are viable alternatives for the long pile option. However, driving of long piles through the dense Stratum S2 sands may result in excessive vibrations and potential impacts to adjacent structures. The use of drilled piles is therefore recommended for the long pile option.

The length of CFA and DD piles is generally limited by the height of the fixed-mast drill rig used for installation, which limits the capacity that can be achieved. Pile lengths for CFA and DD piles are generally not greater than 120 feet. Additionally, the soils in Stratum S2 may be too dense for DD pile installation equipment to penetrate the entire stratum thickness. Drilled pressure grouted micropiles on the other hand can advance deeper, generally enabling higher design loads and a reduction in the quantity of piles.

We anticipate allowable pile design loads in compression of about 125 to 175 tons can be achieved with pile tip elevations at about Elev. -110 depending on the selected pile diameter.

11.3 Settlement Estimates and Viability of Short Pile Option

The viability of the short pile option depends on the magnitude of the building loads and resulting building settlement. Settlement analyses were therefore performed to estimate building settlement for the three alternative building construction types under consideration: Cast-in-Place Concrete, Block and Plank, and Steel and Plank.

Short Piles: For foundations consisting of short piles, building settlement must be carefully analyzed for the proposed design loads and pile bearing depths. Settlement will be a combination of elastic compression of the foundation elements and glacial sands of Stratum S2, and consolidation settlement of Stratum C. Elastic settlements will occur with the application of load to the soil as the structure is constructed and should be relatively small. Consolidation settlement due to compression of the Stratum C clay is comparatively greater and will occur more gradually and continue for some time after building construction.

Consolidation settlement is the result of pore water being squeezed out of fine-grained cohesive soils

due to an increase in stress. The magnitude of consolidation settlement is largely controlled by final internal stress imposed by new loads relative to the soil preconsolidation stress (i.e. maximum stress to which the soil was previously loaded). The preconsolidation of a soil deposit is therefore important. Soils that are preconsolidated were subject to higher stresses in their past history. When subject to new loads, a preconsolidated soil will undergo recompression. Recompression produces relatively small settlement. However, new loads exceeding the preconsolidation stress will produce comparably much greater settlement. The ratio of the preconsolidation stress to the in-situ stress (before new loading) is known as the over-consolidation ratio, or OCR. An OCR equal to 2 implies that the soil was previously loaded to twice its current stress state. However, laboratory testing and CPT results indicate that Stratum C is only lightly over-consolidated with an OCR of about 1.2 to 1.4.

Table 11.3 summarizes estimated building settlements for the short pile option for each of the alternative building construction types under consideration.

Table 11.3 – Estimated Building Settlement with Short Pile Option

Building Construction	Building Weight (kips)	Estimated Uniform Building Pressure (tsf)		Stress Increase at Top of Clay (tsf)		Estimated Building Settlement (inch)	
		DL/LL= 4	DL/LL= 6	DL/LL= 4	DL/LL= 6	DL/LL= 4	DL/LL= 6
CIP Concrete	45,000	0.91	0.95	0.55	0.57	3.0	3.3
Block and Plank	44,000	0.89	0.93	0.54	0.56	2.9	3.1
Steel and Plank	36,000	0.73	0.76	0.44	0.46	1.6	1.8

Our settlement estimates are based on the following data and assumptions:

- Preliminary column and foundation loads provided by Murray Engineering, P.C. based on the Schematic Drawings by Dattner Architects for three proposed construction types: Cast-in-Place Concrete, Block and Plank, and Steel and Plank.
- A building design life of 50 years. Settlement estimates used 50 percent of the live load component and considered two dead load (DL) to live load (LL) ratios (4 and 6) provided by Murray Engineering, P.C.
- Use of short piles with tip elevations at Elev. -25 or higher to allow building loads to dissipate before reaching the top of Stratum C.
- Building load assumed as a uniform vertical pressure over an equivalent building footprint area and applied as an equivalent footing about 3 feet above the pile tip.
- Average OCR of Stratum C clay equal to 1.25 based on laboratory testing. We note that our settlement estimates are highly sensitive to the OCR used in the analysis. For the Block and Plank construction, total settlement magnitude increases to about 4.1 inches for an OCR of 1.2 and reduces to about 2.1 inches for an OCR of 1.3. For the Steel and Plank construction, total settlement magnitude ranges from about 2.9 to 1.5 inches for a similar OCR range of 1.2 to 1.3.

As shown graphically in Plate SPP-1, the heavier CIP Concrete and Block and Plank construction options result in stress increases above the preconsolidation stress in the top of the Stratum C clay. As a result, these heavier construction options result in comparably greater building settlement than the Steel and Plank construction as shown in Table 11.3. Furthermore, small changes in the OCR (and corresponding preconsolidation stress) have a large impact on the settlement magnitudes. On that basis, we recommend the lighter construction type (Steel and Plank) if the short pile option is

desired. Long piles penetrating below the Stratum C clay are recommended if either the CIP Concrete or Block and Plank construction options are selected.

Long Piles: For foundations consisting of deep piles, settlement will depend on the foundation type chosen, but should be less than one inch, with differential settlement between columns on the order of ½ inch. The majority of settlement will occur with the application of load to the soil as the structure is constructed. Long term creep settlement of the structure supported on long piles bearing below Stratum C is not anticipated.

11.4 Pile Design

Pile Spacing: Piles should maintain a minimum center-to-center spacing of three pile diameters to avoid a reduction in allowable compression loads. Lateral loads must be reduced to include group effects where pile spacing is less than six pile diameters. Group reduction factors depend on actual pile group arrangement and pile spacing. Consideration of group effects is also required in evaluation of uplift loading (to account for overlapping of failure wedges in soil under tension loading) and downdrag loading.

Pile Downdrag: Piles installed through compressible soils such as Stratum C are subject to downward frictional loading by settling soils contacting the pile. Current development plans are unlikely to cause significant consolidation settlements of Stratum C soils; however, due to uncertainty of future developments in the project area which may include changes in surrounding grades and/or significant dewatering, long piles bearing in Stratum S3 should be designed to account for downdrag loads resulting from compression of Stratum C. Additionally, drag load can arise from liquefaction induced settlements. The potentially liquefiable soils are generally located above Elev. -10 and downdrag loads resulting from liquefaction induced settlement are expected to be minimal. Estimated frictional resistance along the pile shaft from settling soils should be added to the applied loads at the pile head for structural design of the piles. The estimated downdrag load does not need to be added to the test load to verify allowable geotechnical capacity.

Corrosion Considerations: If steel piles are utilized, we recommend pile design include a loss of 1/8 inch in pile diameter (1/16 inch all around perimeter) to account for corrosion over the useable life of the structure. For concrete or grouted piles, a minimum of 3-inches of cover should be provided between the ground and all reinforcing elements. Use of high sulfate resistant Type V cement is likely not required.

Pile Testing: Pile design loads must be substantiated by load testing. A minimum of two compression load tests are required by Code for buildings occupying an area between 5,000 and 30,000 square feet. If more than one pile type is used, each pile type is subject to the minimum load testing requirements. If pile lateral loads exceed 1 ton, lateral load tests are required by the Code. Tension testing is not required if a minimum safety factor of 3 is demonstrated by analysis. Installation and testing of pile foundations are subject to Special Inspection by a qualified geotechnical engineer in accordance with the Code.

11.5 Slabs at Grade Level

Ground level of the proposed building is planned near existing grade at about Elev. +5.5. The design groundwater level is at Elev. +3, and the Preliminary Base Flood Elevation is at Elev. +11. Ground floor slab design may consist of a slab on grade or structural slab depending on the strategy for flood proofing the ground level portions of the building. Where dry flood proofing is provided, the ground

floor slabs should be designed as structural slabs capable of resisting hydrostatic pressures during flood loading.

11.6 Below Grade Walls

Development plans do not currently include a cellar level. However, elevator rundown and trap pits are expected to extend below grade. Permanent foundation walls should be designed to withstand long-term, at-rest earth pressures and water pressures consistent with Code requirements. These pressures can be calculated using an equivalent fluid pressure of 60 psf per foot of depth above the groundwater table and 95 psf per foot below the design groundwater level.

Below grade wall walls must also accommodate temporary increases in lateral pressure such as may occur from a temporary stockpiling of materials or equipment adjacent to the structure or a temporary rise in groundwater levels up to the ground surface as may occur during a flood event. For surcharge loading, we recommend foundation wall design include a temporary uniform vertical surcharge of 300 psf at the ground surface. Lateral pressure from this surcharge should be calculated using an at-rest earth pressure coefficient of 0.5 applied as a uniform lateral earth pressure of 150 psf over the upper 15 feet of the wall. The use of elevated stress levels is appropriate in the design of foundation walls for these temporary load conditions.

11.7 Waterproofing

The proposed development is located in a low-lying coastal community with a Base Flood Elevation located about 5 to 6 feet above existing grade. Therefore, occasional flooding events with flood waters located at or above the ground surface should be expected over the design life of the building.

Elevator rundown pits are expected to extend about 6 feet below existing surface grades, and about 2 to 3 feet below the normal groundwater level. In order to prevent water infiltration into elevator pits and ground floor interior spaces during flooding events, it will be necessary to install waterproofing on the exterior of below-grade walls and below ground floor slabs. We recommend using a bonded membrane waterproofing system for all interior ground floor areas, placed below the underside of the slab and on the exterior of below grade walls with a suitable protection board used to prevent damage to the waterproofing during installation. Bonded membranes are installed prior to casting concrete, so-called “blind-side” applications. If the walls are double formed with sufficient work areas on the exterior of the foundation walls, we recommend installation of a post applied membrane on the exteriors of the cured concrete walls. Form ties penetrating the walls often result in leaks; therefore, we recommend that the forms be externally braced. Construction joints in all below-grade structures including walls and slabs should be furnished with hydrophilic waterstops, such as Swellseal joints.

The waterproofing system must be carefully designed and detailed. Construction inspection by a qualified inspector experienced with foundation waterproofing is vital to provide proper quality control. It has been our experience that waterproofed spaces may eventually develop leaks, in some cases due to slab cracking or gaps in the membrane, despite good construction practice and inspection. Remedial grouting may be needed to stem minor leakage. As an alternative, integral concrete waterproofing, such as Krystol concrete waterproofing by Kryton, may be considered.

12.0 CONSTRUCTION CONSIDERATIONS

Construction of the proposed building requires installation of deep foundations and excavation to a depth of approximately 6 feet below ground surface for construction of elevator pits and pile caps. Temporary works including excavation support, construction dewatering, and monitoring systems are required to facilitate this below grade construction.

12.1 Special Inspection Requirements

In accordance with the Code, Special Inspection for the work discussed in this report will include but is not limited to subsurface conditions – subgrade inspection, deep foundations, fill placement & in-place density, and excavations – sheeting, shoring, and bracing.

12.2 General Excavation

Construction of pile caps and elevator pits requires excavation of Strata F and S1 soils. Excavation of site soils can be accomplished using conventional earth moving equipment. While the borings and CPTs did not encounter significant obstructions in the fill, existing remnant foundations, slabs, and other obstructions may be present and will likely require removal using pneumatic hammers.

12.3 Support of Excavation (SOE)

Temporary construction excavations in soil should be sloped as necessary for safety and stability or supported by sheeting and bracing in accordance with OSHA regulations. Open-cut excavation is permissible for shallow excavations, such as for pile caps or local pits within the general excavation, provided such excavation is stable and does not undermine or cause damage to adjacent structures. Where such conditions permit, the excavation sides should be sloped no steeper than 1V:1.5H in soil. Sloped excavations along public sidewalks should be protected using a thin concrete cover, minimum three inches thick, to prevent erosion and undermining of the sidewalk and/or street. For deeper excavations, or where conditions do not permit sloped excavations, vertical shoring such as drilled-in soldier piles and timber lagging or steel sheeting can be used. SOE design must be performed by a New York State licensed Professional Engineer experienced in this work.

12.4 Dewatering

Temporary construction dewatering is required for excavations penetrating below the water table. We recommend groundwater levels be lowered in advance of excavation and maintained a minimum of two feet below subgrade elevation to provide a dry and stable subgrade for foundation construction.

Considering the anticipated elevator pit and pile cap depth is approximately 2 feet below the normal groundwater level, dewatering will likely be required to facilitate foundation construction. The dewatering system, including monitoring of the system and adjacent structures, must be designed by a Professional Engineer with dewatering experience. The NYC Department of Environmental Protection (NYC DEP) requires discharge permits for disposal of groundwater extracted from temporary, construction-related sources. The NYS Department of Environmental Conservation (NYS DEC) also requires a Long Island Well Permit in order to install and operate a dewatering system.

12.5 Pile Installation and Verification Testing

Load testing to verify design loads is required by Code prior to installation of production elements.

Two compressive load tests are required to satisfy the Code for the proposed building area. If compression load tests are performed from an elevation above final cut-off elevation, test loads must be increased to account for resistance above proposed pile cutoff elevation and instrumentation installed to evaluate the stiffness of the soils at and below the pile head. Lateral load tests, if required, should be performed from an elevation at or close to final pile cutoff.

Pile installation and testing should be performed by experienced specialty subcontractors and carefully monitored by a qualified geotechnical engineer. Following completion of load testing, the Contractor should submit a plan for review by the Owner and geotechnical engineer for installation of production elements including proposed final installation criteria. Production elements must be installed to the minimum tip elevations established by load testing using the same equipment and methods used in installation of the test piles.

12.6 Earthwork / Backfill

Structural Fill is recommended for use below slabs on grade and pavements and should conform to the Code requirements for structural fill: a well graded sand, gravel, crushed rock, recycled concrete aggregate, or a mixture of these containing no organic matter, wood, brick, or other deleterious material with a maximum of 10 percent passing the No. 200 sieve, as determined from the percent passing the No. 4 sieve. Structural Fill should be placed and compacted in lifts, not exceeding 12 inches loose, at its optimum moisture content plus or minus 2 percent, and to a minimum of 95 percent of modified Proctor maximum dry density (ASTM D1557).

Granular soils of Stratum F and S1 may be suitable for reuse as fill provided that they meet the above gradation requirements; are free of organic or other deleterious materials; particles larger than three inches are removed; and moisture content is suitable for compaction. Grain size (gradation) and Proctor (density) testing is required to determine if the onsite soil is suitable for reuse as structural fill. Some processing may be needed including sieving and moisture conditioning. Otherwise, granular material can be imported for fill. Both on-site soils and sources of off-site borrow should be subjected to laboratory testing including grain size and moisture-density tests prior to use to determine if they meet the specified backfill requirements.

12.7 Protection of Adjacent Structures

The adjacent structures located on Lot 1, and Lots 63 through 97 are expected to be supported on shallow foundations without below grade cellars. All adjacent structures are set back from the proposed building footprint by more than 50 feet. The existing 15-story building on Lot 11 is likely supported on deep foundations and is set back from the proposed building footprint by about 50 feet. The support of excavation scheme as described in Section 12.4 above must provide sufficient rigidity to prevent movement of these structures during construction. Excavation for building foundations is expected to be performed with open cuts of limited depth and lateral extents. On that basis, the adjacent structures are expected to be outside the zone of influence of excavation. Vibrations from driven piles, if used in building construction, are expected to impact a wider zone of influence.

Additional protection measures during construction to limit nuisance disturbances at the adjacent properties and to protect the public along the sidewalks should also be considered. In particular, drilling operations have the potential to spray drilling fluid and soil cuttings. The foundation contract documents should include provisions to protect adjacent properties and the public from such nuisances, such as the erection of temporary barriers when drilling near the adjacent buildings and sidewalks.

12.8 Construction Monitoring

A pre-construction condition survey of the adjacent buildings within 100 feet of construction should be made to document existing conditions. The survey should include photographs of existing conditions with written description of any defects observed. Crack gauges should be installed to monitor existing cracks (as permitted by owner). A post-construction survey is recommended to verify building and structure conditions.

A program to monitor vibration and movement of adjacent structures during construction is required by Code. The monitoring program should include seismographs and survey points on adjacent buildings to measure construction vibrations and vertical and lateral movements and should identify threshold criteria and limiting values for vibration and deformation based on the condition and movement tolerances of adjacent structures. Survey points should also be established at regular intervals along each side of the excavation support system for similar movement monitoring. Monitoring should occur on a regular basis during demolition, excavation, and foundation construction. Noise monitoring could be considered depending on community issues. Monitoring plans may be included as a component of other drawings such as support of excavation.

13.0 GEOTECHNICAL REVIEW OF FOUNDATION DESIGN AND CONSTRUCTION

Interaction between the geotechnical and structural engineer is essential as foundation design progresses to optimize building foundations and confirm building settlement performance under final loadings. Geotechnical review and assistance in preparation of foundation plans and specifications for below grade work is also recommended so that foundation and construction recommendations provided herein are properly interpreted and implemented in the design and contract documents.

Recommendations for foundation design and construction in this report are based on the information obtained from the borings and CPT probes and associated field and laboratory testing. However, conditions on the site may vary between discrete boring/CPT locations observed at the time of our subsurface exploration. The nature and extent of variations between borings may not become evident until exposed in construction. Geotechnical observation of foundation construction and testing is recommended to provide an opportunity to observe soil conditions and behavior as exposed during construction, evaluate the applicability of the recommendations provided in this report to the soil conditions encountered, and recommend appropriate changes in design or construction procedures if conditions differ from those described herein. We recommend that all foundation construction be observed by qualified geotechnical engineer and special inspector in accordance with the requirements of the New York City Building Code

14.0 CLOSURE

This report is prepared for the sole use of the client and is specific to the project design contemplated at the time of report issue. Foundation design and construction recommendations should be reviewed and modified as necessary if the location, depth or scope of the proposed construction changes from that described herein.

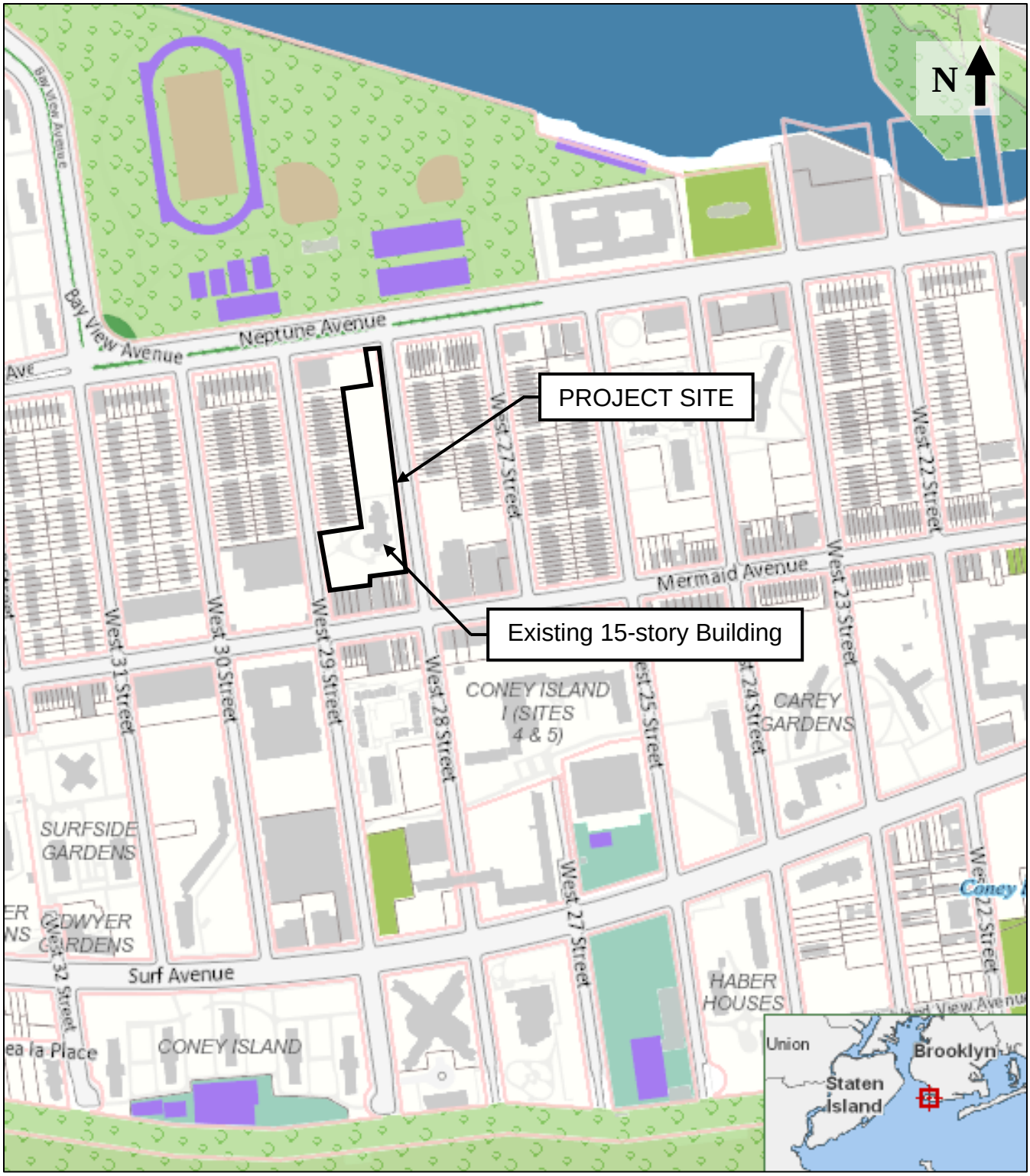
15.0 AVAILABLE INFORMATION

The following information was used to assist in our development of the subsurface investigation and preparation of this report:

1. Schematic Drawings for Sea Park North, prepared by Dattner Architects, dated September 20, 2023.
2. Preliminary Column Layout and Foundation Loads (Drawing SK-S1), prepared by Murray Engineering, PC, dated December 6, 2023.
3. Site Survey, prepared by Gerald T. O'Buckley, dated May 1, 2003, revised May 3, 2016.
4. Geotechnical Investigation Report, Coney Island Commons, Brooklyn, New York, prepared by URS, dated February, 2009, revised May, 2010.
5. Geotechnical Report, SHF: Coney Island Site, 2955 West 28th Street, prepared by MRCE, dated August 25, 2023.
6. Report on Foundations, Coney Island I, Community Development Area Sites 4 & 5, prepared by MRCE, dated June 1971.

GJL:AP:WEK F:\144\14442\Task 11 - Final Inv\Report\Report Text - Final.docx

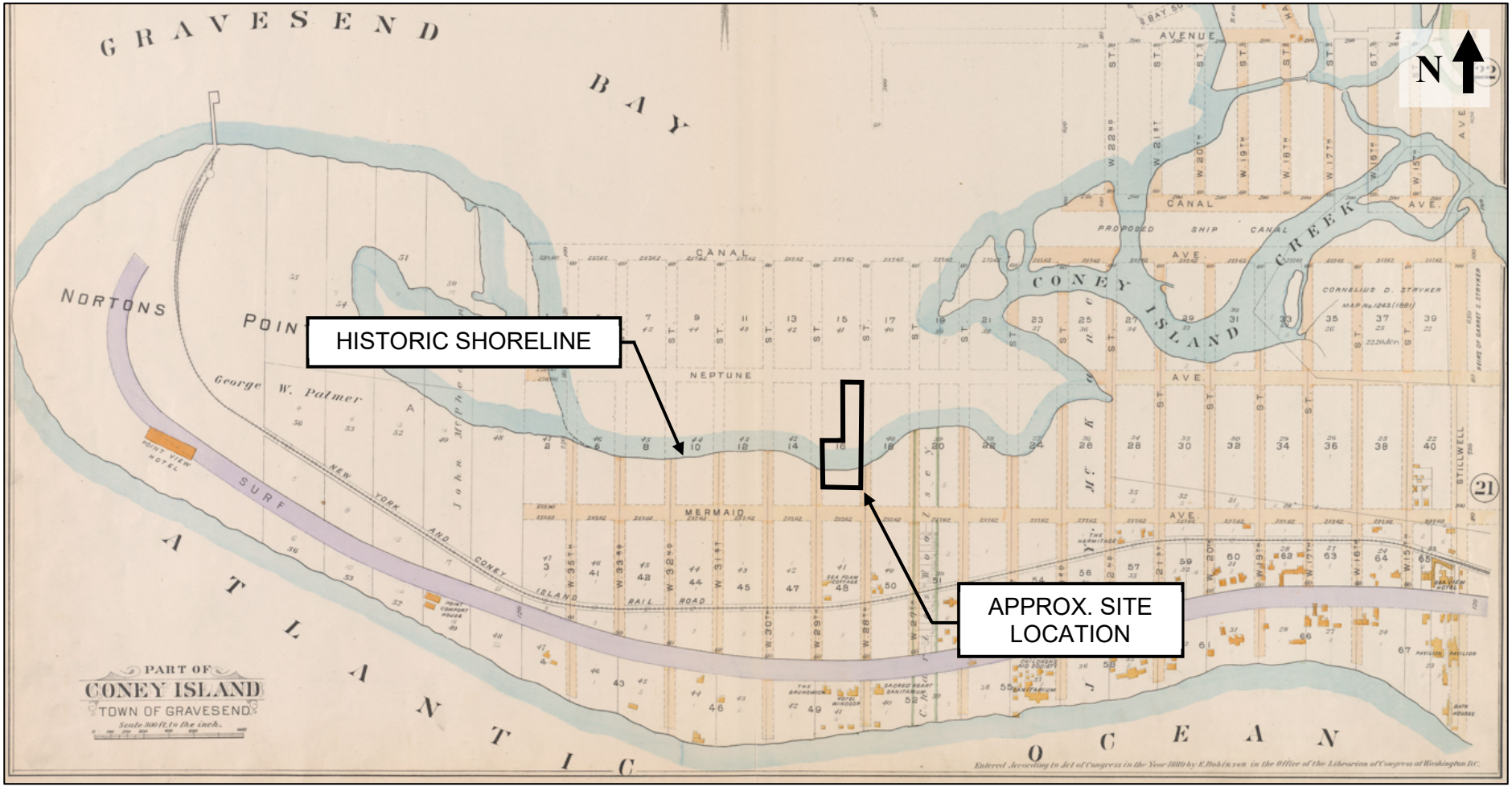
EXHIBITS



NOTES:

Source: Oasis.nyc.net, accessed 09-13-2022.

SEA PARK NORTH			
BROOKLYN			NEW YORK
MUESER RUTLEDGE CONSULTING ENGINEERS			
14 PENN PLAZA – 225 W 34TH STREET, NEW YORK NY 10122			
SCALE	MADE BY: GJL	DATE: 09-13-2022	FILE No.
N/A	CH'KD BY: AP	DATE: 09-13-2022	14442
SITE LOCATION MAP			FIGURE NO. 1



Source: Lionel Pincus and Princess Firyal Map Division, The New York Public Library. (1890). *Plate 20: [Bounded by Bay 46th Street, Harway Avenue, Avenue Z, Stillwell Avenue and (Atlantic Ocean) Surf Avenue.]* Retrieved from https://digitalcollections.nypl.org/items/510d47e2-49d4-a3d9-e040-e00a18064a99

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14 PENN PLAZA – 225 W 34TH STREET, NEW YORK NY 10122			
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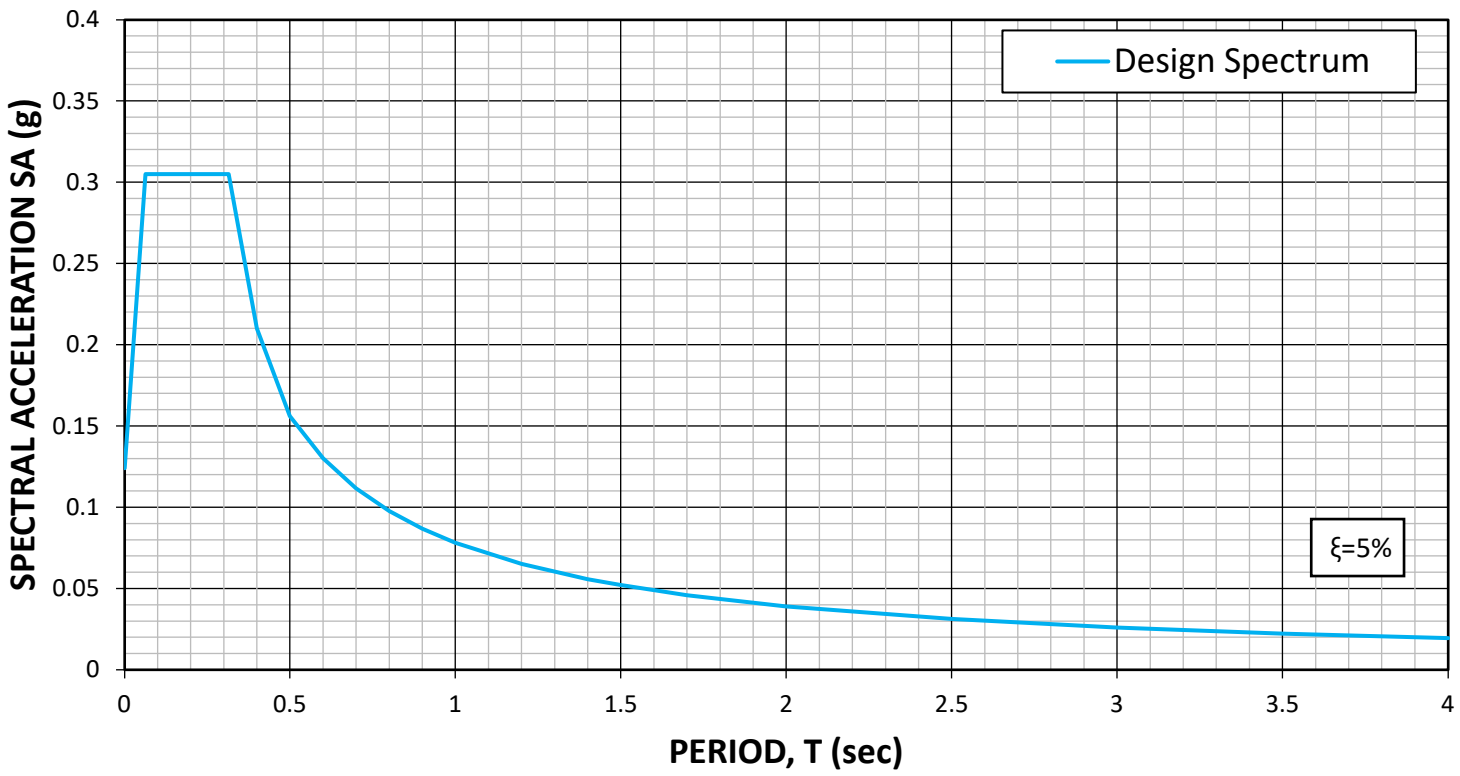
N/A	CH'KD BY: AP	DATE: 09-13-2022	14442
1889 HISTORIC MAP			FIGURE NO. 2



Design Spectrum	
T (sec)	**Sa (g)**
0, PGA	0.124
0.06	0.305
0.2, S_{DS}	0.305
0.31	0.305
0.4	0.210
0.5	0.156
0.6	0.130
0.7	0.112
0.8	0.098
0.9	0.087
1.0, S_{D1}	0.078
1.2	0.065
1.4	0.056
1.5	0.052
1.7	0.046
2	0.039
2.5	0.031
3	0.026
3.5	0.022
4	0.020

Notes:

1. Site Class is F.
2. Recommended design spectrum developed for the foundation bottom elevation based on a site-specific seismic study performed by MRCE according to 2022 New York Building Code (Code). The spectral acceleration SA values correspond to 2/3 of the Risk-targeted Maximum Considered Earthquake (MCE_R) Code event.
3. The recommended design response spectrum was developed based on the bottom of foundation structure, approximately 4 feet below the ground surface.
4. The recommended design spectrum supersedes any generic site response spectrum and we recommend using it in accordance with ASCE 7-16 § 21.4 for the equivalent lateral force procedure. The spectrum shall be used for the range of periods shown. The SA values at 0.2 sec, S_{DS}, and at 1 sec, S_{D1}, cannot be used to generate an alternative response spectrum for the site.
5. Structural damping ξ of 5%.

2828 WEST 28TH STREET

Brooklyn — New York

GILBANE DEVELOPMENT COMPANY

New York — New York

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14 PENN PLAZA – 225 W 34TH STREET, NEW YORK NY 10122

SCALE	MADE BY: MJ	DATE: 02-14-24	FILE No.
N/A	CH'KD BY: CZ	DATE: 02-14-24	14442-12

RECOMMENDED DESIGN RESPONSE SPECTRUM

FIGURE S-1

TABLE NO. 1

SUMMARY OF LABORATORY TEST DATA

SAMPLE IDENTIFICATION					CLASSIFICATION PROPERTIES								PHYSICAL PROPERTIES												
										UNIFIED SOIL CLASSIFICATION SYSTEM			STRENGTH						CONSOLIDATION						
BORING NUMBER	SAMPLE NUMBER	ELEVATION , FT.	STRATUM DESIGNATION	IN-SITU UNIT WEIGHT, PCF	AVERAGE NATURAL WATER CONTENT, W_n , %	LIQUID LIMIT, W_L ,%	PLASTICITY INDEX, I_P , %	NATURAL WATER CONTENT OF LIMIT SAMPLE, W_n , %	SPECIFIC GRAVITY OF SOLIDS, G_s	GROUP SYMBOL	% SAND (< #4 > #200 SIEVE)	% FINES (< #200 SIEVE)	TYPE OF TEST	COMPRESSIVE STRENGTH (σ_1 - σ_3), TSF	CONFINING PRESSURE** TSF	STRAIN AT FAILURE, %	NATURAL WATER CONTENT, W_n , %	WATER CONTENT AT END OF TEST, W_f , %	NATURAL WATER CONTENT, W_n , %	INITIAL VOID RATIO, e_o	EXISTING OVERBURDEN STRESS, P_o , TSF	ESTIMATED PRECONSOLIDATION STRESS, P_c , TSF	COMPRESSION INDEX, C_c	SWELLING INDEX, C_s	TEST TYPE OR STRAIN RATE DURING LOADING, %/HR
B-1P	17S	-57.3	C	105	48	58	29	51.6	2.70	CH-OH									54.9	1.477	1.9	2.4	0.73	0.10	IL
B-2	17S	-65.6	C	101	61	78	41	64.4	2.71	OH									64.2	1.734	2.0	2.8	0.84	0.12	IL
B-3	21S	-75.6	C	102	61	74	38	63.3	2.71	OH									64.9	1.740	2.2	2.8	0.93	0.12	IL
B-4	14D	-51.5	SC							SC		27.2													
	15D	-56.5	C		49	45	22	49.4		CL-OL															
	18S	-69.5	C		62	70	36	60.2	2.70	OH															
	21D	-81.5	C		51	65	39	49.3		CH-OH															
B-5	15D	-55.0	SC		35					SC		31.6													
B-6	16S	-59.0	C	107	45	49	23	44.9	2.71	CL-OL									45.5	1.299	1.9	2.0	0.57	0.06	1.0
	22D	-86.0	C		53	57	30	53.4		CH-OH															

STRATA DESIGNATIONS

C - Organic Silty Clay

SC - Organic Clayey Sand

NOTES

1. All tests summarized were performed in the laboratory of Mueser Rutledge Consulting Engineers.
2. The sample elevation is the average of the sampling interval.
3. Ground surface elevations at borings are:

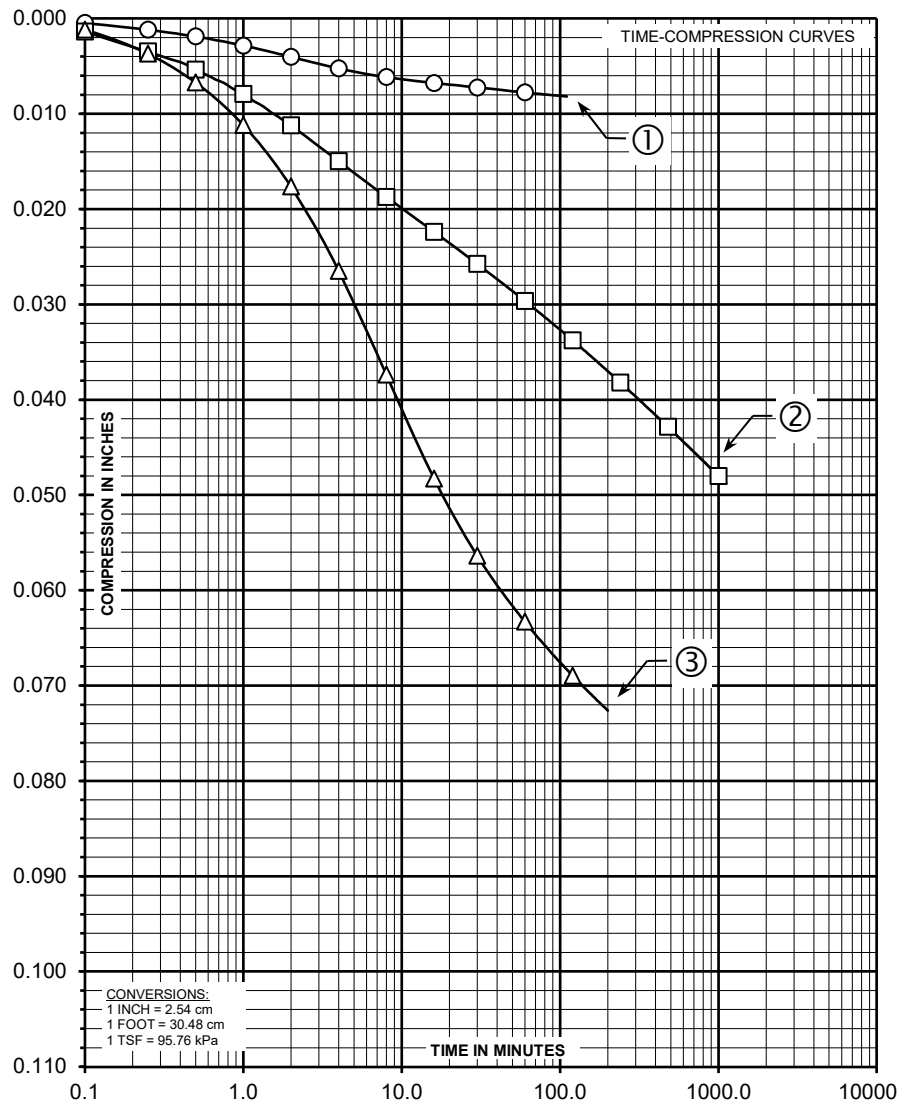
BORING NO.	BORING ELEVATION
B-1P	+5.8 ±
B-2	+5.4 ±
B-3	+5.4 ±
B-4	+4.5 ±
B-5	+6.0 ±
B-6	+5.0 ±

4. "Average natural water content" is a weighted average of all material tested.
5. Compression Index, Cc = slope of the virgin compression portion of the e-log p curve.
6. Swelling Index, Cs = slope of the rebound portion of the e-log p curve.
7. Most probable preconsolidation stress, Pc is determined by the Casagrande method of construction.
8. Consolidation tests were performed using incremental loading (IL), or constant rate of strain (CRS) at the strain rate indicated.

MRCE Form LT-1

MUESER RUTLEDGE CONSULTING ENGINEERS
225 WEST 34th STREET, NEW YORK, N.Y. 10122

SEA PARK NORTH (2828 W. 28TH STREET)
BROOKLYN **NEW YORK**



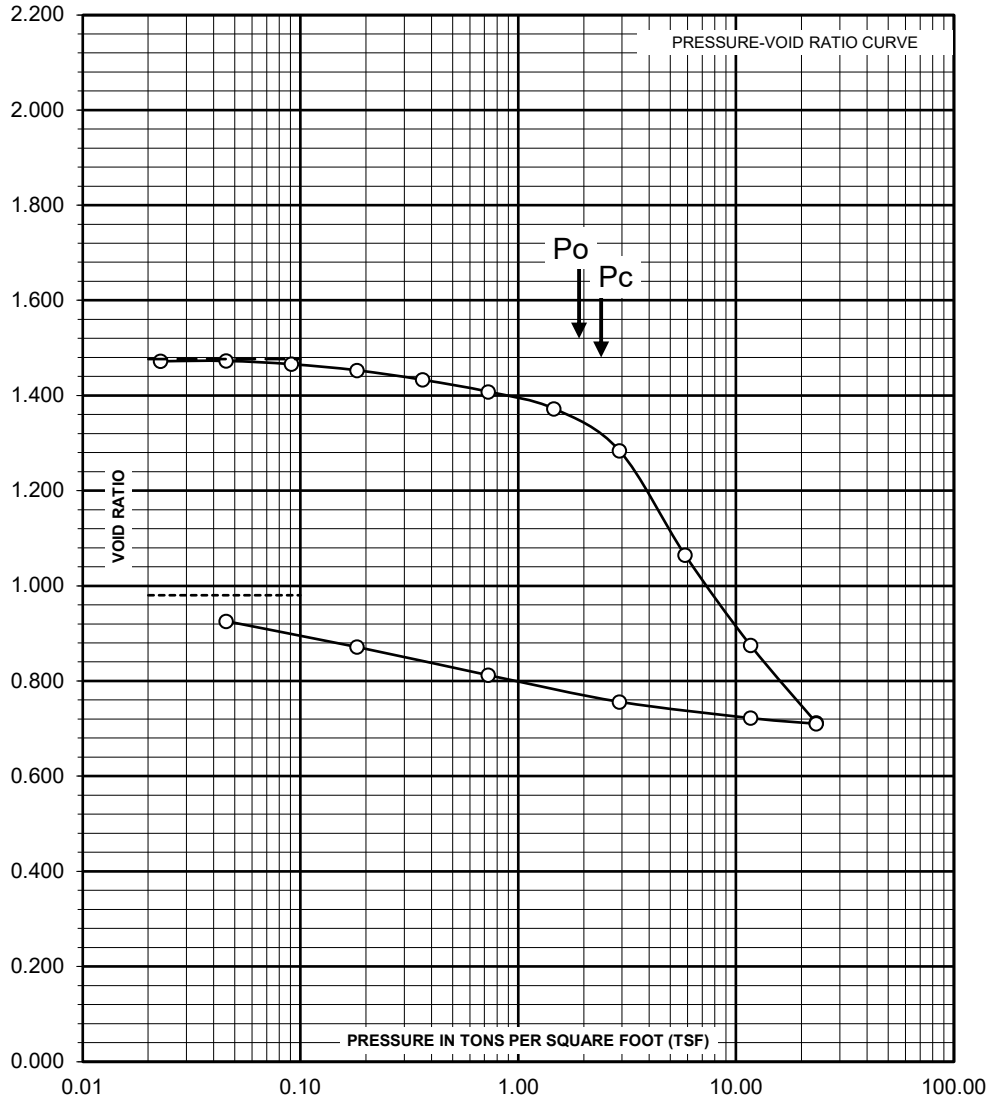


PLATE NO. C-1

CURVE NO.	INCREMENT FROM (TSF)	INCREMENT TO (TSF)
○	0.36	0.73
□	1.46	2.92
△	2.92	5.83

SPECIMEN DESCRIPTION: GRAY SILTY CLAY, TRACE SHELLS, FINE SAND — STRATUM C

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

UNIFIED SOILS CLASSIFICATION - CH
LIQUID LIMIT, w_L = 58
PLASTIC LIMIT, w_P = 29
PLASTICITY INDEX, I_P = 29
NATURAL WATER CONT., W_n% = 51.6
LIQUIDITY INDEX, $(w-w_P)/I_P$ = 0.77
SPECIFIC GRAVITY, G_s = 2.699

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN = -58.0
DEPTH OF SPECIMEN (FT) = 63.7
DIAMETER OF SPECIMEN (IN) = 2.51
INITIAL THICKNESS OF SPECIMEN (IN) = 0.995
INITIAL WATER CONTENT, % = 54.9
FINAL WATER CONTENT, % = 38.4
INITIAL DEGREE OF SATURATION, % = 100.4
FINAL DEGREE OF SATURATION, % = 105.6

— — — — INITIAL VOID RATIO, e_o = 1.477
- - - - - - - - - FINAL VOID RATIO, e_f = 0.981
$\Delta e/e_0$ AT IN-SITU EFF. OVERBURDEN STRESS = 0.079
ESTIMATED PRECONSOLIDATION STRESS (TSF), P_c = 2.4
IN-SITU EFFECTIVE OVERBURDEN STRESS (TSF), P_o = 1.9
COMPRESSION INDEX, C_c = 0.730
SWELLING INDEX, C_s = 0.095, REBOUND FROM e = 0.711

SEA PARK NORTH (2828 W. 28TH ST.)

BROOKLYN NEW YORK

MUESER RUTLEDGE CONSULTING ENGINEERS

225 WEST 34TH STREET, NEW YORK, N.Y. 10122

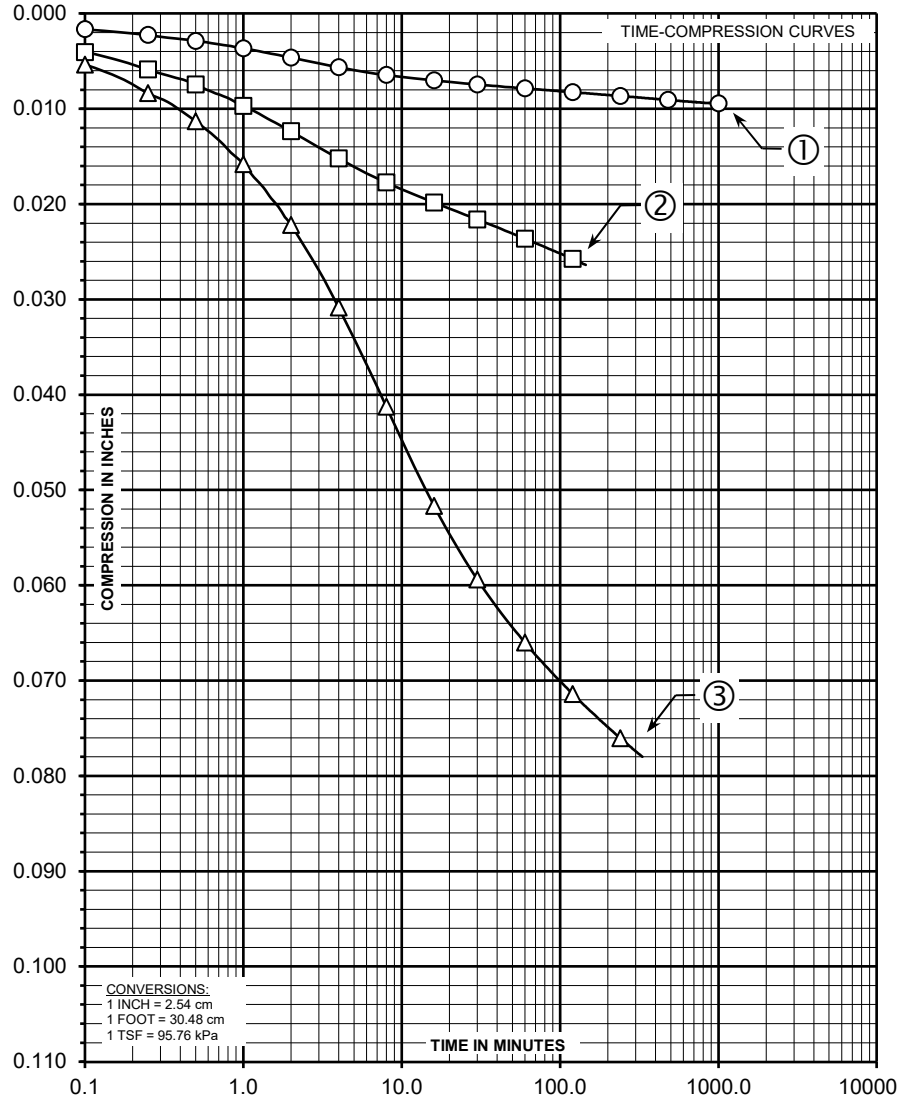
MADE BY: SJ DATE: 10-10-2022 FILE NO. **14442**

CH'KD BY: HK DATE: 10-12-2022

CONSOLIDATION TEST

BORING NO. B-1P SAMPLE NO. 17S

PLATE NO. C-1



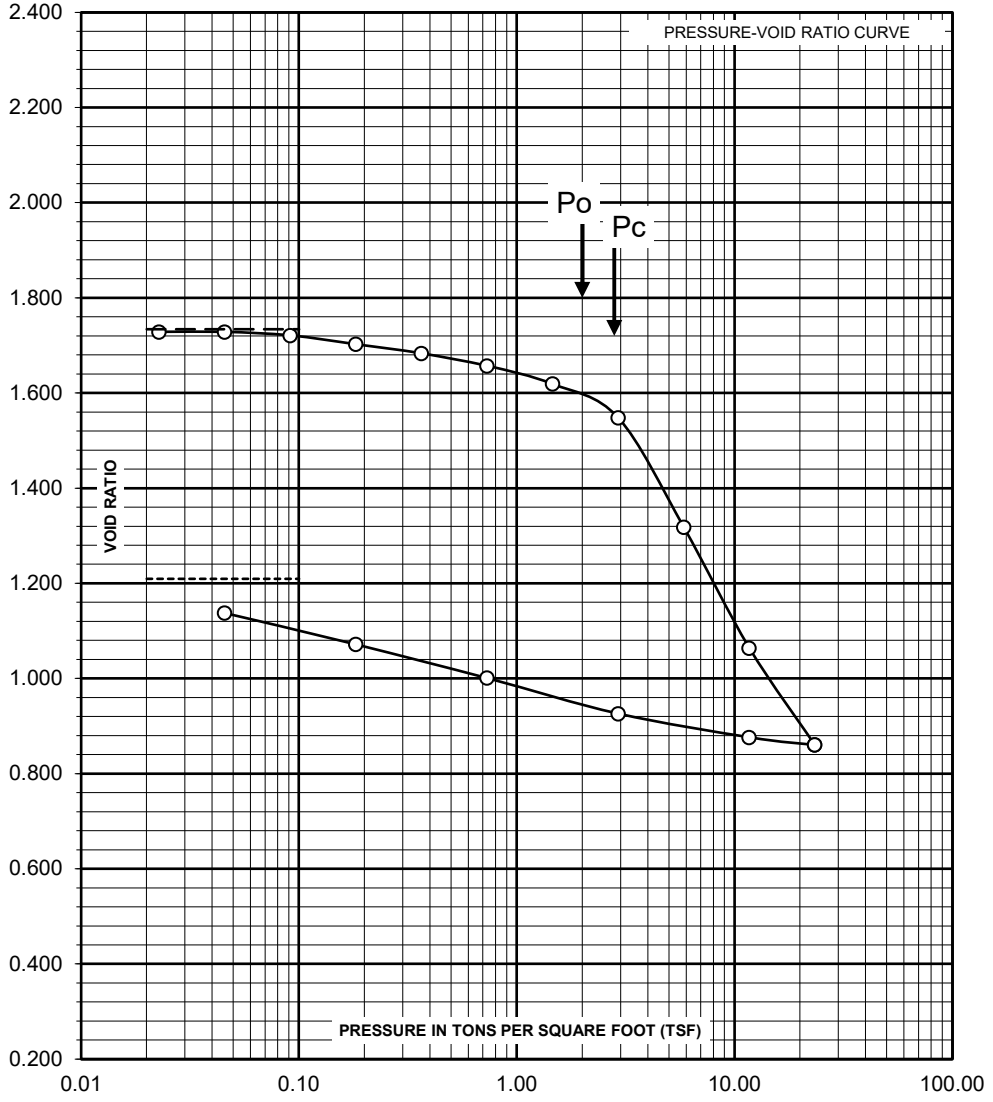


PLATE NO. C-2

CURVE NO.	INCREMENT FROM (TSF)	INCREMENT TO (TSF)
○	0.37	0.73
□	1.46	2.92
△	5.84	11.68

SPECIMEN DESCRIPTION: GRAY ORGANIC CLAY, TRACE SILT, SHELLS, FINE SAND (OH) — STRATUM C

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

UNIFIED SOILS CLASSIFICATION - OH
LIQUID LIMIT, w_L = 78
PLASTIC LIMIT, w_P = 37
PLASTICITY INDEX, I_P = 41
NATURAL WATER CONT., W_n% = 64.4
LIQUIDITY INDEX, $(w-w_P)/I_P$ = 0.67
SPECIFIC GRAVITY, G_s = 2.706

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN = -66.3
DEPTH OF SPECIMEN (FT) = 71.7
DIAMETER OF SPECIMEN (IN) = 2.51
INITIAL THICKNESS OF SPECIMEN (IN) = 0.993
INITIAL WATER CONTENT, % = 64.2
FINAL WATER CONTENT, % = 47.0
INITIAL DEGREE OF SATURATION, % = 100.2
FINAL DEGREE OF SATURATION, % = 105.2

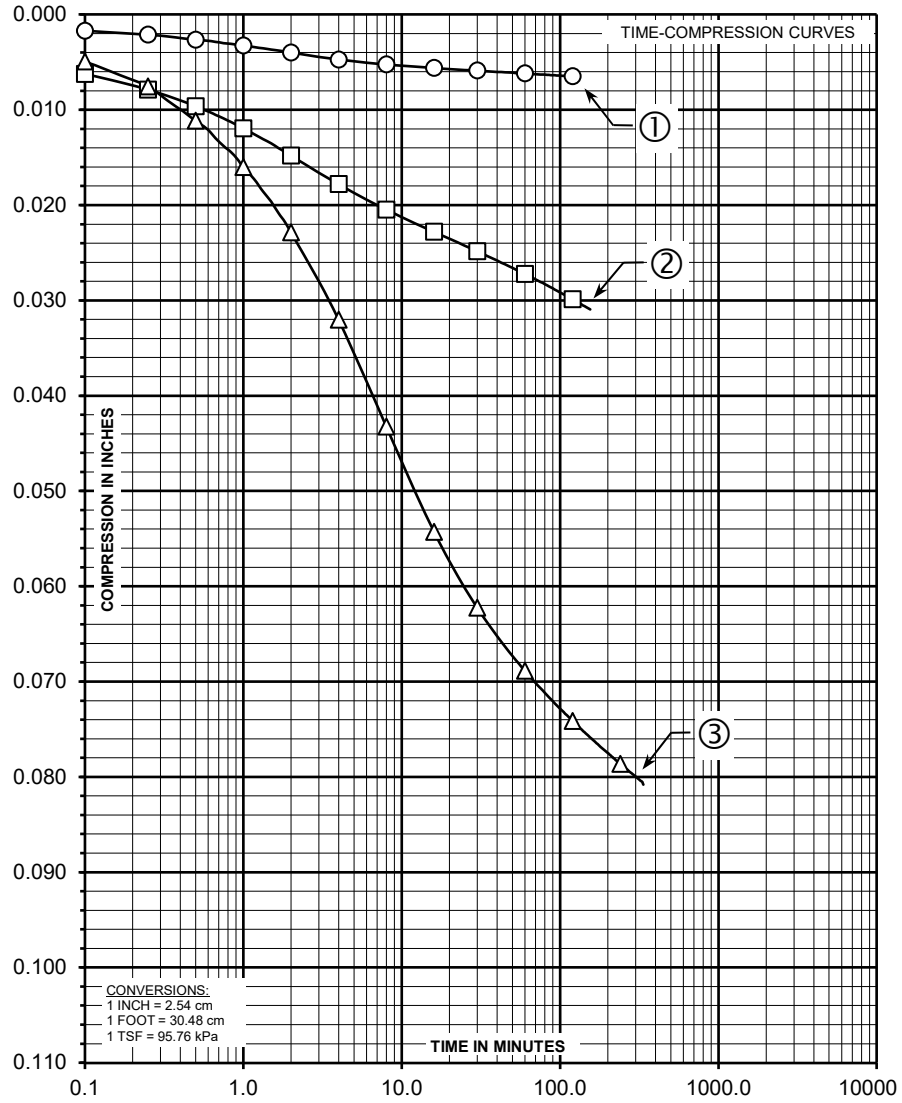
INITIAL VOID RATIO, e_o = 1.734
FINAL VOID RATIO, e_f = 1.210
$\Delta e/e_0$ AT IN-SITU EFF. OVERBURDEN STRESS = 0.075
ESTIMATED PRECONSOLIDATION STRESS (TSF), P_c = 2.8
IN-SITU EFFECTIVE OVERBURDEN STRESS (TSF), P_o = 2.0
COMPRESSION INDEX, C_c = 0.840
SWELLING INDEX, C_s = 0.115, REBOUND FROM e = 0.861

SEA PARK NORTH (2828 W. 28TH ST.)
BROOKLYN NEW YORK
MUESER RUTLEDGE CONSULTING ENGINEERS
225 WEST 34TH STREET, NEW YORK, N.Y. 10122

MADE BY: SJ DATE: 10-04-2022 FILE NO. **14442**
CH'KD BY: HK DATE: 10-12-2022

CONSOLIDATION TEST
BORING NO. B-2 SAMPLE NO. 17S
PLATE NO. C-2

MRCE Form CONSOL-1



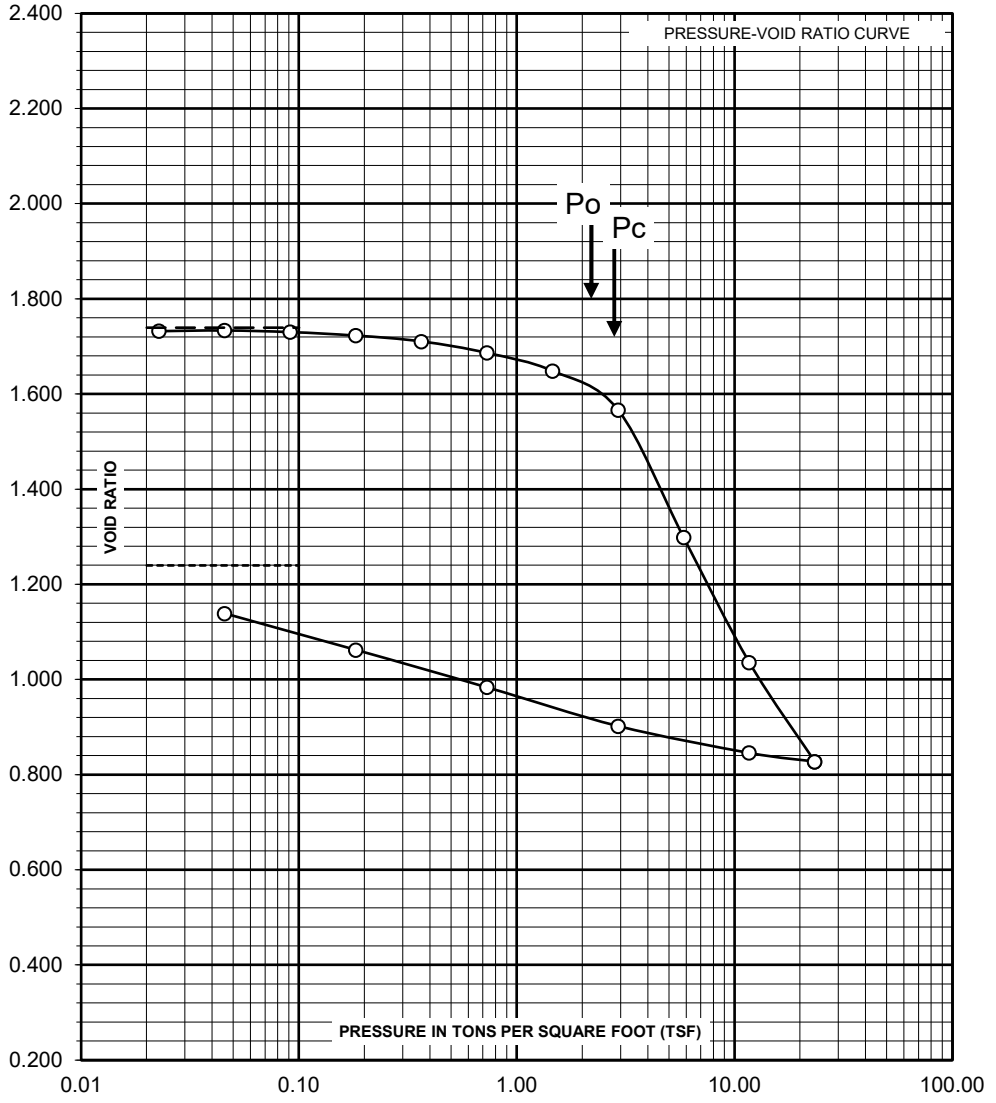


PLATE NO. C-3

CURVE NO.	INCREMENT FROM (TSF)	INCREMENT TO (TSF)
○	0.36	0.73
□	1.46	2.92
△	5.84	11.68

SPECIMEN DESCRIPTION: GRAY ORGANIC SILTY CLAY, TRACE FINE SAND — STRATUM C

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

UNIFIED SOILS CLASSIFICATION - OH
LIQUID LIMIT, w_L = 74
PLASTIC LIMIT, w_P = 36
PLASTICITY INDEX, I_P = 38
NATURAL WATER CONT., W_n% = 63.3
LIQUIDITY INDEX, $(w-w_P)/I_P$ = 0.71
SPECIFIC GRAVITY, G_s = 2.710

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN = -76.3
DEPTH OF SPECIMEN (FT) = 81.7
DIAMETER OF SPECIMEN (IN) = 2.51
INITIAL THICKNESS OF SPECIMEN (IN) = 0.994
INITIAL WATER CONTENT, % = 64.9
FINAL WATER CONTENT, % = 48.4
INITIAL DEGREE OF SATURATION, % = 101.0
FINAL DEGREE OF SATURATION, % = 105.9

INITIAL VOID RATIO, e_o = 1.740
FINAL VOID RATIO, e_f = 1.240
$\Delta e/e_0$ AT IN-SITU EFF. OVERBURDEN STRESS = 0.066
ESTIMATED PRECONSOLIDATION STRESS (TSF), P_c = 2.8
IN-SITU EFFECTIVE OVERBURDEN STRESS (TSF), P_o = 2.2
COMPRESSION INDEX, C_c = 0.930
SWELLING INDEX, C_s = 0.120, REBOUND FROM e = 0.828

SEA PARK NORTH (2828 W. 28TH ST.)

BROOKLYN NEW YORK

MUESER RUTLEDGE CONSULTING ENGINEERS

225 WEST 34TH STREET, NEW YORK, N.Y. 10122

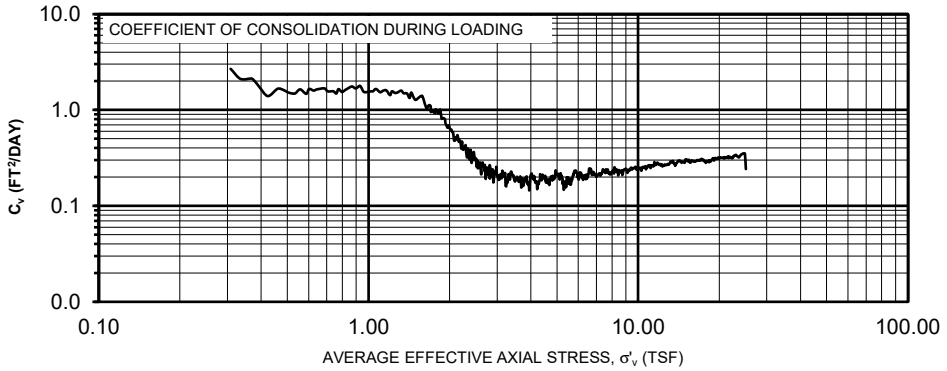
MADE BY: SJ DATE: 10-05-2022
CH'KD BY: HK DATE: 10-12-2022

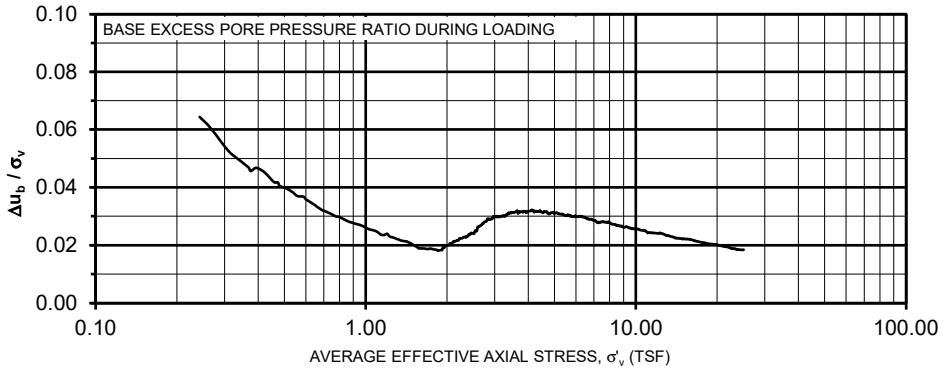
FILE NO. **14442**

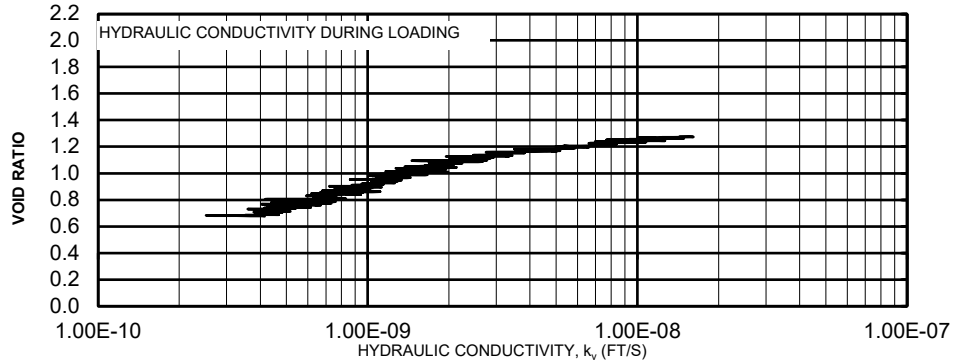
CONSOLIDATION TEST

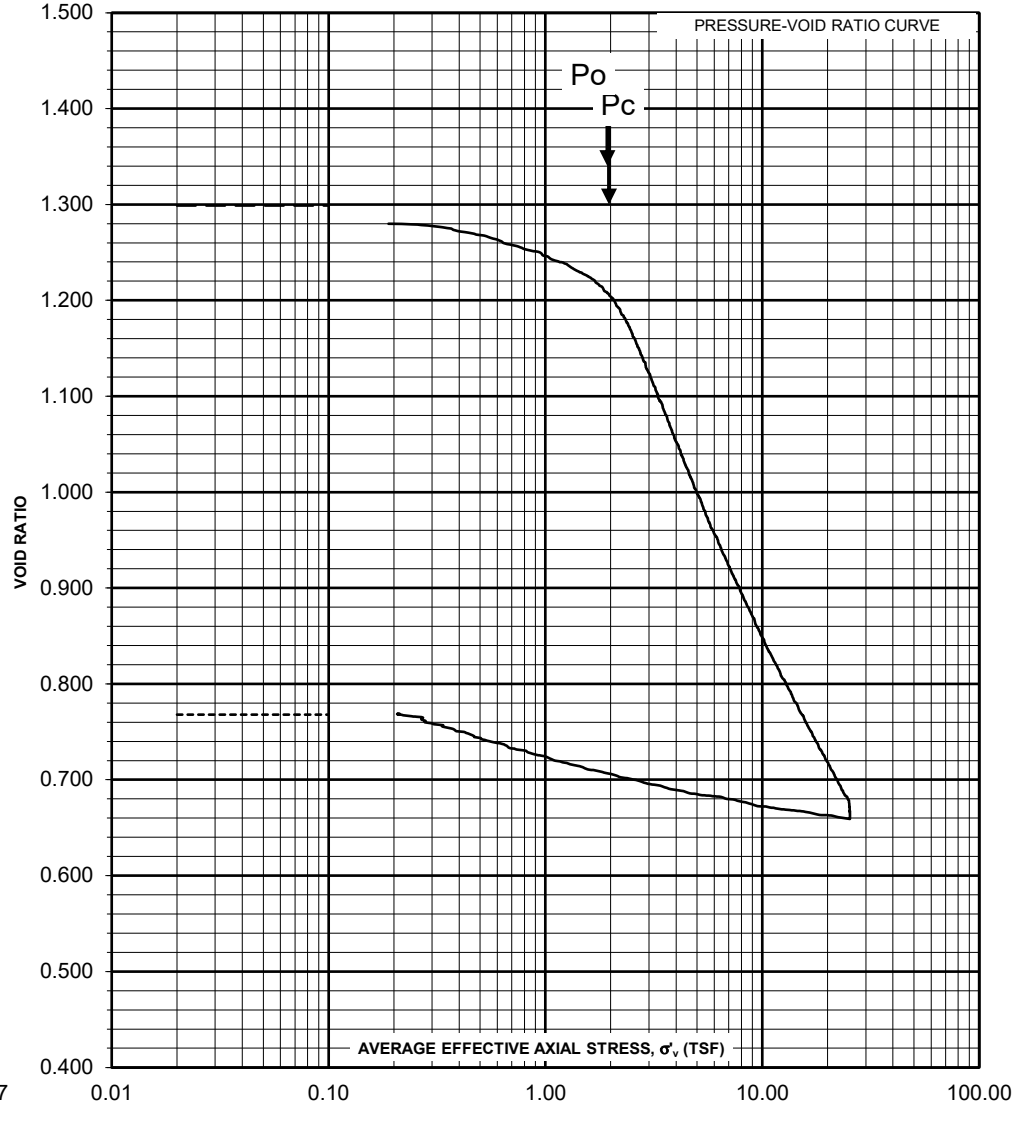
BORING NO. B-3 SAMPLE NO. 21S

PLATE NO. C-3



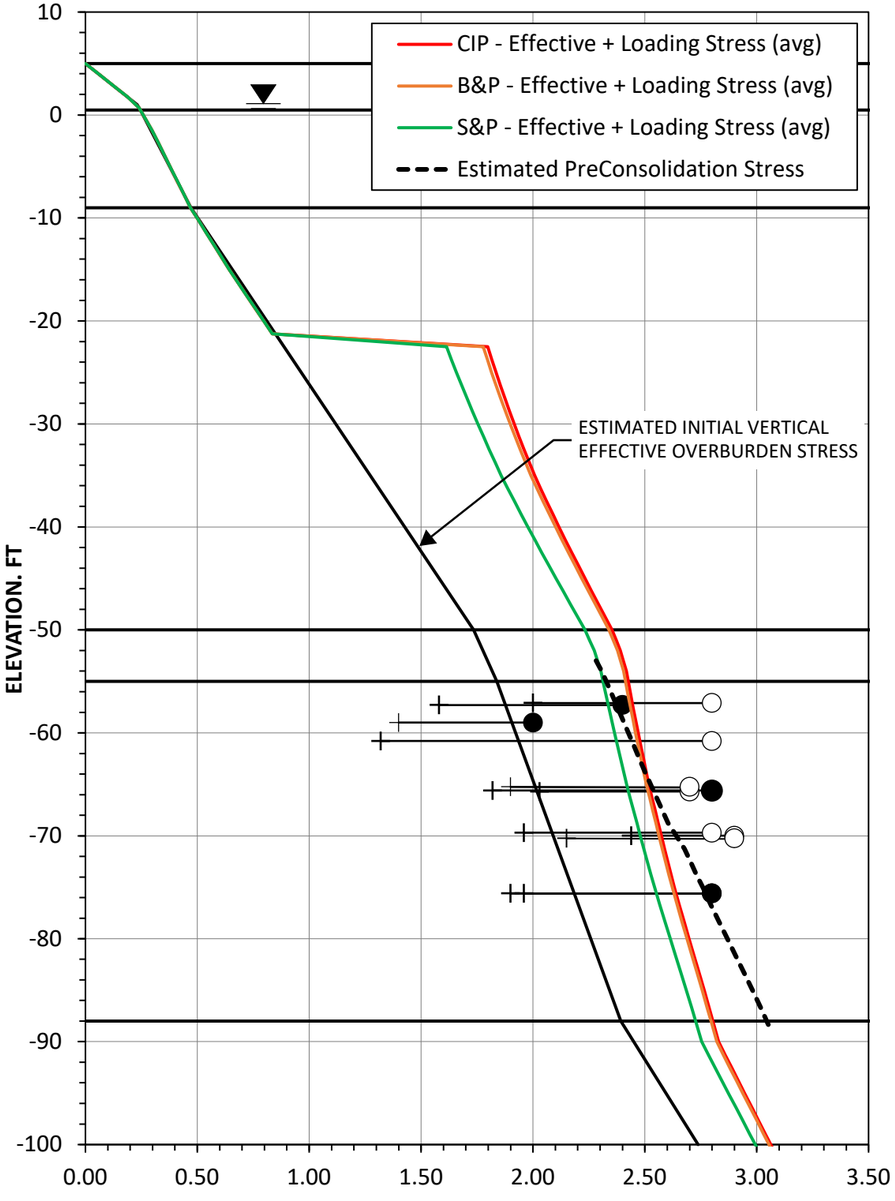




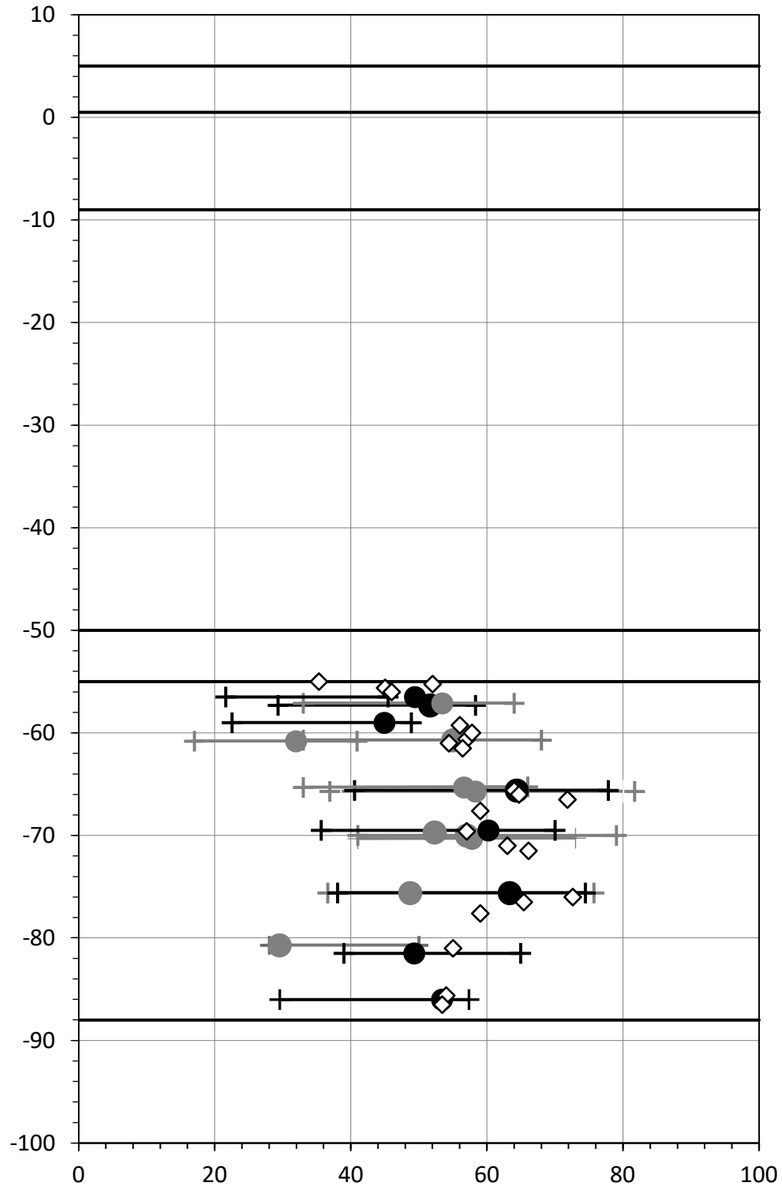


SPECIMEN DESCRIPTION:	GRAY ORGANIC SILTY CLAY, TRACE FINE SAND, SHELLS					STRATUM O	
PROPERTIES OF PLASTICITY LIMIT SPECIMEN	UNIFIED SOILS CLASSIFICATION = OL	PROPERTIES OF CONSOLIDATION SPECIMEN	SAMPLE ELEVATION (FT) = -58.8	INITIAL WATER CONTENT, % = 45.5%	FINAL PORE PRESSURE RATIO $R_{u,l}$ = 0.018	**SEA PARK NORTH (2828 W. 28TH ST.)**	
	LIQUID LIMIT, w_L = 49		SAMPLE DEPTH (FT) = 63.8	FINAL WATER CONTENT, % = 28.9%	— — - INITIAL VOID RATIO, e_o = 1.299	BROOKLYN NEW YORK	
	PLASTIC LIMIT, w_P = 26		TEST TEMPERATURE, °F = 73.0	INITIAL DEG. OF SATURATION, % = 95.0%	------- FINAL VOID RATIO, e_f = 0.768	**MUESER RUTLEDGE CONSULTING ENGINEERS**	
	PLASTICITY INDEX, I_P = 23		INITIAL SPECIMEN MASS (g) = 129.5	BACK PRESSURE, u_b (PSI) = 90.0	$\Delta e/e_0$ AT IN-SITU EFF. STRESS = 0.070	225 WEST 34TH STREET, NEW YORK, N.Y. 10122	
	NATURAL WATER CONT., W_n,% = 44.9		INITIAL SPECIMEN HEIGHT (IN) = 0.940	STRAIN AT END OF SAT. $\varepsilon'_{a,s}$, % = 0.8	EST. PRECONSOL. STRESS (TSF) = 2.0	MADE BY: SJ DATE: 01-30-2024	FILE NO.
	LIQUIDITY INDEX, $(w-w_P)/I_P$ = 0.82		SPECIMEN DIAMETER (IN) = 2.50	SEATING PRESSURE, $\sigma'_{a,s}$ (TSF) = 0.188	IN-SITU EFF. STRESS, Po (TSF) = 1.9	CH'KD BY: GJL DATE: 01-31-2024	**14442**
	SPECIFIC GRAVITY, G_s = 2.711		INITIAL TOTAL UNIT WEIGHT (PCF) = 106.9	STRAIN RATE - LOADING (%/HR) = 0.99	COMPRESSION INDEX, C_c = 0.565	**CRS CONSOLIDATION TEST**	PLATE NO.
			INITIAL DRY UNIT WEIGHT (PCF) = 73.5	STRAIN RATE - UNLOAD (%/HR) = 0.40	SWELL INDEX, Cs = 0.057, FROM e = 0.659	BORING NO. B-6 SAMPLE NO. 16S	CRS-1

PLATE NO. CRS-1



OVERBURDEN & PRECONSOLIDATION STRESSSES AND COMPRESSIVE STRENGTH - TONS PER SQ. FT



NATURAL WATER CONTENTS AND PLASTICITY LIMITS - PERCENT OF DRY WEIGHT

TYPICAL GROUND WATER LEVEL

$P_{C,MIN}$ — P_C PC - PRECONSOLIDATION STRESS (SEA PARK NORTH)

PC - SUPPLEMENTAL DATA

s_v' - VERTICAL EFFECTIVE OVERBURDEN STRESS

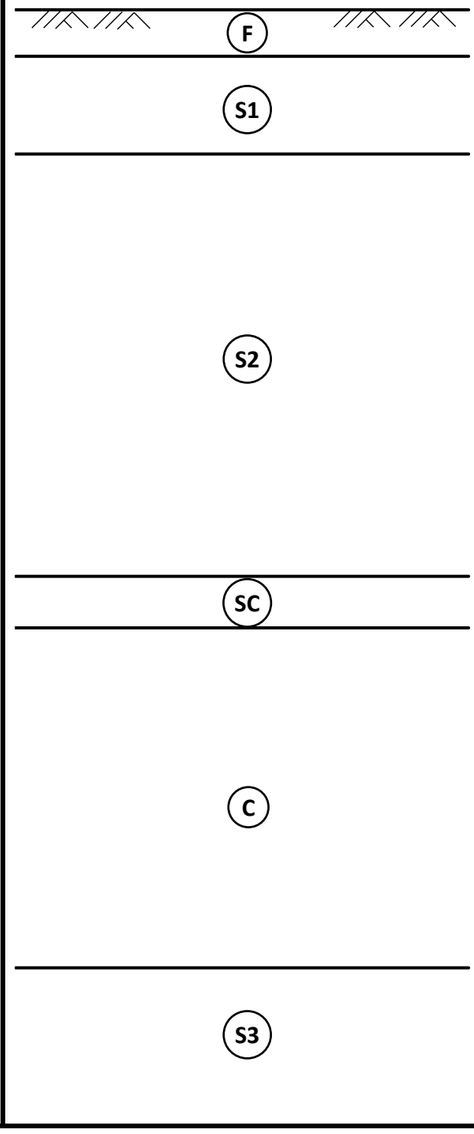
PLASTIC LIMIT — LIQUID LIMIT

NATURAL WATER CONTENT OF LIMIT SPECIMEN

WATER CONTENT OF SPT SAMPLE

GRAY LINES AND DATA POINTS INDICATE SUPPLEMENTAL DATA

SOIL PROFILE FOR EFFECTIVE STRESSES



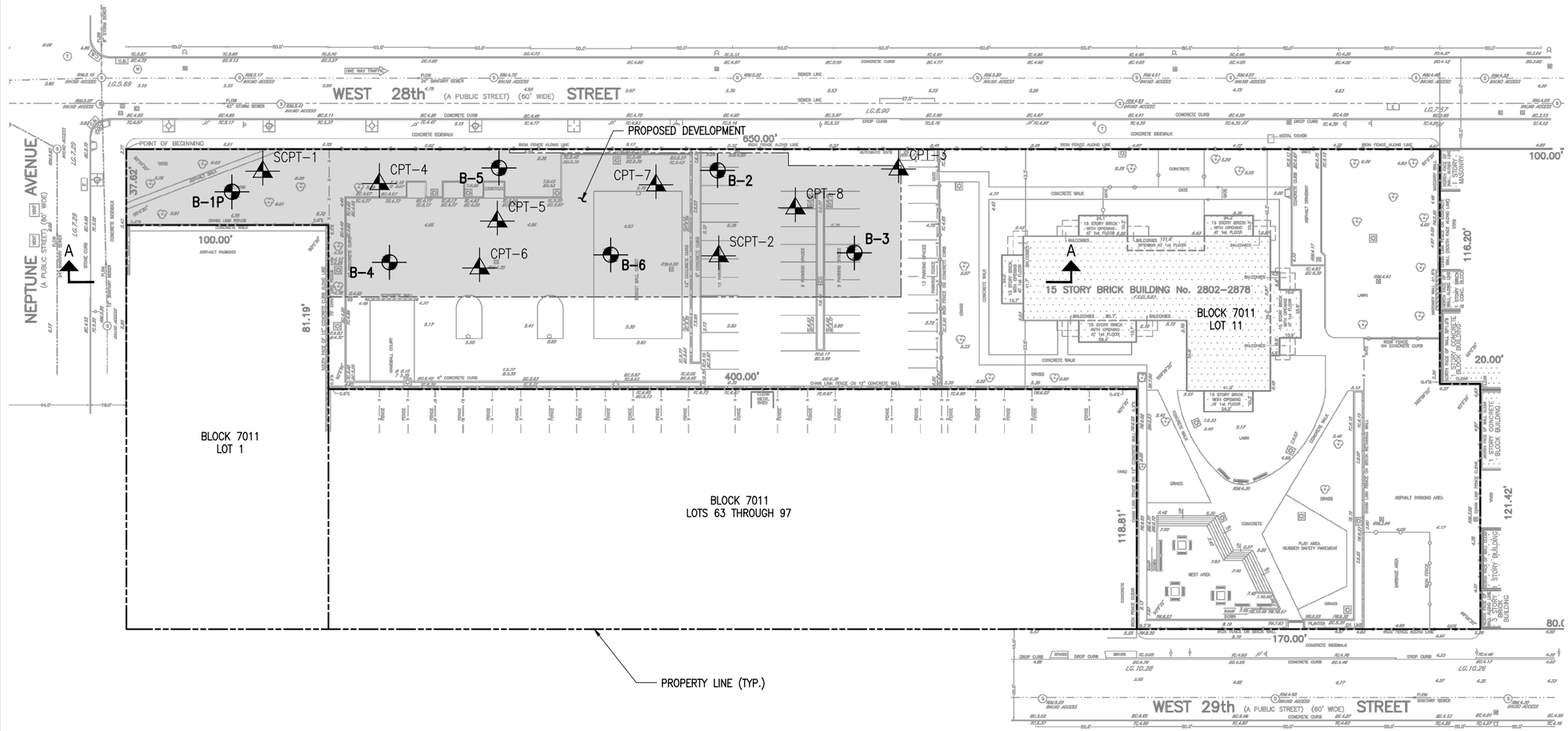
SEA PARK NORTH

BROOKLYN NEW YORK

GILBANE DEVELOPMENT COMPACNY

NEW YORK NEW YORK

MUESER RUTLEDGE CONSULTING ENGINEERS, PLLC 14 PENN PLAZA – 225 W 34TH STREET, NEW YORK NY 10122	14442
SOIL PROPERTIES PROFILE	PLATE NO. SPP-1



NOTES:

1. BASE PLAN OBTAINED FROM SITE SURVEY, PREPARED BY GERALD T. O'BUCKLEY, DATED MAY 1, 2003, REVISED MAY 3, 2003, OBTAINED FROM SITE SURVEY, SHEET Z-105.00, PREPARED BY AUFGANG ARCHITECTS, DATED SEPTEMBER 6, 2016.
2. PROPOSED DEVELOPMENT LIMITS OBTAINED FROM SCHEMATIC FIRST FLOOR PLAN, SHEET SK-04, PREPARED BY DATTNER ARCHITECTS, DATED SEPTEMBER 20, 2023.
3. ELEVATIONS ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
4. BORINGS AND CPTS WERE MADE BY CRAIG GEOTECHNICAL DRILLING CO. INC., OF MAYS LANDING NEW JERSEY. BORINGS B-1P THROUGH B-3 AND SCPT-1 THROUGH CPT-3 WERE MADE BETWEEN AUGUST 31 AND SEPTEMBER 13, 2022. BORINGS B-4 THROUGH B-6 AND CPT-4 THROUGH CPT-8 WERE MADE BETWEEN JANUARY 8 AND JANUARY 11, 2024.
5. AS-DRILLED LOCATIONS OF BORINGS AND CPTS WERE MEASURED IN THE FIELD BY MRCE ENGINEERS AND ARE APPROXIMATE.
6. FOR GEOLOGIC SECTION A-A, SEE DRAWING NO. GS-1.

LEGEND:

B-1P
- MRCE BORING
- "P" DENOTES PIEZOMETER

SCPT-1
- MRCE CPT
- "S" DENOTES SEISMIC TESTING

P L A N

GRAPHIC SCALE

30' 20' 10' 0 30' 60'

REV.	DATE	BY	DESCRIPTION

SEA PARK NORTH
2828 W. 28TH STREET
BROOKLYN NEW YORK

GILBANE DEVELOPMENT COMPANY
NEW YORK NEW YORK

MUESER RUTLEDGE CONSULTING ENGINEERS PLLC
14 PENN PLAZA – 225 WEST 34TH STREET, NEW YORK, NY 10122

SCALE	MADE BY: Z.M.	DATE: 02-06-2024	FILE NUMBER
AS NOTED	CH'KD BY: G.J.L.	DATE: 02-06-2024	14442

BORING AND CPT LOCATION PLAN — DRAWING NUMBER B-1

Last saved by: zmatecka on Tuesday, Feb 06, 2024 – 5:26:24 PM
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Printed by: Gregory Lucking
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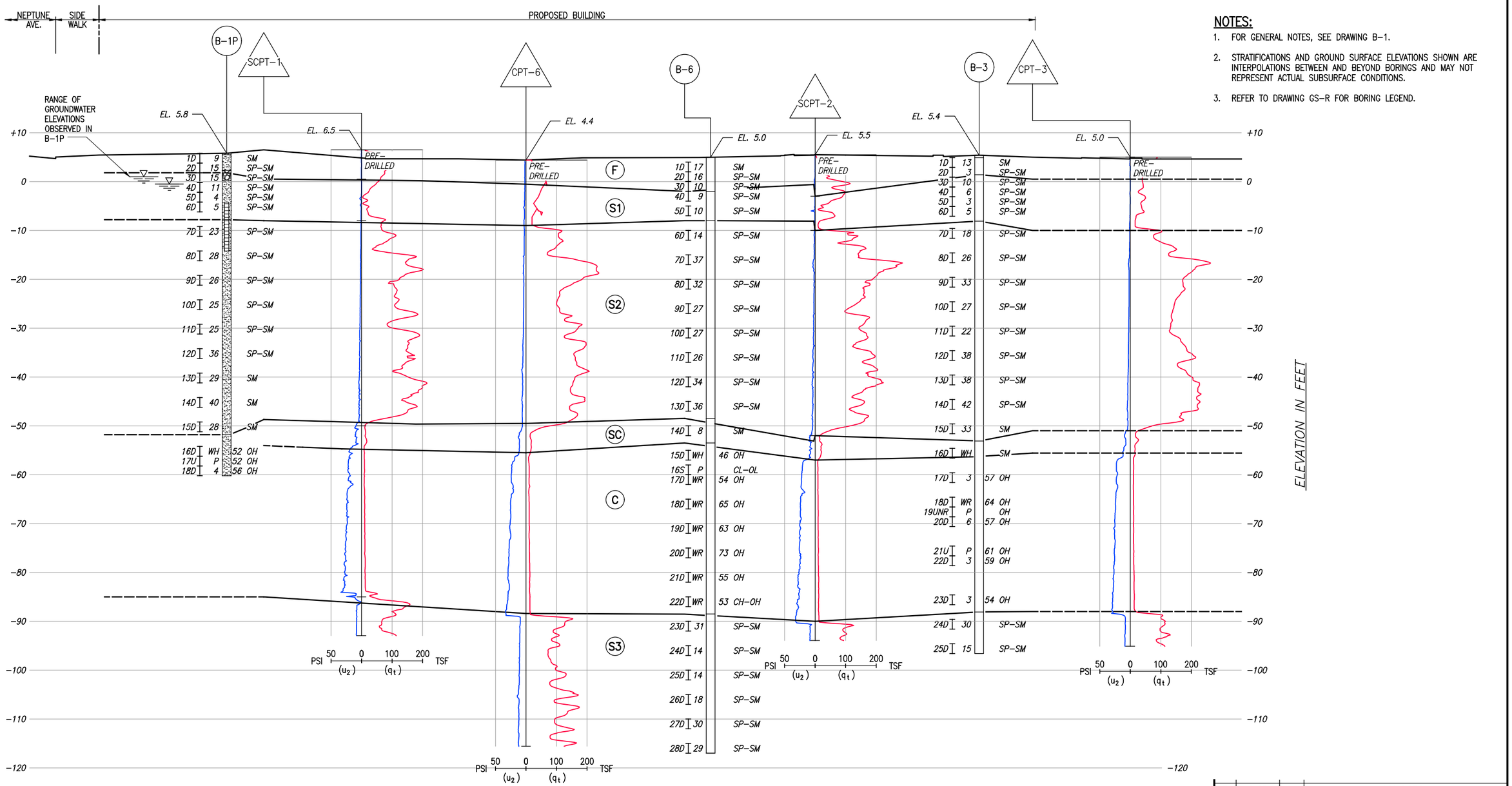

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING B-1.
2. STRATIFICATIONS AND GROUND SURFACE ELEVATIONS SHOWN ARE INTERPOLATIONS BETWEEN AND BEYOND BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.
3. REFER TO DRAWING GS-R FOR BORING LEGEND.

GENERAL STRATA DESCRIPTIONS:

(F) **FILL** – LOOSE TO MEDIUM COMPACT FINE TO COARSE SAND, TRACE TO SOME SILT, BRICK, TRACE GRAVEL, ROOTS

(S1) **SAND** – LOOSE TO MEDIUM COMPACT GRAY FINE TO MEDIUM SAND, TRACE SILT, SHELLS, GRAVEL, TRACE POCKETS AND THIN LAYERS OF ORGANIC SILTY CLAY

(S2) **SAND** – MEDIUM COMPACT TO VERY COMPACT GRAY FINE TO MEDIUM SAND, TRACE SILT

(SC) **ORGANIC CLAYEY SAND** – LOOSE TO MEDIUM COMPACT GRAY ORGANIC CLAYEY FINE SAND, TRACE SHELLS AND SILTY FINE SAND, TRACE MEDIUM SAND, ORGANIC CLAY, SHELLS, VEGETATION

(C) **ORGANIC SILTY CLAY** – MEDIUM GRAY ORGANIC SILTY CLAY, TRACE FINE SAND, SHELLS

(S3) **SAND** – MEDIUM COMPACT TO COMPACT GRAY FINE TO MEDIUM SAND, TRACE SILT, COARSE SAND, GRAVEL

SECTION A-A

VERTICAL: 10' 5' 0 10' 20'

HORIZONTAL: 20' 10' 0 20' 40'

REV.	DATE	BY	DESCRIPTION

SEA PARK NORTH
2828 W. 28TH STREET
BROOKLYN NEW YORK

GILBANE DEVELOPMENT COMPANY
NEW YORK NEW YORK

MUESER RUTLEDGE CONSULTING ENGINEERS PLLC
14 PENN PLAZA – 225 WEST 34TH STREET, NEW YORK, NY 10122

SCALE	MADE BY: Z.M.	DATE: 02-06-2024	FILE NUMBER
AS NOTED	CH'KD BY: G.J.L.	DATE: 02-06-2024	14442

GEOLOGIC SECTION A-A

DRAWING NUMBER GS-1

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APPENDIX A

MRCE BORING LOGS

Due Diligence Investigation Borings

Borings B-1P through B-3

BORING LOG

MRCE
built on firm foundations
Mueser Rutledge Consulting Engineers
14 Penn Plaza, 225 W. 34th Street
New York, NY 10122

BORING NO. B-1P
SHEET 1 OF 4
FILE NO. 14442
SURFACE ELEV. +5.75±
RES. ENGR. DYLAN GRACE

PROJECT: SEA PARK NORTH
LOCATION: BROOKLYN, NEW YORK

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
08:30	1D	0.0	1-4	Brown fine to medium sand, some silt, trace			DRILLED	Topsoil.
09-12-22		2.0	5-6	brick, gravel, roots (SM)	F		AHEAD	
Monday	2D	2.0	4-9	Tan fine sand, some brick, trace silt			4"	
Cloudy		4.0	6-9	(Fill) (SP-SM)		4		
70°F	3D	4.0	9-8	Gray fine to medium sand, trace silt (SP-SM)		5		
		6.0	7-6					
	4D	6.0	6-6	Gray fine to medium sand, trace silt, gravel				Wet sample at 7'.
		8.0	5-3	(SP-SM)				
	5D	8.0	4-3	Do 4D (SP-SM)	S1			
		10.0	1-4			10		
	6D	10.0	1-2	Gray to dark gray fine to medium sand, trace				
		12.0	3-6	silt, organic silty clay pockets (SP-SM)				
						13.5		
						15		
	7D	15.0	7-12	Gray fine to medium sand, trace silt (SP-SM)				
		17.0	11-9					
						20		
	8D	20.0	8-13	Gray fine to medium sand, trace silt, shells				Odor.
		22.0	15-19	(SP-SM)				
						25		
	9D	25.0	9-12	Do 8D (SP-SM)				Odor.
		27.0	14-15					
						30		
	10D	30.0	6-11	Gray fine to medium sand, trace silt (SP-SM)				Odor.
		32.0	14-15					
					S2			
						35		
	11D	35.0	10-15	Do 10D (SP-SM)				Odor.
		37.0	10-8					
						40		
	12D	40.0	9-17	Gray fine to medium sand, trace silt (SP-SM)				
		42.0	19-18					
						45		
	13D	45.0	8-15	Gray fine to medium sand, some silt (SM)				
		47.0	14-16					
						50		
	14D	50.0	12-18	Do 13D (SM)				
		52.0	22-17					

MRCE
built on firm foundations
Mueser Rutledge Consulting Engineers
14 Penn Plaza, 225 W. 34th Street
New York, NY 10122

BORING LOG

BORING NO. B-1P
SHEET 2 OF 4
FILE NO. 14442
SURFACE ELEV. +5.75±
RES. ENGR. DYLAN GRACE

PROJECT: SEA PARK NORTH
LOCATION: BROOKLYN, NEW YORK

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
Cont'd								
09-12-22								
Monday								
Cloudy					S2			
70°F						55		
	15D	55.0	12-17	Gray silty fine sand, trace clay (SM)				pp=0.25
		57.0	11-7					Odor.
						57.5		
						60		
	16D	60.0	WR-WH/18"	Medium gray organic silty clay, trace fine sand,				WC=52, pp=0.75
		62.0		shells (OH)	C			
	17S	62.0	PUSH=24"	Medium gray organic silty clay, trace fine sand,				WC=52, pp=0.75-1.0
		64.0	REC= 24"	shells (OH)				
	18D	64.0	1-2	Medium gray organic silty clay, trace shells (OH)		65		WC=56, pp=0.75
12:30		66.0	2-3			66		End of Boring at 66'.
								WC=Water Content
								in percent of dry
						70		weight.
								pp=Pocket
								Penetrometer
								Unconfined Compres-
						75		sive Strength in tsf.
						80		
						85		
						90		
						95		
						100		

MRCE
built on firm foundations

PIEZOMETER RECORD

PIEZOMETER OR BORING NO. B-1P

PROJECT: Sea Park North

SHEET 3 OF 4

LOCATION: Brooklyn, NY

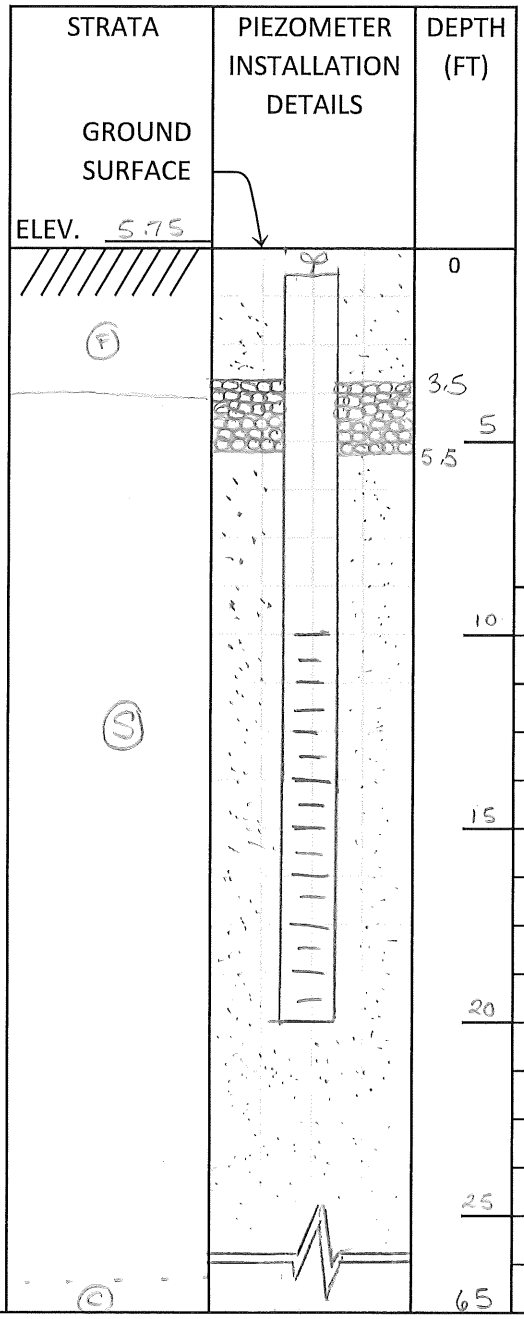
FILE NO. 14442

PIEZOMETER LOCATION: See B-4P

INSTALLATION DATE 9/12/22

☐ SEE SKETCH ON BACK

RES ENGR. Dylan Grace



PIEZOMETER TYPE OPEN STANDPIPE

INTAKE POINT

depth to bottom, ft = 20

depth to top, ft = 5.5

length, ft = 14.5 = L

diameter, in = 2, ft = 0.167 = 2R

STANDPIPE/RISER

elevation of rim, ft = 5.75

diameter, in = 2, ft = 0.167 = 2r

READING TIME		DEPTH – RIM TO WATER	ELEVATION OF WATER	REMARKS
DATE	CLOCK			
9/13/22	0955	6.1	-0.35	
1/11/24	0845	4.8	+0.95	

SAND BENTONITE

GRAVEL GROUT

GROUND SURFACE ELEV. ± 5.75 ft.

PIEZOMETER NO. B-1P

M|R|C|E
built on firm foundations
Mueser Rutledge Consulting Engineers
14 Penn Plaza, 225 W. 34th Street
New York, NY 10122

BORING NO. B-1P
SHEET 4 **OF** 4

PROJECT	SEA PARK NORTH	**FILE NO.**	14442
LOCATION	BROOKLYN, NEW YORK	**SURFACE ELEV.**	+5.75±
BORING LOCATION	SEE BORING LOCATION PLAN	**DATUM**	NAVD 88

BORING EQUIPMENT AND METHODS OF STABILIZING BOREHOLE

TYPE OF BORING RIG MAKE AND MODEL / **TYPE OF FEED DURING CORING**

TRUCK		MECHANICAL		**CASING USED**	[X] YES	[ ] NO			
SKID		HYDRAULIC		DIA., IN.	4	DEPTH, FT. FROM	0	TO	20
BARGE		OTHER		DIA., IN.		DEPTH, FT. FROM		TO	
OTHER	CME-55LC - TRACK			DIA., IN.		DEPTH, FT. FROM		TO	

TYPE AND SIZE OF

D-SAMPLER	2" O. D. SPLIT SPOON
U-SAMPLER	3" SHELBY TUBE
S-SAMPLER	
CORE BARREL	
CORE BIT	
DRILL RODS	AWJ/NWJ

DRILLING MUD USED [X] YES [ ] NO

DIAMETER OF ROTARY BIT, IN. 3-7/8
TYPE OF DRILLING MUD EZ MUD/QUIK GEL

AUGER USED [ ] YES [X] NO
TYPE AND DIAMETER, IN.

*CASING HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*SAMPLER HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*HAMMER TYPE (DONUT/SAFETY/AUTOMATIC): AUTOMATIC
*HAMMER RATE, BLOWS PER MINUTE (BPM): 54

WATER LEVEL OBSERVATIONS IN BOREHOLE

DATE	TIME	DEPTH OF HOLE	DEPTH OF CASING	DEPTH TO WATER	CONDITIONS OF OBSERVATION
					SEE PIEZOMETER SHEET NO. 3.

PIEZOMETER INSTALLED [X] YES [ ] NO **SKETCH SHOWN ON** SEE SHEET NO. 3

STANDPIPE:	TYPE	PVC	ID, IN.	2	LENGTH, FT.	10	TOP ELEV.	5.75
INTAKE ELEMENT:	TYPE	SLOTTED PVC	OD, IN.	2	LENGTH, FT.	10	TIP ELEV.	-14.25
FILTER:	MATERIAL	FILTER SAND	OD, IN.	4	LENGTH, FT.	20	BOT. ELEV.	-14.25

PAY QUANTITIES

3.5" DIA. DRY SAMPLE BORING	LIN. FT.	66	NO. OF 3" SHELBY TUBE SAMPLES	1
3.5" DIA. U-SAMPLE BORING	LIN. FT.		NO. OF 3" UNDISTURBED SAMPLES	
CORE DRILLING IN ROCK	LIN. FT.		OTHER:	

BORING CONTRACTOR CRAIG GEOTECHNICAL DRILLING
DRILLER BRYAN GREGOR **HELPERS** BRIAN STIO
REMARKS PIEZOMETER INSTALLED.
RESIDENT ENGINEER DYLAN GRACE **DATE** 09-12-22
CLASSIFICATION CHECK: CHERYL J. MOSS **TYPING CHECK:** GREGORY LUCKING

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New York, NY 10122

BORING LOG

BORING NO. B-2
SHEET 1 OF 4
PROJECT: SEA PARK NORTH — **FILE NO.** 14442
LOCATION: BROOKLYN, NEW YORK — **SURFACE ELEV.** +5.4±
RES. ENGR. DYLAN GRACE

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
14:15	1D	0.0	4-3	Brown to gray fine to coarse sand, some brick,	**	0.5	DRILLED	**Asphalt from 0' to
09-13-22		2.0	5-5	silt, trace gravel (Fill) (SM)			AHEAD	0.5'.
Tuesday	2D	2.0	5-6	Gray to tan fine to medium sand, trace silt			4"	
Cloudy		4.0	6-5	(SP-SM)	F			
70°F	3D	4.0	4-5	Do 2D (SP-SM)		5		Moist sample.
		6.0	5-4			6		
	4D	6.0	3-2	Gray fine to medium sand, trace silt (SP-SM)				Wet sample.
		8.0	3-3					
	5D	8.0	2-2	Do 4D (SP-SM)				
		10.0	1-1		S1	10		
	6D	10.0	2-2	Do 4D (SP-SM)				
		12.0	4-5					
						13.5		
						15		
	7D	15.0	7-14	Do 4D (SP-SM)				
		17.0	17-15					
						20		
	8D	20.0	8-11	Do 4D (SP-SM)				
		22.0	16-22					
						25		
	9D	25.0	5-11	Do 4D (SP-SM)				
		27.0	15-13					
						30		
	10D	30.0	11-16	Do 4D (SP-SM)				
		32.0	20-20					
					S2			
						35		
	11D	35.0	10-14	Do 4D (SP-SM)				
		37.0	15-15					
						40		
	12D	40.0	14-17	Do 4D (SP-SM)				
		42.0	25-20					
						45		
	13D	45.0	10-14	Do 4D (SP-SM)				
		47.0	18-17					
						50		
	14D	50.0	19-22	Do 4D (SP-SM)				
		52.0	33-33					

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BORING LOG

BORING NO. B-2
SHEET 2 OF 4
PROJECT: SEA PARK NORTH — **FILE NO.** 14442
LOCATION: BROOKLYN, NEW YORK — **SURFACE ELEV.** +5.4±
RES. ENGR. DYLAN GRACE

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
Cont'd					S2			
09-13-22								
Tuesday								
Cloudy						53.5		
70°F					SC	55		
	15D	55.0	14-8	Gray fine to medium sand, some silt, trace shells (SM)				
		57.0	7-7					
						60		
	16D	60.0	WH/18"-2	Gray silty fine to medium sand, trace clay, grading to gray organic silty clay, trace shells (SM&OH)		61		WC=45
		62.0			C			
						65		
						70		
	17S	70.0	PUSH=24"	Gray organic silty clay (CL)				WC=61, pp=0.75
		72.0	REC=24"					
	18D	72.0	WH/12"	Medium gray silty clay, trace shells (OH)				WC=59
16:45		74.0	2-3			74		
						75		End of Boring at 75'.
								WC=Water Content in percent of dry weight.
						80		
								pp=Pocket Penetrometer Unconfined Compressive Strength in tsf.
						85		
						90		
						95		
						100		

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BORING NO. B-2
SHEET 4 **OF** 4

PROJECT SEA PARK NORTH
FILE NO. 14442
LOCATION BROOKLYN, NEW YORK
SURFACE ELEV. +5.4±
BORING LOCATION SEE BORING LOCATION PLAN
DATUM NAVD 88

BORING EQUIPMENT AND METHODS OF STABILIZING BOREHOLE

TYPE OF BORING RIG MAKE AND MODEL | **TYPE OF FEED DURING CORING**

TRUCK		MECHANICAL		DIA., IN.	4	DEPTH, FT. FROM	0	TO 10
SKID		HYDRAULIC		DIA., IN.		DEPTH, FT. FROM		TO
BARGE		OTHER		DIA., IN.		DEPTH, FT. FROM		TO
OTHER	CME-55 LC - TRACK							

CASING USED [X] YES [ ] NO

TYPE AND SIZE OF

D-SAMPLER	2" O. D. SPLIT SPOON
U-SAMPLER	3" SHELBY TUBE
S-SAMPLER	
CORE BARREL	
CORE BIT	
DRILL RODS	AWJ/NWJ

DRILLING MUD USED [X] YES [ ] NO

DIAMETER OF ROTARY BIT, IN. 3-7/8
TYPE OF DRILLING MUD QUIK GEL

AUGER USED [ ] YES [X] NO
TYPE AND DIAMETER, IN.

*CASING HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*SAMPLER HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*HAMMER TYPE (DONUT/SAFETY/AUTOMATIC): AUTOMATIC
*HAMMER RATE, BLOWS PER MINUTE (BPM): 54

WATER LEVEL OBSERVATIONS IN BOREHOLE

DATE	TIME	DEPTH OF HOLE	DEPTH OF CASING	DEPTH TO WATER	CONDITIONS OF OBSERVATION
					NO WATER LEVEL OBSERVATIONS MADE.

PIEZOMETER INSTALLED [ ] YES [X] NO **SKETCH SHOWN ON**

STANDPIPE:	TYPE		ID, IN.		LENGTH, FT.		TOP ELEV.
INTAKE ELEMENT:	TYPE		OD, IN.		LENGTH, FT.		TIP ELEV.
FILTER:	MATERIAL		OD, IN.		LENGTH, FT.		BOT. ELEV.

PAY QUANTITIES

3.5" DIA. DRY SAMPLE BORING	LIN. FT.	74	NO. OF 3" SHELBY TUBE SAMPLES	1
3.5" DIA. U-SAMPLE BORING	LIN. FT.		NO. OF 3" UNDISTURBED SAMPLES	
CORE DRILLING IN ROCK	LIN. FT.		OTHER:	

BORING CONTRACTOR CRAIG GEOTECHNICAL DRILLING
DRILLER BRYAN GREGOR **HELPERS** BRIAN STIO/WALTER GOLEMBIESKI
REMARKS BOREHOLE BACKFILLED WITH SOIL CUTTINGS & SURFACED PATCHED.
RESIDENT ENGINEER DYLAN GRACE **DATE** 09-13-22
CLASSIFICATION CHECK: CHERYL J. MOSS **TYPING CHECK:** GREGORY LUCKING

MRCE
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New York, NY 10122

BORING LOG

BORING NO. B-3
SHEET 1 OF 3
PROJECT: SEA PARK NORTH — **FILE NO.** 14442
LOCATION: BROOKLYN, NEW YORK — **SURFACE ELEV.** +5.4±
RES. ENGR. DYLAN GRACE

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
07:45	1D	0.5	7-7	Brown fine to coarse sand, some brick, silt,	**	0.5	DRILLED	**Asphalt from 0' to
09-13-22		2.5	6-5	trace gravel (Fill) (SM)			AHEAD	0.5'.
Tuesday	2D	2.5	4-1	Gray to tan fine to medium sand, some brick,	F		4"	
Cloudy		4.5	2-4	trace silt, gravel (Fill) (SP-SM)		4		
70°F	3D	4.5	5-5	Gray to tan fine to medium sand, trace silt,		5		
		6.5	5-4	gravel (SP-SM)				
	4D	6.5	4-3	Gray fine to medium sand, trace silt (SP-SM)				Wet sample.
		8.5	3-7					
	5D	8.5	1-2	Do 4D (SP-SM)	S1			
		10.5	1-4			10		
	6D	10.5	1-1	Gray fine to medium sand, trace silt, shells				
		12.5	4-5	(SP-SM)				
						13.5		
						15		
	7D	15.0	2-7	Gray fine to medium sand, trace silt (SP-SM)				
		17.0	11-8					
						20		
	8D	20.0	10-11	Do 7D (SP-SM)				
		22.0	15-22					
						25		
	9D	25.0	9-15	Do 7D (SP-SM)				
		27.0	18-16					
						30		
	10D	30.0	11-12	Do 7D (SP-SM)				
		32.0	15-16					
					S2			
						35		
	11D	35.0	8-10	Do 7D (SP-SM)				
		37.0	12-15					
						40		
	12D	40.0	15-18	Gray fine to medium sand, trace silt, coarse				Odor.
		42.0	20-21	sand (SP-SM)				
						45		
	13D	45.0	9-16	Gray fine to medium sand, trace silt (SP-SM)				Odor.
		47.0	22-22					
						50	↓	
	14D	50.0	18-19	Gray fine sand, trace silt (SP-SM)				
		52.0	23-22					

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BORING LOG

BORING NO. B-3
SHEET 2 OF 3
FILE NO. 14442
SURFACE ELEV. +5.4±
RES. ENGR. DYLAN GRACE

PROJECT: SEA PARK NORTH
LOCATION: BROOKLYN, NEW YORK

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
Cont'd								
09-13-22								
Tuesday								
Cloudy								
70°F					S2	55		
	15D	55.0	12-18	Gray fine sand, some silt, trace shells (SM)				Odor.
		57.0	15-9					
						58.5		
					SC	60		
	16D	60.0	WH/18"	Gray silty fine sand, trace clay, shells (SM)				pp=0.5
		62.0	2					
						63.5		
						65		
	17D	65.0	WH/12"	Medium gray organic silty clay, trace fine sand				WC=57, pp=0.75
		67.0	3-4	(OH)				
						70		
	18D	70.0	WR/24"	Stiff gray organic silty clay, trace shells (OH)				WC=64, pp=1.0
		72.0						
	19SNR	72.0	PUSH=24"	No recovery				
		74.0	REC=0"					
	20D	74.0	1-2	Do 18D, medium (OH)		75		WC=57, pp=0.75
		76.0	4-5					
					C			
						80		
	21S	80.0	PUSH=24"	Do 18D, medium (OH)				WC=61, pp=0.5
		82.0	REC=24"					
	22D	82.0	WR/12"	Do 18D, medium (OH)				WC=59, pp=0.75-1.0
		84.0	3-4					
						85		
								No return at 89'.
						90		
	23D	90.0	WR-WH	Do 18D, medium (OH)				WC=54, pp=0.5
		92.0	3-4					
								WC=Water Content
						93.5		in percent of dry
						95		weight.
	24D	95.0	11-13	Gray fine to medium sand, trace silt, coarse				
		97.0	17-14	sand, gravel (SP-SM)				pp=Pocket
					S3			Penetrometer
								Unconfined Compres-
						100		sive Strength in tsf.
	25D	100.0	6-7	Gray fine to coarse sand, trace silt, gravel				
14:00		102.0	8-10	(SP-SM)		102		End of Boring at 102'.

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BORING NO. B-3
SHEET 3 **OF** 3

PROJECT SEA PARK NORTH
FILE NO. 14442
LOCATION BROOKLYN, NEW YORK
SURFACE ELEV. +5.4±
BORING LOCATION SEE BORING LOCATION PLAN
DATUM NAVD 88

BORING EQUIPMENT AND METHODS OF STABILIZING BOREHOLE

TYPE OF BORING RIG MAKE AND MODEL | **TYPE OF FEED DURING CORING**

TRUCK		MECHANICAL		DIA., IN.	4	DEPTH, FT. FROM	0	TO 50
SKID		HYDRAULIC		DIA., IN.		DEPTH, FT. FROM		TO
BARGE		OTHER		DIA., IN.		DEPTH, FT. FROM		TO
OTHER	CME-55 LC - TRACK							

CASING USED [X] YES [ ] NO

TYPE AND SIZE OF

D-SAMPLER	2" O. D. SPLIT SPOON
U-SAMPLER	3" SHELBY TUBE
S-SAMPLER	
CORE BARREL	
CORE BIT	
DRILL RODS	AWJ/NWJ

DRILLING MUD USED [X] YES [ ] NO

DIAMETER OF ROTARY BIT, IN. 3-7/8
TYPE OF DRILLING MUD QUIK GEL

AUGER USED [ ] YES [X] NO
TYPE AND DIAMETER, IN.

*CASING HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*SAMPLER HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*HAMMER TYPE (DONUT/SAFETY/AUTOMATIC): AUTOMATIC
*HAMMER RATE, BLOWS PER MINUTE (BPM):

WATER LEVEL OBSERVATIONS IN BOREHOLE

DATE	TIME	DEPTH OF HOLE	DEPTH OF CASING	DEPTH TO WATER	CONDITIONS OF OBSERVATION
					NO WATER LEVEL OBSERVATIONS MADE.

PIEZOMETER INSTALLED [ ] YES [X] NO **SKETCH SHOWN ON**

STANDPIPE:	TYPE		ID, IN.		LENGTH, FT.		TOP ELEV.
INTAKE ELEMENT:	TYPE		OD, IN.		LENGTH, FT.		TIP ELEV.
FILTER:	MATERIAL		OD, IN.		LENGTH, FT.		BOT. ELEV.

PAY QUANTITIES

3.5" DIA. DRY SAMPLE BORING	LIN. FT.	100	NO. OF 3" SHELBY TUBE SAMPLES	1
3.5" DIA. U-SAMPLE BORING	LIN. FT.		NO. OF 3" UNDISTURBED SAMPLES	
CORE DRILLING IN ROCK	LIN. FT.		OTHER:	

BORING CONTRACTOR CRAIG GEOTECHNICAL DRILLING
DRILLER BRYAN GREGOR **HELPERS** BRIAN STIO/WALTER GOLEMBIESKI
REMARKS BOREHOLE BACKFILLED WITH SOIL CUTTINGS & SURFACE PATCHED.
RESIDENT ENGINEER DYLAN GRACE **DATE** 09-13-22
CLASSIFICATION CHECK: CHERYL J. MOSS **TYPING CHECK:** GREGORY LUCKING

Final Investigation Borings

Borings B-4 through B-6

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BORING LOG

BORING NO. B-4
SHEET 1 OF 3
FILE NO. 14442
SURFACE ELEV. +4.5±
RES. ENGR. SEONG HWANG

PROJECT: SEA PARK NORTH
LOCATION: BROOKLYN, NEW YORK

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
11:45							DRILLED	Asphalt pavement at
01-10-24	1D	1.0	4-5	Brown fine to coarse sand, some brick, trace			AHEAD	surface.
Wednesday		3.0	2-1	gravel, silt (Fill) (SP-SM)			4"	
Partly Cloudy	2D	3.0	3-4	Light brown fine to medium sand, some silt	F			
45°F		5.0	4-5	(Fill) (SM)		5		
	3D	5.0	7-6	Light brown fine to medium sand, trace silt				
		7.0	6-5	(Fill) (SP-SM)		7		
	4D	7.0	5-4	Do 3D (SP-SM)				
		9.0	4-1					
						10		Mixed mud.
	5D	10.0	2-5	Gray fine to medium sand, some silt (SM)	S1			
		12.0	4-3					
						13.5		
						15		
	6D	15.0	5-5	Gray fine to medium sand, trace silt (SP-SM)				
		17.0	7-7					
						20		
	7D	20.0	3-4	Do 6D (SP-SM)				
		22.0	7-6					
						25		
	8D	25.0	11-13	Do 6D (SP-SM)				
		27.0	14-13					
						30		
	9D	30.0	8-14	Do 6D (SP-SM)				
		32.0	14-16					
					S2			
						35		
	10D	35.0	6-12	Do 6D (SP-SM)				
		37.0	12-12					
						40		
	11D	40.0	9-17	Do 6D (SP-SM)				
13:30		42.0	17-16					
07:30								
01-11-24								
Thursday						45		
Partly Cloudy	12D	45.0	10-14	Do 6D (SP-SM)				
43°F		47.0	16-15					
						50		
	13D	50.0	10-14	Gray fine sand, some silt (GM)				
		52.0	13-13				↓	

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BORING LOG

BORING NO. B-4
SHEET 2 OF 3
FILE NO. 14442
SURFACE ELEV. +4.5±
RES. ENGR. SEONG HWANG

PROJECT: SEA PARK NORTH
LOCATION: BROOKLYN, NEW YORK

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
Cont'd							DRILLED	
01-11-24					S2		AHEAD	
Thursday							4"	
Partly Cloudy						53.5		
43°F						55		
	14D	55.0	1-1	Gray organic clayey fine sand, trace shells (SC)	SC			
		57.0	1-1					
						58.5		
						60		
	15D	60.0	WR/24"	Soft gray organic silty clay, trace fine sand, shells (CL-OL)				WC=49, pp=0.5
		62.0						
						65		
	16D	65.0	WR/24"	Do 15D (OH)				WC=56, pp=0.5
		67.0						
						70		
	17D	70.0	WR/24"	Soft gray organic silty clay, trace fine sand (OH)				WC=72, pp=0.5
		72.0						
	18S	73.0	PUSH=24"	Stiff gray organic silty clay, trace fine sand (OH)				WC=62, pp=1.0
		75.0	REC=20"			75		
	19D	75.0	WR/24"	Soft gray organic silty clay, trace fine sand (OH)	C			WC=66, pp<0.5
		77.0						
						80		
	20D	80.0	WR/24"	Do 19D, trace shells (OH)				WC=65, pp=0.5
		82.0						
						85		
	21D	85.0	WR/24"	Do 19D (CH-OH)				WC=52, pp=0.5
		87.0						WC=Water Content in percent of dry weight.
						90		
	22D	90.0	WR/24"	Do 19D (OH)				WC=53, pp<0.5
		92.0						
						94		Rig chatter at 94'.
						95		
	23D	95.0	7-13	Light brown fine to coarse sand, trace gravel, silt (SP-SM)	S3			pp=Pocket Penetrometer Unconfined Compressive Strength in tsf.
		97.0	13-13					
						100		
	22D	100.0	8-9	Do 23D (SP-SM)				
10:15		102.0	8-8			102		End of Boring at 102'.

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BORING NO. B-4
SHEET 3 **OF** 3

PROJECT	SEA PARK NORTH	**FILE NO.**	14442
LOCATION	BROOKLYN, NEW YORK	**SURFACE ELEV.**	+4.5±
BORING LOCATION	SEE BORING LOCATION PLAN	**DATUM**	NAVD 88

BORING EQUIPMENT AND METHODS OF STABILIZING BOREHOLE

TYPE OF BORING RIG MAKE AND MODEL / **TYPE OF FEED DURING CORING**

TRUCK		MECHANICAL		**CASING USED**	[X] YES	[ ] NO		
SKID		HYDRAULIC		DIA., IN.	4	DEPTH, FT. FROM	0	TO 59
BARGE		OTHER		DIA., IN.		DEPTH, FT. FROM		TO
OTHER	CME - TRACK			DIA., IN.		DEPTH, FT. FROM		TO

TYPE AND SIZE OF

D-SAMPLER	2" O. D. SPLIT SPOON
U-SAMPLER	
S-SAMPLER	SHELBY TUBE
CORE BARREL	
CORE BIT	
DRILL RODS	NWJ

DRILLING MUD USED [X] YES [ ] NO

DIAMETER OF ROTARY BIT, IN. 3-7/8
TYPE OF DRILLING MUD QUIK GEL

AUGER USED [ ] YES [X] NO
TYPE AND DIAMETER, IN.

*CASING HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*SAMPLER HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*HAMMER TYPE (DONUT/SAFETY/AUTOMATIC): AUTOMATIC
*HAMMER RATE, BLOWS PER MINUTE (BPM):

WATER LEVEL OBSERVATIONS IN BOREHOLE

DATE	TIME	DEPTH OF HOLE	DEPTH OF CASING	DEPTH TO WATER	CONDITIONS OF OBSERVATION
					NO WATER LEVEL OBSERVATIONS MADE.

PIEZOMETER INSTALLED [ ] YES [X] NO **SKETCH SHOWN ON**

STANDPIPE:	TYPE		ID, IN.		LENGTH, FT.	TOP ELEV.	
INTAKE ELEMENT:	TYPE		OD, IN.		LENGTH, FT.	TIP ELEV.	
FILTER:	MATERIAL		OD, IN.		LENGTH, FT.	BOT. ELEV.	

PAY QUANTITIES

3.5" DIA. DRY SAMPLE BORING	LIN. FT.	102	NO. OF 3" SHELBY TUBE SAMPLES	1
3.5" DIA. U-SAMPLE BORING	LIN. FT.		NO. OF 3" UNDISTURBED SAMPLES	
CORE DRILLING IN ROCK	LIN. FT.		OTHER:	

BORING CONTRACTOR CRAIG GEOTECHNICAL DRILLING
DRILLER MARK AQUINO **HELPERS** MATTHEW
REMARKS BOREHOLE BACKFILLED WITH CUTTINGS UPON COMPLETION.
RESIDENT ENGINEER SEONG HWANG **DATE** 01-11-24
CLASSIFICATION CHECK: CHERYL J. MOSS **TYPING CHECK:** GREGORY LUCKING

MRCE
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Mueser Rutledge Consulting Engineers
14 Penn Plaza, 225 W. 34th Street
New York, NY 10122

BORING LOG

BORING NO. B-5
SHEET 1 OF 3
FILE NO. 14442
SURFACE ELEV. +6.0±
RES. ENGR. SEONG HWANG

PROJECT: SEA PARK NORTH
LOCATION: BROOKLYN, NEW YORK

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
11:50	1D	0.0	1-3	Top 12": Brn silty fine sand, tr gvl, veg (Fill) (SM)			DRILLED	Grass at surface.
01-08-24		2.0	3-3	Bot 8": Light brn fine sand, some silt (Fill) (SM)			AHEAD	
Monday	2D	2.0	3-4	Light brown fine sand, some silt, trace gravel	F		4"	
Sunny		4.0	4-4	(Fill) (SM)			↓	
37°F To 42°F						4.5		
	3D	5.0	3-4	Gray fine sand, trace silt, medium sand (SP-SM)				
		7.0	5-3					
	4D	7.0	3-5	Do 3D (SP-SM)				
		9.0	5-3		S1			
						10		Mixed mud.
	5D	10.0	1-3	Gray fine to medium sand, trace silt (SP-SM)				
		12.0	3-3					
						13.5		
						15		
	6D	15.0	8-8	Do 5D (SP-SM)				
		17.0	9-10					
						20		
	7D	20.0	8-15	Do 5D (SP-SM)				
		22.0	16-18					
						25		
	8D	25.0	7-9	Do 5D (SP-SM)				
		27.0	12-10					
						30		
	9D	30.0	8-14	Do 5D (SP-SM)				
		32.0	14-13		S2			
						35		
	10D	35.0	9-13	Do 5D (SP-SM)				
		37.0	11-8					
						40		
	11D	40.0	10-12	Do 5D (SP-SM)				
		42.0	16-16					
						45		
	12D	45.0	11-15	Do 5D (SP-SM)				
		47.0	20-17					
						50		
	13D	50.0	7-14	Gray fine sand, some silt (SM)				
		52.0	17-18					

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New York, NY 10122

BORING LOG

BORING NO. B-5
SHEET 2 OF 3
FILE NO. 14442
SURFACE ELEV. +6.0±
RES. ENGR. SEONG HWANG

PROJECT: SEA PARK NORTH
LOCATION: BROOKLYN, NEW YORK

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
Cont'd								
01-08-24								
Monday								
Sunny								
37°F To 42°F					S2	**55**		
	14D	55.0	12-10	Gray silty fine sand, trace clay (SM)				
		57.0	5-4					
						58.5		
					SC	**60**		
	15D	60.0	WH/12"	Gray organic clayey fine sand, trace shells (SC)				WC=35
		62.0	1-1					
						63.5		
					C	**65**		
	16D	65.0	WR/24"	Soft gray organic silty clay, trace fine sand,				WC=58, pp=0.5
13:35		67.0		shells (OH)		**67**		End of Boring at 67'.
								WC=Water Content
						70		in percent of dry
								weight.
								pp=Pocket
								Penetrometer
						75		Unconfined Compres-
								sive Strength in tsf.
						80		
						85		
						90		
						95		
						100		

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BORING NO. B-5
SHEET 3 **OF** 3

PROJECT	SEA PARK NORTH	**FILE NO.**	14442
LOCATION	BROOKLYN, NEW YORK	**SURFACE ELEV.**	+6.0±
BORING LOCATION	SEE BORING LOCATION PLAN	**DATUM**	NAVD 88

BORING EQUIPMENT AND METHODS OF STABILIZING BOREHOLE

TYPE OF BORING RIG MAKE AND MODEL / **TYPE OF FEED DURING CORING**

CASING USED [X] YES [ ] NO

TRUCK		MECHANICAL		DIA., IN.	4	DEPTH, FT. FROM	0	TO 9
SKID		HYDRAULIC		DIA., IN.		DEPTH, FT. FROM		TO
BARGE		OTHER		DIA., IN.		DEPTH, FT. FROM		TO
OTHER	CME - TRACK							

TYPE AND SIZE OF

D-SAMPLER	2" O. D. SPLIT SPOON
U-SAMPLER	
S-SAMPLER	
CORE BARREL	
CORE BIT	
DRILL RODS	NWJ

DRILLING MUD USED [X] YES [ ] NO

DIAMETER OF ROTARY BIT, IN. 3-7/8
TYPE OF DRILLING MUD QUIK GEL

AUGER USED [ ] YES [X] NO
TYPE AND DIAMETER, IN.

*CASING HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*SAMPLER HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*HAMMER TYPE (DONUT/SAFETY/AUTOMATIC): AUTOMATIC
*HAMMER RATE, BLOWS PER MINUTE (BPM):

WATER LEVEL OBSERVATIONS IN BOREHOLE

DATE	TIME	DEPTH OF HOLE	DEPTH OF CASING	DEPTH TO WATER	CONDITIONS OF OBSERVATION
					NO WATER LEVEL OBSERVATIONS MADE.

PIEZOMETER INSTALLED [ ] YES [X] NO **SKETCH SHOWN ON**

STANDPIPE:	TYPE		ID, IN.		LENGTH, FT.	TOP ELEV.	
INTAKE ELEMENT:	TYPE		OD, IN.		LENGTH, FT.	TIP ELEV.	
FILTER:	MATERIAL		OD, IN.		LENGTH, FT.	BOT. ELEV.	

PAY QUANTITIES

3.5" DIA. DRY SAMPLE BORING	LIN. FT.	67	NO. OF 3" SHELBY TUBE SAMPLES	
3.5" DIA. U-SAMPLE BORING	LIN. FT.		NO. OF 3" UNDISTURBED SAMPLES	
CORE DRILLING IN ROCK	LIN. FT.		OTHER:	

BORING CONTRACTOR CRAIG GEOTECHNICAL DRILLING
DRILLER MARK AQUINO **HELPERS** MATTHEW
REMARKS BOREHOLE BACKFILLED WITH CUTTINGS UPON COMPLETION.
RESIDENT ENGINEER SEONG HWANG **DATE** 01-08-24
CLASSIFICATION CHECK: CHERYL J. MOSS **TYPING CHECK:** GREGORY LUCKING

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BORING LOG

BORING NO. B-6
SHEET 1 OF 4
FILE NO. 14442
SURFACE ELEV. +5.0±
RES. ENGR. SEONG HWANG

PROJECT: SEA PARK NORTH
LOCATION: BROOKLYN, NEW YORK

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
07:45							DRILLED	Asphalt pavement at
01-09-24	1D	1.0	3-7	Dark brown fine to coarse sand, some silt,			AHEAD	surface.
Tuesday		3.0	10-8	brick (Fill) (SM)			4"	
Overcast	2D	3.0	7-8	Light brown fine sand, trace silt (SP-SM)	F			
40°F To 45°F		5.0	8-6			5		
	3D	5.0	4-5	Light gray fine sand, trace gravel, silt (SP-SM)				
		7.0	5-7			7		
	4D	7.0	4-4	Light gray fine to medium sand, trace silt				
		9.0	5-5	(SP-SM)				
						10		Mixed mud.
	5D	10.0	3-3	Do 4D, trace shells (SP-SM)	S1			
		12.0	7-7					
						13		
						15		
	6D	15.0	5-6	Do 4D (SP-SM)				
		17.0	8-9					
						20		
	7D	20.0	9-15					
		22.0	22-20	Do 4D (SP-SM)				
						25		
	8D	25.0	12-17	Do 4D (SP-SM)				
		27.0	15-14					
						30		
	9D	30.0	11-14	Do 4D (SP-SM)				
		32.0	13-11					
					S2			
						35		
	10D	35.0	8-13	Do 4D (SP-SM)				
		37.0	14-15					
						40		
	11D	40.0	8-13	Do 4D (SP-SM)				
		42.0	13-13					
						45		
	12D	45.0	12-18	Do 4D (SP-SM)				
		47.0	16-15					
						50		
	13D	50.0	7-15	Gray fine sand, trace silt (SP-SM)				
		52.0	21-17				↓	

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New York, NY 10122

BORING LOG

BORING NO. B-6
SHEET 2 OF 4
PROJECT: SEA PARK NORTH — **FILE NO.** 14442
LOCATION: BROOKLYN, NEW YORK — **SURFACE ELEV.** +5.0±
RES. ENGR. SEONG HWANG

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
Cont'd					S2		DRILLED	
01-09-24							AHEAD	
Tuesday							4"	
Overcast						53.5		
40°F To 45°F						55		
	14D	55.0	7-5	Gray silty fine sand, trace organic clay, shells,	SC			
		57.0	3-3	vegetation (SM)				
						58.5		
						60		
	15D	60.0	WH/24"	Soft gray organic silty clay, trace fine sand,				WC=46, pp=0.5
11:30		62.0		shells, vegetation (OH)				
07:30								
01-10-24	16S	63.0	PUSH=24"	Stiff gray organic silty clay, trace fine sand,				WC=45, pp=1.25
Wednesday		65.0	REC=13"	shells (CL-OL)		65		
Cloudy	17D	65.0	WR/24"	Do 15D (OH)				WC=54, pp=0.5
48°F To 45°F		67.0						
						70		
	18D	70.0	WR/24"	Soft gray organic silty clay, trace fine sand (OH)				WC=65, pp<0.5
		72.0						
						75		
	19D	75.0	WR/24"	Do 18D (OH)	O			WC=63, pp<0.5
		77.0						
						80		
	20D	80.0	WR/24"	Do 18D (OH)				WC=73, pp<0.5
		82.0						
						85		
	21D	85.0	WR/24"	Do 18D (OH)				WC=55, pp<0.5
		87.0						
						90		
	22D	90.0	WR/24"	Do 18D (CH-OH)				WC=53, pp<0.5
		92.0						
						93.5		
						95		
	23D	95.0	12-17	Light brown fine to coarse sand, trace silt				
		97.0	14-15	(SP-SM)				
					S3			
						100		
	24D	100.0	4-6	Light brown fine to coarse sand, trace gravel,				
		102.0	8-10	silt (SP-SM)				

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BORING LOG

BORING NO. B-6
SHEET 3 OF 4
PROJECT: SEA PARK NORTH **FILE NO.** 14442
LOCATION: BROOKLYN, NEW YORK **SURFACE ELEV.** +5.0±
RES. ENGR. SEONG HWANG

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
Cont'd								
01-10-24								Rig chatter from 102' to 103'.
Wednesday								
Cloudy								
48°F To 45°F						**105**		
	25D	105.0	7-6	Do 24D (SP-SM)				
		107.0	8-12					
						110		
	26D	110.0	4-9	Do 24D (SP-SM)				
		112.0	9-8		**S3**			
								Rig chatter.
						115		
	27D	115.0	13-15	Do 24D (SP-SM)				
		117.0	15-16					
						120		
	28D	120.0	6-14	Do 24D (SP-SM)				
11:00		122.0	15-15			**122**		End of Boring at 122'.
								WC=Water Content in percent of dry weight.
						125		
								pp=Pocket Penetrometer Unconfined Compressive Strength in tsf.
						130		
						135		
						140		
						145		
						150		

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BORING NO. B-6
SHEET 4 **OF** 4

PROJECT SEA PARK NORTH
FILE NO. 14442
LOCATION BROOKLYN, NEW YORK
SURFACE ELEV. +5.0±
BORING LOCATION SEE BORING LOCATION PLAN
DATUM NAVD 88

BORING EQUIPMENT AND METHODS OF STABILIZING BOREHOLE

TYPE OF BORING RIG MAKE AND MODEL | **TYPE OF FEED DURING CORING**

TRUCK		MECHANICAL		DIA., IN.	4	DEPTH, FT. FROM	0	TO 59
SKID		HYDRAULIC		DIA., IN.		DEPTH, FT. FROM		TO
BARGE		OTHER		DIA., IN.		DEPTH, FT. FROM		TO
OTHER	CME - TRACK							

CASING USED [X] YES [ ] NO

TYPE AND SIZE OF

D-SAMPLER	2" O. D. SPLIT SPOON
U-SAMPLER	
S-SAMPLER	SHELBY TUBE
CORE BARREL	
CORE BIT	
DRILL RODS	NWJ

DRILLING MUD USED [X] YES [ ] NO

DIAMETER OF ROTARY BIT, IN. 3-7/8
TYPE OF DRILLING MUD QUIK GEL

AUGER USED [ ] YES [X] NO
TYPE AND DIAMETER, IN.

*CASING HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*SAMPLER HAMMER, LBS. 140 AVERAGE FALL, IN. 30
*HAMMER TYPE (DONUT/SAFETY/AUTOMATIC): AUTOMATIC
*HAMMER RATE, BLOWS PER MINUTE (BPM):

WATER LEVEL OBSERVATIONS IN BOREHOLE

DATE	TIME	DEPTH OF HOLE	DEPTH OF CASING	DEPTH TO WATER	CONDITIONS OF OBSERVATION
					NO WATER LEVEL OBSERVATIONS MADE.

PIEZOMETER INSTALLED [ ] YES [X] NO **SKETCH SHOWN ON**

STANDPIPE:	TYPE		ID, IN.		LENGTH, FT.	TOP ELEV.	
INTAKE ELEMENT:	TYPE		OD, IN.		LENGTH, FT.	TIP ELEV.	
FILTER:	MATERIAL		OD, IN.		LENGTH, FT.	BOT. ELEV.	

PAY QUANTITIES

3.5" DIA. DRY SAMPLE BORING	LIN. FT.	122	NO. OF 3" SHELBY TUBE SAMPLES	1
3.5" DIA. U-SAMPLE BORING	LIN. FT.		NO. OF 3" UNDISTURBED SAMPLES	
CORE DRILLING IN ROCK	LIN. FT.		OTHER:	

BORING CONTRACTOR CRAIG GEOTECHNICAL DRILLING
DRILLER MARK AQUINO **HELPERS** MATTHEW
REMARKS BOREHOLE BACKFILLED WITH CUTTINGS UPON COMPLETION.
RESIDENT ENGINEER SEONG HWANG **DATE** 01-10-24
CLASSIFICATION CHECK: CHERYL J. MOSS **TYPING CHECK:** GREGORY LUCKING

APPENDIX B

CPT REPORTS

Due Diligence Investigation CPTs

CPT Probes SCPT-1 through CPT-3

PRESENTATION OF SITE INVESTIGATION RESULTS

2828 W. 28th Street, Coney Island NY

Prepared for:

Mueser Rutledge Consulting Engineers

Prepared by:

Craig Geotechnical Drilling Co., Inc.
PO Box 427
Mays Landing NJ 08330

Tel: 609-625-4862
Fax: 609-625-4306

Email: Kcraig@craigtest.com
www.craigtest.com

Introduction

The enclosed report presents the results of piezocone penetration testing (CPTu or CPT) program carried out at 2828 W. 28th Street, Coney Island NY. The site investigation was conducted by Craig Geotechnical Drilling Co., Inc. under contract to Mueser Rutledge.

A total of 3 cone penetration tests were completed. The CPT program was performed to evaluate the subsurface soil conditions. CPT sounding locations were selected and numbered under the supervision of Mueser Rutledge personnel.

Project Information

Project	
Client:	Mueser Rutledge
Project:	2828 W. 28th Street, Coney Island NY
Job Number:	225206
Date:	8/31/22

Rig Description	Deployment System	Test Type
CPT Truck Rig	20 Ton Truck (Twin Cylinders)	CPT & SCPT

Cone Penetration Test (CPT)	
Depth Reference	Ground Surface at the time of the investigation.
Seismic Shear Wave Velocity	

Limitations

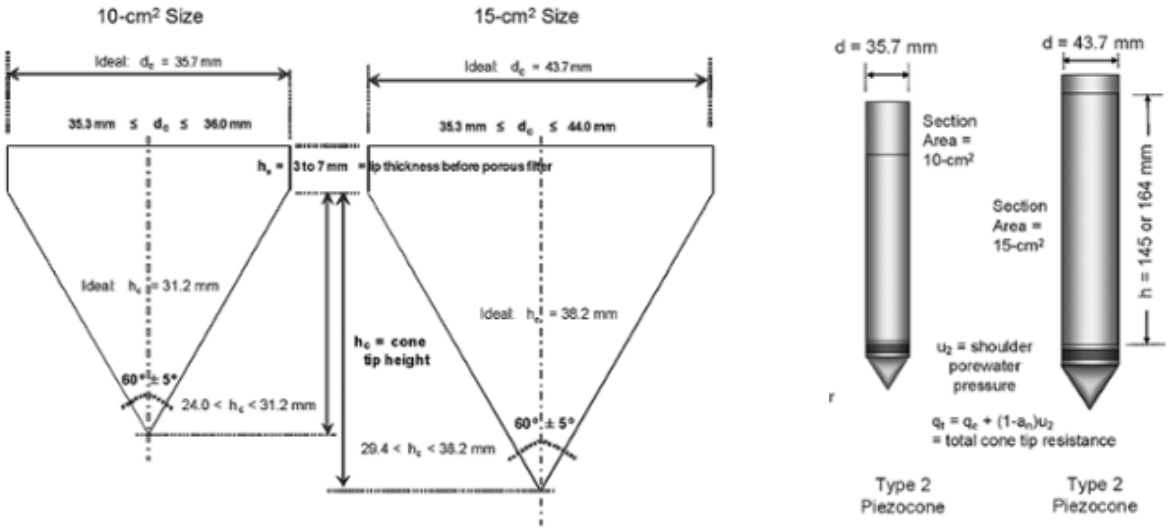
This report has been prepared for the exclusive use of Mueser Rutledge for the project titles "2828 W. 28th Street, Coney Island NY". The report's contents may not be relied upon by any other party without the express written permission of Craig Geotechnical Drilling Co., Inc.. CGD has provided site investigation services, prepared the factual data reporting, and provided geotechnical parameter calculations consistent with current best practices. No other warranty, expressed or implied, is made.

The information presented in the report document and the accompanying data set pertain to the specific project, site conditions and objectives described to Craig Geotechnical Drilling by the client. In order to properly understand the factual data, assumptions and calculations, reference must be made to the documents provided and their accompanying data sets, in their entirety.

CPT Cones

Cone Penetration tests (CPTu) are conducted using an integrated electronic piezocone penetrometer and data acquisition system manufactured by Vertek of Randolph, VT 05060.

CPT cones are available in multiple sizes, but the10 cm^2 cone and 15 cm^2 cone are the industry standard. Penetrometers are made of high strength steel and designed to resist abrasion by soil. The **15 cm^2 cone** was used on this project.



Minimum and Maximum Cone Measurements

Cone Size (Cross-Sectional Area)	**10 cm^2**			**15 cm^2**		
Measurement	***Min***	***Ideal***	***Max***	***Min***	***Ideal***	***Max***
Cone Diameter (d_c)	35.3 mm	35.7 mm	36.0 mm	35.3 mm	43.7 mm	44.0 mm
Cone Tip Height (h_c)	24.0 mm	31.2 mm	31.2 mm	29.4 mm	38.2 mm	38.2 mm
Cone Tip Angle	55°	60°	65°	55°	60°	65°
Lip Thickness Before Porous Filter (h_e)	3 mm	N/A	7 mm	3 mm	N/A	7 mm
Friction Sleeve Diameter	35.7 mm	35.7 mm	36.05 mm	43.7 mm	43.7 mm	44.05 mm
Friction Sleeve Surface Area	147 cm^2	150 cm^2	153 cm^2	220.5 cm^2	225 cm^2	229.5 cm^2

Cone Penetration Tests

Prior to the start of a CPTu sounding a suitable cone is selected, the cone and data acquisition system are powered on, the pore pressure system is saturated with silicone oil and the baseline readings are recorded with the cone hanging freely in a vertical position. The CPTu is conducted at a steady rate of 2 cm/s, within acceptable tolerances. Typically, one-meter length rods with an outer diameter of 15cm are added to advance the cone to the sounding termination depth. After cone retraction final baselines are recorded.

Dissipation Tests

As a CPT cone is pushed into saturated subsurface soil, it creates a localized increase in pore pressure (denoted excess pore pressure, u_i) as groundwater is pushed out of the way of the cone. In a pore pressure dissipation test, the downward movement of the cone is paused and the time it takes for the pore pressure to stabilize is measured. This stable pore pressure is called equilibrium pore pressure, u_o. This information allows the user to identify important hydrogeologic features:

The water table (or phreatic surface) depth is defined as the distance below the soil surface at which pore pressure is equal to atmospheric pressure. This can be roughly visualized as the level below which subsurface materials are fully saturated with groundwater.

Especially in fine-grained soils, estimating the water table can be more complex than simply detecting moisture, since surface tension draws groundwater upwards, creating negative pore pressures. This is effect is called capillary rise.

Very low or negative pressures can be difficult to measure precisely with the piezocone, which is primarily designed to measure high pressures below the water table. In this case, the water table depth can be calculated by the following formula:

$$d_{water} = d_{cone} - h_w$$

d_{water} = *water table depth*
d_{cone} = *depth of piezocone*
h_w = *water head*

The **water head**, h_w, is the height of the water above the cone, which can be calculated based on the pore pressure and the unit weight of water:

$$h_w = u/\gamma_w + z$$

h_w = *water head*
u_o = *equilibrium pore pressure*
γ_w = *unit weight of water*
z = *distance, if any, between pressure sensor location and depth reference point on the piezocone*

The rate of dissipation indicates the permeability or hydraulic conductivity of the soil – that is, the tendency of the soil to allow or resist the flow of groundwater.

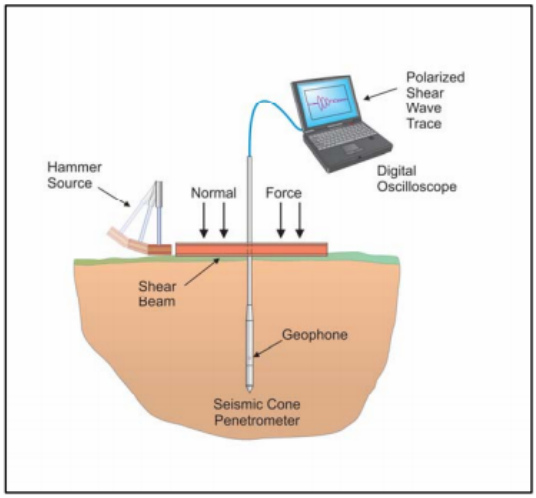
A rapidly dissipating pore pressure indicates the presence of an aquifer (a porous region where groundwater tends to flow), while a slowly dissipating pore pressure indicates an aquitard (a compacted region that resists the flow of groundwater).

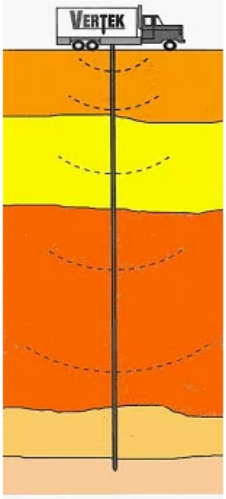
Seismic CPTs

Seismic CPT or SCPT is a method of calculating the *small strain shear modulus* of the soil by measuring shear wave velocity through the soil. The small strain modulus is an important quantity for determining the *dynamic response* of soil during earthquakes, explosive detonations, vibrations from machinery, and during wave loading for offshore structures. The wave speeds and moduli derived from seismic CPT measurements aid in the determination of *soil liquefaction potential* and improve the interpretation of surface seismic surveys by *providing wave speed profiles as a function of depth*.

SCPT Cone: The SCPT cone is a CPT or CPTU cone that is equipped with one or more geophone sensors. These sensors measure the magnitude and arrival time of seismic shear and compression waves.
Wave Generator: Seismic shear waves are generated at the soil surface.
This method uses an electronic wave generator attached to the CPT rig and increases repeatability and reduces physical strain and testing time for the field team.
The CPT test must be paused briefly at the desired intervals to perform the wave generation and data collection.
Data Acquisition System: As seismic waves are registered by the geophone sensors, data is transferred from the cone to the soil surface by wires that run though the push rods. The SCPT data acquisition system logs this data and analyzes it to determine the speed of the waves based on their arrival time and the distance between the wave generator and the sensors.

Calculation of the interval velocities are performed by visually picking a common feature (e.g. the first characteristic peak, trough, or crossover) on all of the recorded wave sets and taking the difference in ray path divided by the time difference between subsequent features. Ray path is defined as the straight-line distance from the seismic source to the geophone, accounting for beam offset, source depth and geophone offset from the cone tip.





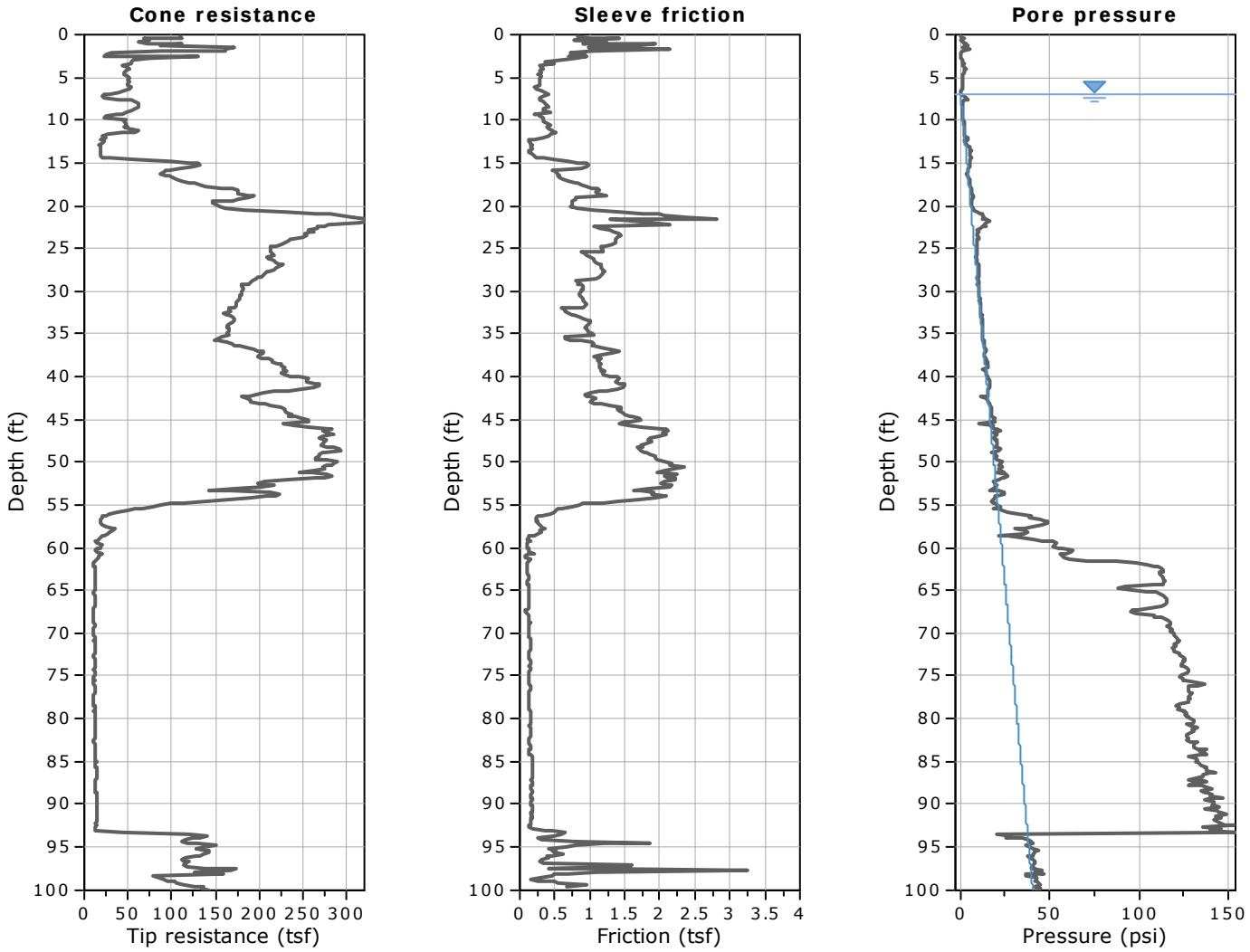
Cone Penetration Test Summary and Cone Penetration Test Plots

Sounding ID	Depth (ft)	Seismic Tests	Pre-Drill Depth (ft)
CPT-3	100.10		
SCPT-1	100.10	33	
SCPT-2	99.93	33	

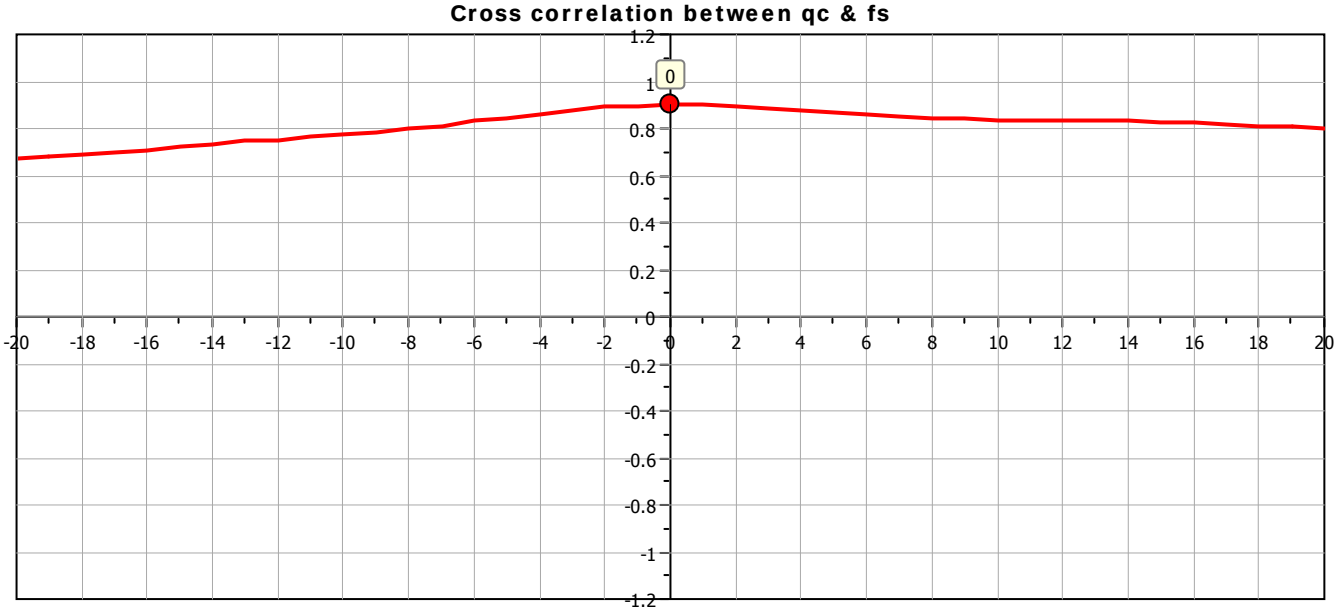
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

CPT-3
Total depth: 100.10 ft



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).

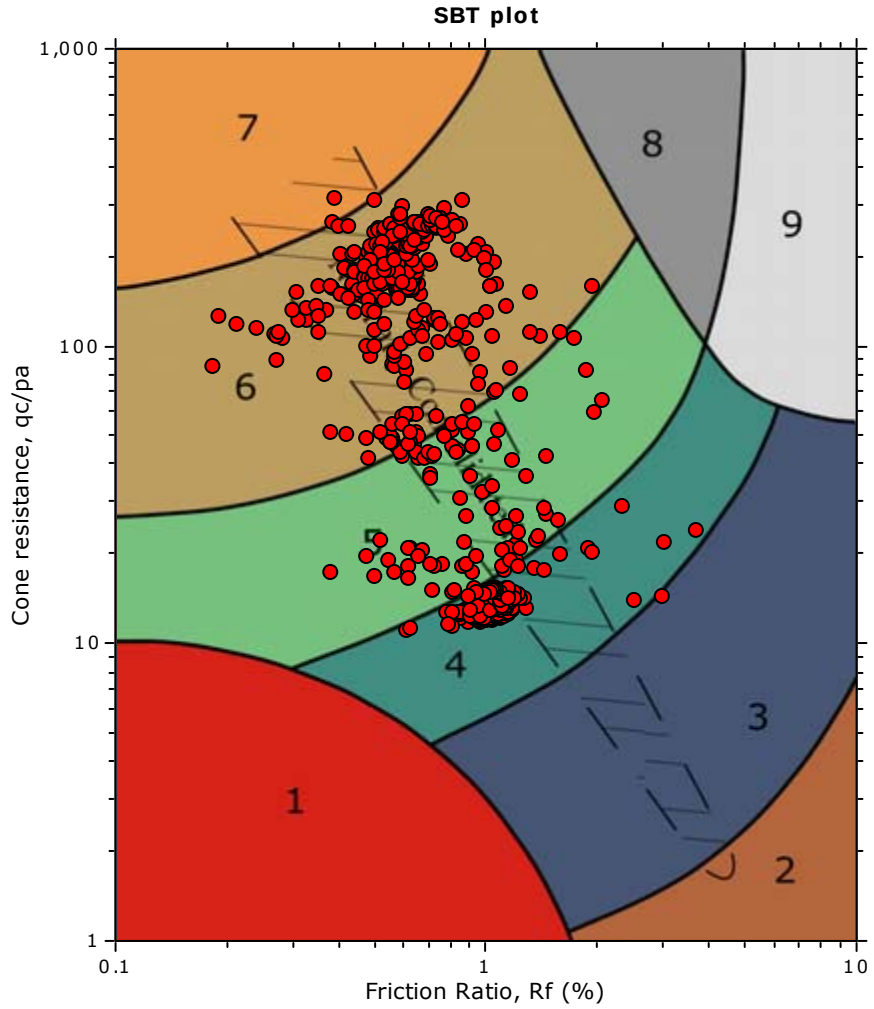


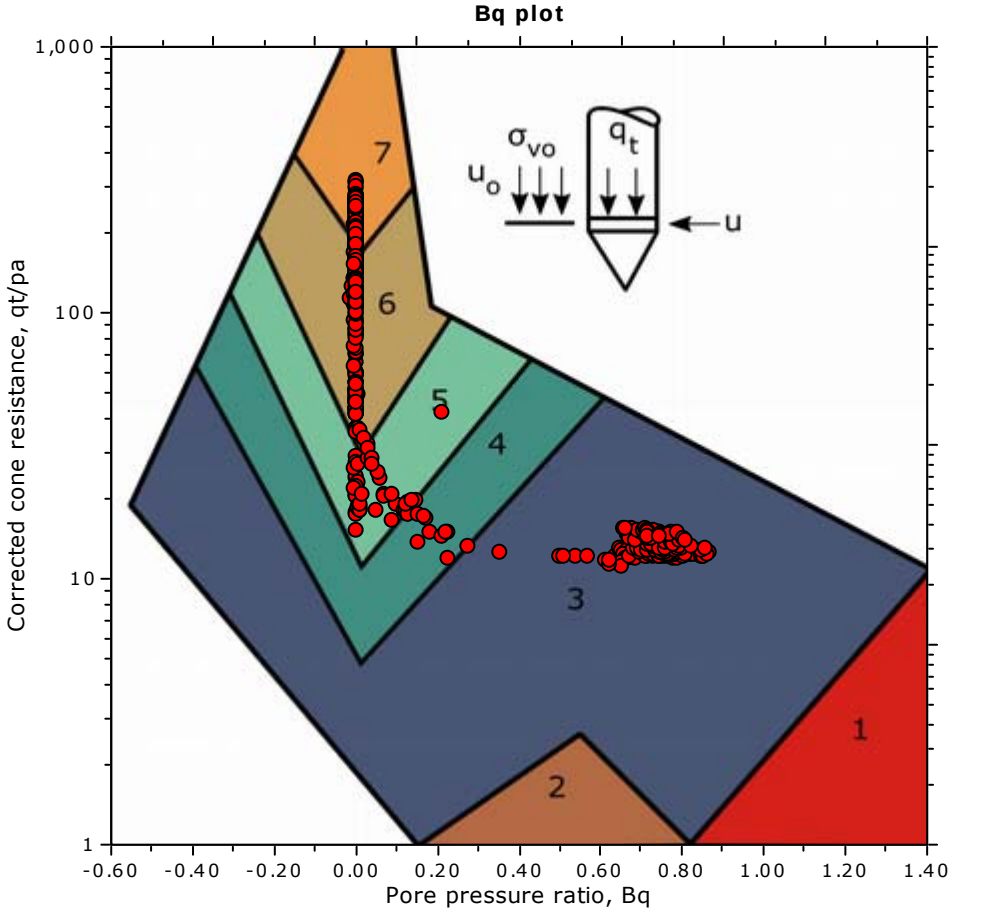
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

CPT-3
Total depth: 100.10 ft

SBT - Bq plots





SBT legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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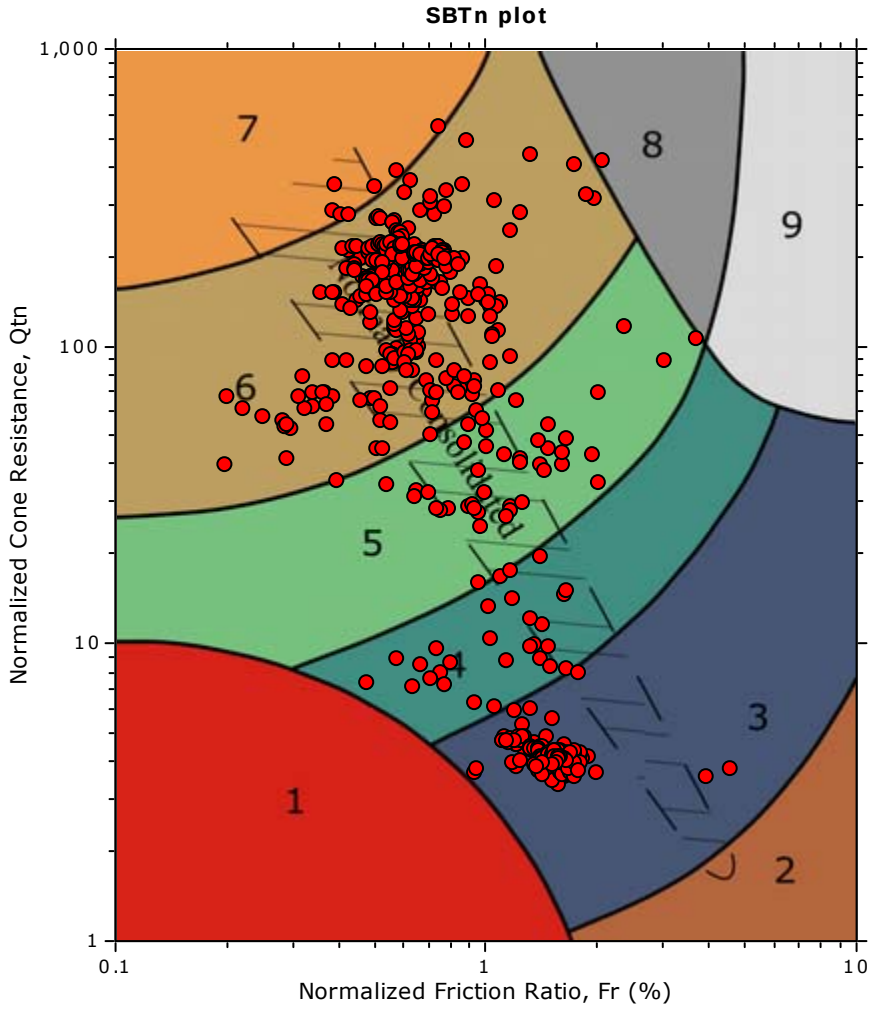
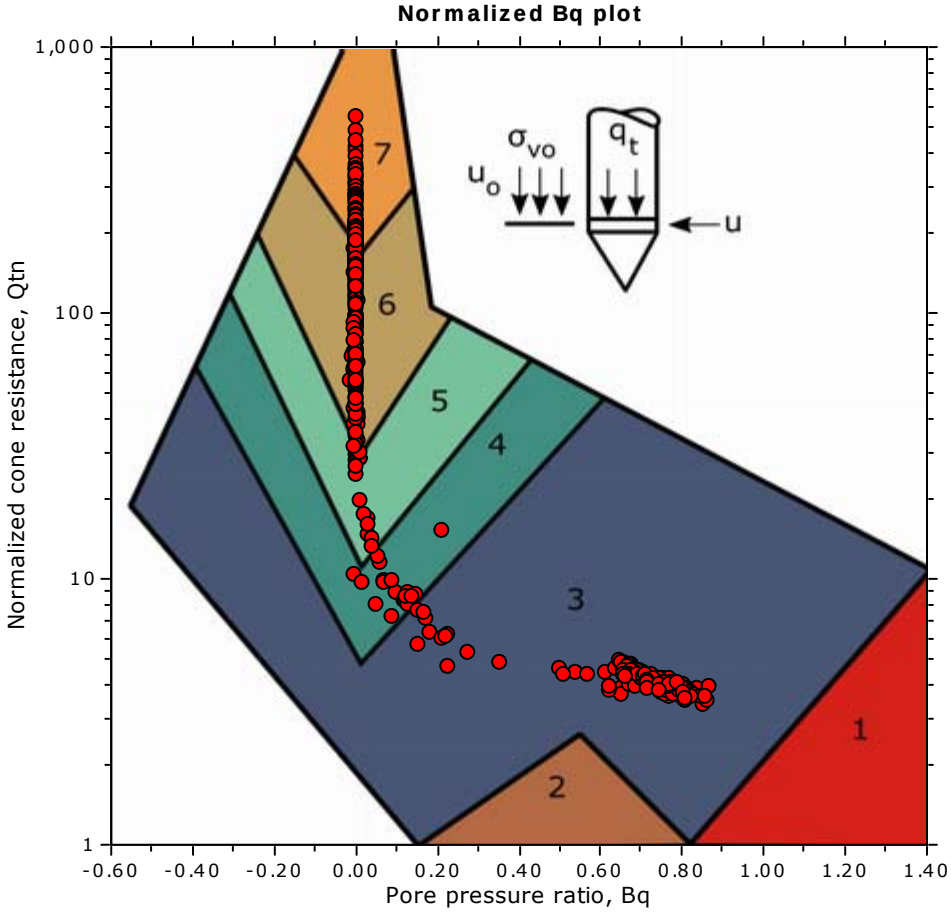
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

CPT-3
Total depth: 100.10 ft

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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CPT-3
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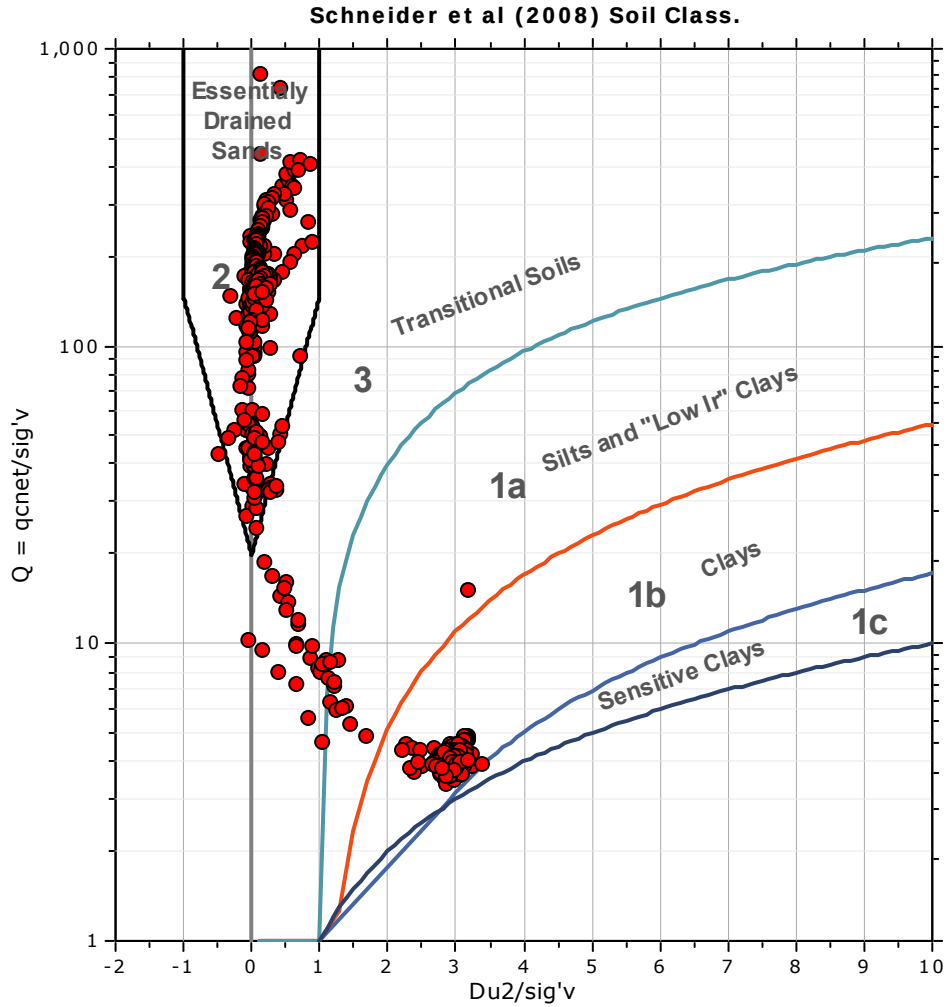
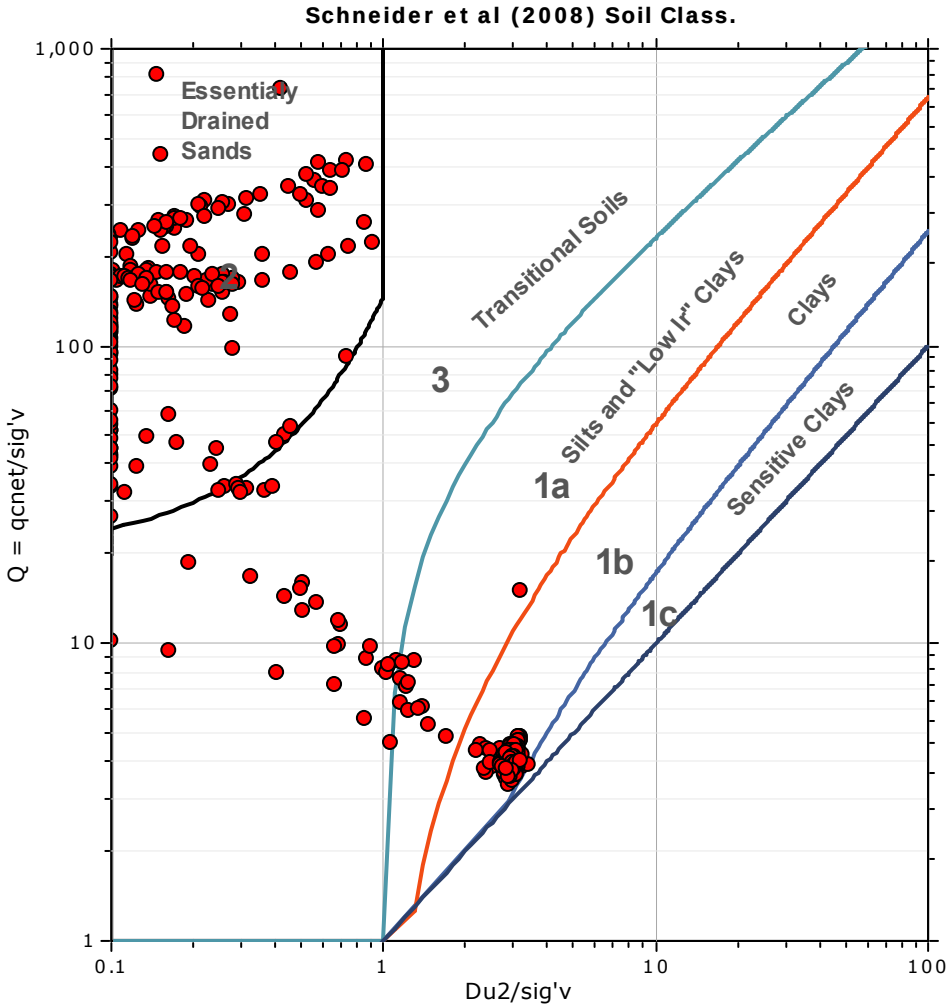
Bq plots (Schneider)





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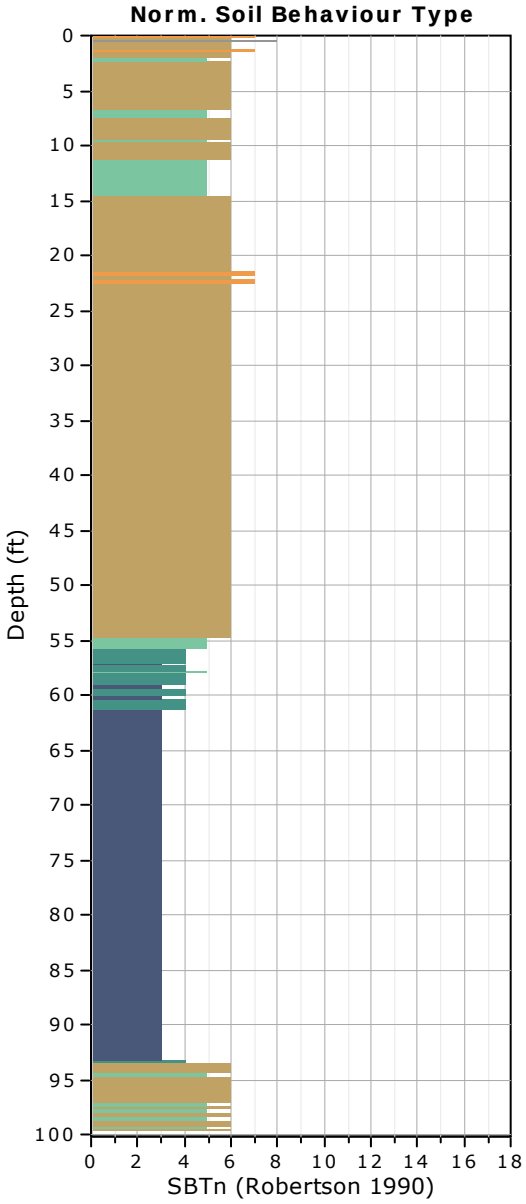

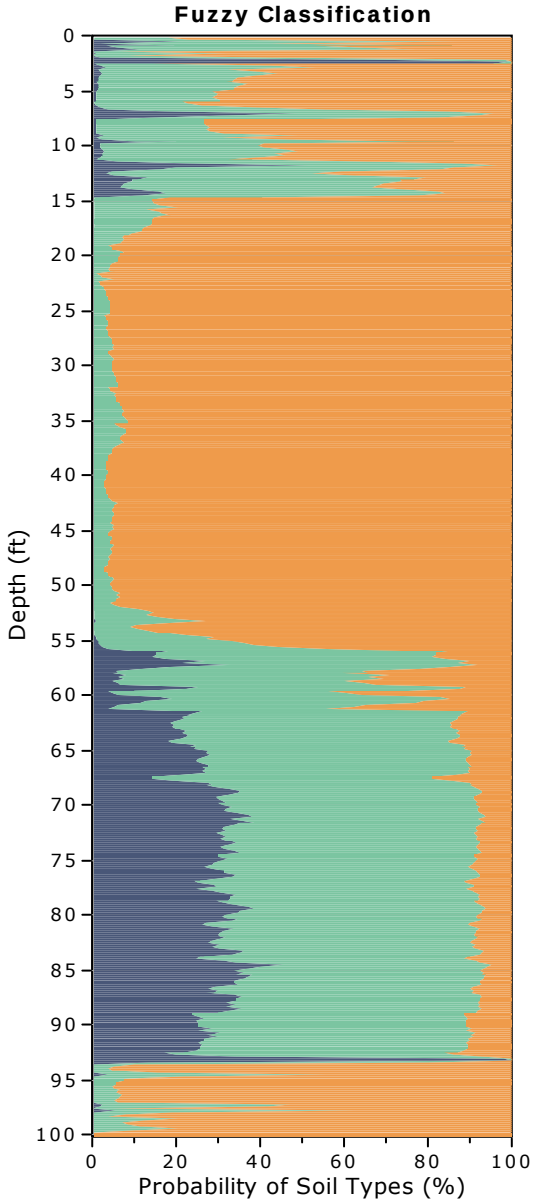

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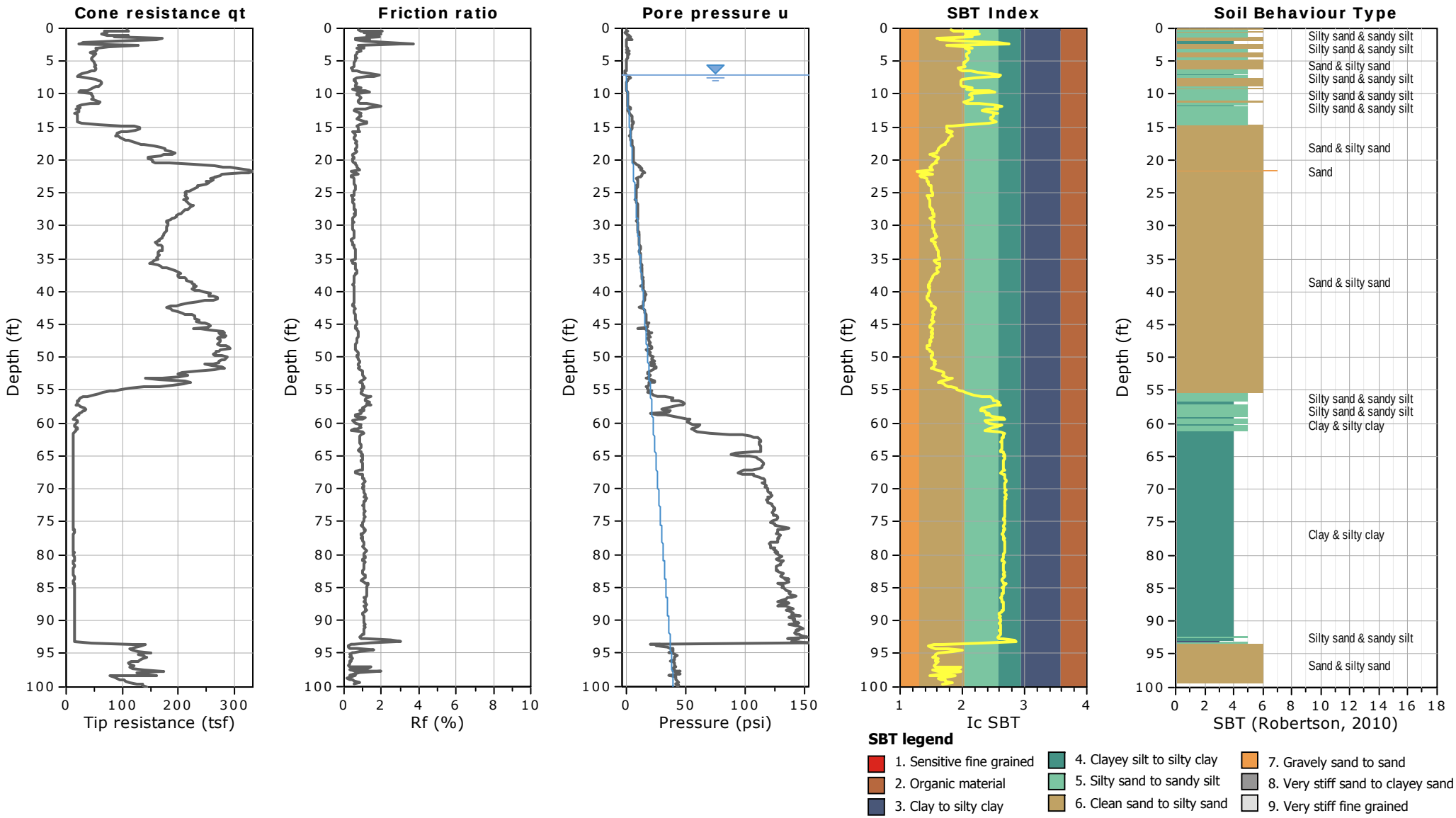

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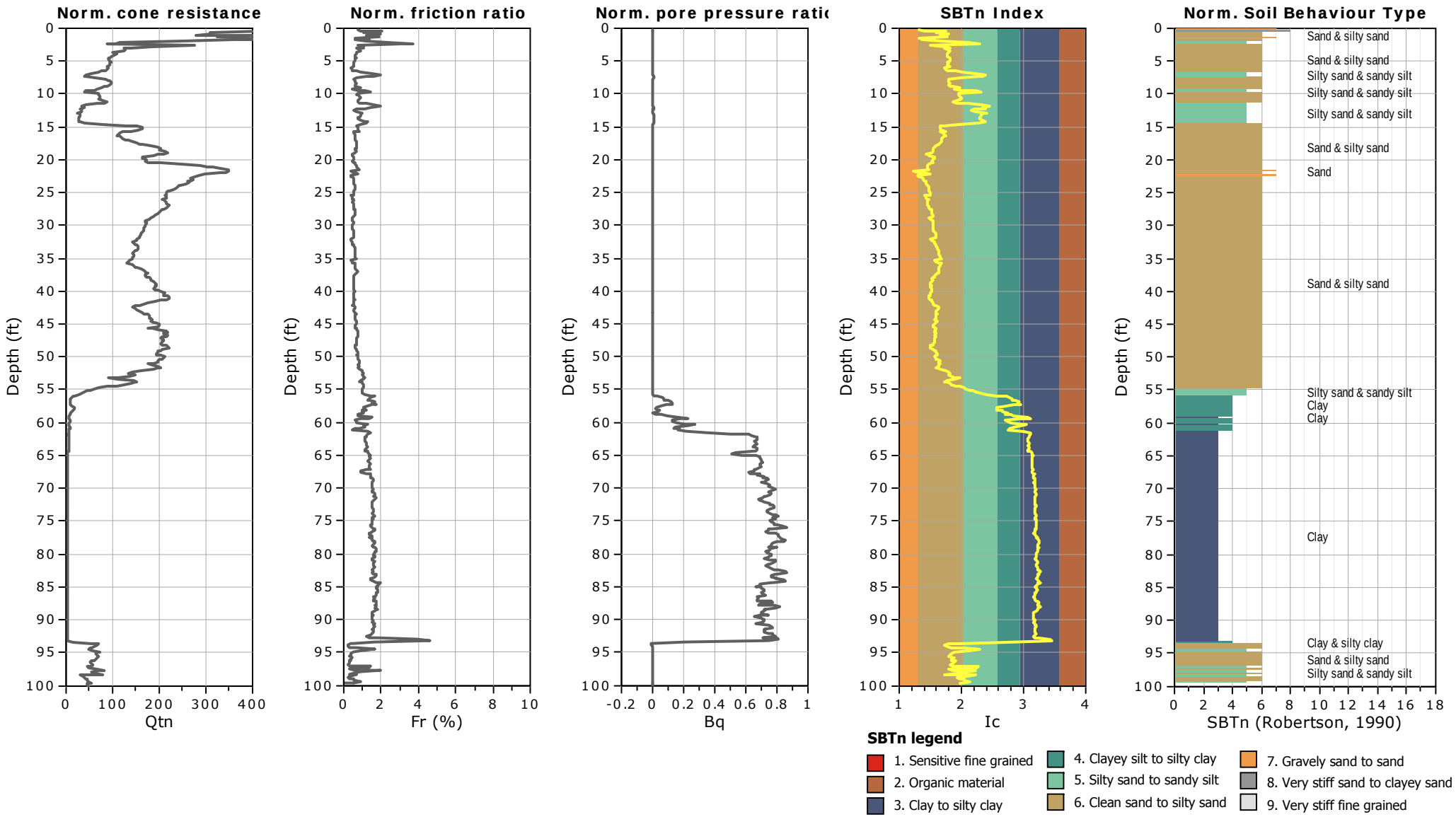

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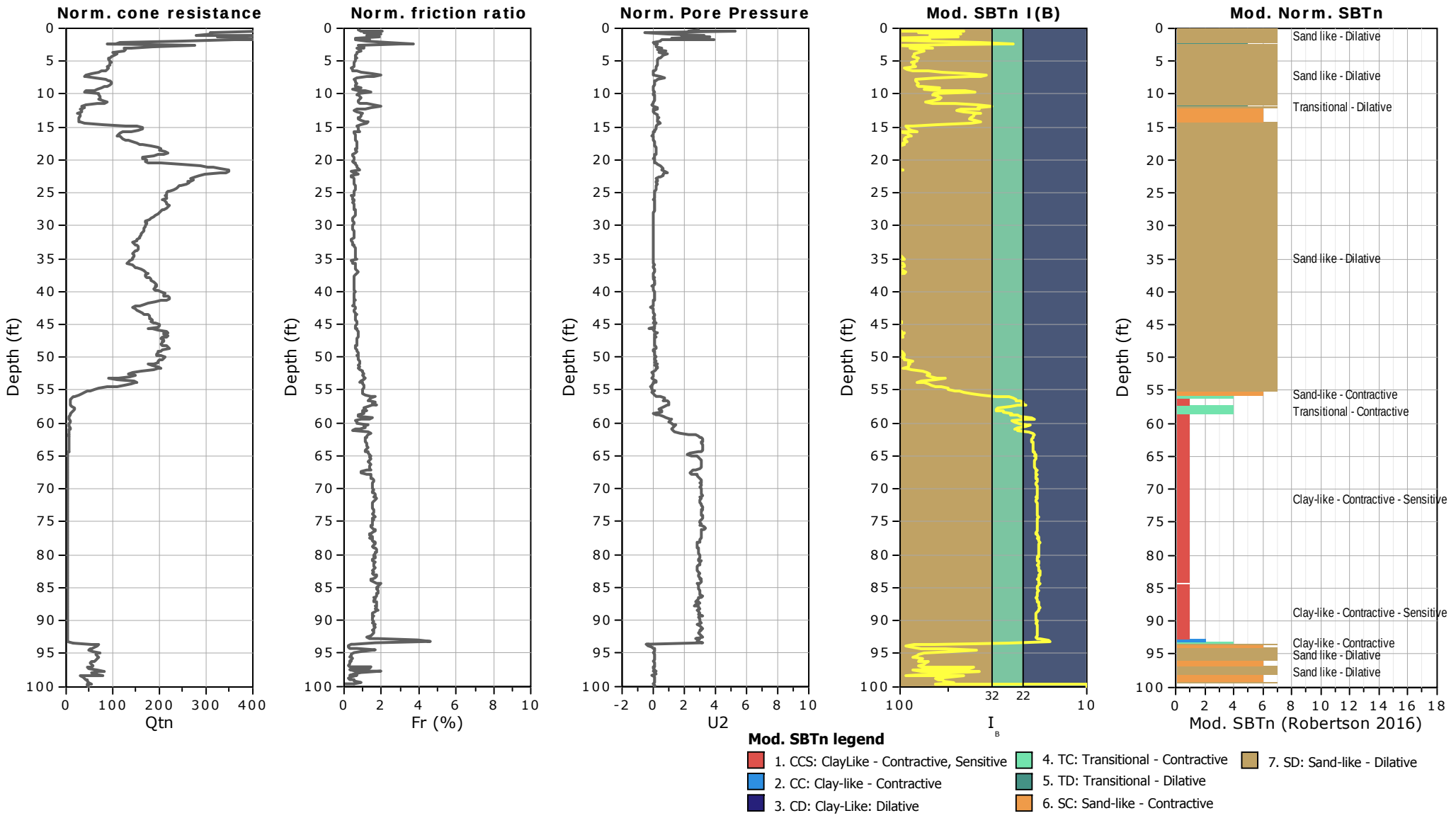

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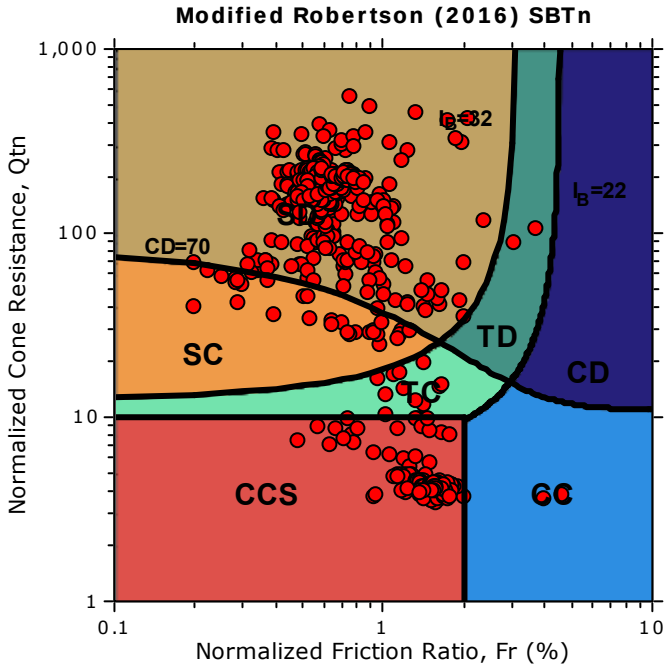
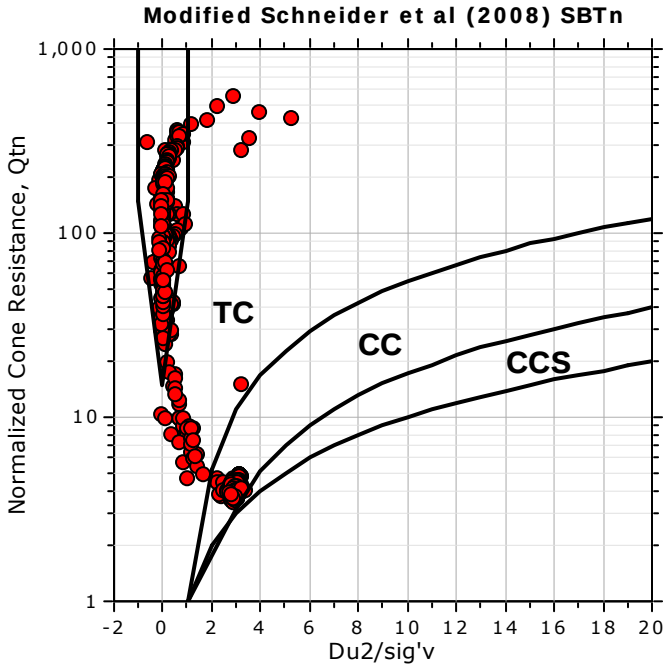
Mays Landing, NJ

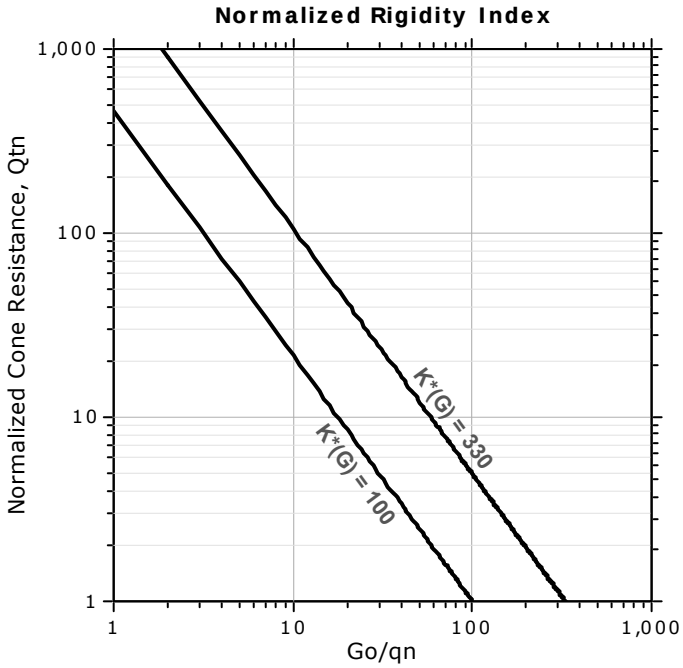
Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

CPT-3
Total depth: 100.10 ft

Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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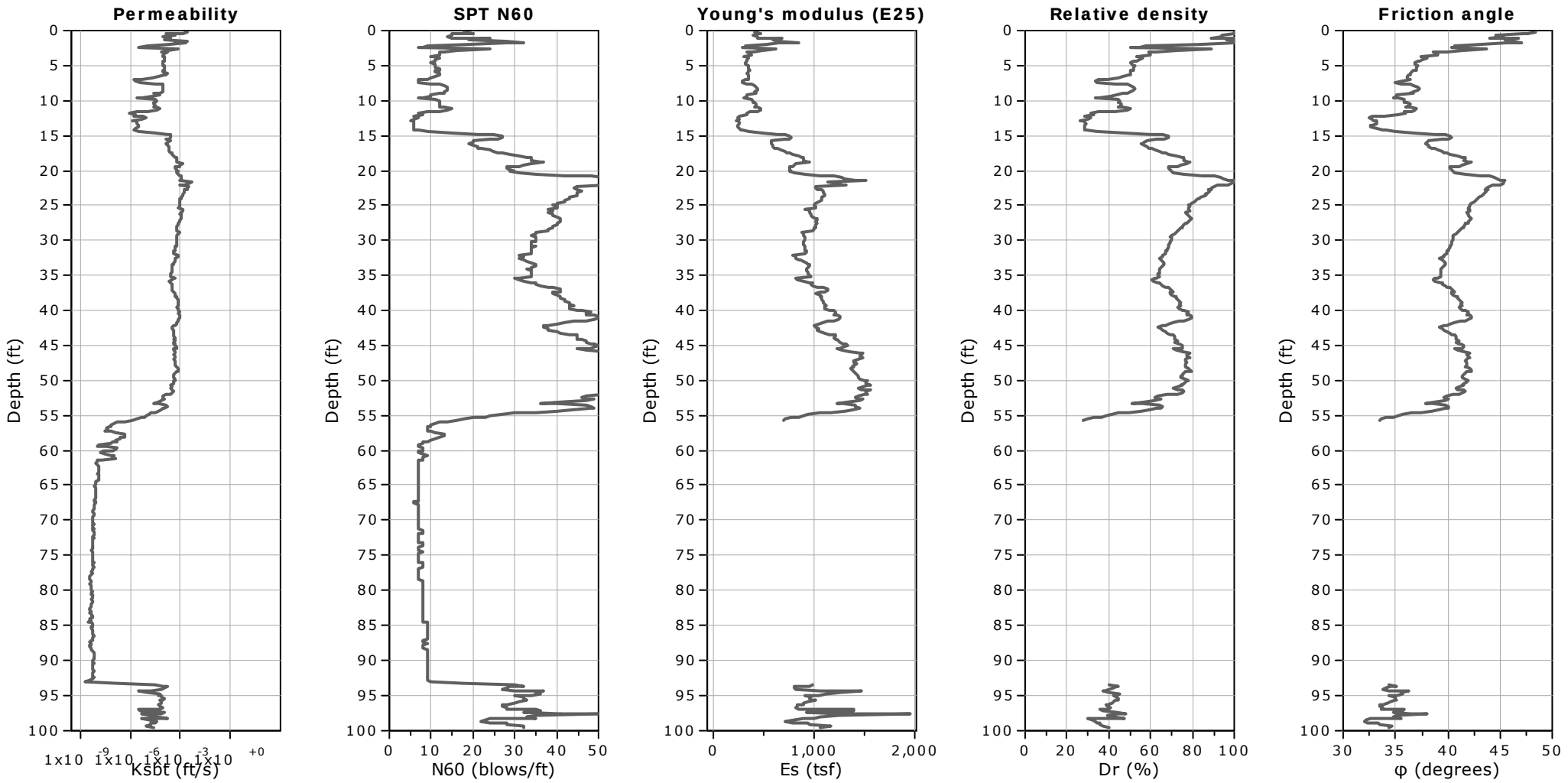

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)
User defined estimation data

Craig Geotechnical Drilling
5230 Atlantic Ave
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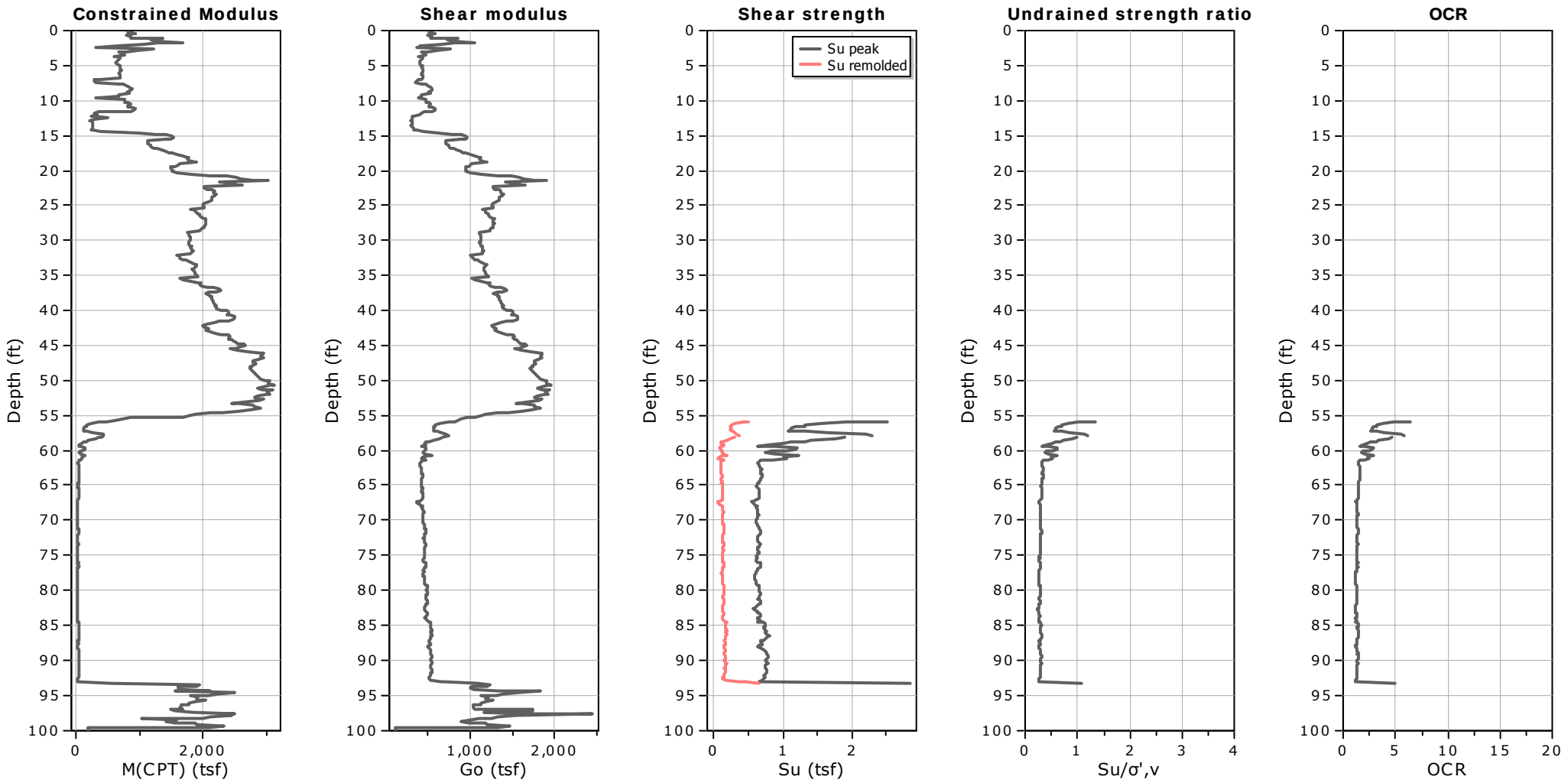
Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

CPT-3
Total depth: 100.10 ft



Calculation parameters

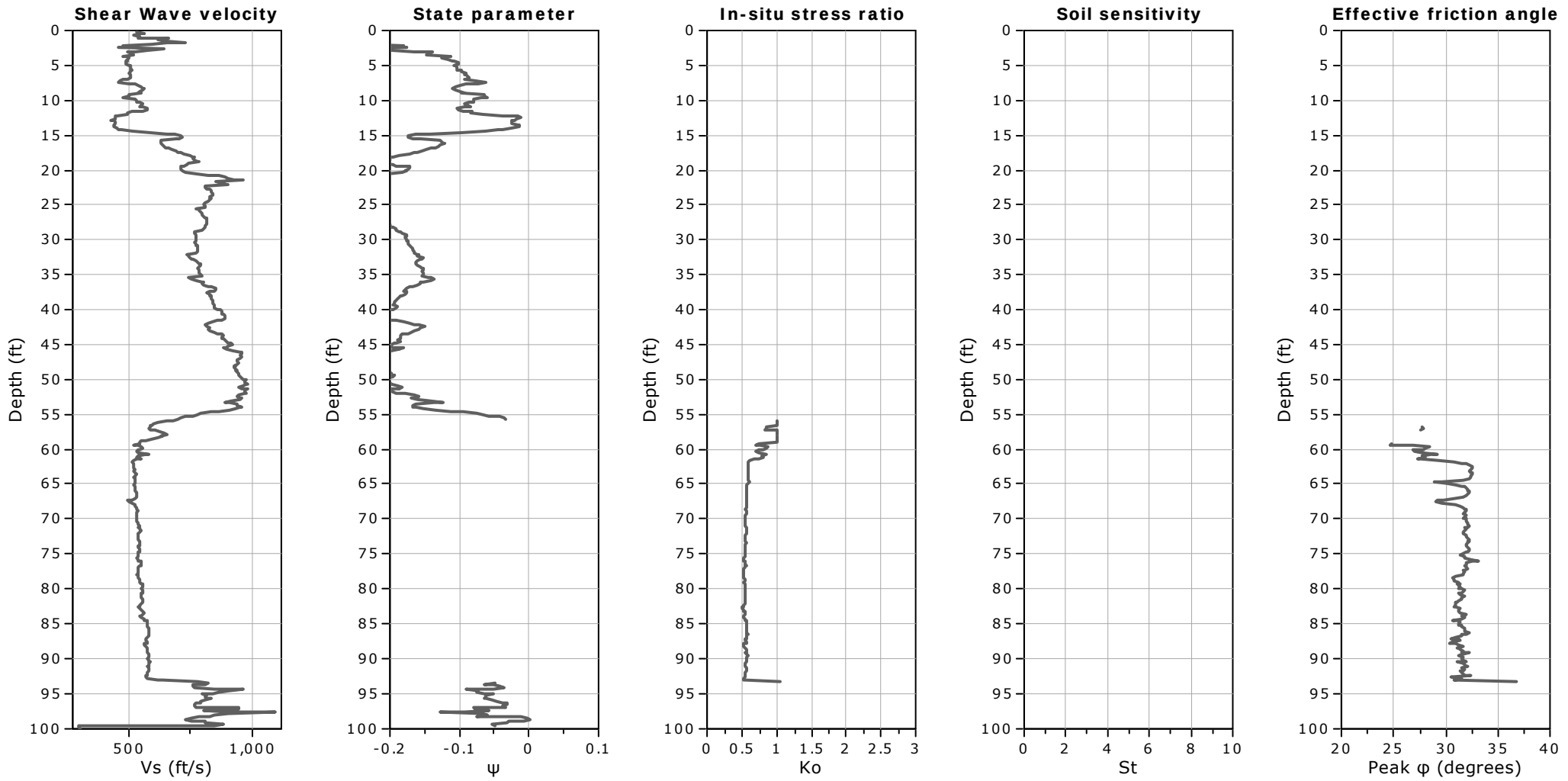
Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 14

OCR factor for clays, N_{kt}: 0.33
User defined estimation data
Flat Dilatometer Test data

Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

CPT-3
Total depth: 100.10 ft



Calculation parameters

Soil Sensitivity factor, N_S: 350.00

User defined estimation data

Craig Geotechnical Drilling
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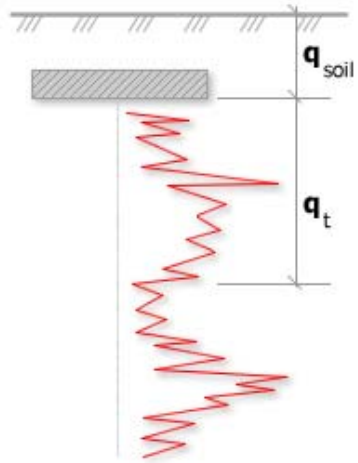
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

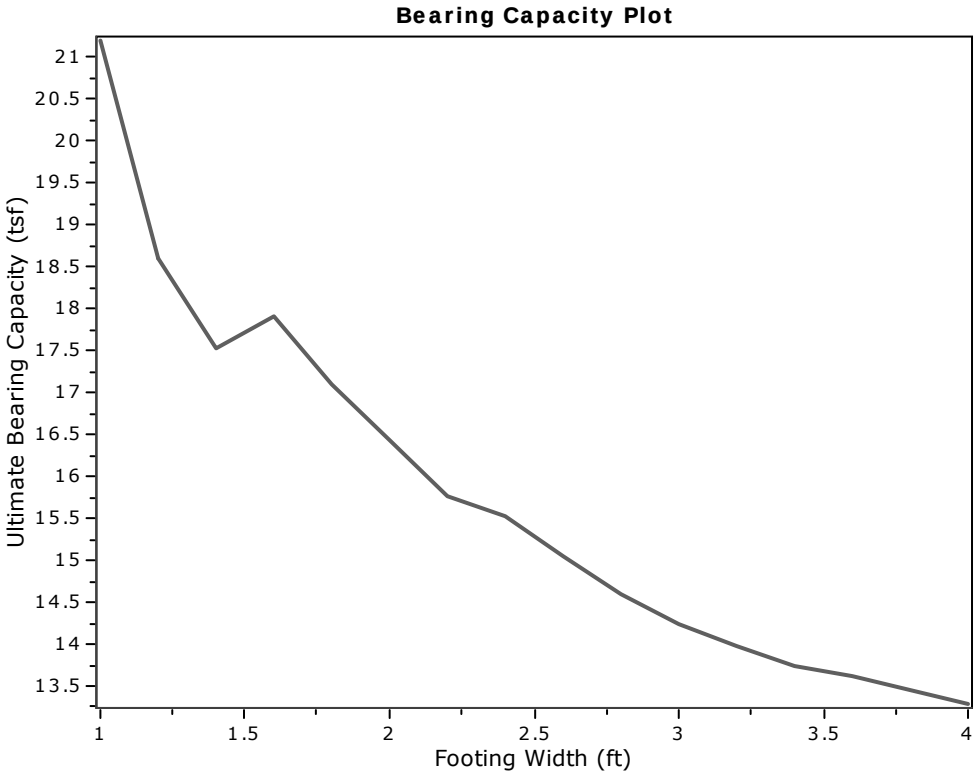
CPT-3
Total depth: 100.10 ft



Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (ft)	Start Depth (ft)	End Depth (ft)	Ave. q_t (tsf)	R_k	Soil Press. (tsf)	Ult. bearing cap. (tsf)
1	1.00	0.50	2.00	105.85	0.20	0.03	21.20
2	1.20	0.50	2.30	92.87	0.20	0.03	18.60
3	1.40	0.50	2.60	87.49	0.20	0.03	17.53
4	1.60	0.50	2.90	89.48	0.20	0.03	17.93
5	1.80	0.50	3.20	85.35	0.20	0.03	17.10
6	2.00	0.50	3.50	82.09	0.20	0.03	16.45
7	2.20	0.50	3.80	78.70	0.20	0.03	15.77
8	2.40	0.50	4.10	77.50	0.20	0.03	15.53
9	2.60	0.50	4.40	75.14	0.20	0.03	15.06
10	2.80	0.50	4.70	72.86	0.20	0.03	14.60
11	3.00	0.50	5.00	71.06	0.20	0.03	14.24
12	3.20	0.50	5.30	69.72	0.20	0.03	13.97
13	3.40	0.50	5.60	68.62	0.20	0.03	13.75
14	3.60	0.50	5.90	68.05	0.20	0.03	13.64
15	3.80	0.50	6.20	67.12	0.20	0.03	13.45
16	4.00	0.50	6.50	66.32	0.20	0.03	13.29

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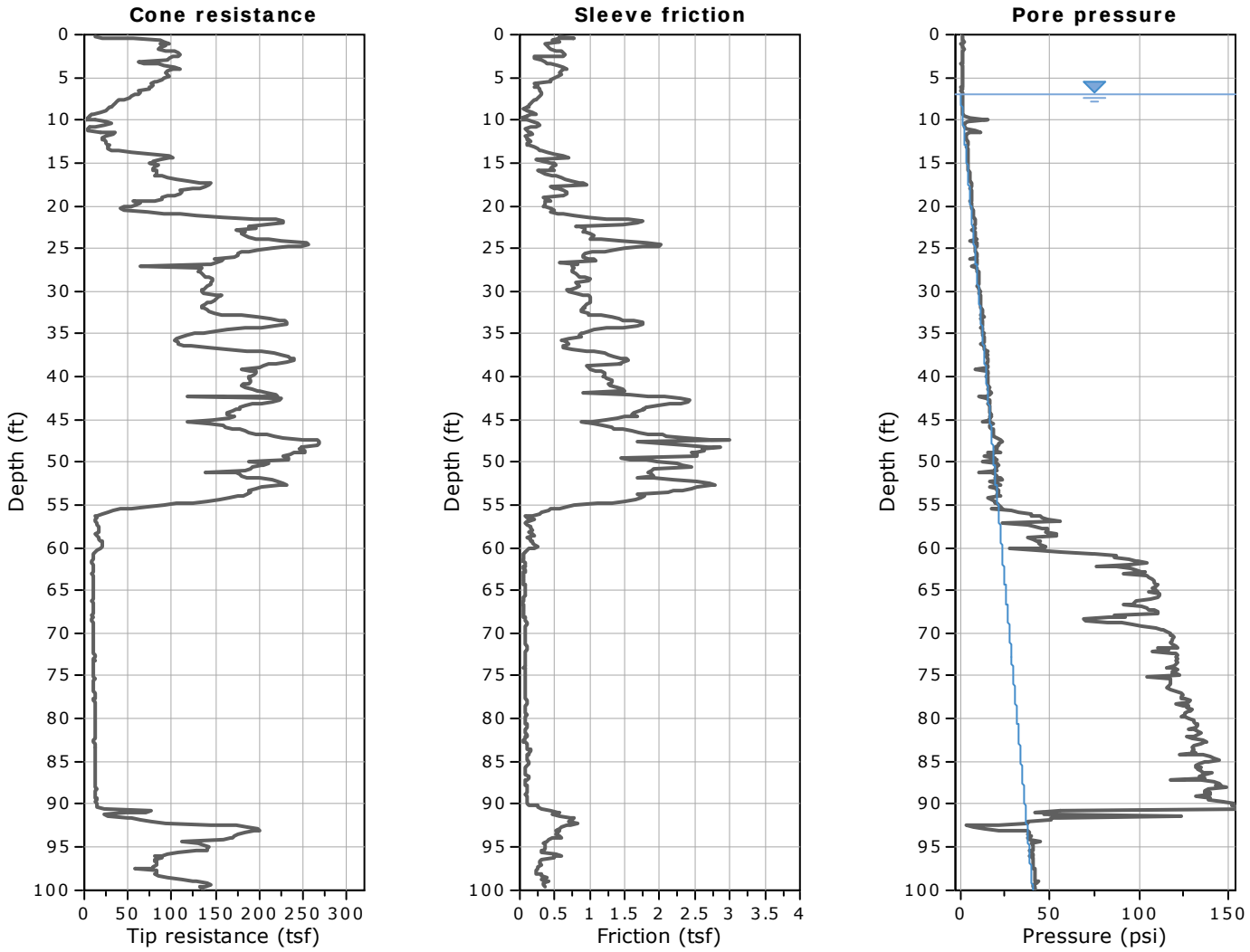
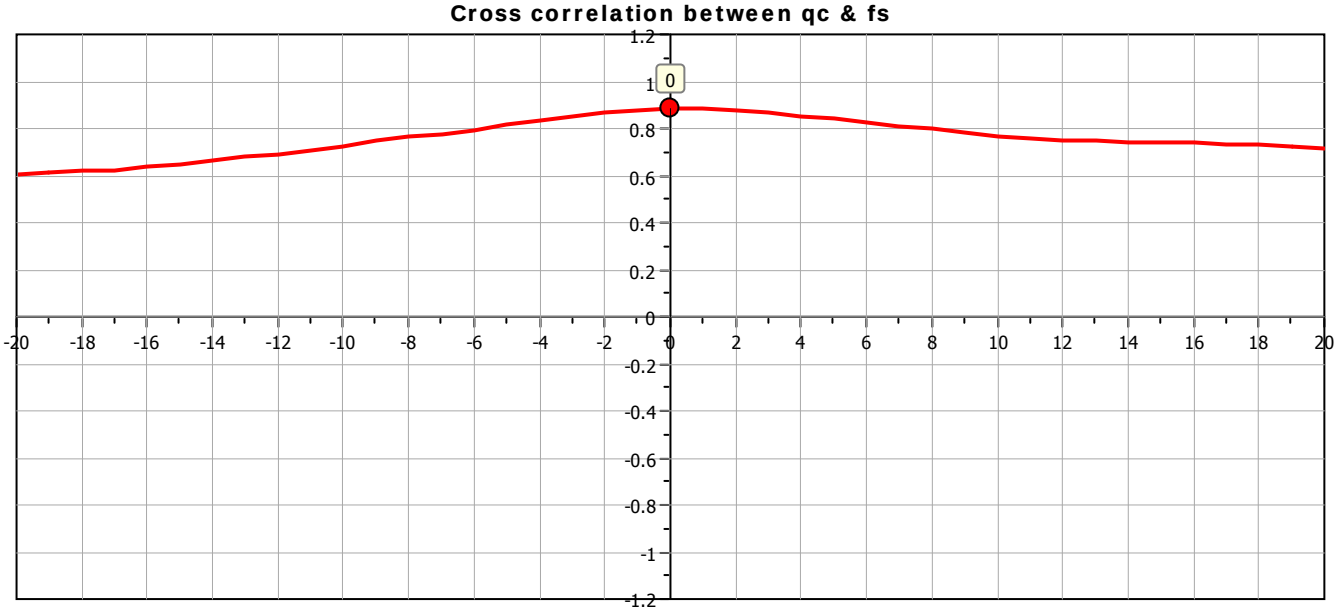
Mays Landing, NJ

Project: **Mueser Rutledge** **SCPT-1**
Location: **2828 W 28th St, Coney Island NY** Total depth: 100.10 ft



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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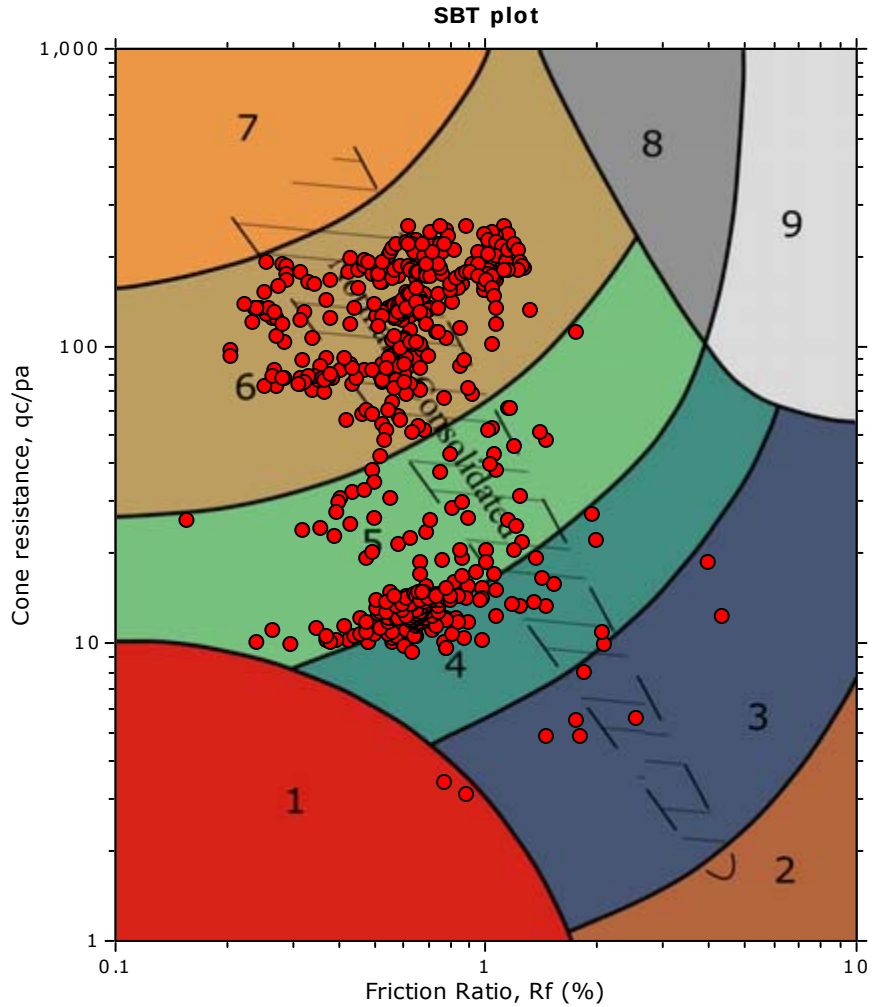
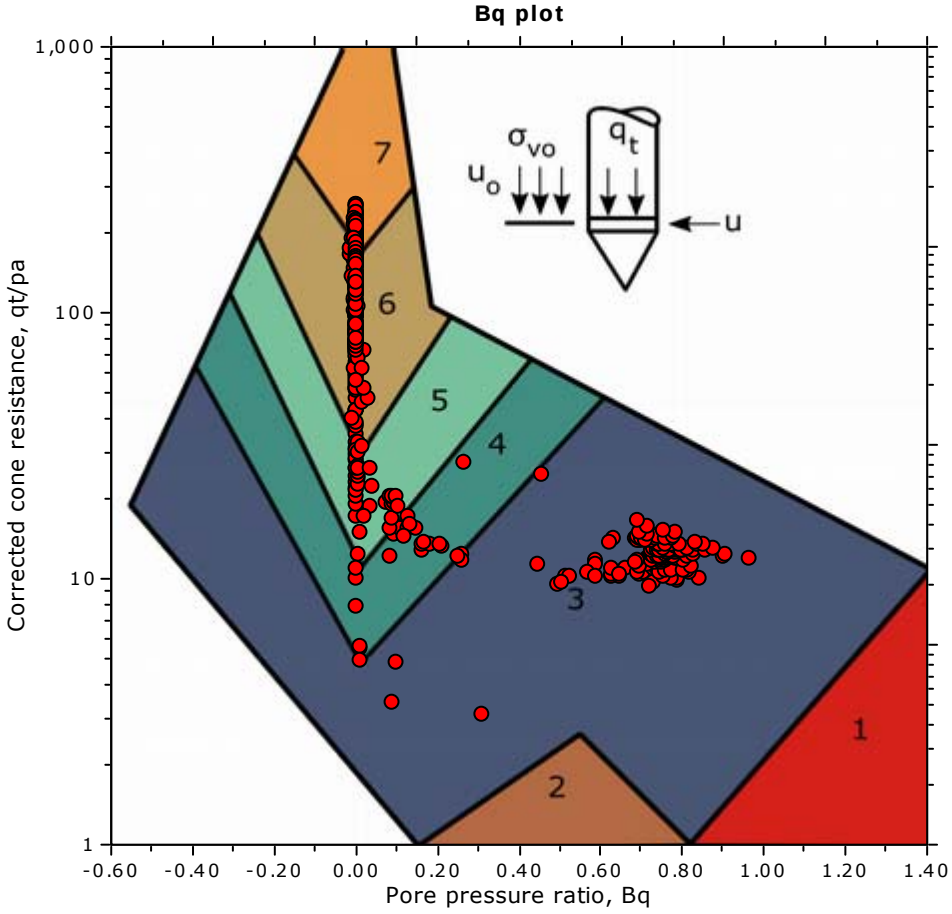
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

SCPT-1
Total depth: 100.10 ft

SBT - Bq plots





SBT legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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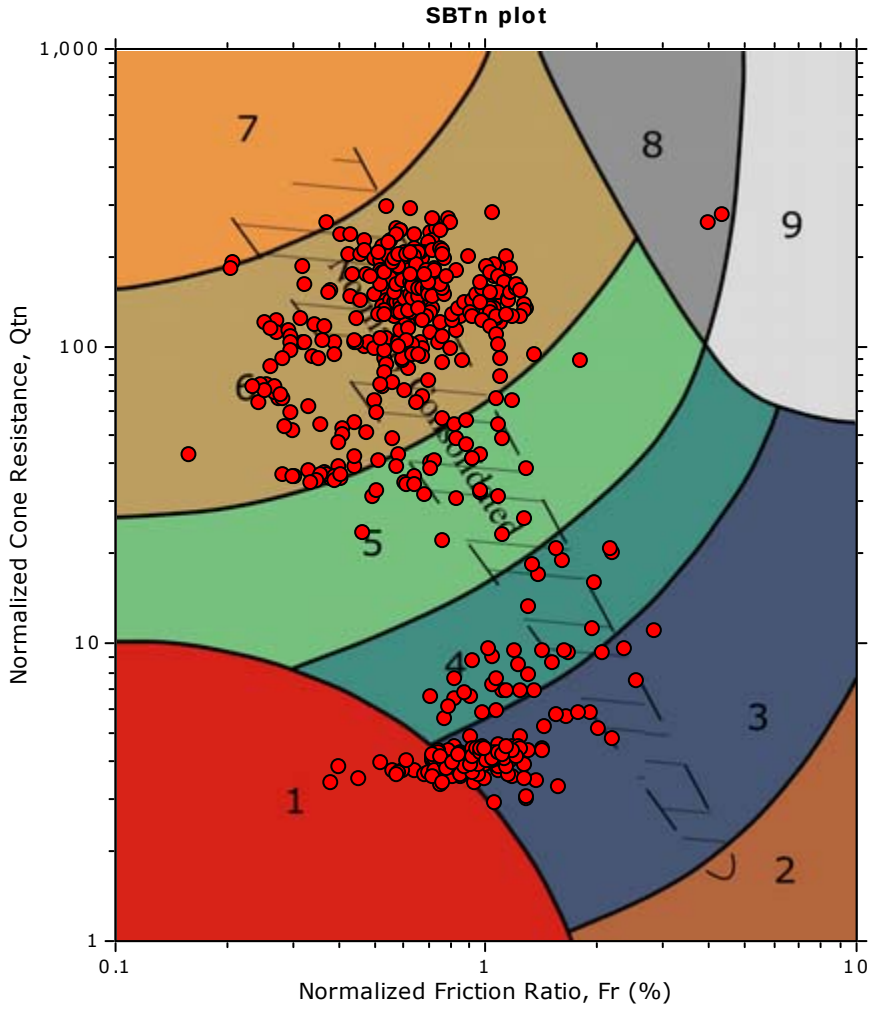
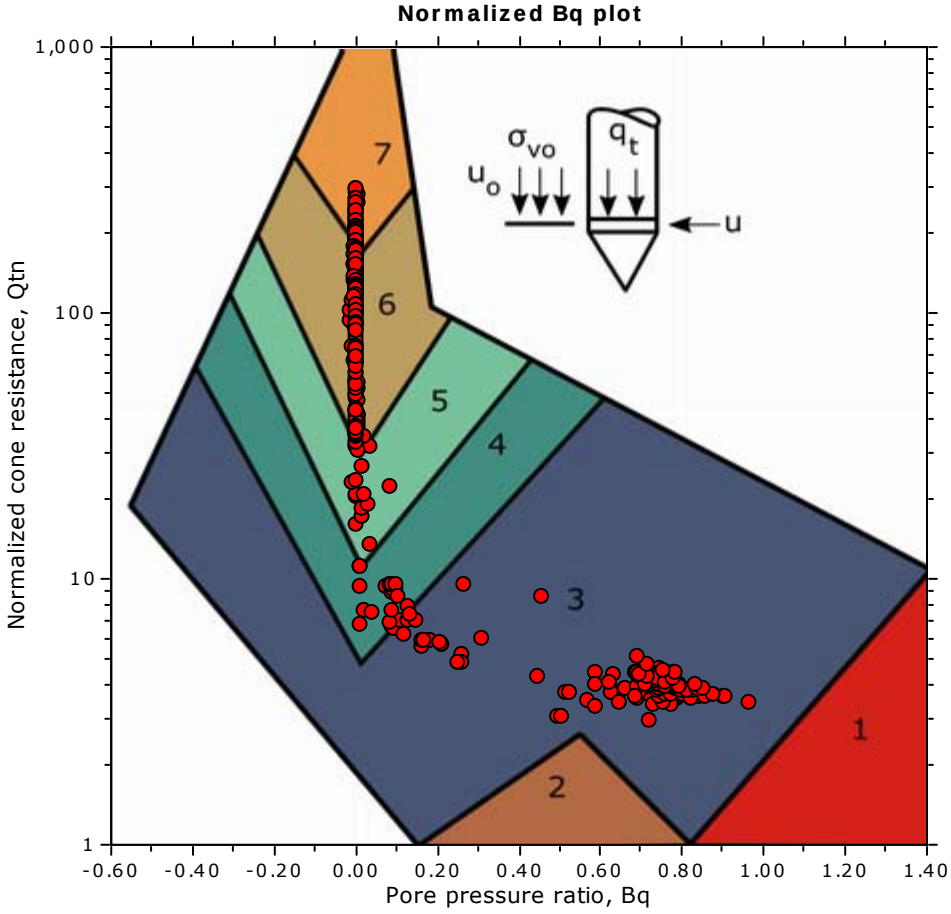
Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

SCPT-1
Total depth: 100.10 ft

SBT - Bq plots (normalized)





SBTn legend

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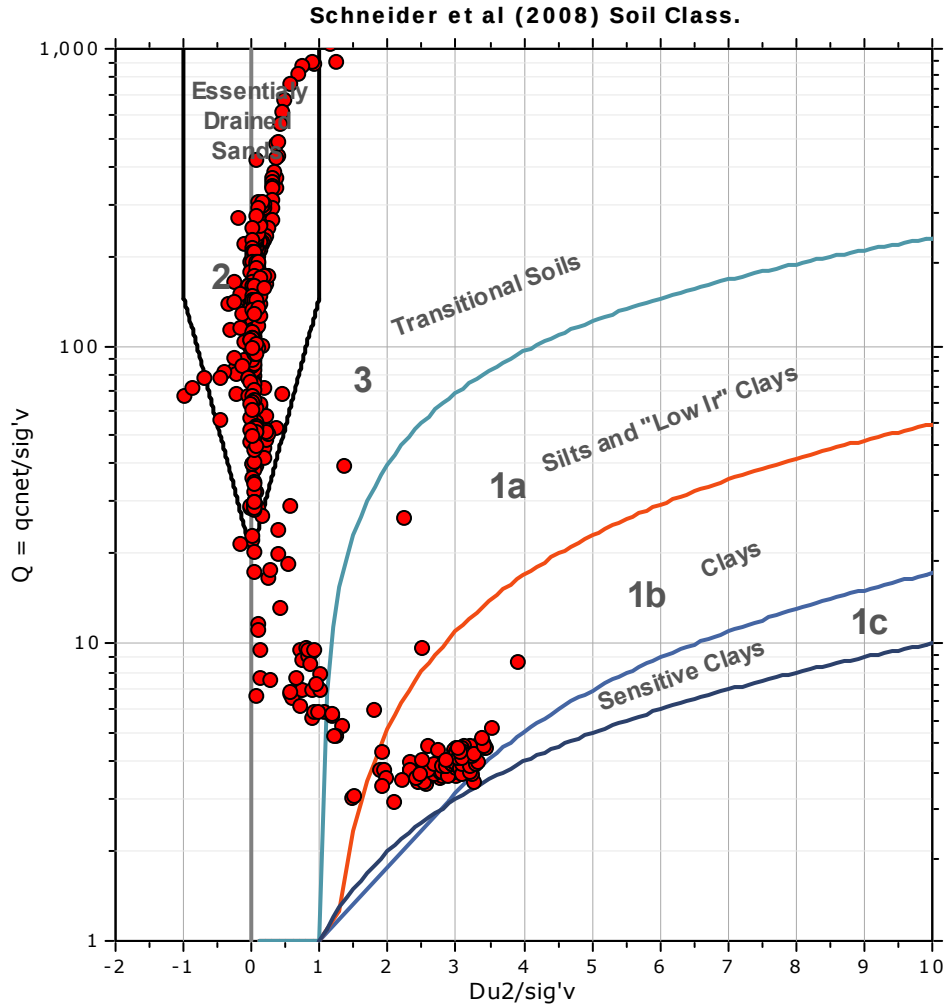
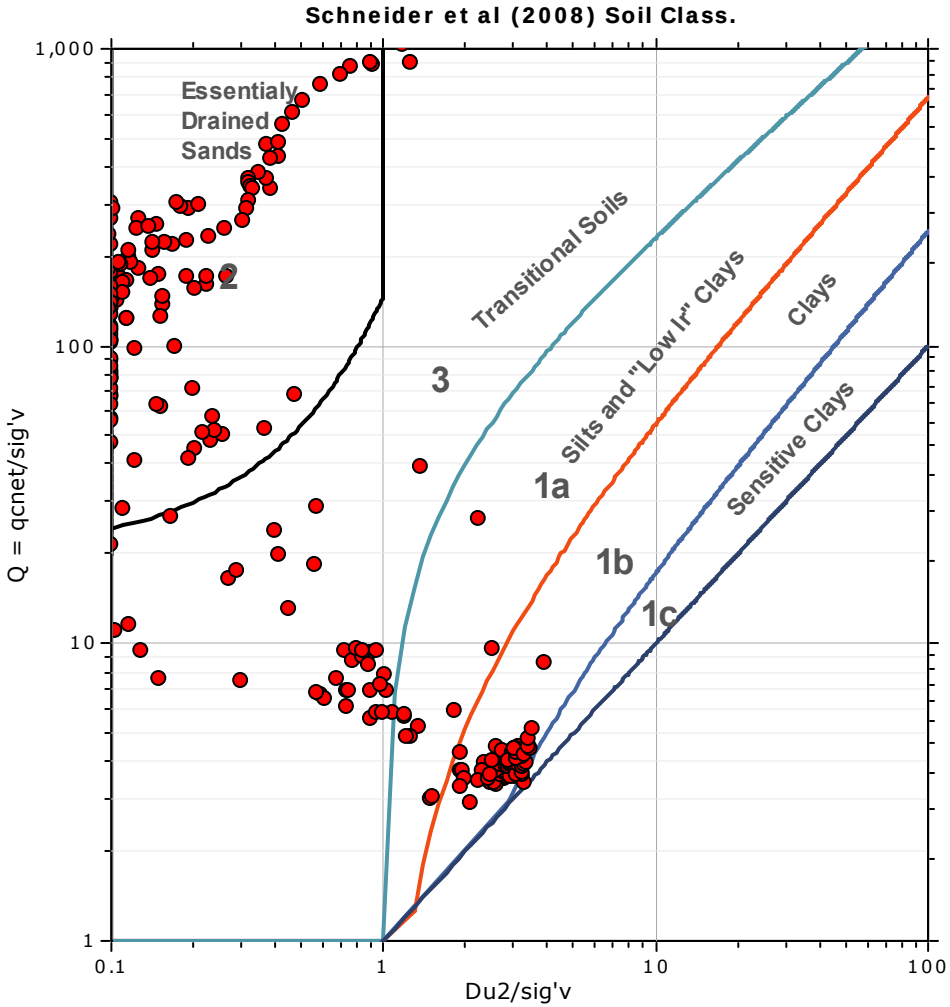
SCPT-1
Total depth: 100.10 ft

Bq plots (Schneider)





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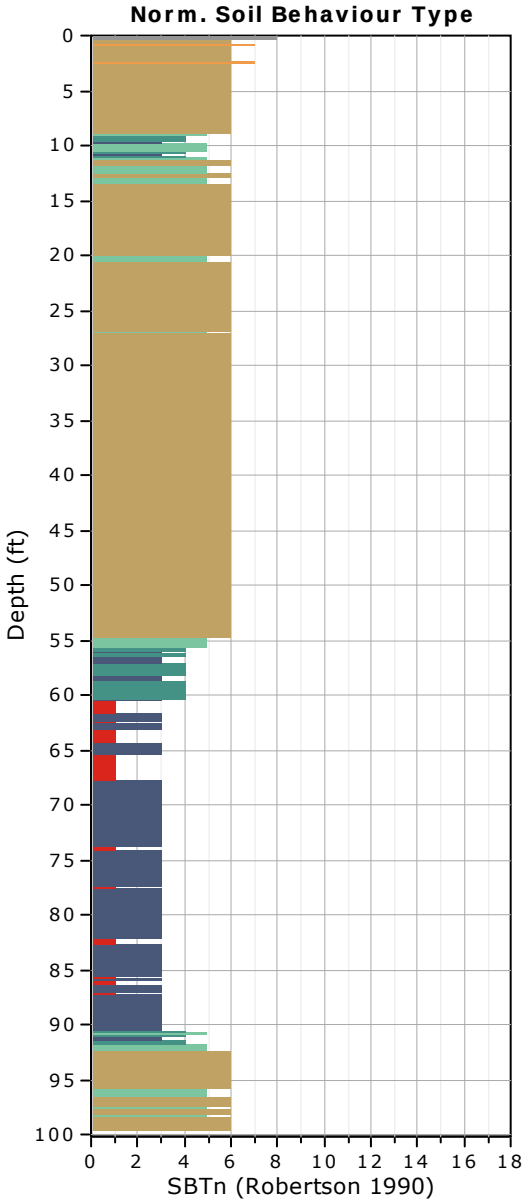

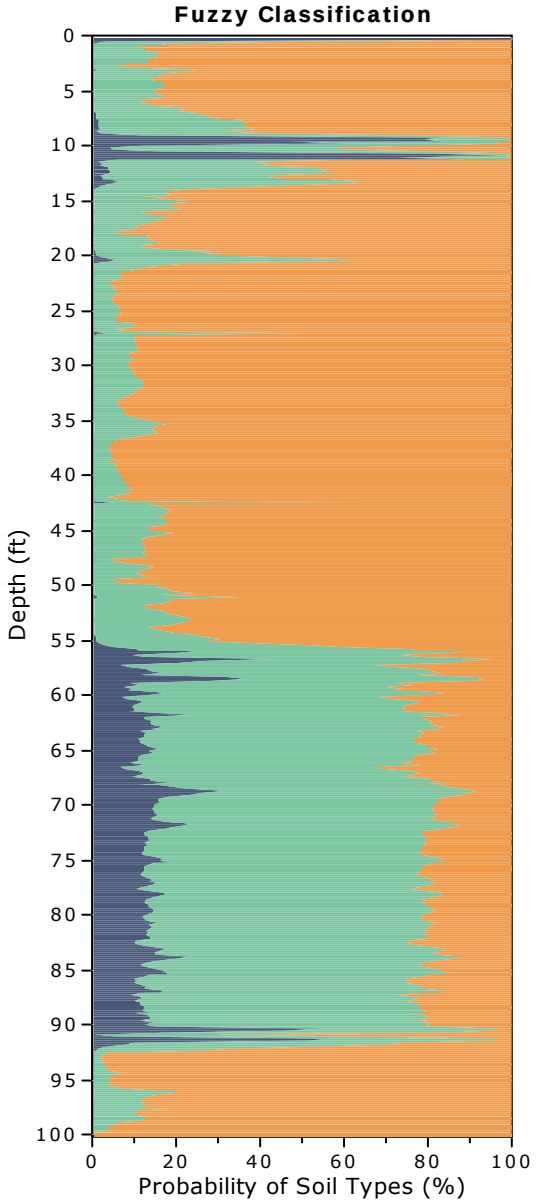

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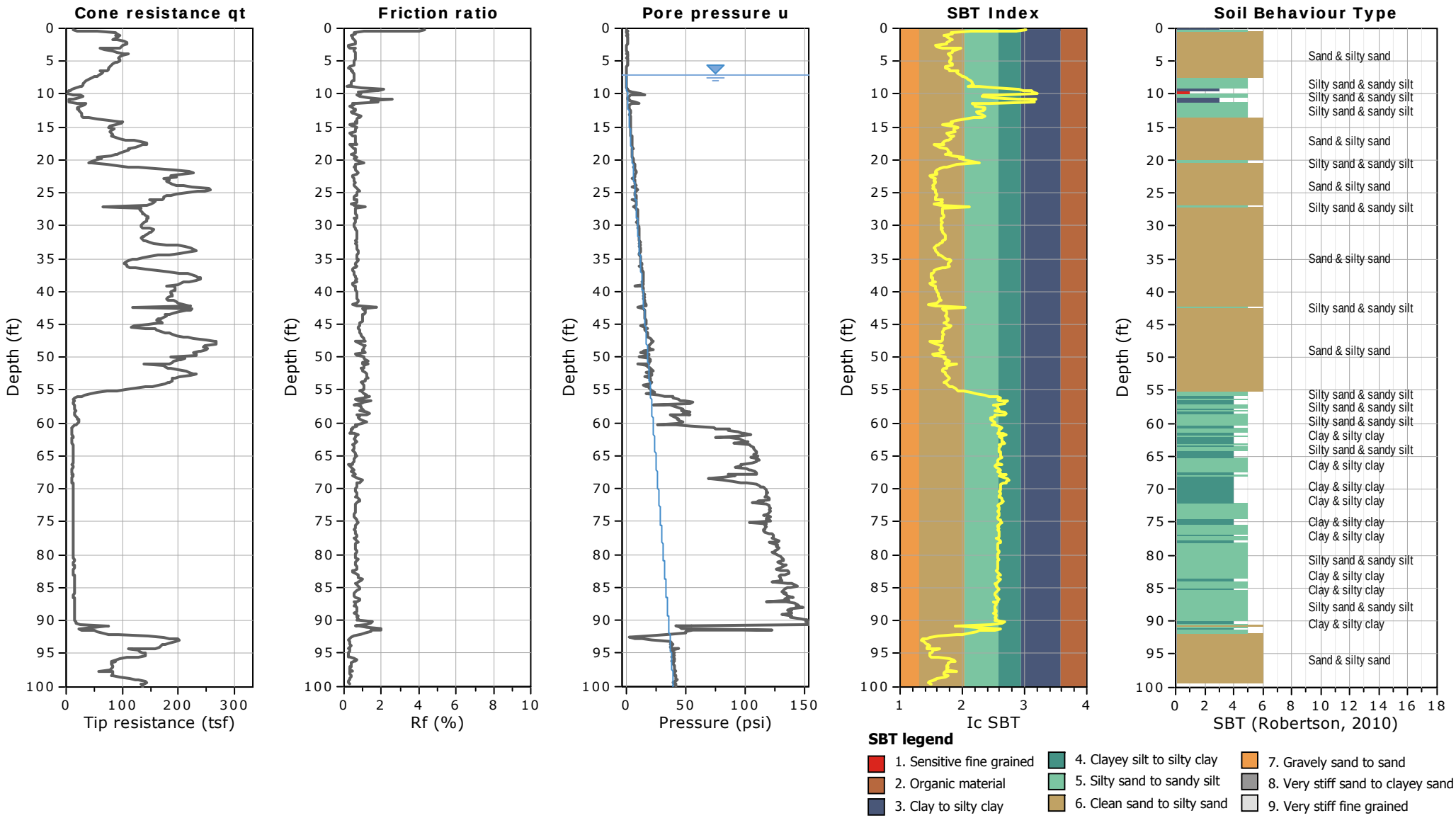

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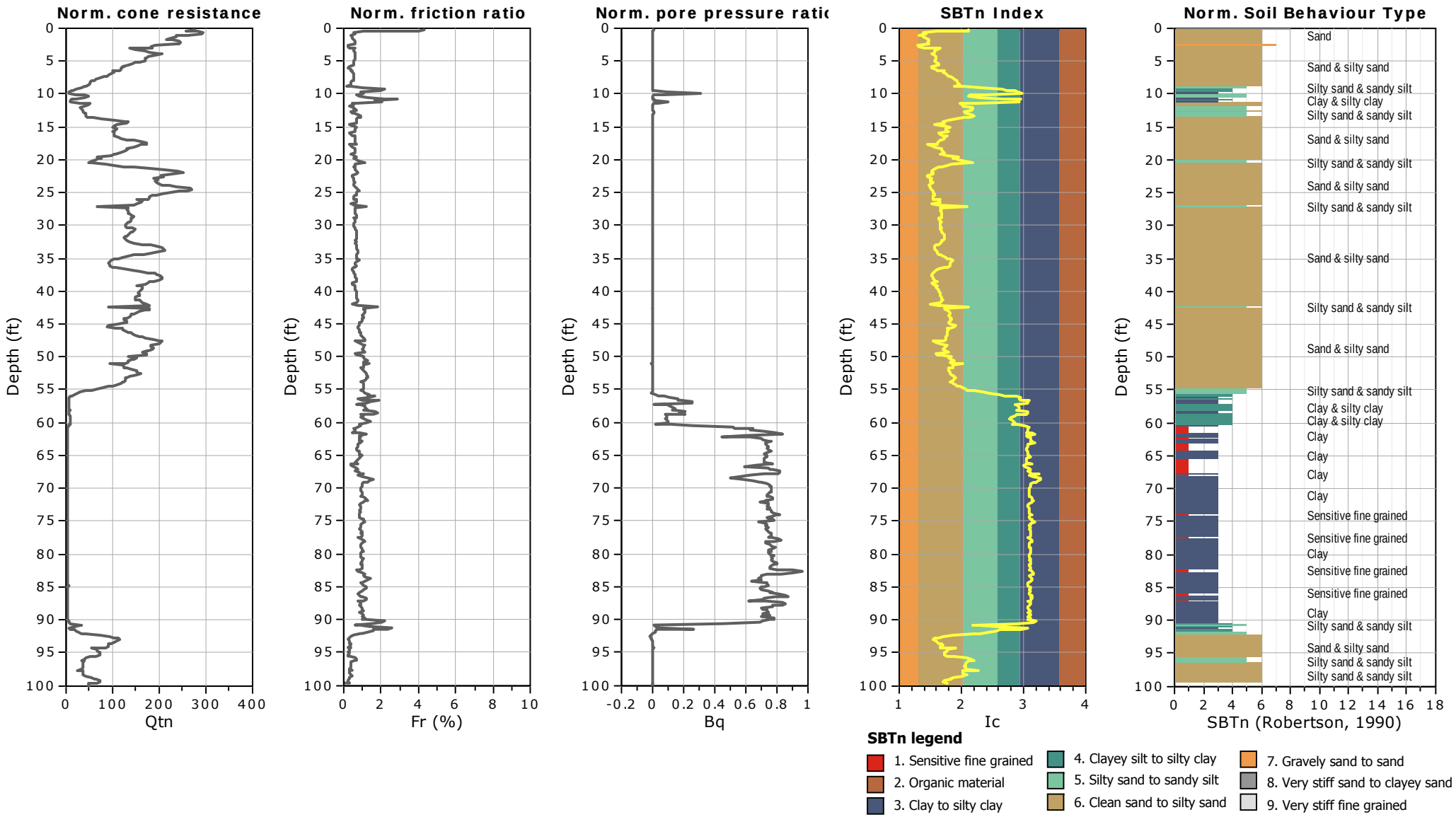

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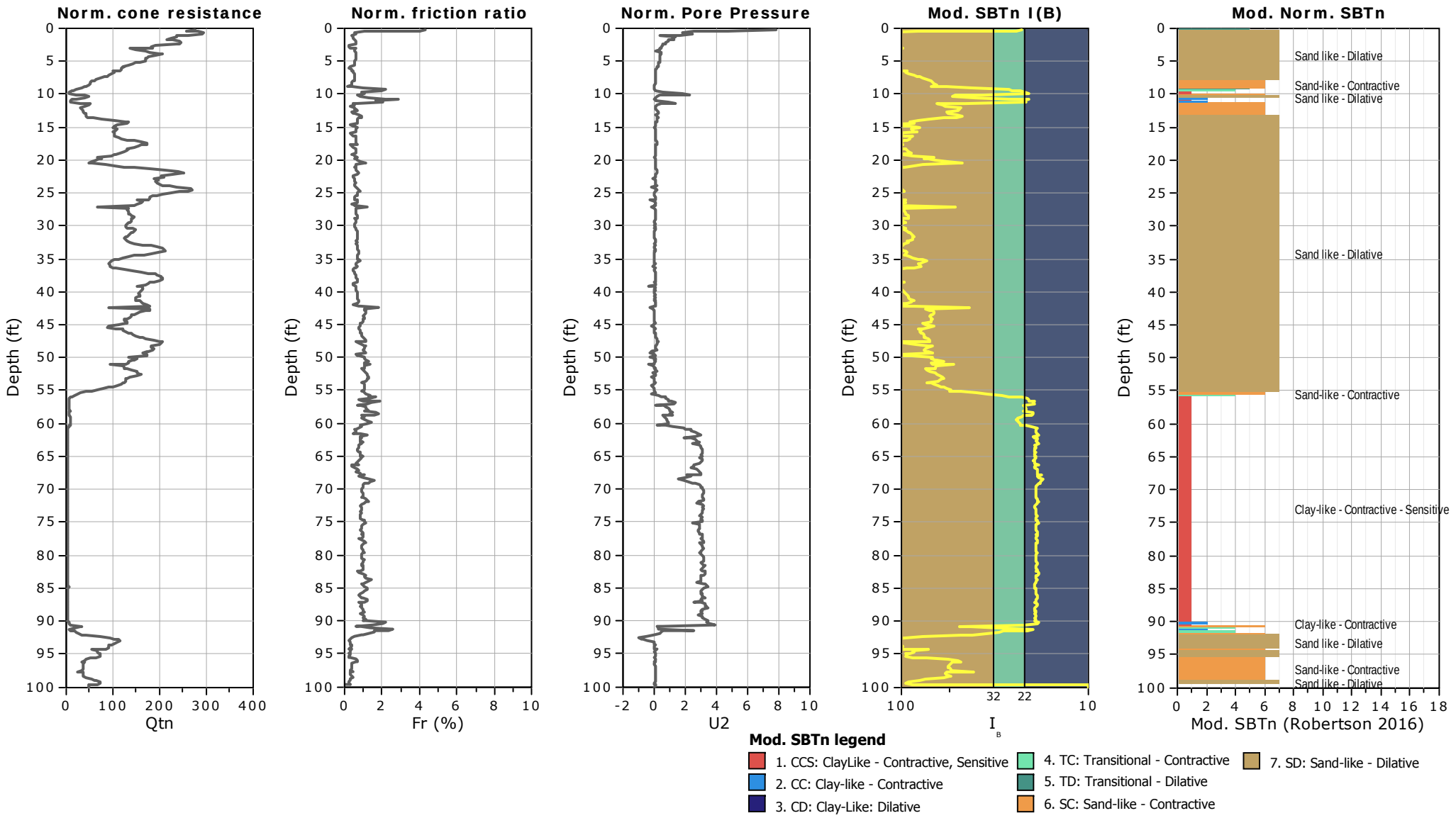

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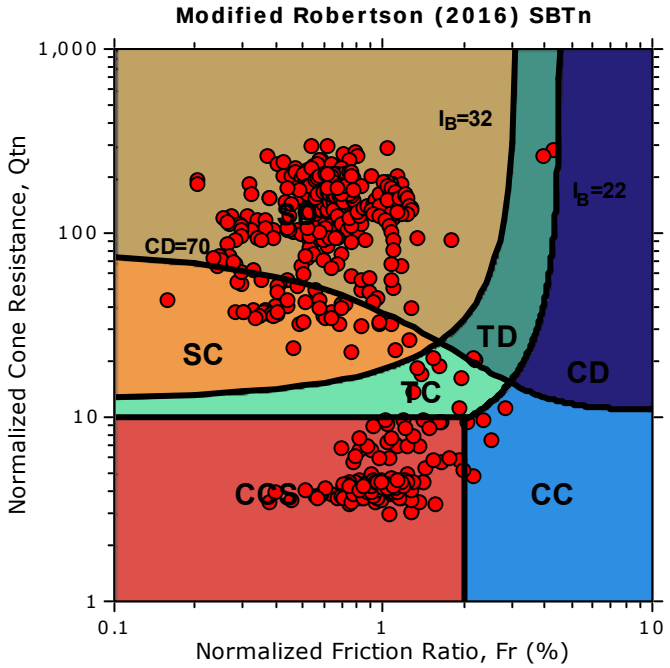
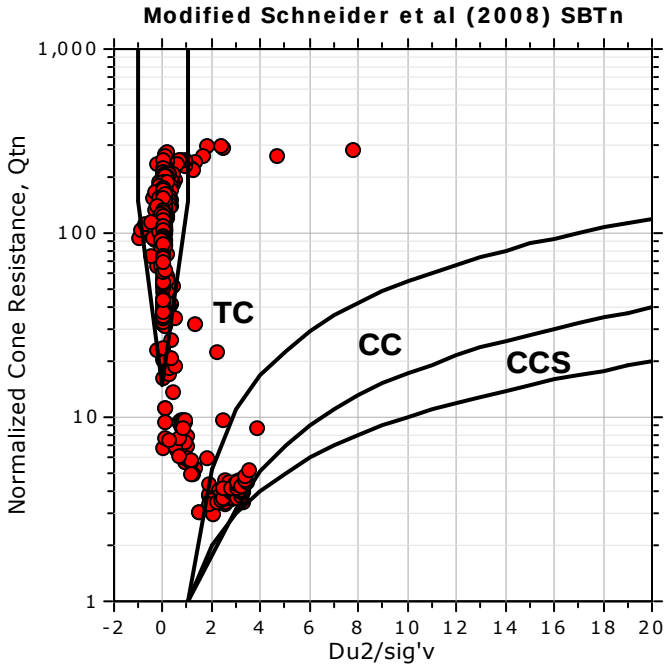
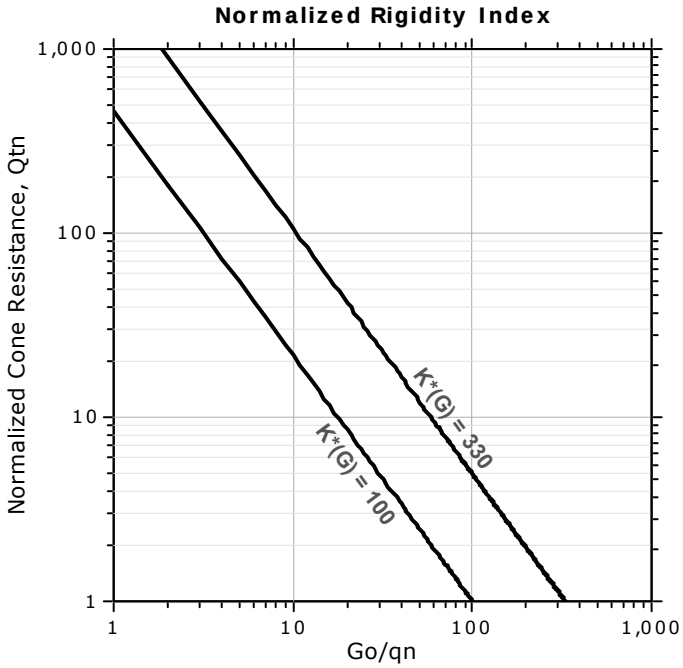
SCPT-1
Total depth: 100.10 ft

Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
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Location: **2828 W 28th St, Coney Island NY**

SCPT-1
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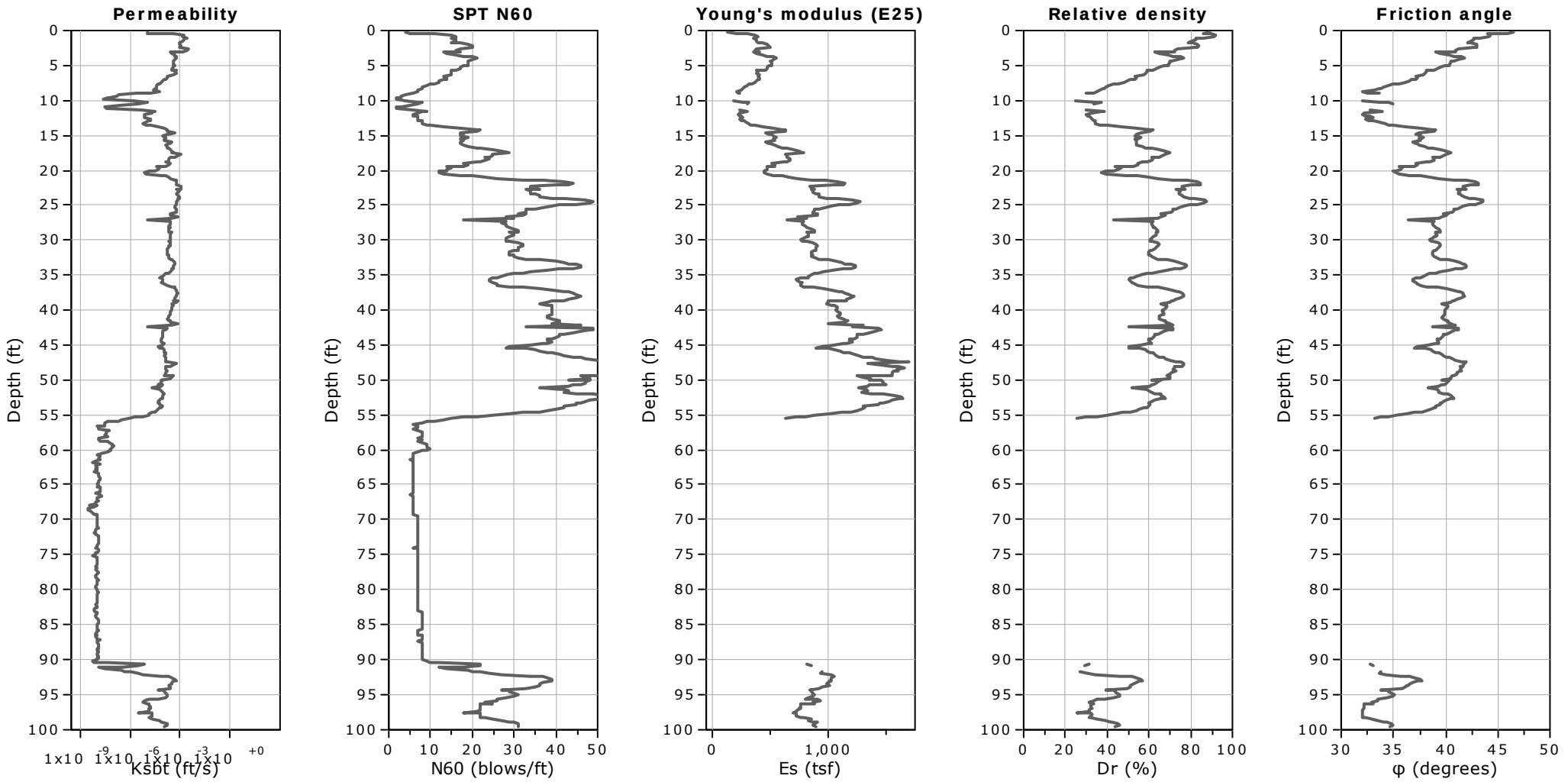

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)
User defined estimation data

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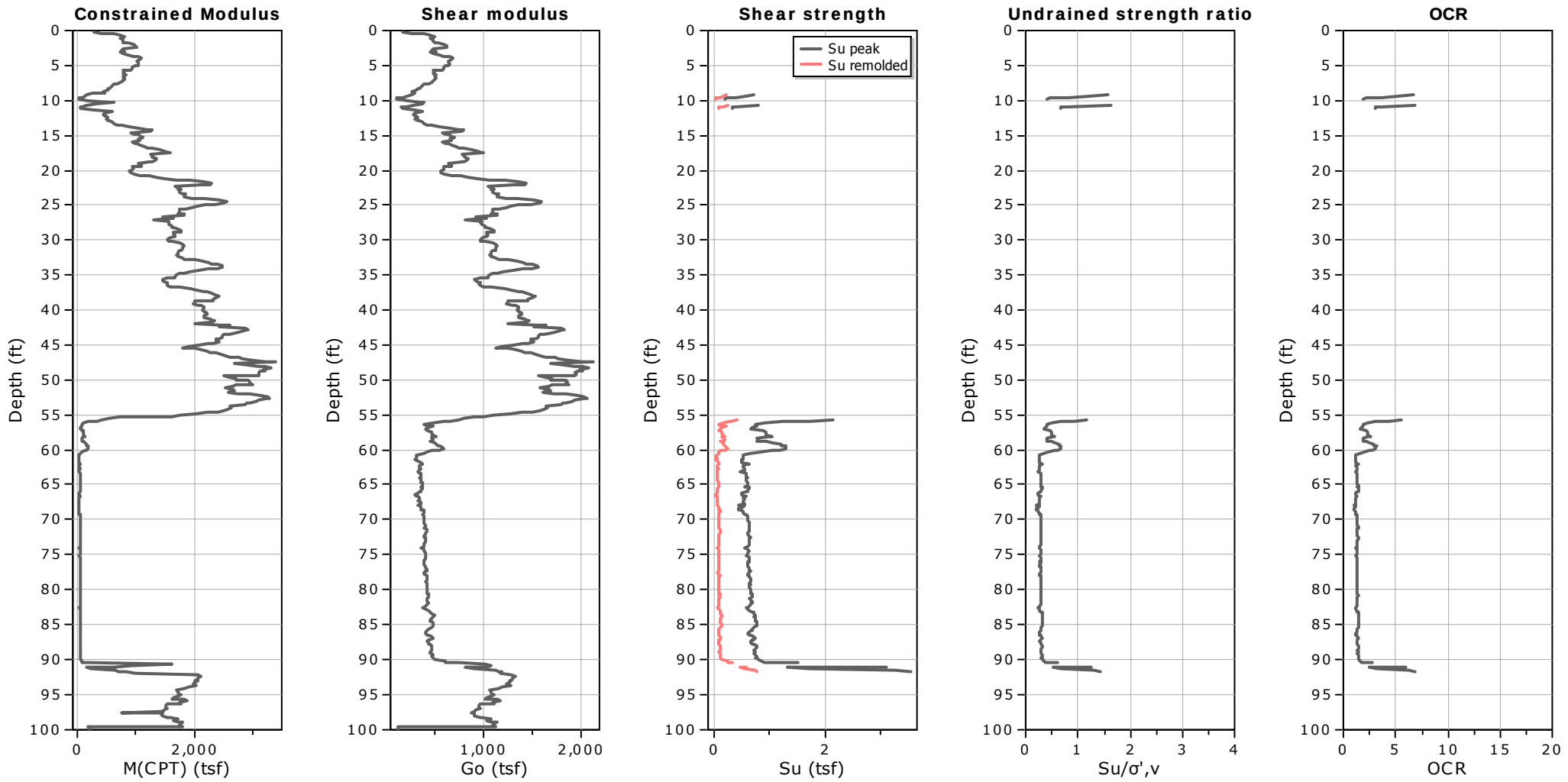
Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

SCPT-1
Total depth: 100.10 ft



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 14
OCR factor for clays, N_{kt}: 0.33
User defined estimation data
Flat Dilatometer Test data

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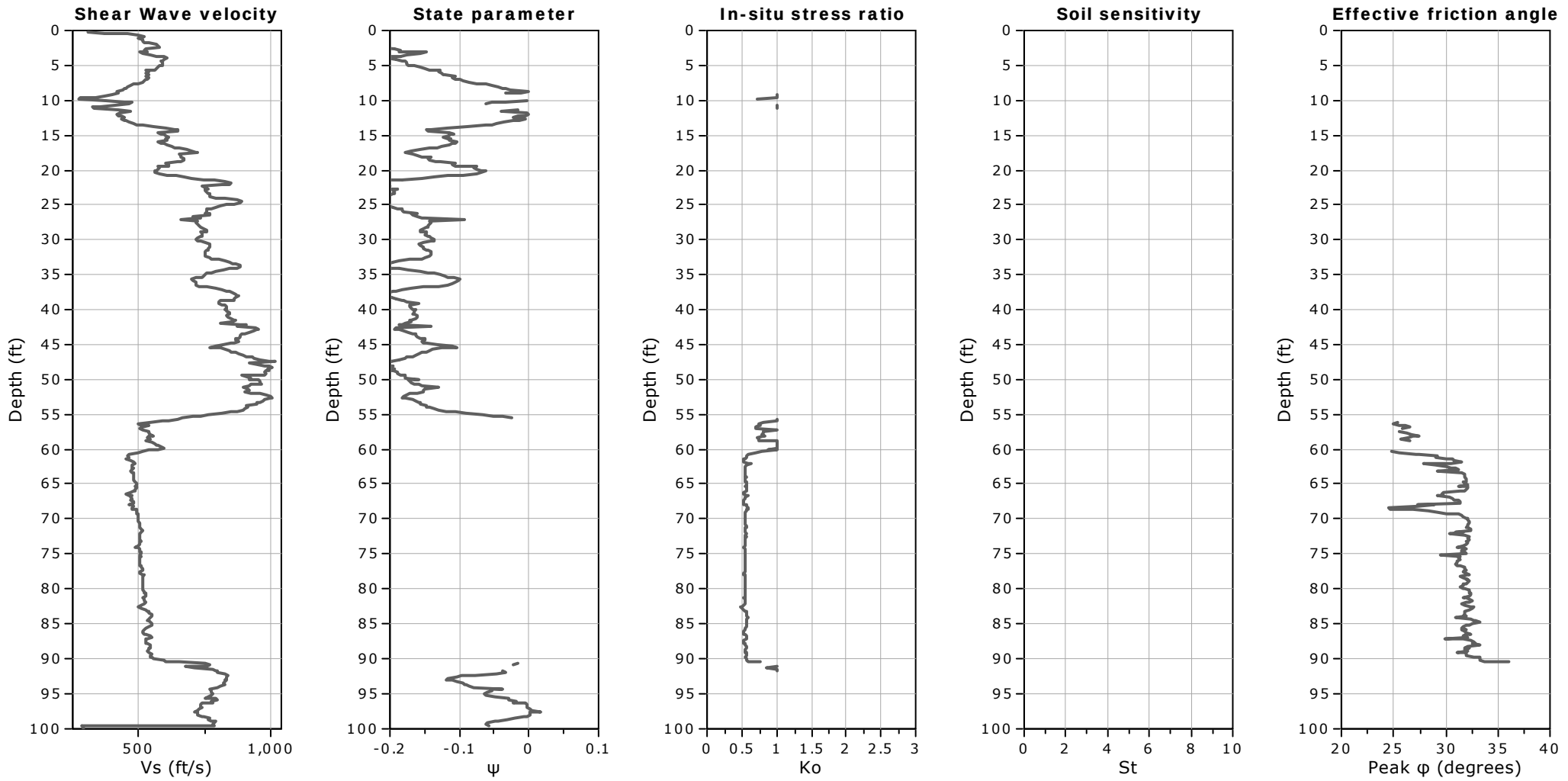
SCPT-1
Total depth: 100.10 ft



Calculation parameters

Soil Sensitivity factor, N_S: 350.00

User defined estimation data

Craig Geotechnical Drilling
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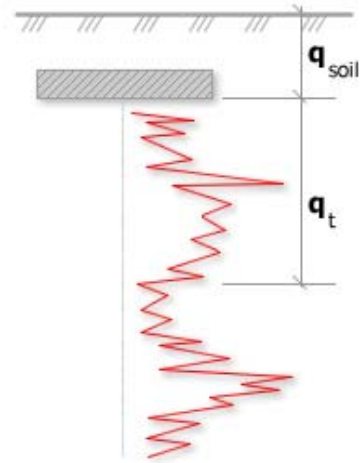
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

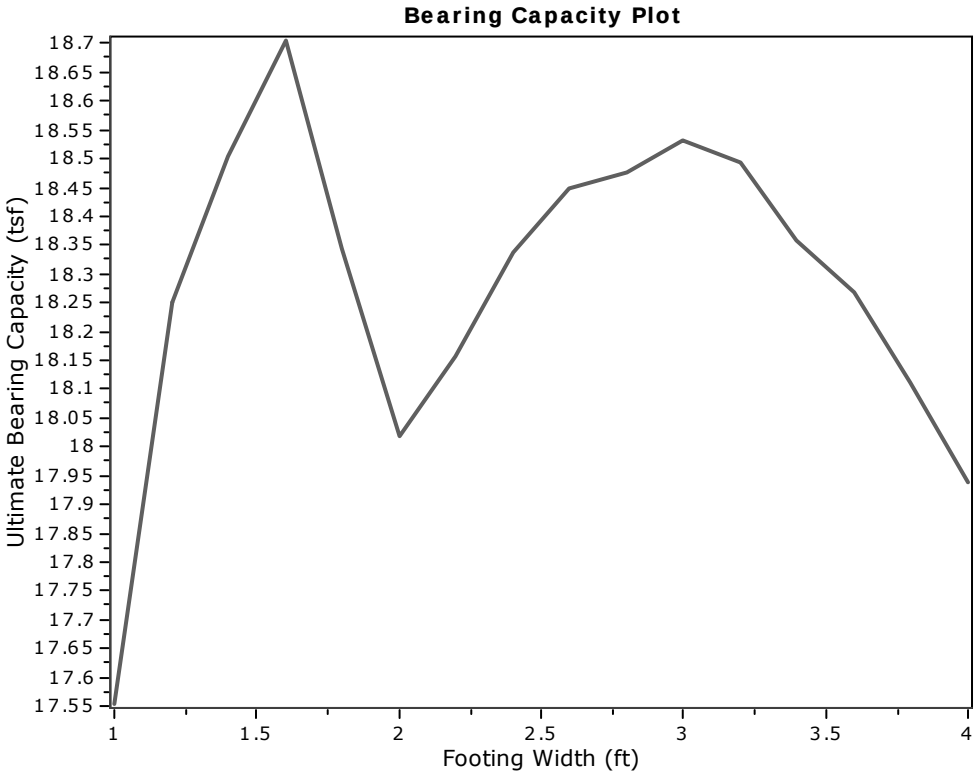
SCPT-1
Total depth: 100.10 ft



Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (ft)	Start Depth (ft)	End Depth (ft)	Ave. q_t (tsf)	R_k	Soil Press. (tsf)	Ult. bearing cap. (tsf)
1	1.00	0.50	2.00	87.62	0.20	0.03	17.55
2	1.20	0.50	2.30	91.11	0.20	0.03	18.25
3	1.40	0.50	2.60	92.37	0.20	0.03	18.50
4	1.60	0.50	2.90	93.38	0.20	0.03	18.71
5	1.80	0.50	3.20	91.57	0.20	0.03	18.34
6	2.00	0.50	3.50	89.95	0.20	0.03	18.02
7	2.20	0.50	3.80	90.63	0.20	0.03	18.16
8	2.40	0.50	4.10	91.53	0.20	0.03	18.34
9	2.60	0.50	4.40	92.10	0.20	0.03	18.45
10	2.80	0.50	4.70	92.23	0.20	0.03	18.48
11	3.00	0.50	5.00	92.51	0.20	0.03	18.53
12	3.20	0.50	5.30	92.31	0.20	0.03	18.49
13	3.40	0.50	5.60	91.63	0.20	0.03	18.36
14	3.60	0.50	5.90	91.19	0.20	0.03	18.27
15	3.80	0.50	6.20	90.40	0.20	0.03	18.11
16	4.00	0.50	6.50	89.55	0.20	0.03	17.94

Craig Geotechnical Drilling
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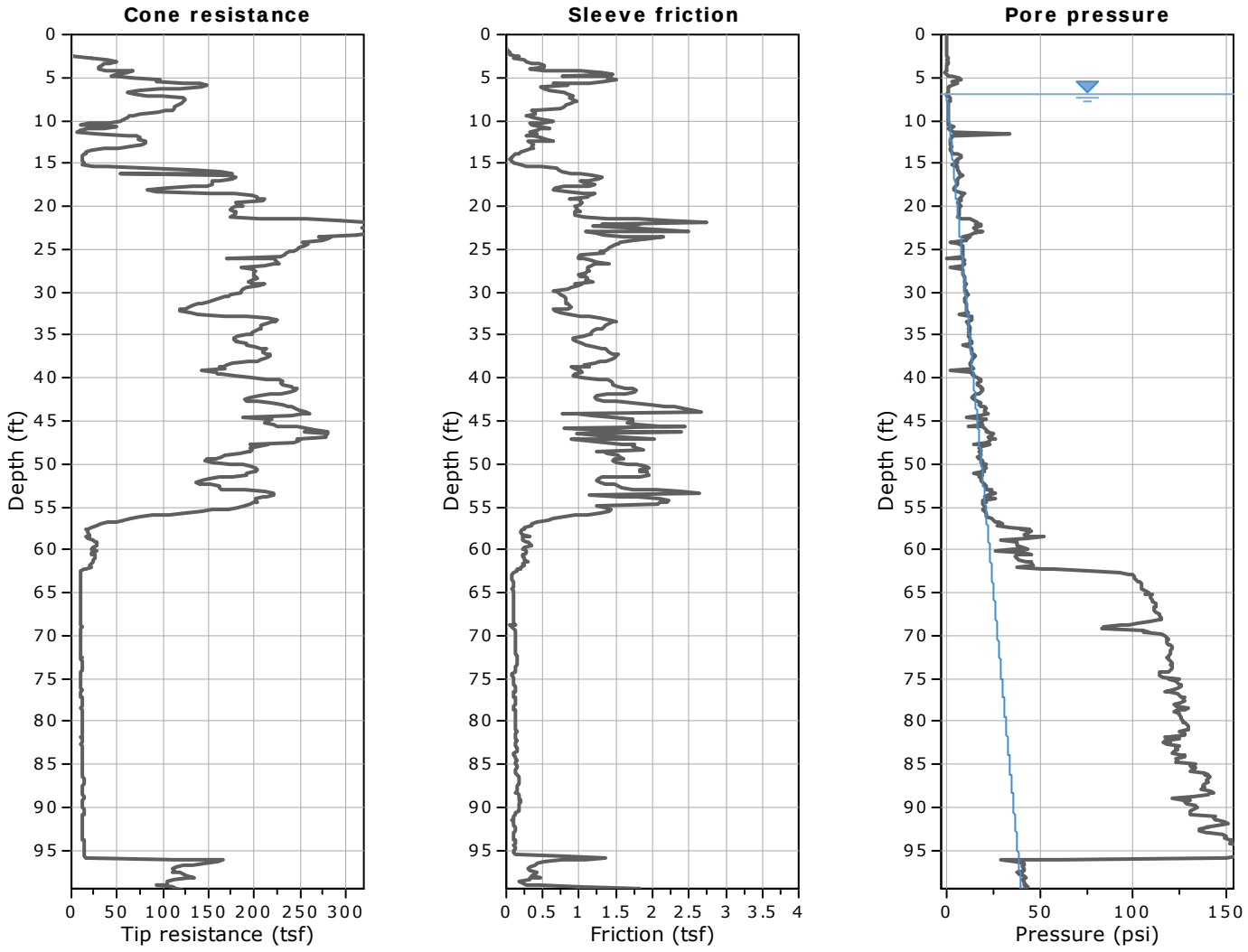
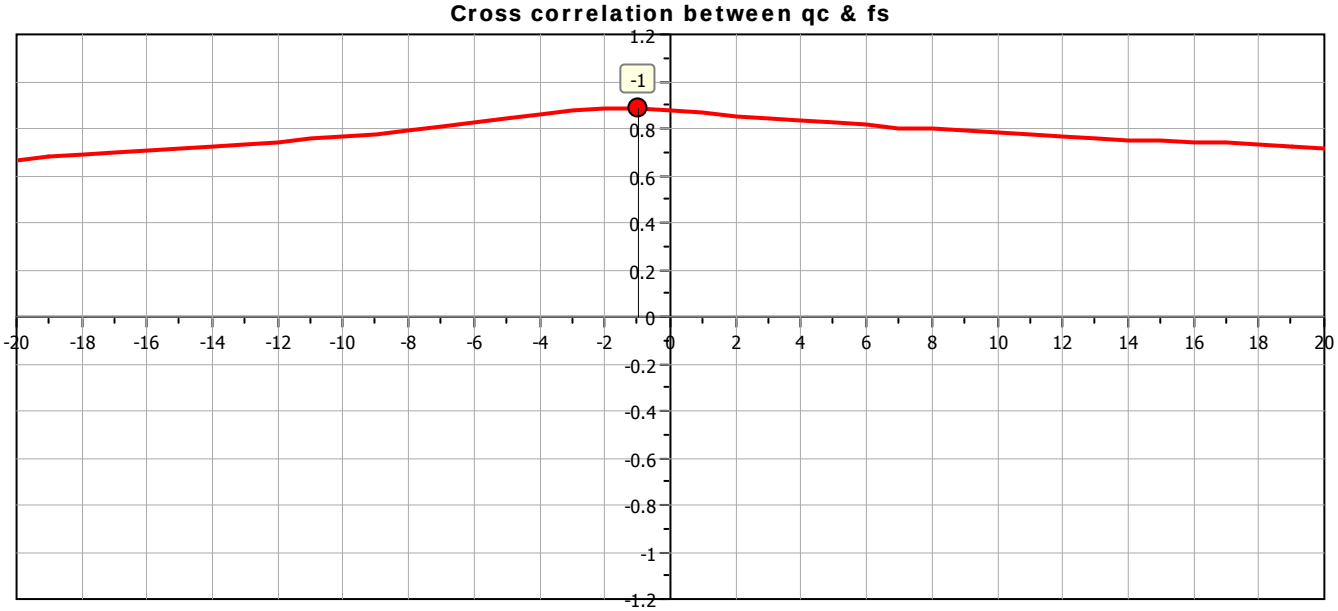
Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

SCPT-2
Total depth: 99.93 ft



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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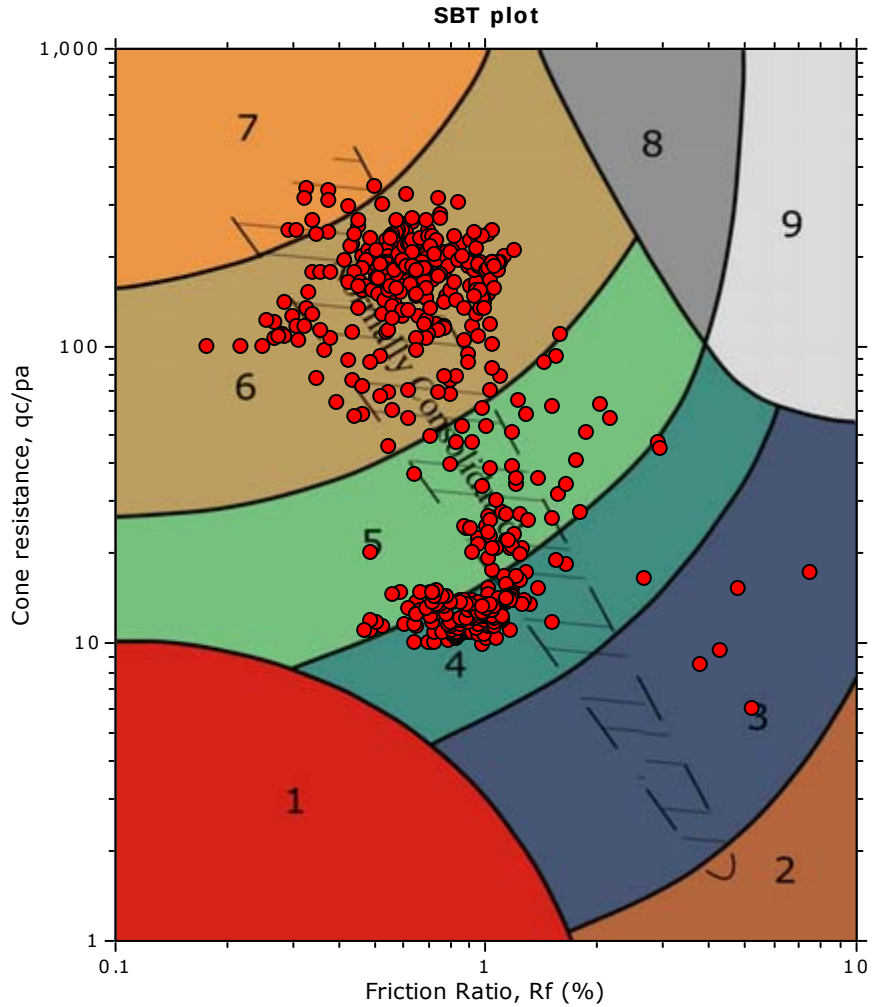
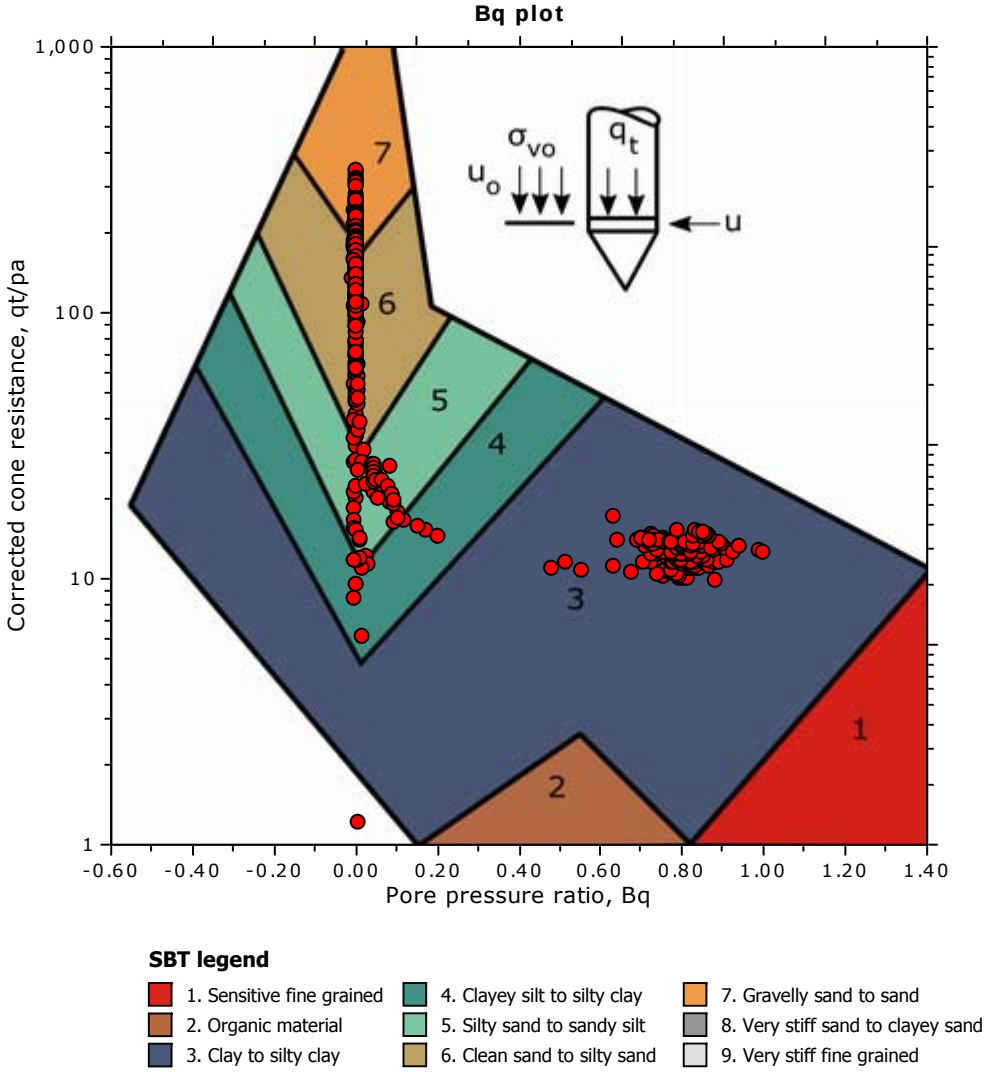
Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

SCPT-2
Total depth: 99.93 ft

SBT - Bq plots





Craig Geotechnical Drilling
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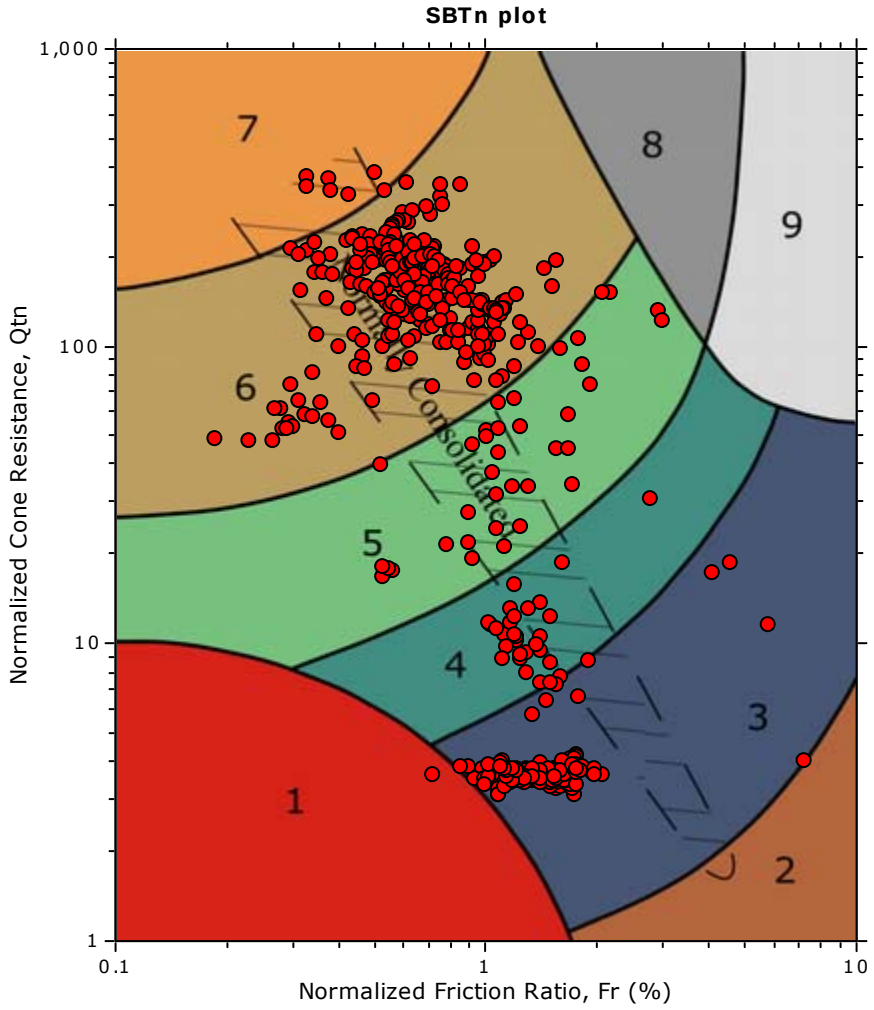
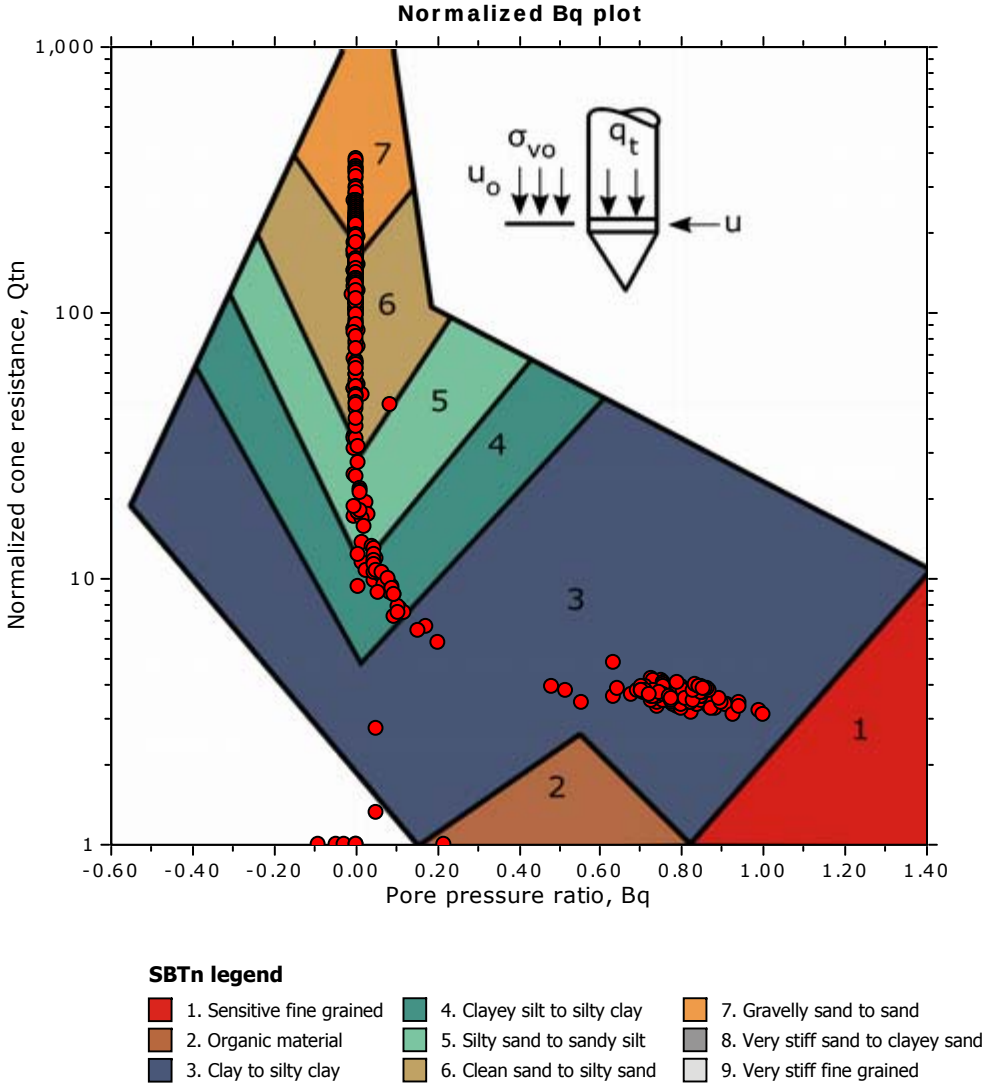
Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

SCPT-2
Total depth: 99.93 ft

SBT - Bq plots (normalized)





Craig Geotechnical Drilling
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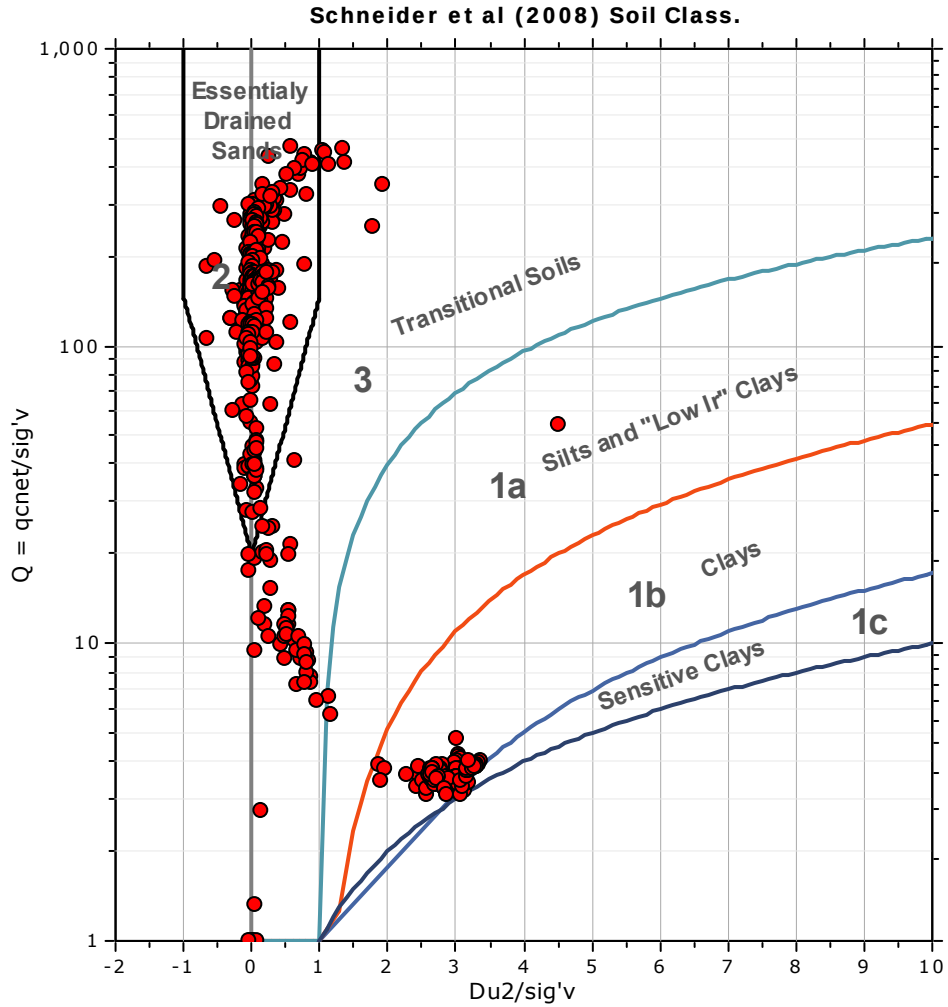
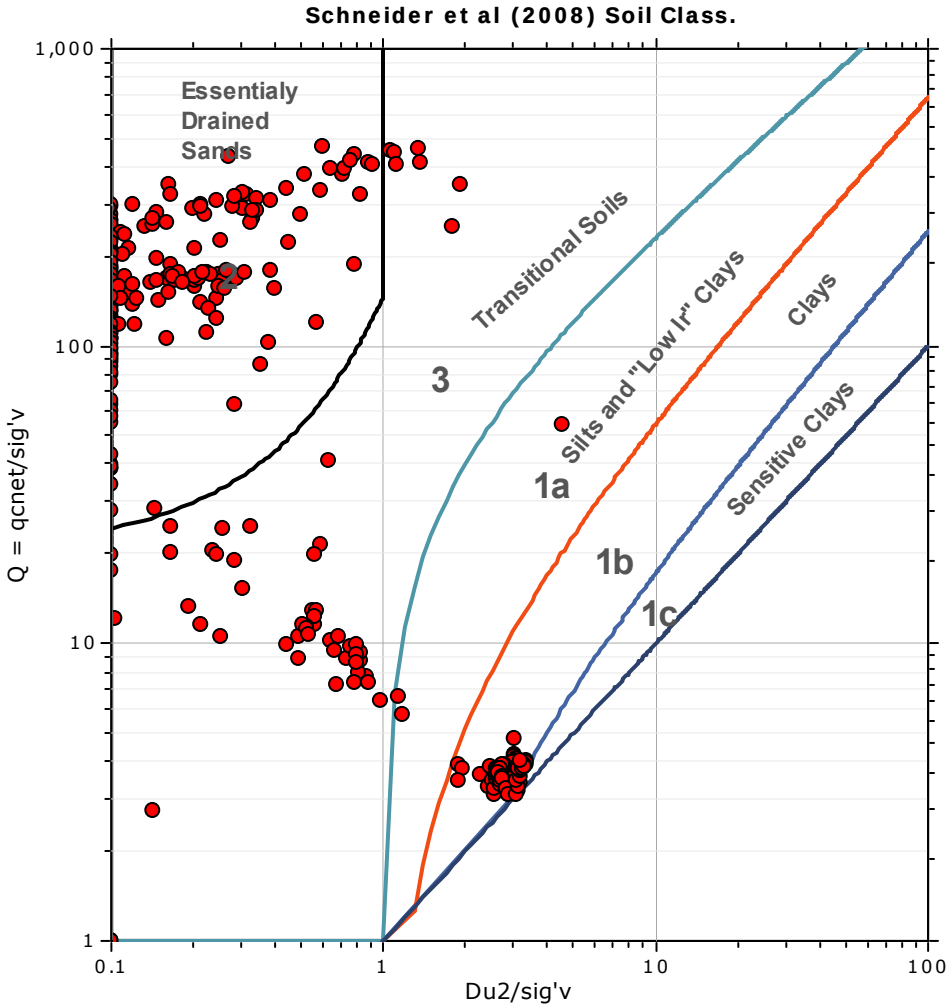
Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

SCPT-2
Total depth: 99.93 ft

Bq plots (Schneider)





Craig Geotechnical Drilling
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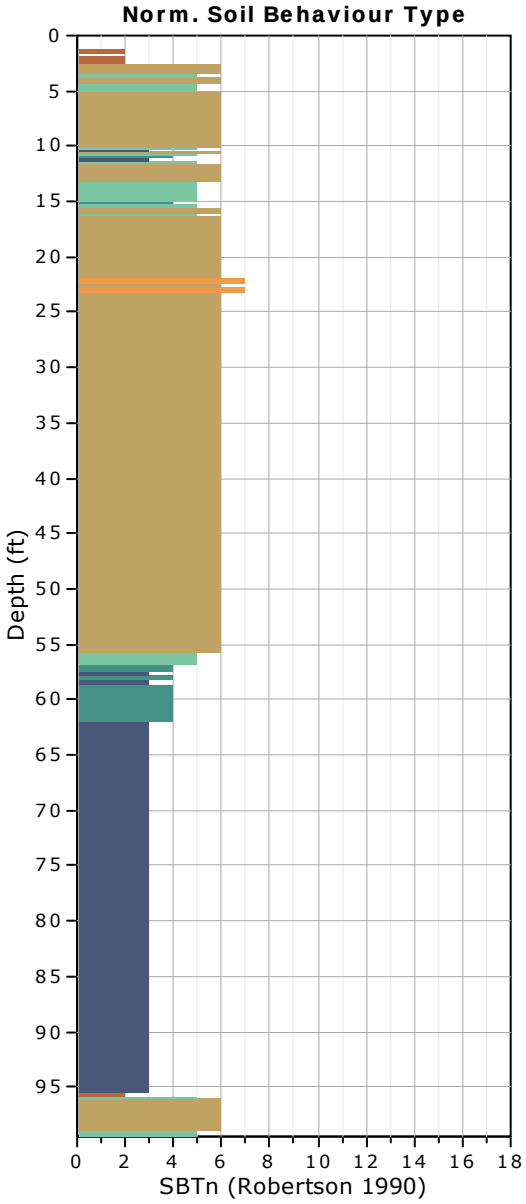

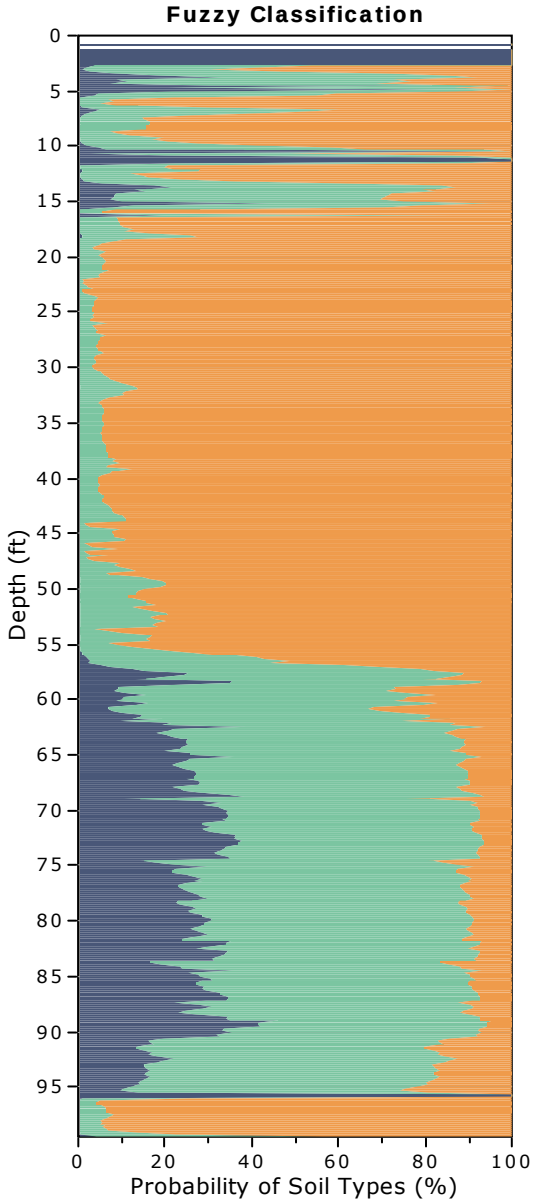

Craig Geotechnical Drilling
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Mays Landing, NJ

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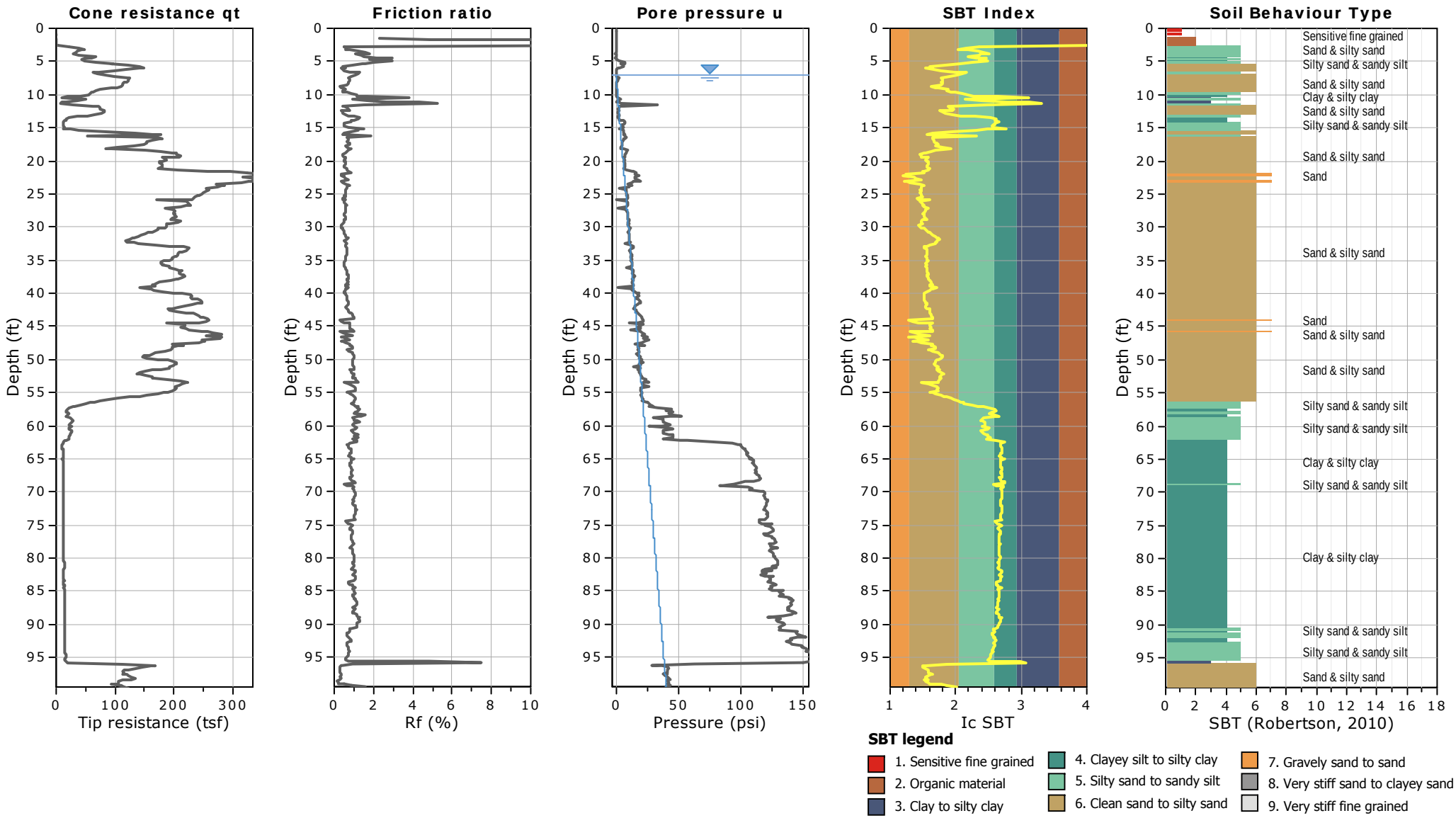

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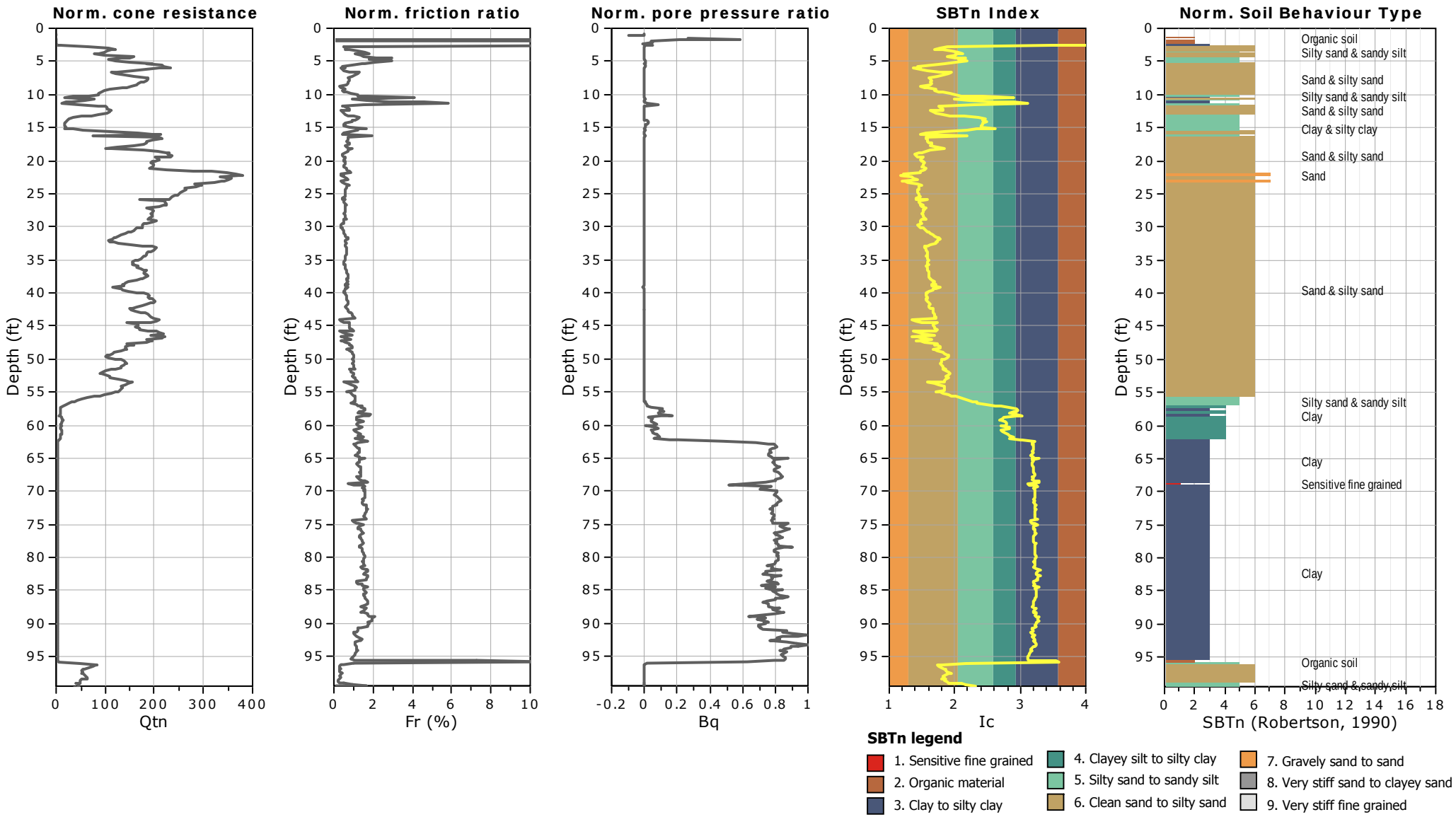

Craig Geotechnical Drilling
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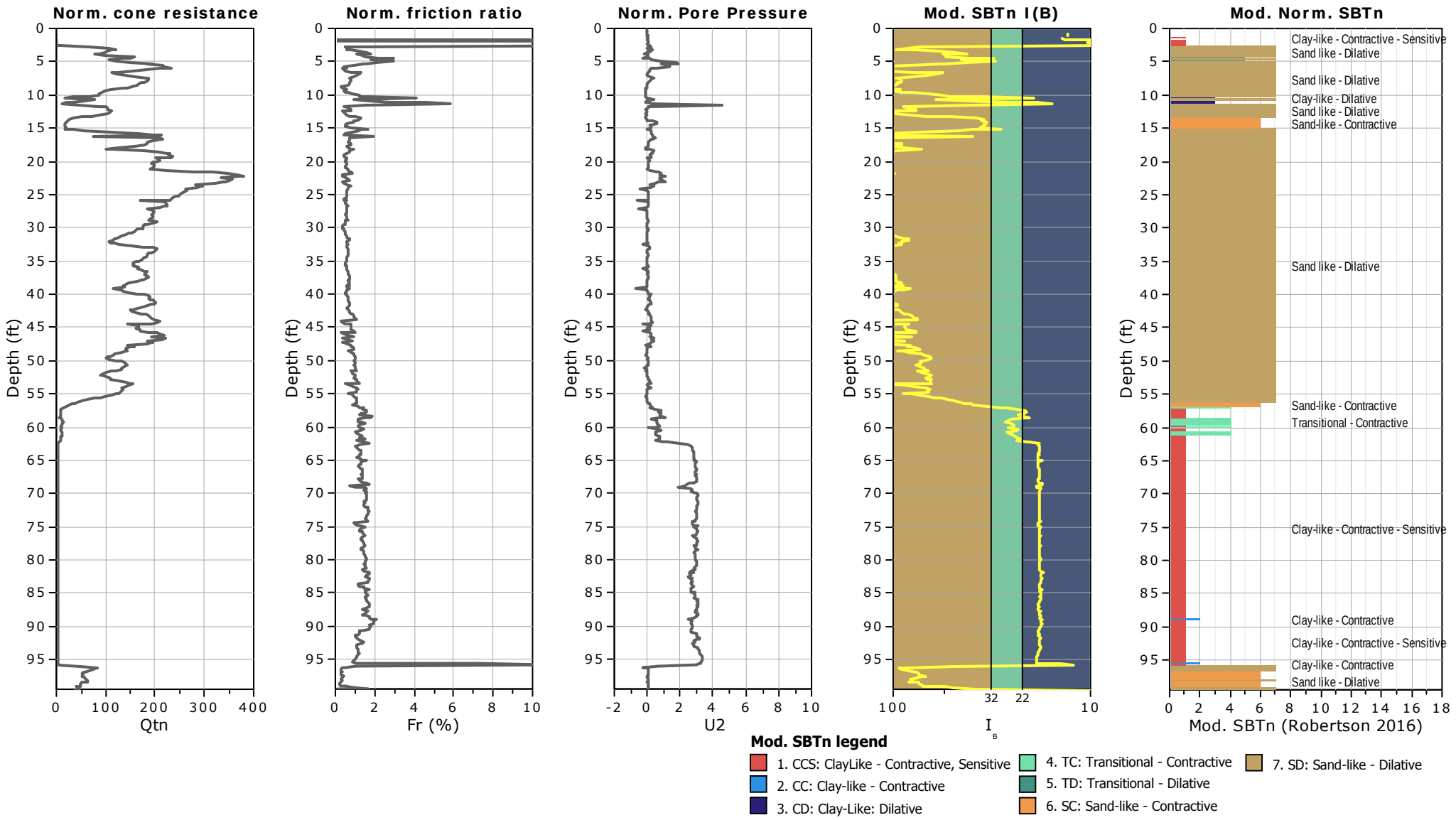
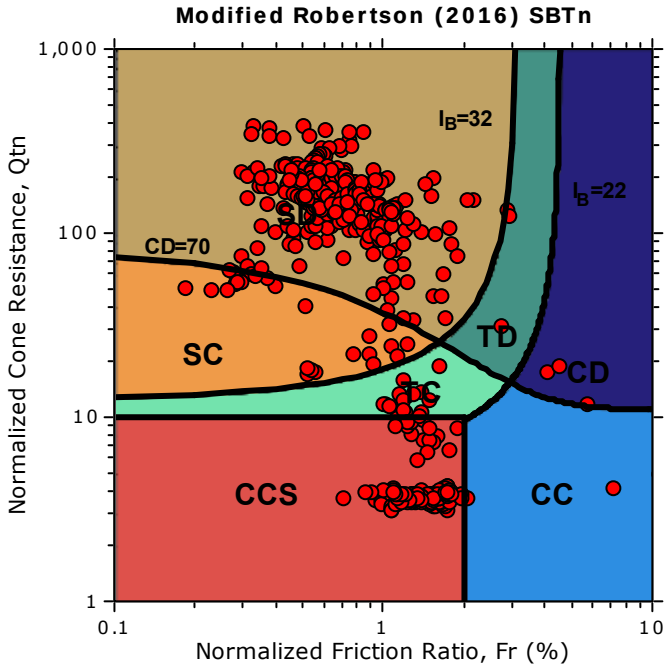


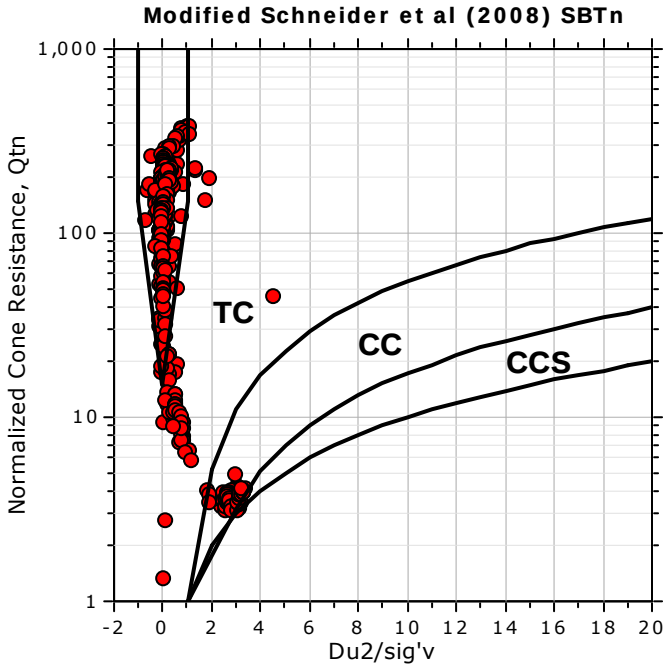
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

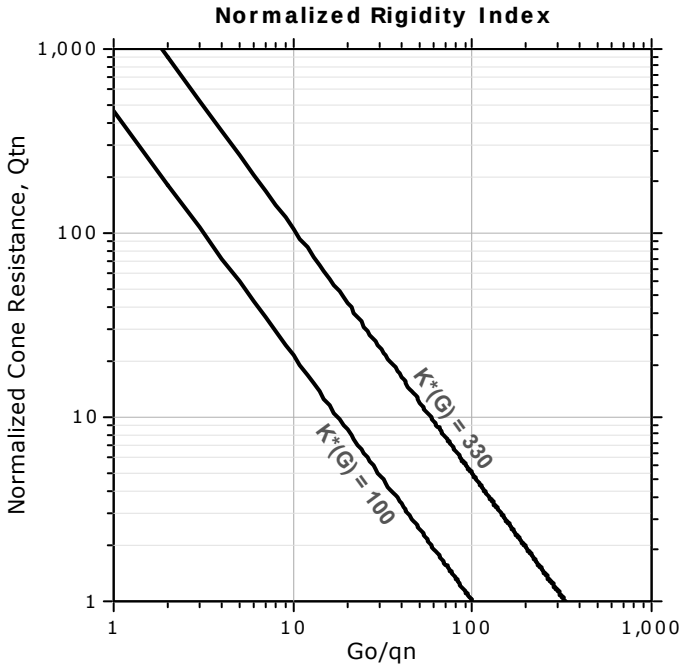
Project: **Mueser Rutledge**
Location: **2828 W 28th St, Coney Island NY**

SCPT-2
Total depth: 99.93 ft

Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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Mays Landing, NJ

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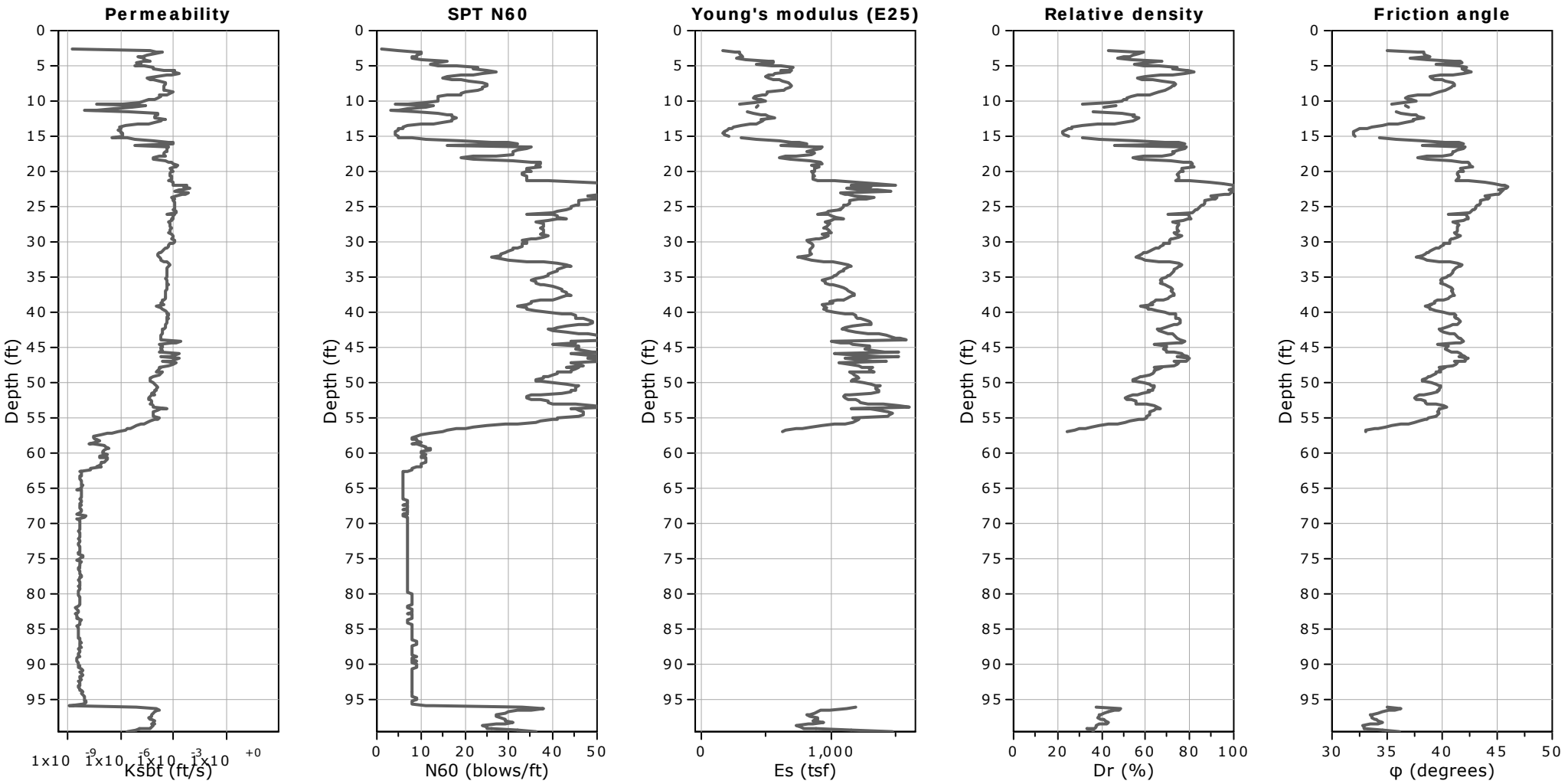

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)
User defined estimation data

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Mays Landing, NJ

Project: **Mueser Rutledge**
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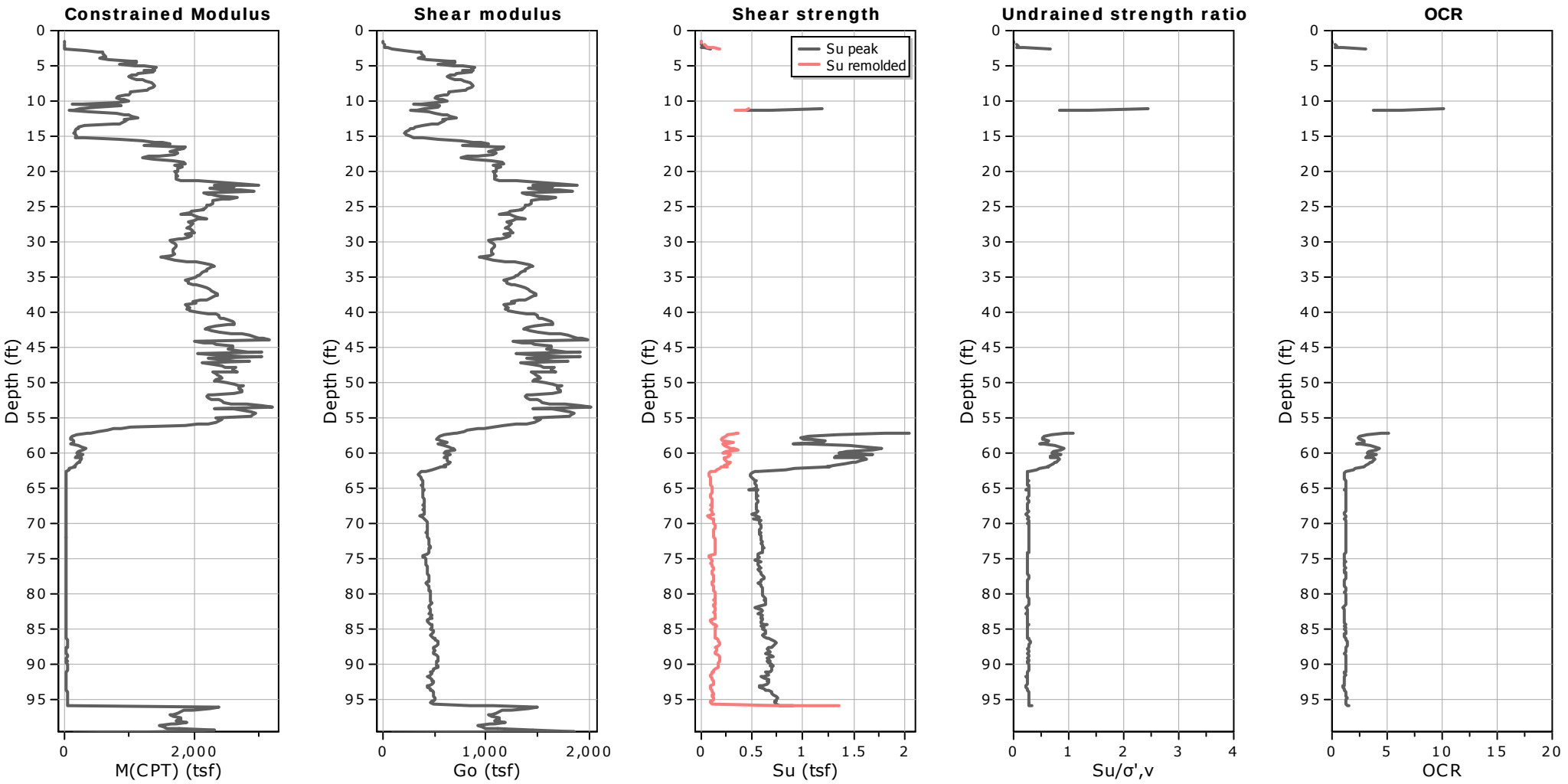
SCPT-2
Total depth: 99.93 ft



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 14

OCR factor for clays, N_{kt}: 0.33
User defined estimation data
Flat Dilatometer Test data

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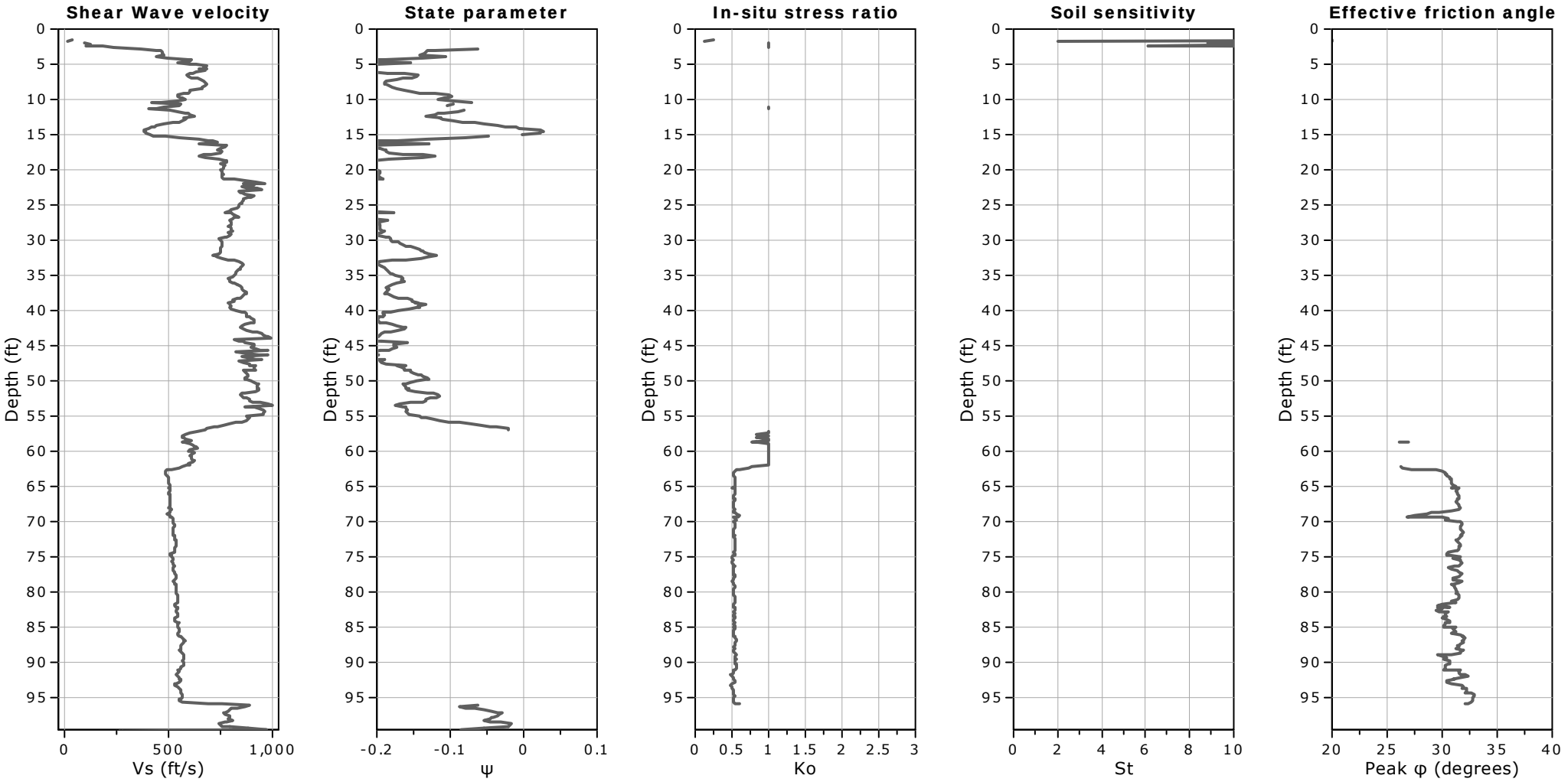
SCPT-2
Total depth: 99.93 ft



Calculation parameters

Soil Sensitivity factor, N_S: 350.00

User defined estimation data

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5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
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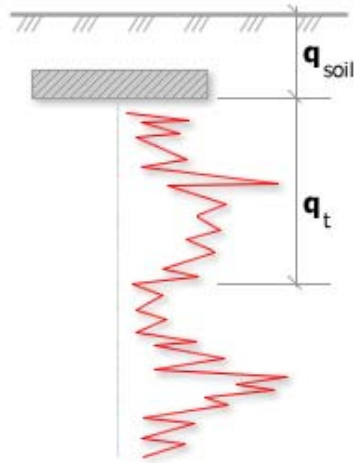
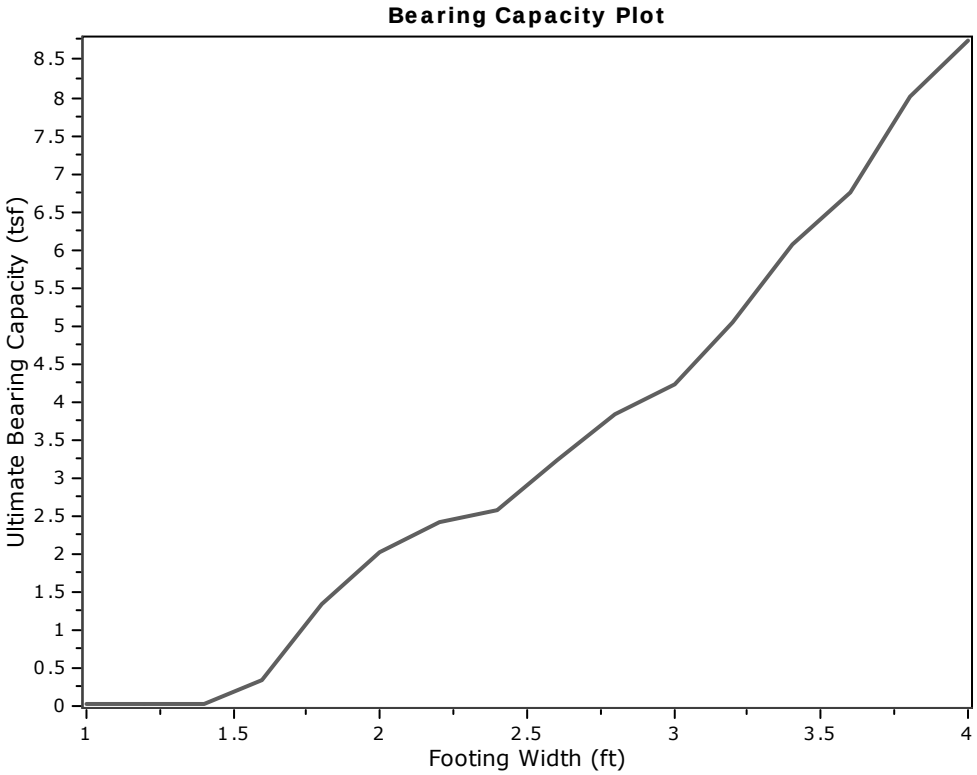
Total depth: 99.93 ft



Bearing Capacity calculation is perfromed based on the formula:

$$Q_{ult} = R_k \times q_t + q_{soil}$$

where:
R_k: Bearing capacity factor
q_t: Average corrected cone resistance over calculation depth
q_{soil}: Pressure applied by soil above footing



:: Tabular results ::

No	B (ft)	Start Depth (ft)	End Depth (ft)	Ave. q_t (tsf)	R_k	Soil Press. (tsf)	Ult. bearing cap. (tsf)
1	1.00	0.50	2.00	0.04	0.20	0.03	0.04
2	1.20	0.50	2.30	0.07	0.20	0.03	0.04
3	1.40	0.50	2.60	0.10	0.20	0.03	0.05
4	1.60	0.50	2.90	1.59	0.20	0.03	0.35
5	1.80	0.50	3.20	6.57	0.20	0.03	1.34
6	2.00	0.50	3.50	10.01	0.20	0.03	2.03
7	2.20	0.50	3.80	12.02	0.20	0.03	2.43
8	2.40	0.50	4.10	12.80	0.20	0.03	2.59
9	2.60	0.50	4.40	16.08	0.20	0.03	3.25
10	2.80	0.50	4.70	19.09	0.20	0.03	3.85
11	3.00	0.50	5.00	21.00	0.20	0.03	4.23
12	3.20	0.50	5.30	25.08	0.20	0.03	5.05
13	3.40	0.50	5.60	30.24	0.20	0.03	6.08
14	3.60	0.50	5.90	33.58	0.20	0.03	6.75
15	3.80	0.50	6.20	39.94	0.20	0.03	8.02
16	4.00	0.50	6.50	43.60	0.20	0.03	8.75

Presented below is a list of formulas used for the estimation of various soil properties. The formulas are presented in SI unit system and assume that all components are expressed in the same units.

:: Unit Weight, g (kN/m³) ::

$$g = g_w \cdot \left(0.27 \cdot \log(R_f) + 0.36 \cdot \log(\frac{q_t}{p_a}) + 1.236 \right)$$

where g_w = water unit weight

:: Permeability, k (m/s) ::

$I_c < 3.27$ and $I_c > 1.00$ then $k = 10^{0.952-3.04 \cdot I_c}$

$I_c \leq 4.00$ and $I_c > 3.27$ then $k = 10^{-4.52-1.37 \cdot I_c}$

:: N_{SPT} (blows per 30 cm) ::

$$N_{60} = \left(\frac{q_c}{P_a} \right) \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

$$N_{1(60)} = Q_{tn} \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

:: Young's Modulus, Es (MPa) ::

$(q_t - \sigma_v) \cdot 0.015 \cdot 10^{0.55 \cdot I_c + 1.68}$

(applicable only to $I_c < I_{c_cutoff}$)

:: Relative Density, Dr (%) ::

$100 \cdot \sqrt{\frac{Q_{tn}}{k_{DR}}}$ (applicable only to SBT_n: 5, 6, 7 and 8 or $I_c < I_{c_cutoff}$)

:: State Parameter, ψ ::

$\psi = 0.56 - 0.33 \cdot \log(Q_{tn,cs})$

:: Drained Friction Angle, φ (°) ::

$\varphi = \varphi'_{cv} + 15.94 \cdot \log(Q_{tn,cs}) - 26.88$

(applicable only to SBT_n: 5, 6, 7 and 8 or $I_c < I_{c_cutoff}$)

:: 1-D constrained modulus, M (MPa) ::

If $I_c > 2.20$
$\alpha = 14$ for $Q_{tn} > 14$
$\alpha = Q_{tn}$ for $Q_{tn} \leq 14$
$M_{CPT} = \alpha \cdot (q_t - \sigma_v)$

If $I_c \geq 2.20$

$M_{CPT} = 0.03 \cdot (q_t - \sigma_v) \cdot 10^{0.55 \cdot I_c + 1.68}$

:: Small strain shear Modulus, Go (MPa) ::

$G_0 = (q_t - \sigma_v) \cdot 0.0188 \cdot 10^{0.55 \cdot I_c + 1.68}$

:: Shear Wave Velocity, Vs (m/s) ::

$$V_s = \left(\frac{G_0}{\rho} \right)^{0.50}$$

:: Undrained peak shear strength, Su (kPa) ::

$N_{kt} = 10.50 + 7 \cdot \log(F_r)$ or user defined

$$S_u = \frac{(q_t - \sigma_v)}{N_{kt}}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Remolded undrained shear strength, Su(rem) (kPa) ::

$S_{u(rem)} = f_s$ (applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Overconsolidation Ratio, OCR ::

$$k_{OCR} = \left[\frac{Q_{tn}^{0.20}}{0.25 \cdot (10.50 \cdot +7 \cdot \log(F_r))} \right]^{1.25}$$ or user defined

$OCR = k_{OCR} \cdot Q_{tn}$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: In situ Stress Ratio, Ko ::

$K_O = (1 - \sin\varphi') \cdot OCR^{\sin\varphi'}$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Soil Sensitivity, S_t ::

$$S_t = \frac{N_S}{F_r}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Peak Friction Angle, φ' (°) ::

$\varphi' = 29.5° \cdot B_q^{0.121} \cdot (0.256 + 0.336 \cdot B_q + \log Q_t)$

(applicable for $0.10 < B_q < 1.00$)

References

• Robertson, P.K., Cabal K.L., Guide to Cone Penetration Testing for Geotechnical Engineering, Gregg Drilling & Testing, Inc., 5th Edition, November 2012

• Robertson, P.K., Interpretation of Cone Penetration Tests - a unified approach., Can. Geotech. J. 46(11): 1337–1355 (2009)

Final Investigation CPTs

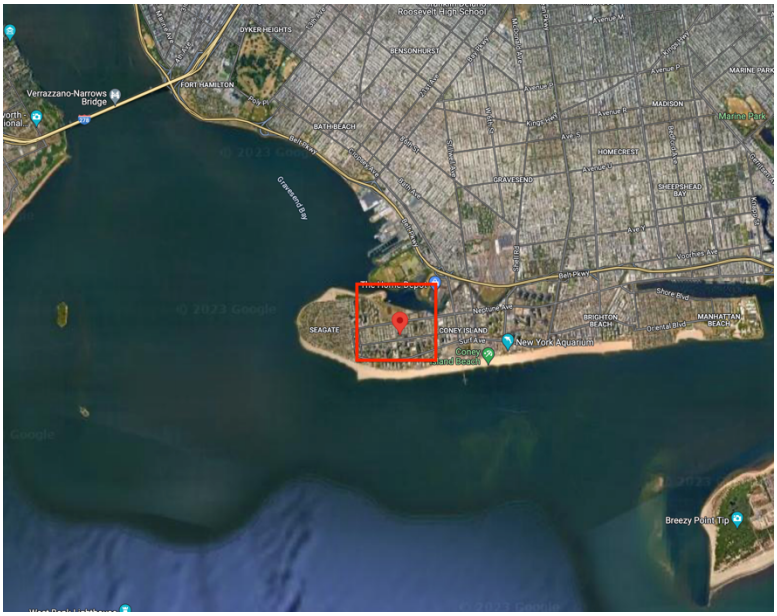
CPT Probes CPT-4 through CPT-8

PRESENTATION OF SITE INVESTIGATION RESULTS

Sea Park North – 2828 W. 28th St, Brooklyn NY

Prepared for:

Mueser Rutledge



Craig Geotechnical Drilling Co., Inc.
PO Box 427
Mays Landing NJ 08330

Tel: 609-625-4862
Fax: 609-625-4306

Email: Kcraig@craigtest.com
www.craigtest.com

Introduction

The enclosed report presents the results of piezocone penetration testing (CPTu or CPT) program carried out at 2828 W. 28th St Brooklyn NY. The site investigation was conducted by Craig Geotechnical Drilling Co., Inc. under contract to Mueser Rutledge.

A total of 5 cone penetration tests were completed. The CPT program was performed to evaluate the subsurface soil conditions. CPT sounding locations were selected and numbered under the supervision of Mueser Rutledge personnel.

Project Information

Project	
Client:	Mueser Rutledge
Project:	Sea Park North - 2828 W. 28th St Brooklyn NY
Job Number:	235275
Date:	1/9/24 – 1/10/24

Rig Description	Deployment System	Test Type
CPT Truck Rig	20 Ton Truck (Twin Cylinders)	CPT & SCPT

Cone Penetration Test (CPT)	
Depth Reference	Ground Surface at the time of the investigation.
Seismic Shear Wave Velocity	

Limitations

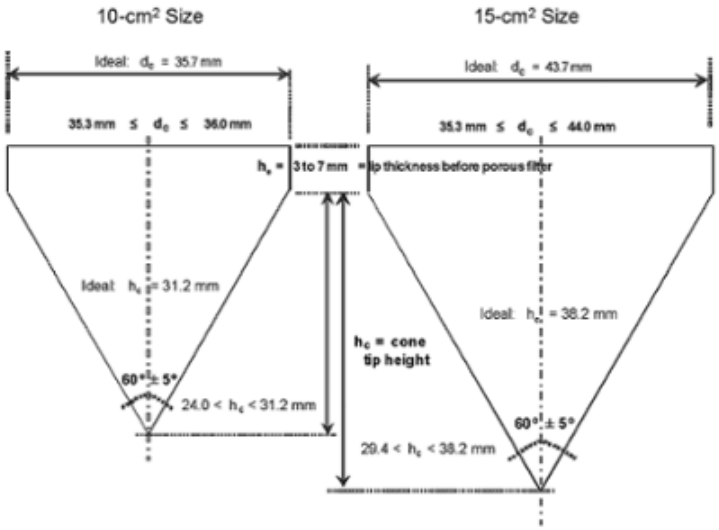
This report has been prepared for the exclusive use of Mueser Rutledge for the project titles "2828 W. 28th St Brooklyn NY". The report's contents may not be relied upon by any other party without the express written permission of Craig Geotechnical Drilling Co., Inc.. CGD has provided site investigation services, prepared the factual data reporting, and provided geotechnical parameter calculations consistent with current best practices. No other warranty, expressed or implied, is made.

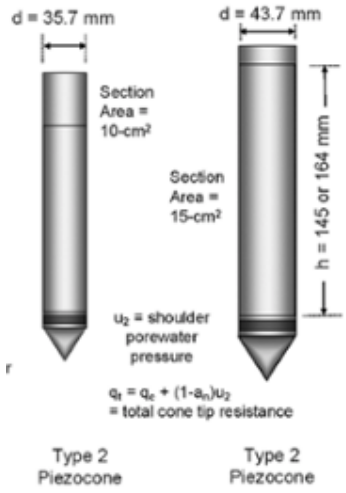
The information presented in the report document and the accompanying data set pertain to the specific project, site conditions and objectives described to Craig Geotechnical Drilling by the client. In order to properly understand the factual data, assumptions and calculations, reference must be made to the documents provided and their accompanying data sets, in their entirety.

CPT Cones

Cone Penetration tests (CPTu) are conducted using an integrated electronic piezocone penetrometer and data acquisition system manufactured by Vertek of Randolph, VT 05060.

CPT cones are available in multiple sizes, but the10 cm^2 cone and 15 cm^2 cone are the industry standard. Penetrometers are made of high strength steel and designed to resist abrasion by soil. The **15 cm^2 cone** was used on this project.





Minimum and Maximum Cone Measurements

Cone Size (Cross-Sectional Area)	**10 cm^2**			**15 cm^2**		
Measurement	***Min***	***Ideal***	***Max***	***Min***	***Ideal***	***Max***
Cone Diameter (d_c)	35.3 mm	35.7 mm	36.0 mm	35.3 mm	43.7 mm	44.0 mm
Cone Tip Height (h_c)	24.0 mm	31.2 mm	31.2 mm	29.4 mm	38.2 mm	38.2 mm
Cone Tip Angle	55°	60°	65°	55°	60°	65°
Lip Thickness Before Porous Filter (h_e)	3 mm	N/A	7 mm	3 mm	N/A	7 mm
Friction Sleeve Diameter	35.7 mm	35.7 mm	36.05 mm	43.7 mm	43.7 mm	44.05 mm
Friction Sleeve Surface Area	147 cm^2	150 cm^2	153 cm^2	220.5 cm^2	225 cm^2	229.5 cm^2

Cone Penetration Tests

Prior to the start of a CPTu sounding a suitable cone is selected, the cone and data acquisition system are powered on, the pore pressure system is saturated with silicone oil and the baseline readings are recorded with the cone hanging freely in a vertical position. The CPTu is conducted at a steady rate of 2 cm/s, within acceptable tolerances. Typically, one-meter length rods with an outer diameter of 15cm are added to advance the cone to the sounding termination depth. After cone retraction final baselines are recorded.

Dissipation Tests

As a CPT cone is pushed into saturated subsurface soil, it creates a localized increase in pore pressure (denoted excess pore pressure, u_i) as groundwater is pushed out of the way of the cone. In a pore pressure dissipation test, the downward movement of the cone is paused and the time it takes for the pore pressure to stabilize is measured. This stable pore pressure is called equilibrium pore pressure, u_o. This information allows the user to identify important hydrogeologic features:

The water table (or phreatic surface) depth is defined as the distance below the soil surface at which pore pressure is equal to atmospheric pressure. This can be roughly visualized as the level below which subsurface materials are fully saturated with groundwater.

Especially in fine-grained soils, estimating the water table can be more complex than simply detecting moisture, since surface tension draws groundwater upwards, creating negative pore pressures. This is effect is called capillary rise.

Very low or negative pressures can be difficult to measure precisely with the piezocone, which is primarily designed to measure high pressures below the water table. In this case, the water table depth can be calculated by the following formula:

$$d_{water} = d_{cone} - h_w$$

d_{water} = *water table depth*
d_{cone} = *depth of piezocone*
h_w = *water head*

The **water head**, h_w, is the height of the water above the cone, which can be calculated based on the pore pressure and the unit weight of water:

$$h_w = u/\gamma_w + z$$

h_w = *water head*
u_o = *equilibrium pore pressure*
γ_w = *unit weight of water*
z = *distance, if any, between pressure sensor location and depth reference point on the piezocone*

The rate of dissipation indicates the permeability or hydraulic conductivity of the soil – that is, the tendency of the soil to allow or resist the flow of groundwater.

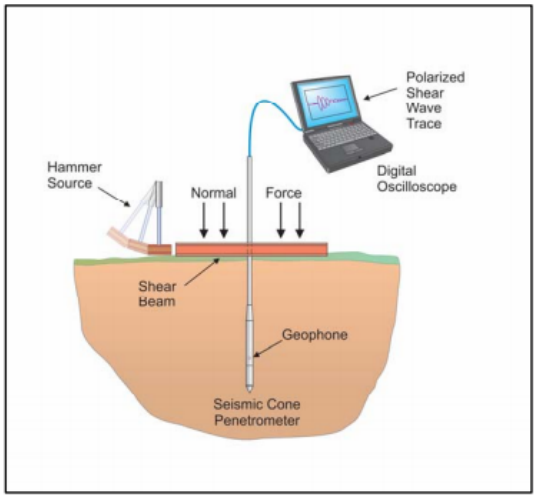
A rapidly dissipating pore pressure indicates the presence of an aquifer (a porous region where groundwater tends to flow), while a slowly dissipating pore pressure indicates an aquitard (a compacted region that resists the flow of groundwater).

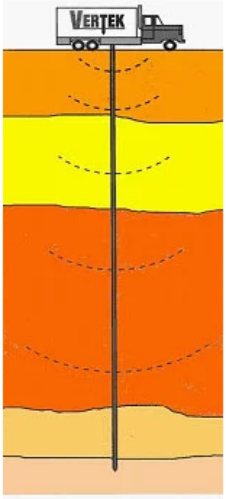
Seismic CPTs

Seismic CPT or SCPT is a method of calculating the *small strain shear modulus* of the soil by measuring shear wave velocity through the soil. The small strain modulus is an important quantity for determining the *dynamic response* of soil during earthquakes, explosive detonations, vibrations from machinery, and during wave loading for offshore structures. The wave speeds and moduli derived from seismic CPT measurements aid in the determination of *soil liquefaction potential* and improve the interpretation of surface seismic surveys by *providing wave speed profiles as a function of depth*.

SCPT Cone: The SCPT cone is a CPT or CPTU cone that is equipped with one or more geophone sensors. These sensors measure the magnitude and arrival time of seismic shear and compression waves.
Wave Generator: Seismic shear waves are generated at the soil surface.
This method uses an electronic wave generator attached to the CPT rig and increases repeatability and reduces physical strain and testing time for the field team.
The CPT test must be paused briefly at the desired intervals to perform the wave generation and data collection.
Data Acquisition System: As seismic waves are registered by the geophone sensors, data is transferred from the cone to the soil surface by wires that run though the push rods. The SCPT data acquisition system logs this data and analyzes it to determine the speed of the waves based on their arrival time and the distance between the wave generator and the sensors.

Calculation of the interval velocities are performed by visually picking a common feature (e.g. the first characteristic peak, trough, or crossover) on all of the recorded wave sets and taking the difference in ray path divided by the time difference between subsequent features. Ray path is defined as the straight-line distance from the seismic source to the geophone, accounting for beam offset, source depth and geophone offset from the cone tip.





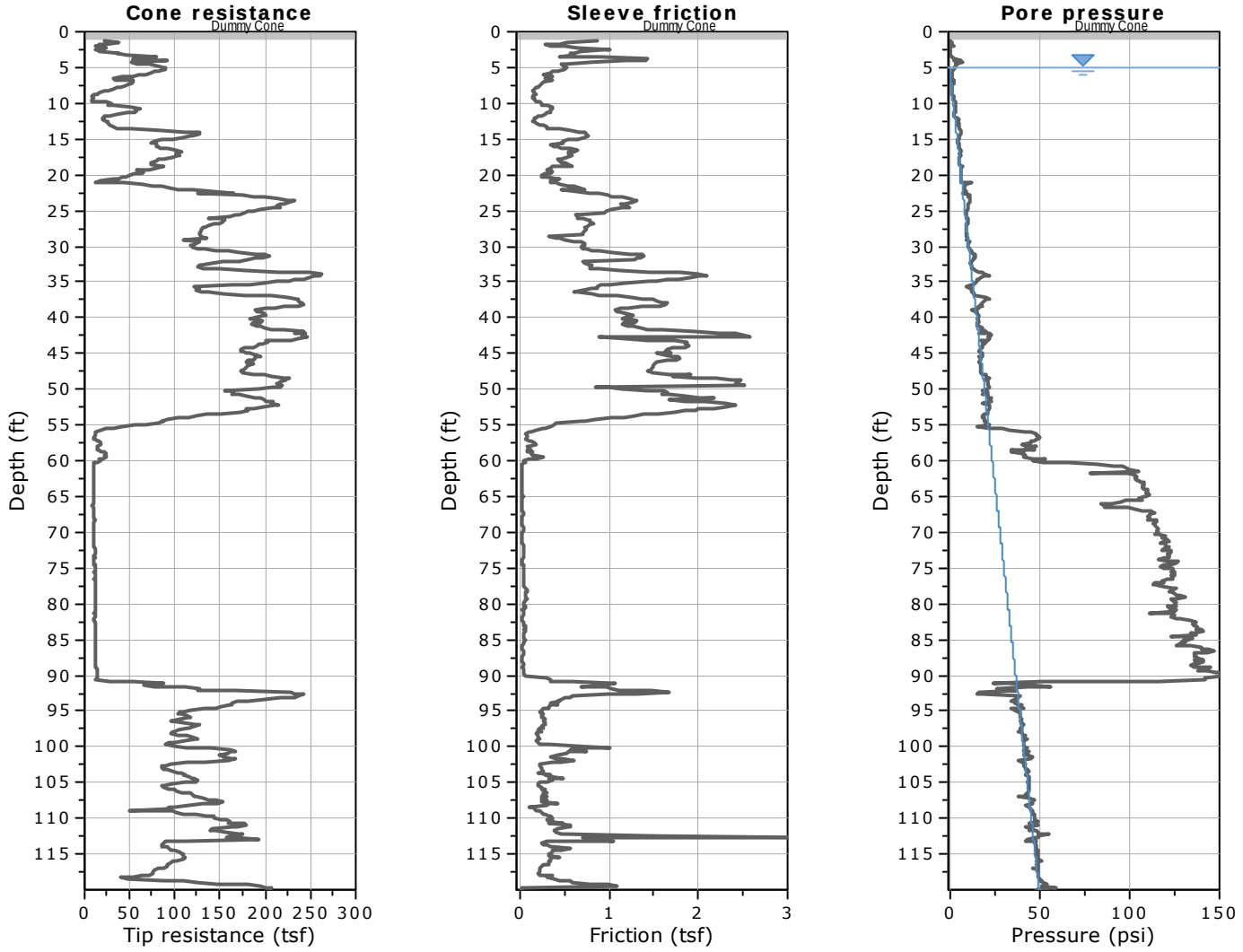
Cone Penetration Test Summary and Cone Penetration Test Plots

Sounding ID	Depth (ft)	Pre-Drill Depth (ft)
CPT-4	119.89	1
CPT-5	100.10	1
CPT-6	119.98	1
CPT-7	119.98	1
CPT-8	100.10	1

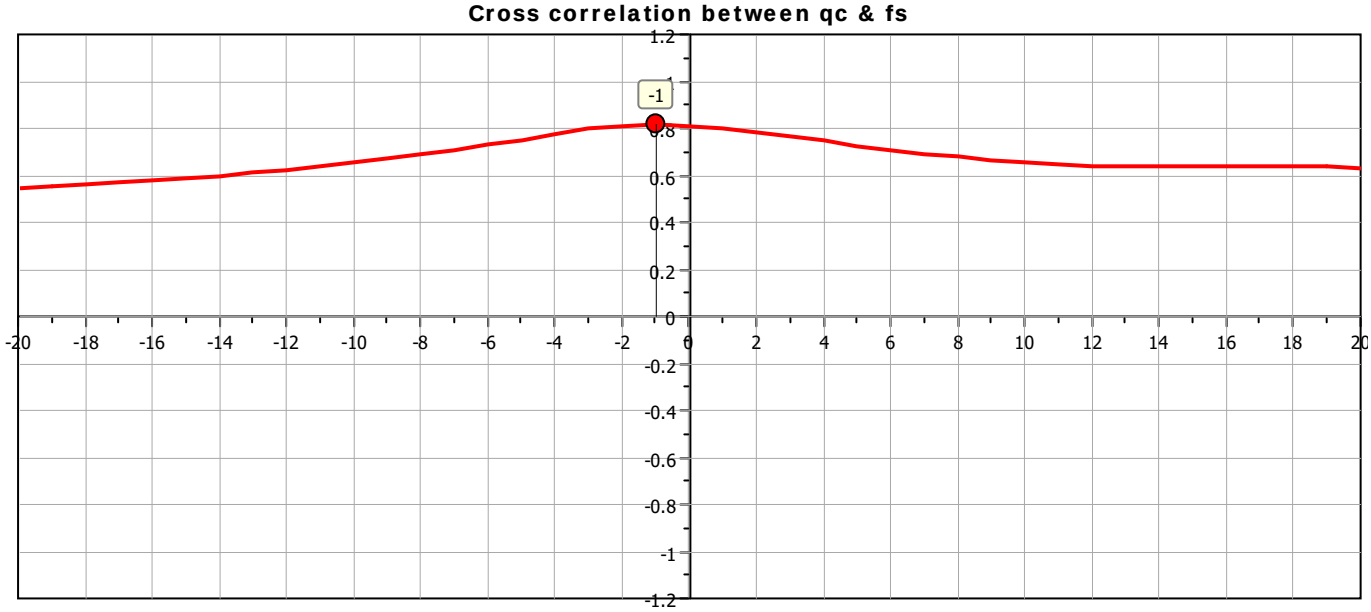
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-4
Total depth: 119.98 ft



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-4
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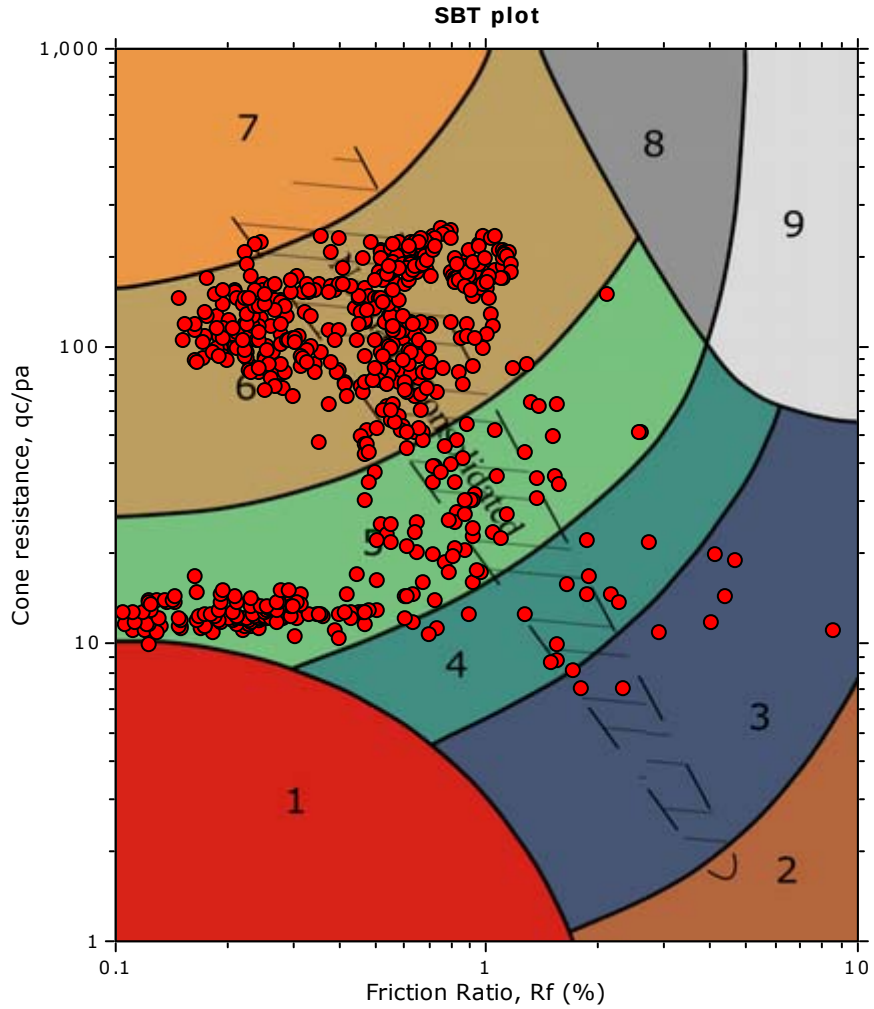
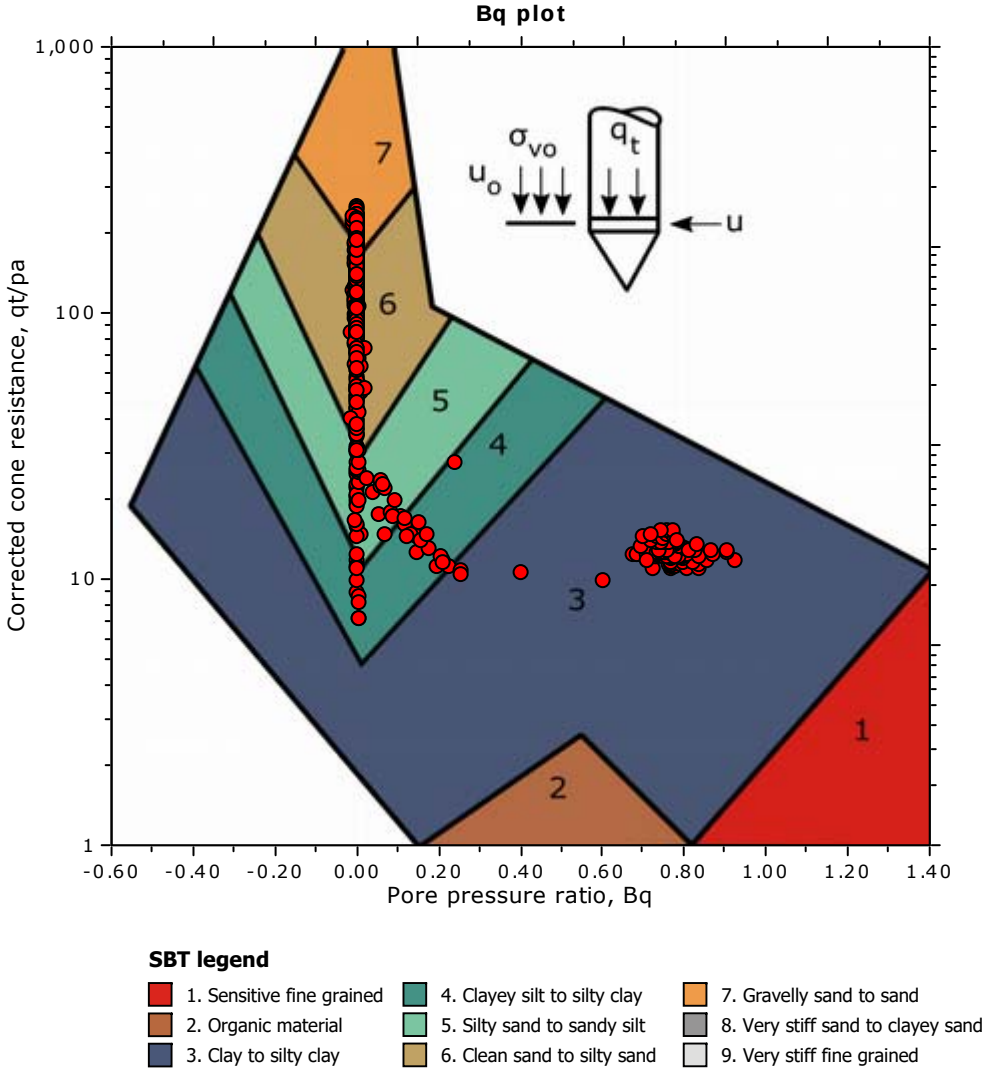
SBT - Bq plots





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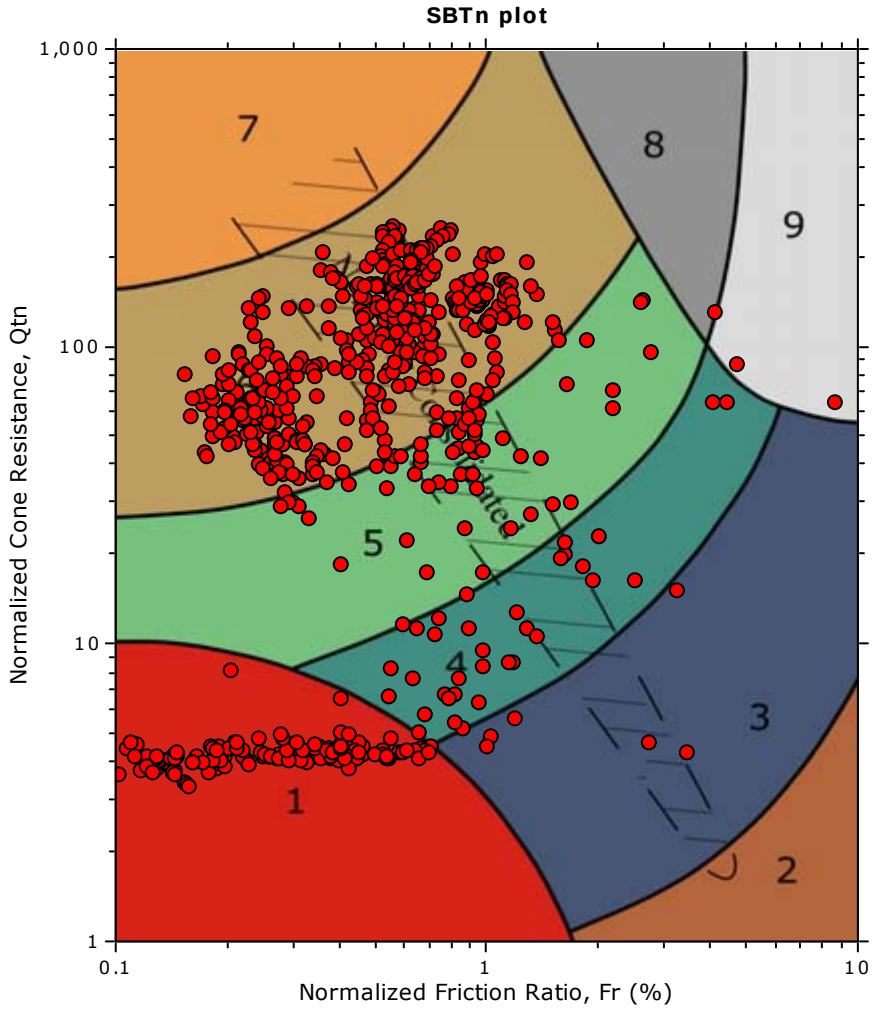
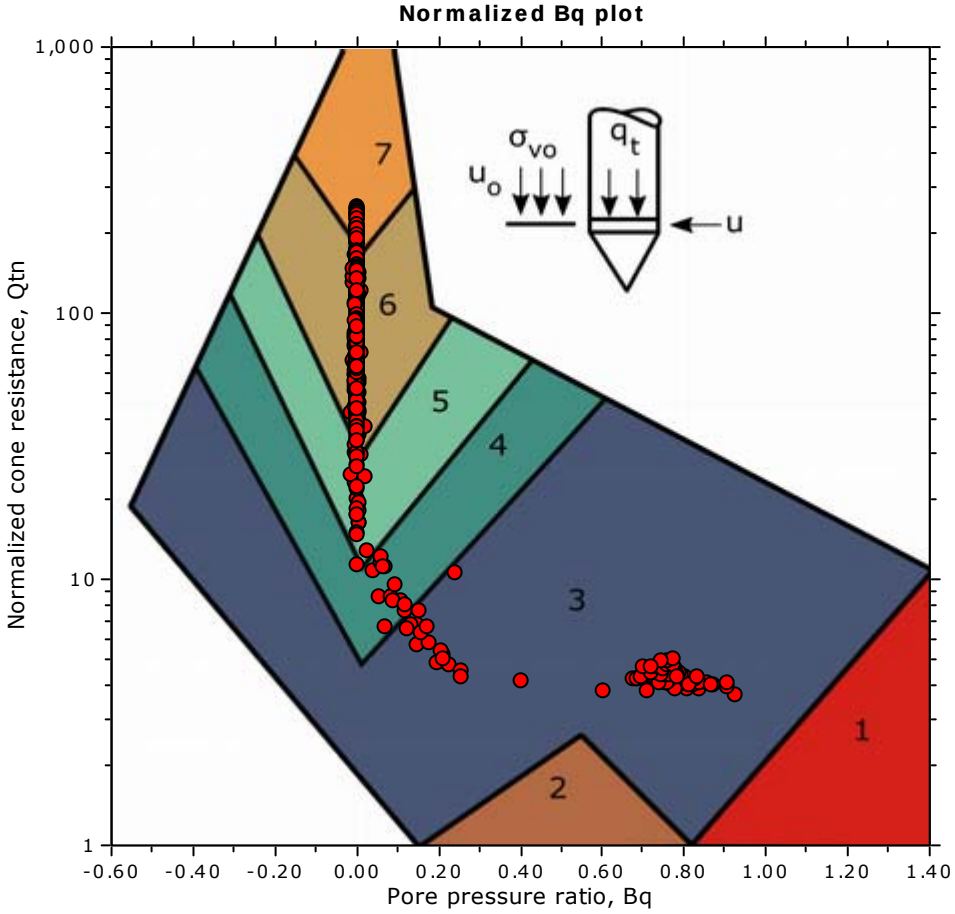
Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-4
Total depth: 119.98 ft

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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CPT: CPT-4
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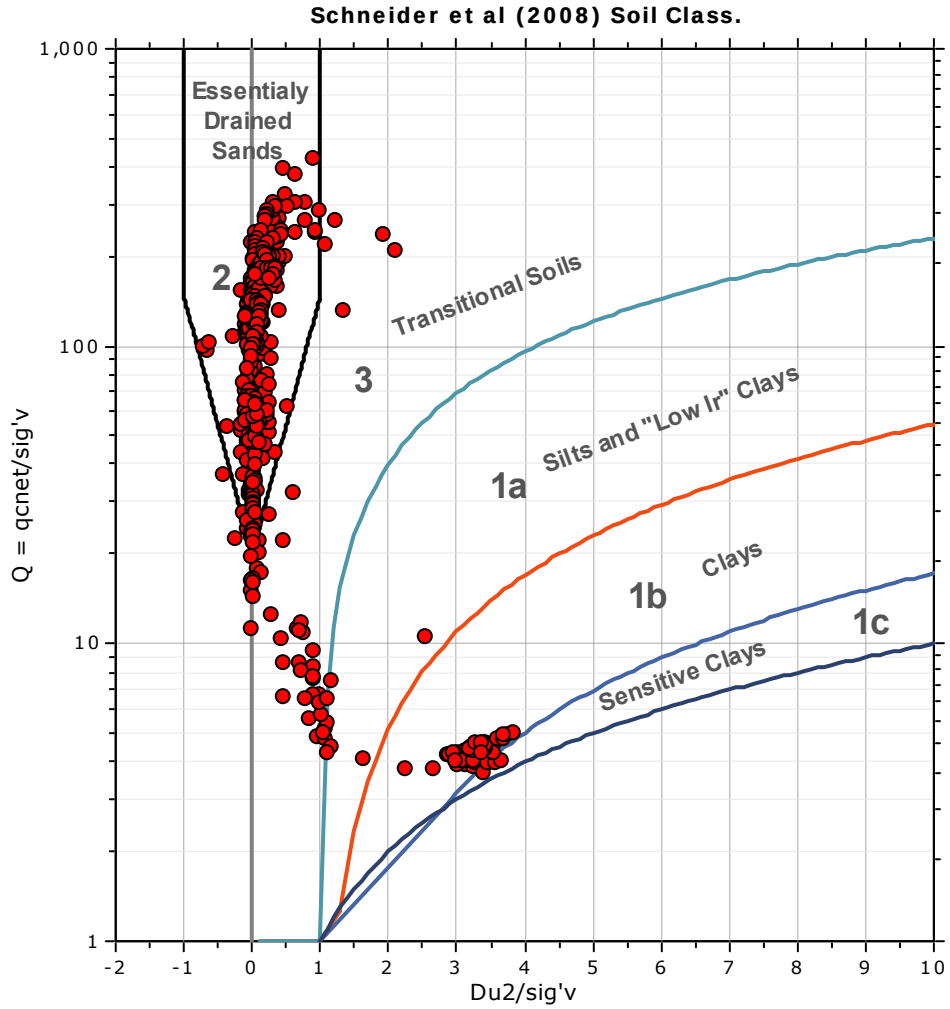
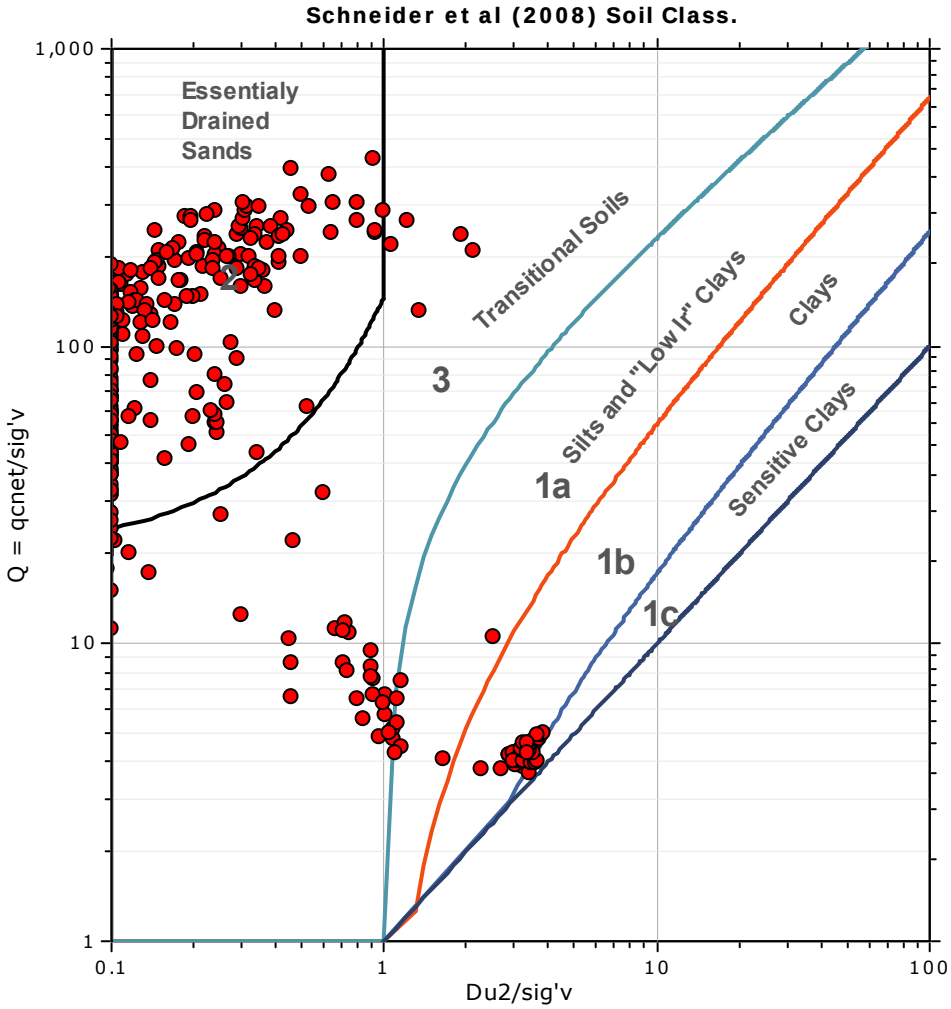
Bq plots (Schneider)





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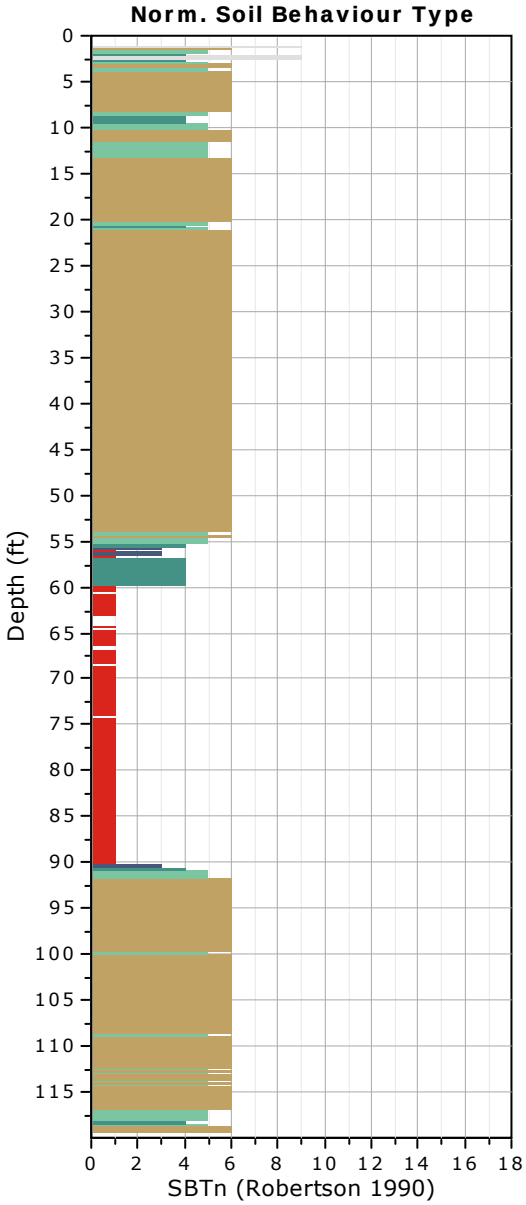

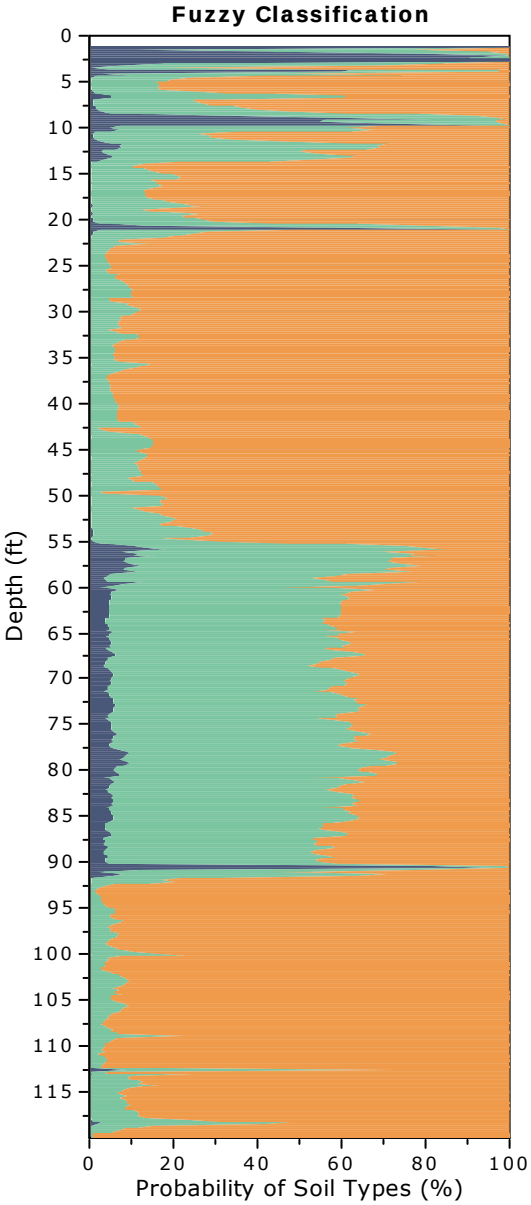

Fuzzy classifiaction legend

- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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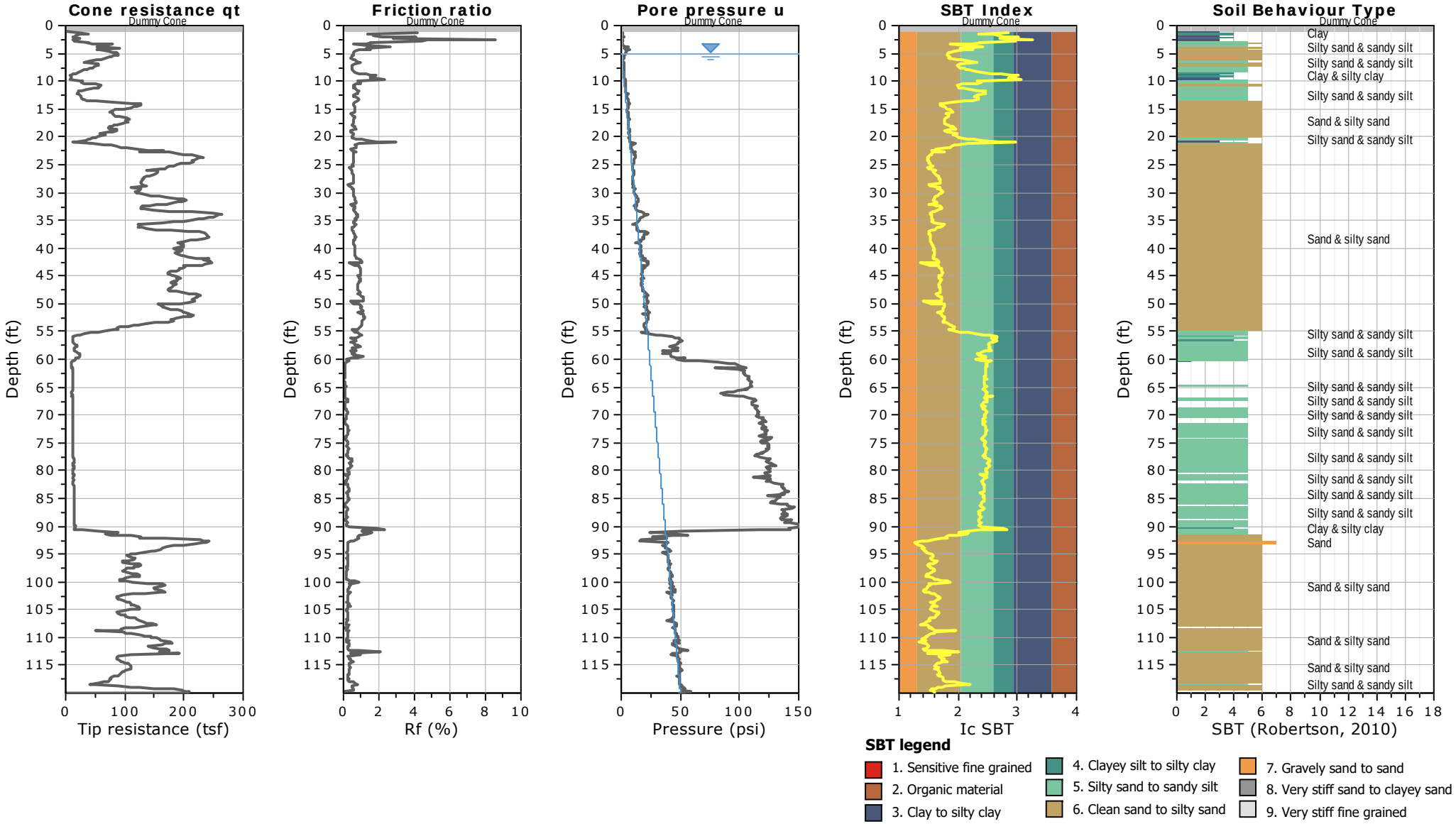

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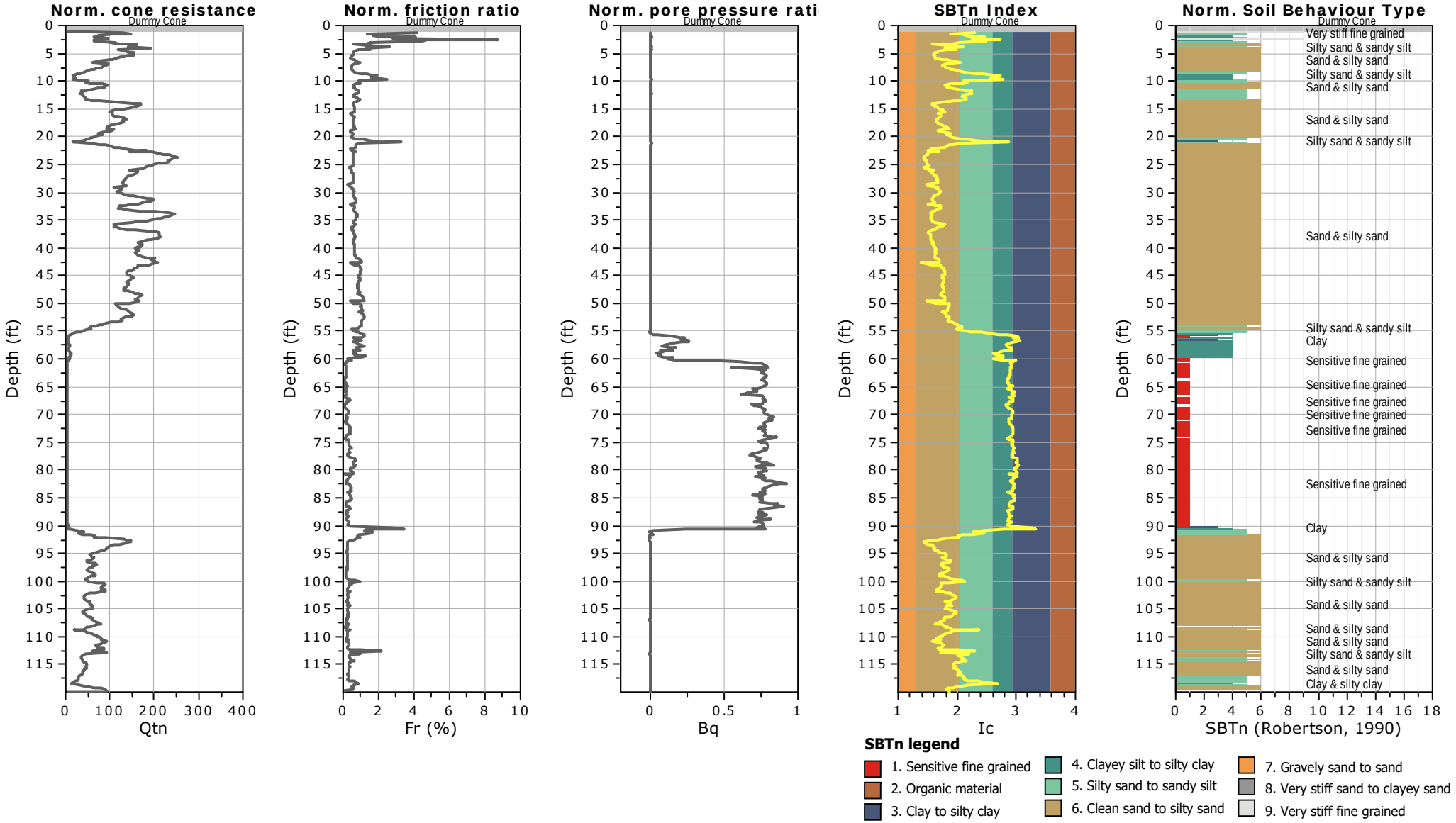

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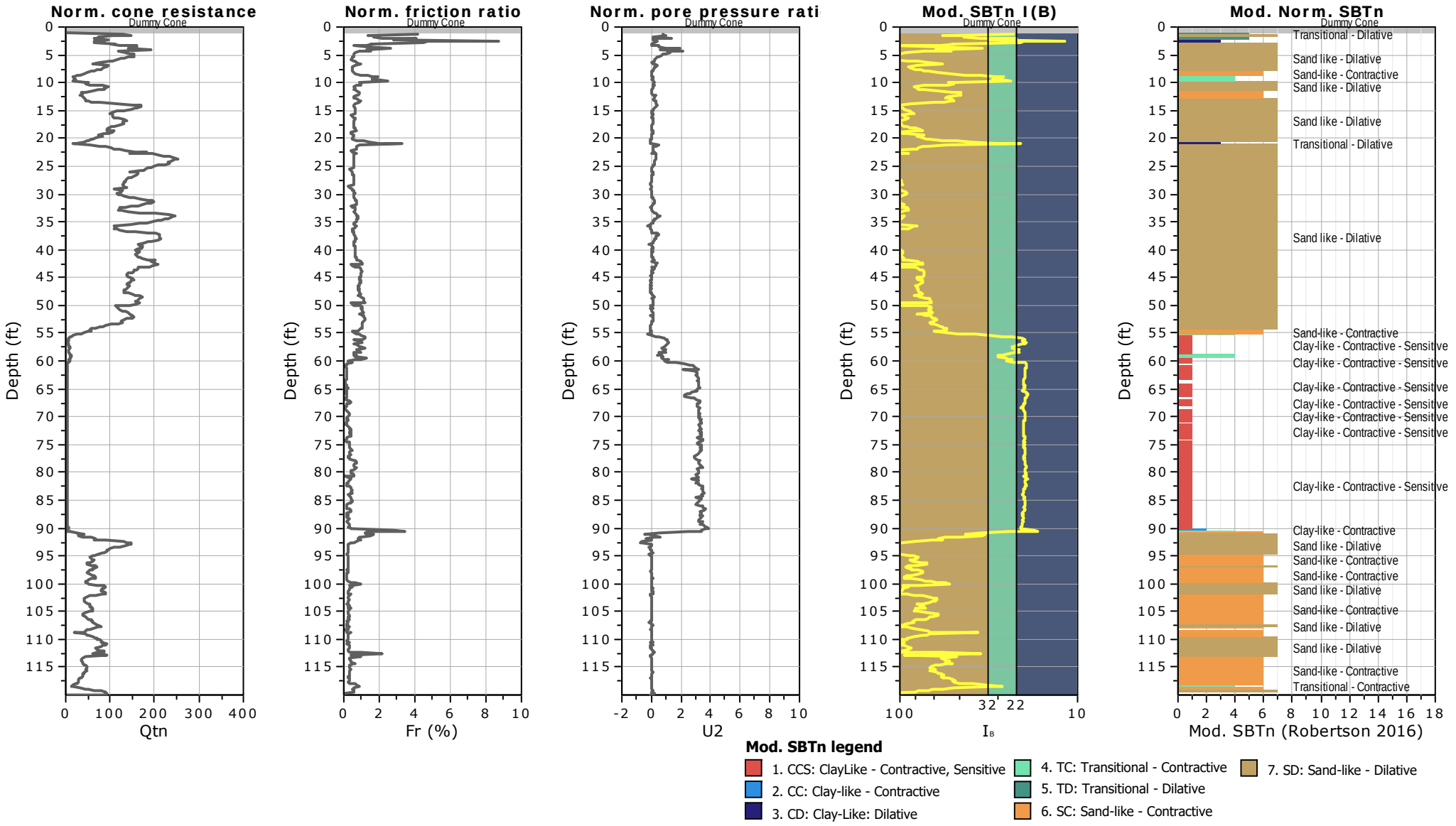

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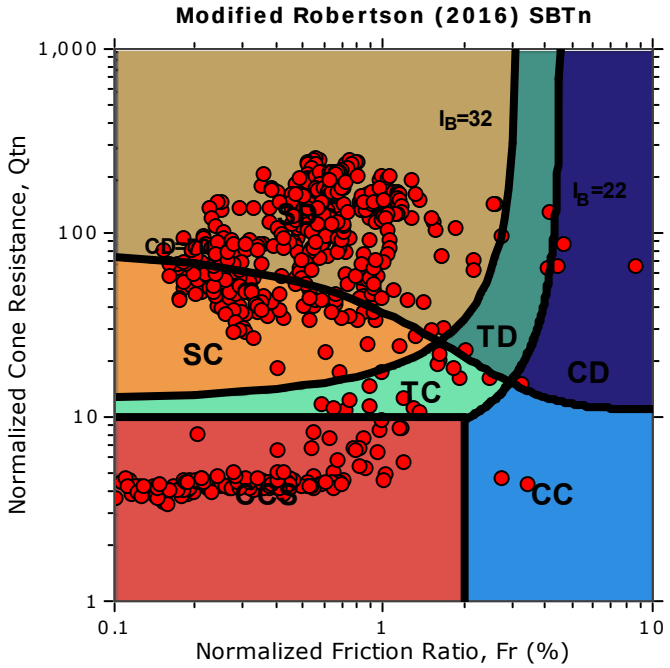
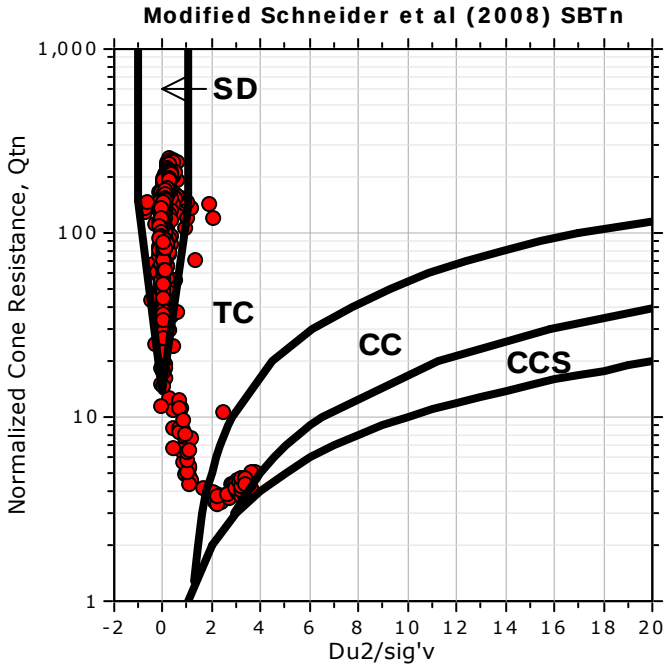
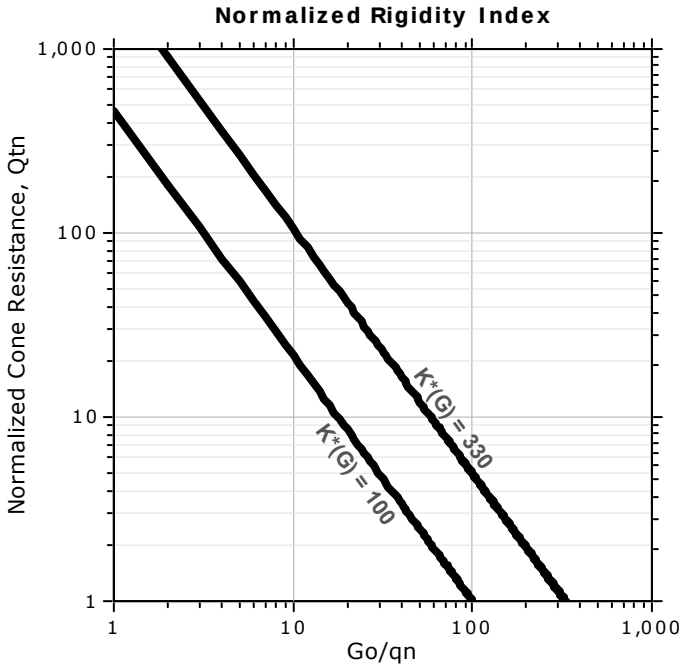
Total depth: 119.98 ft

Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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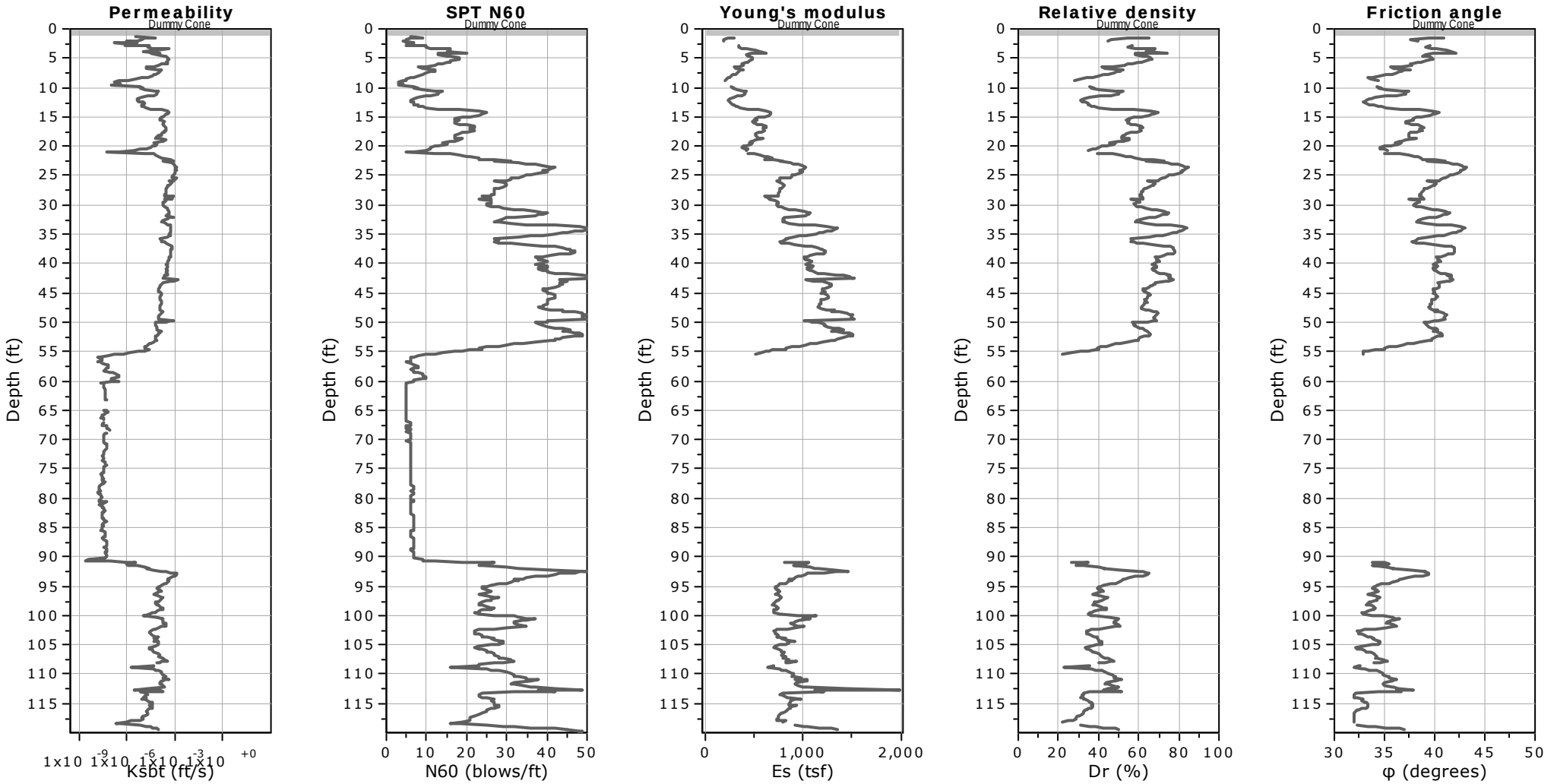

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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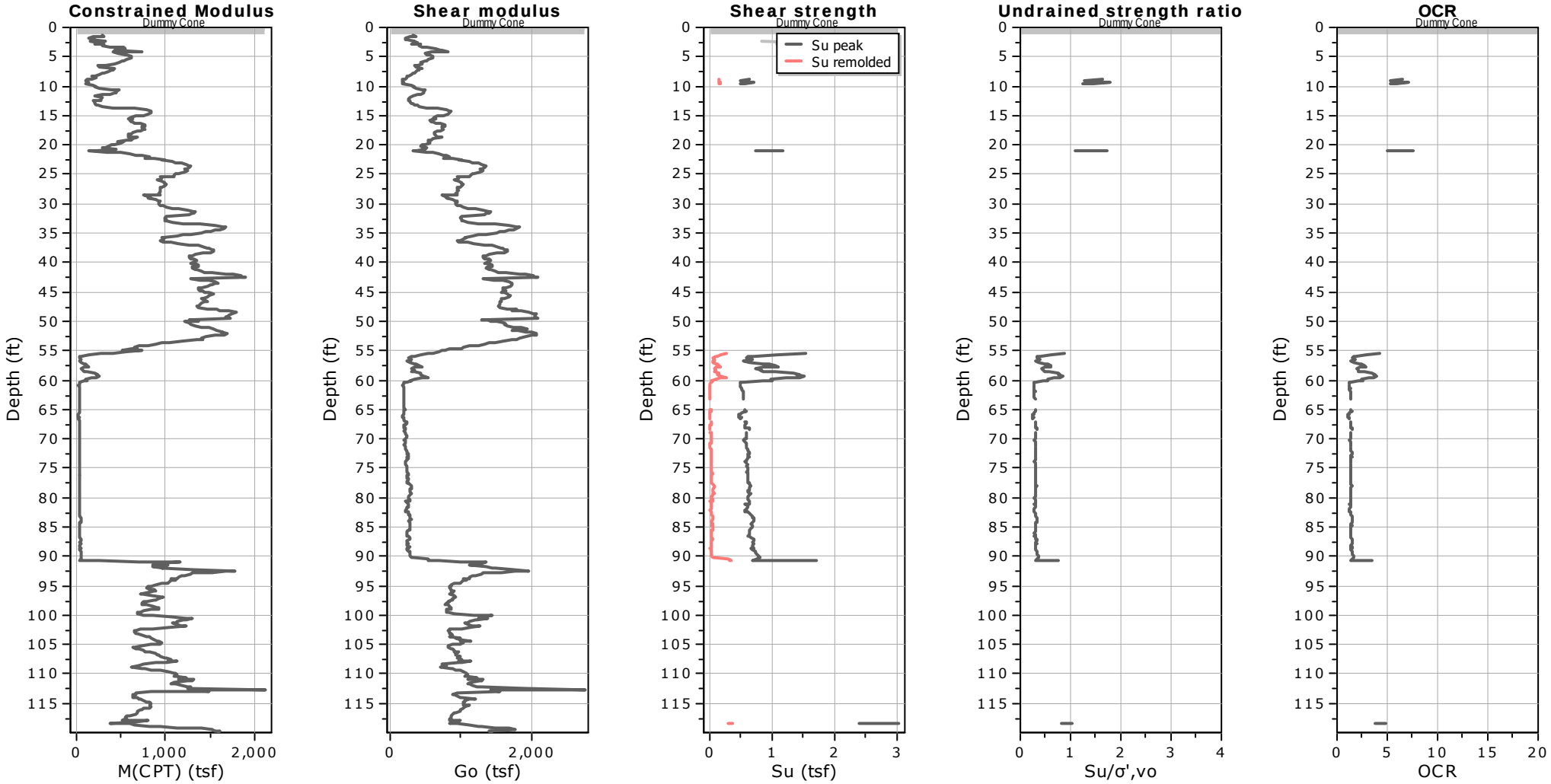

Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 14
OCR factor for clays, N_{kt}: 0.33
Flat Dilatometer Test data

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Mays Landing, NJ

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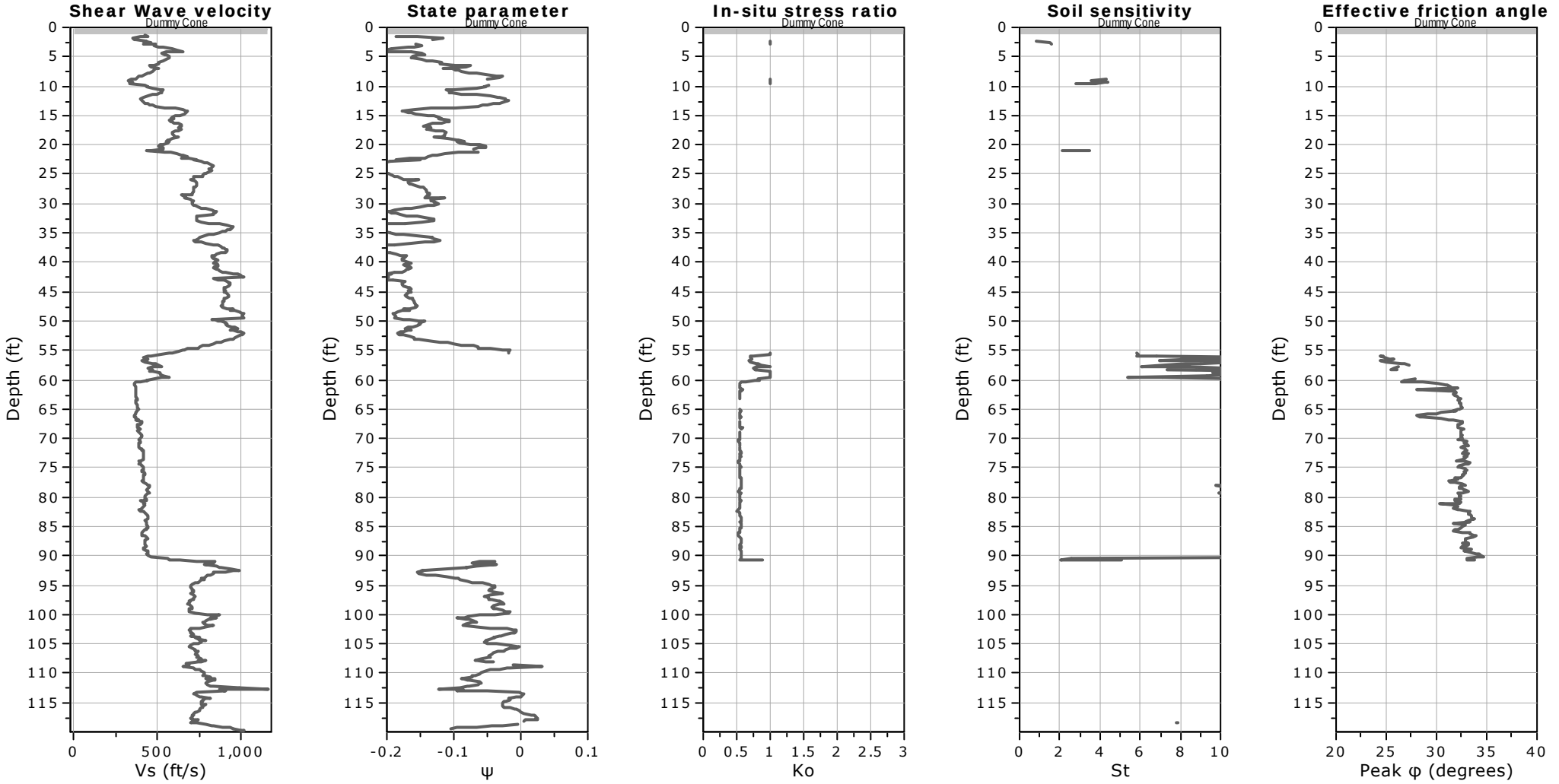

Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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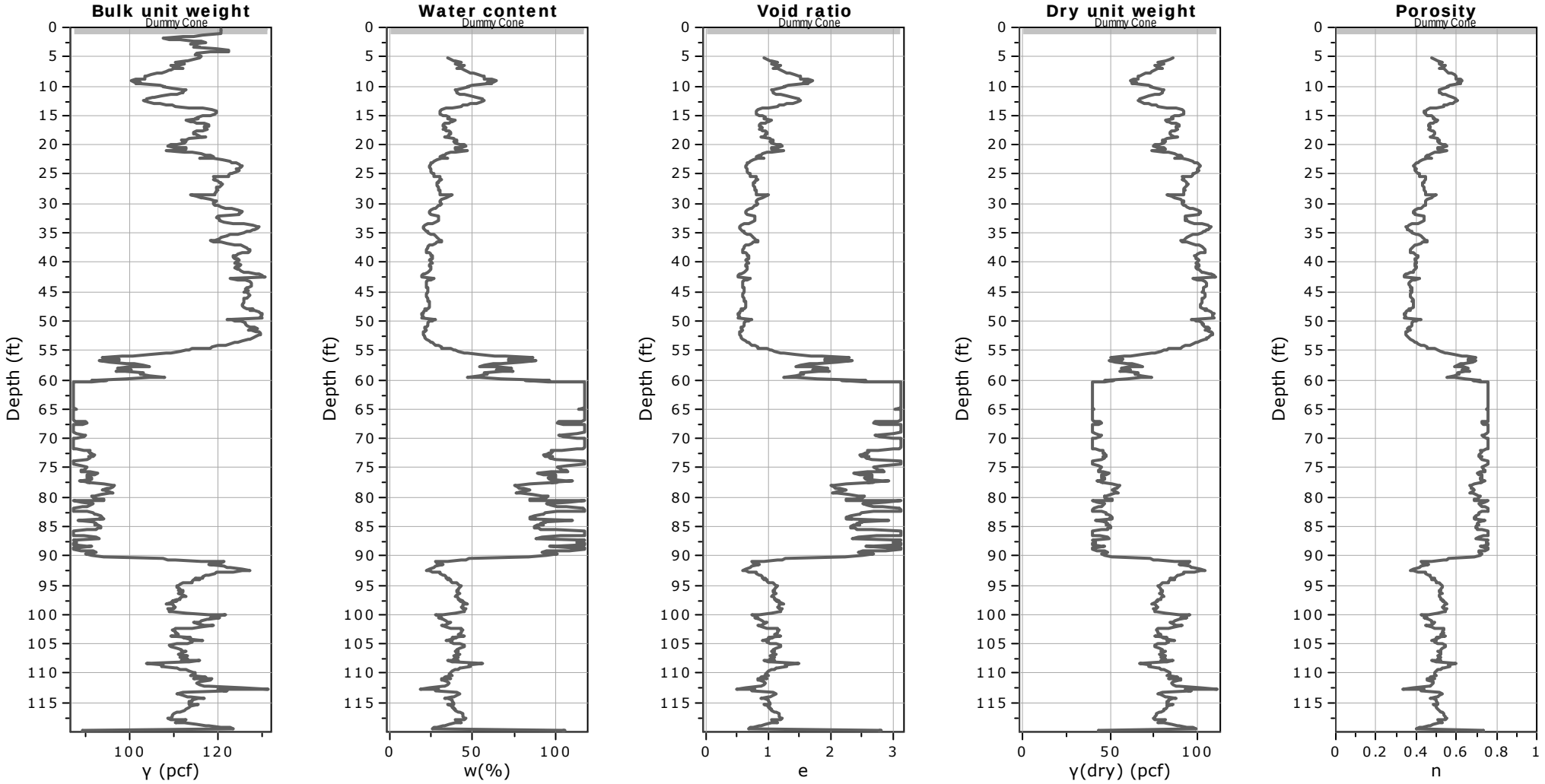

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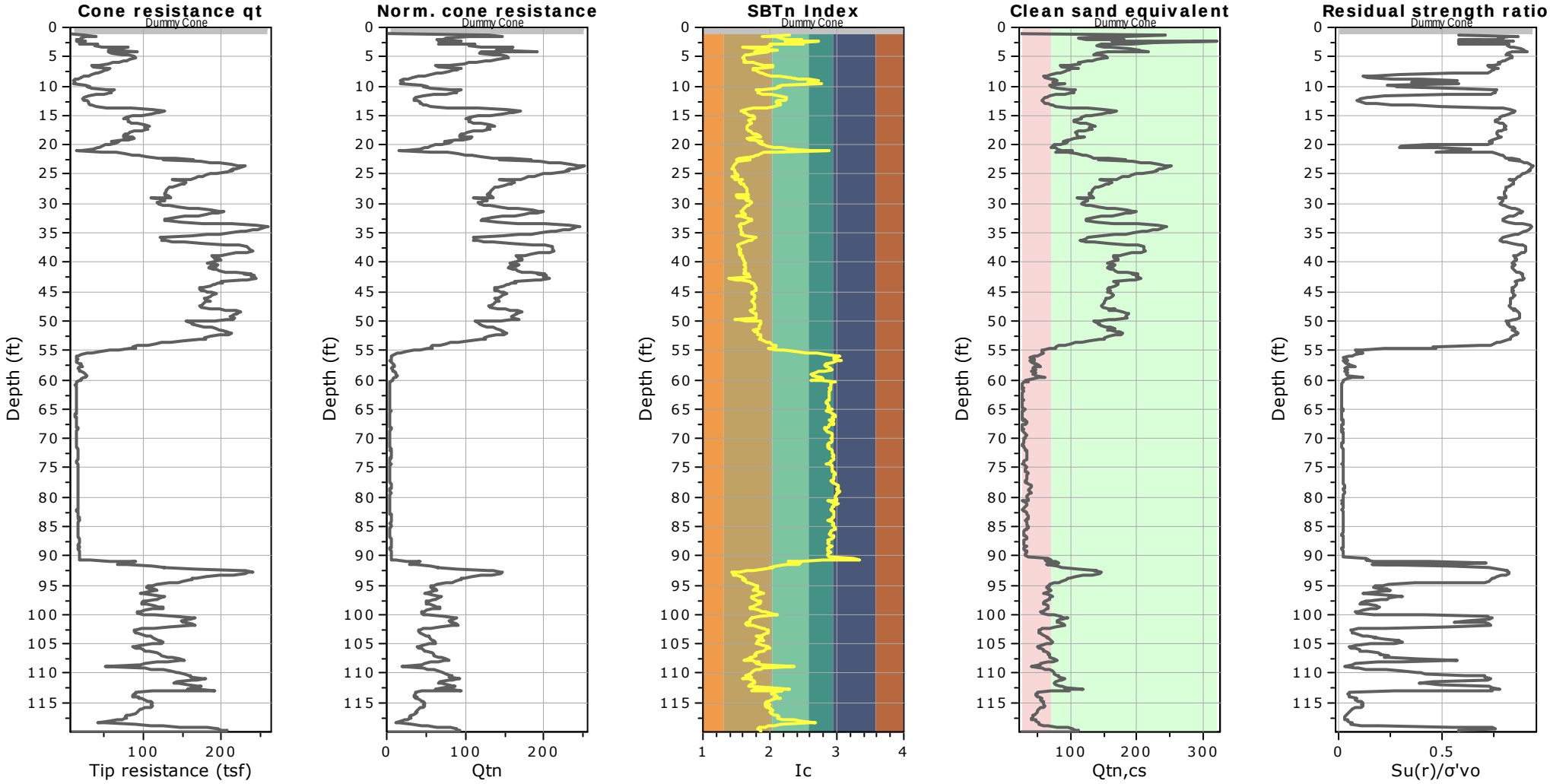

Craig Geotechnical Drilling
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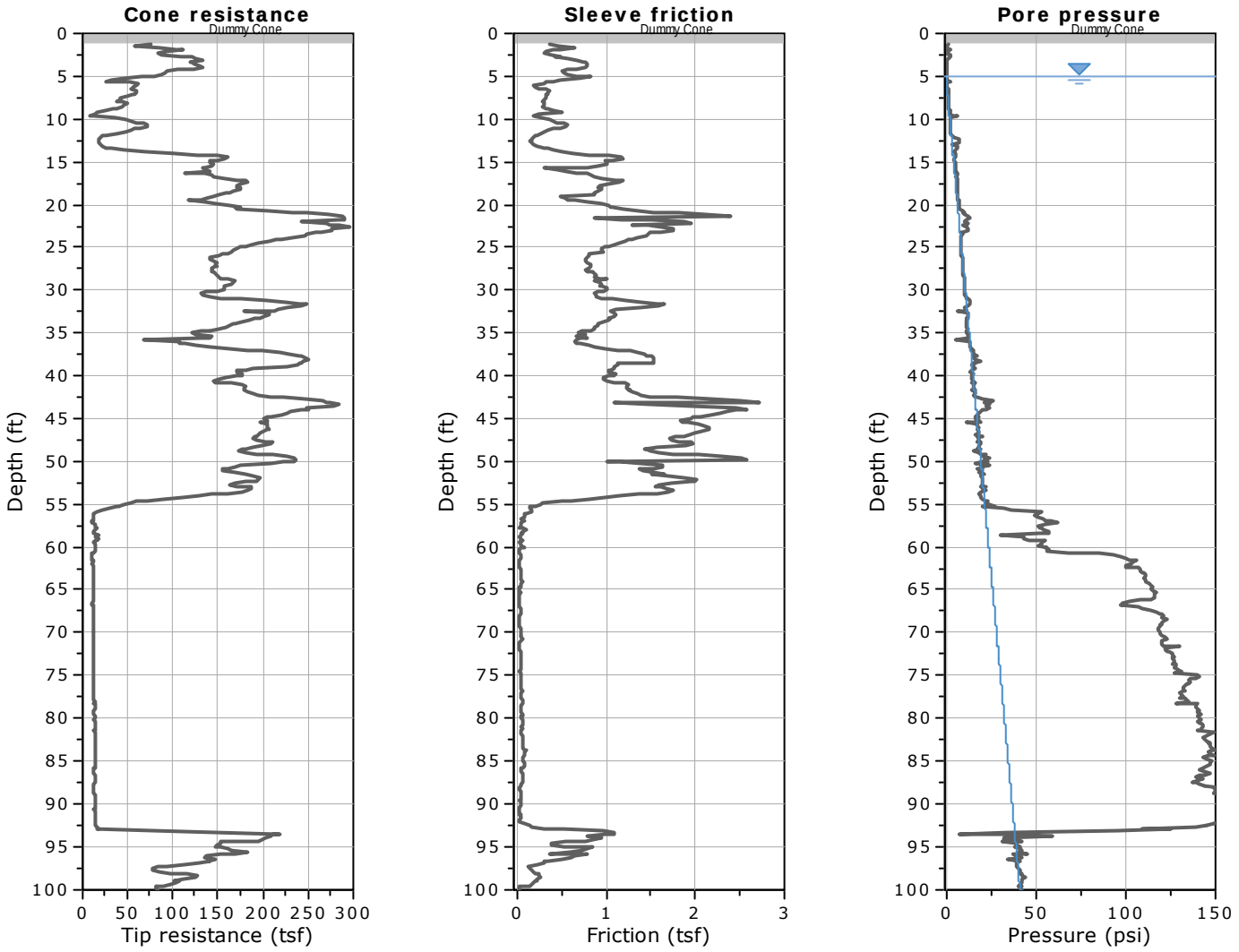
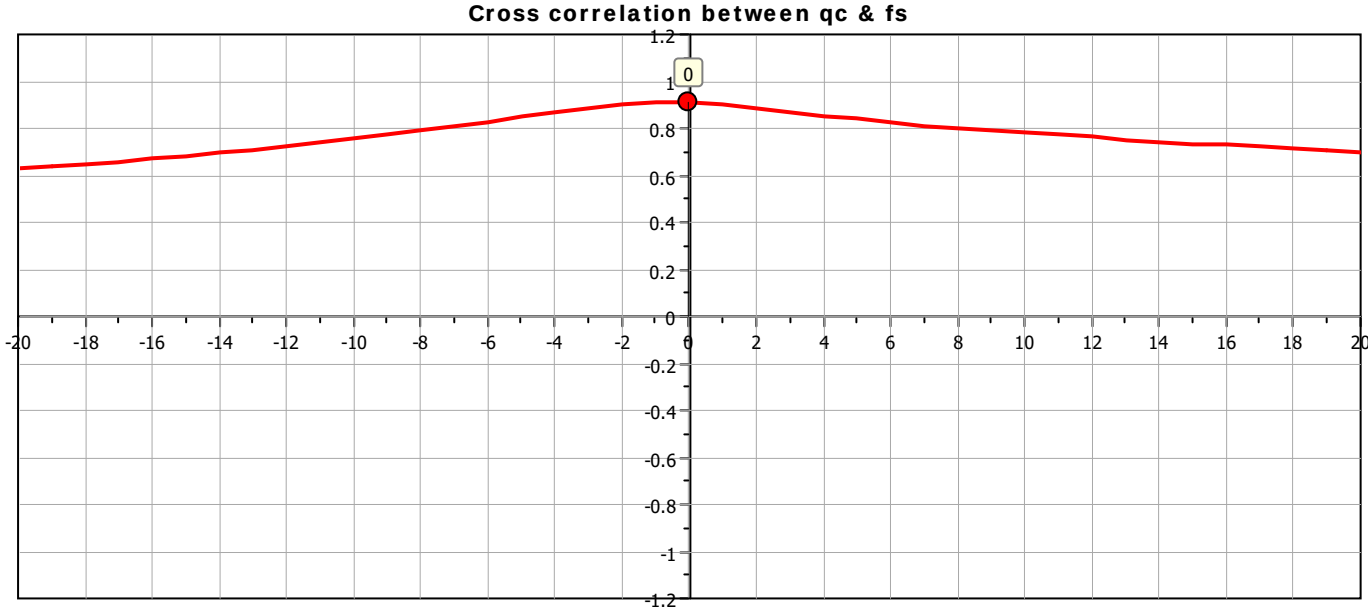
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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Mays Landing, NJ

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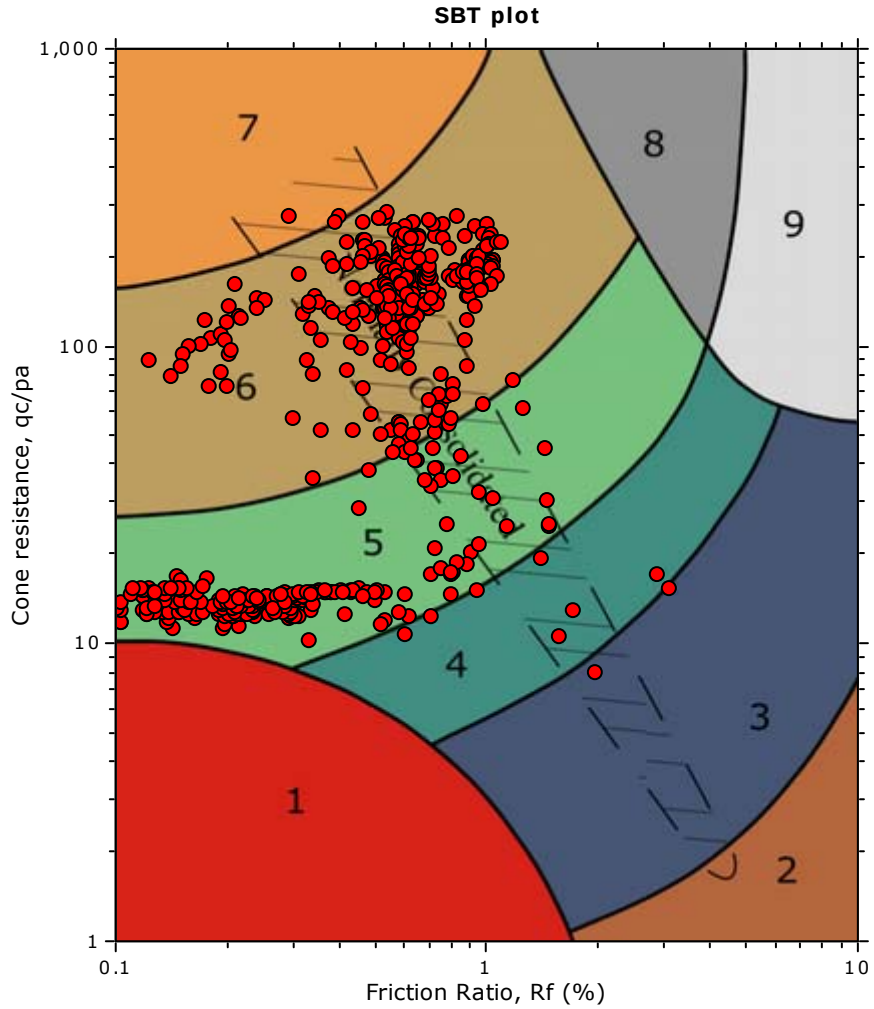
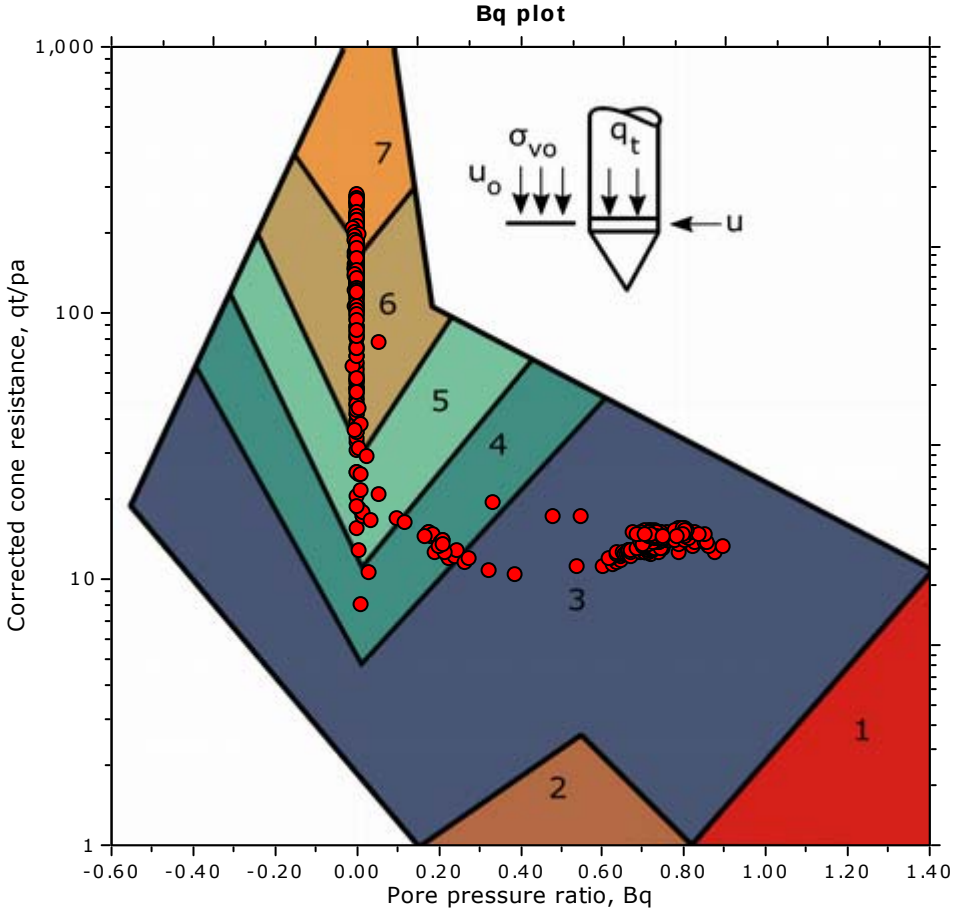
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft

SBT - Bq plots





SBT legend

- 1. Sensitive fine grained
- 2. Organic material
- 3. Clay to silty clay
- 4. Clayey silt to silty clay
- 5. Silty sand to sandy silt
- 6. Clean sand to silty sand
- 7. Gravelly sand to sand
- 8. Very stiff sand to clayey sand
- 9. Very stiff fine grained

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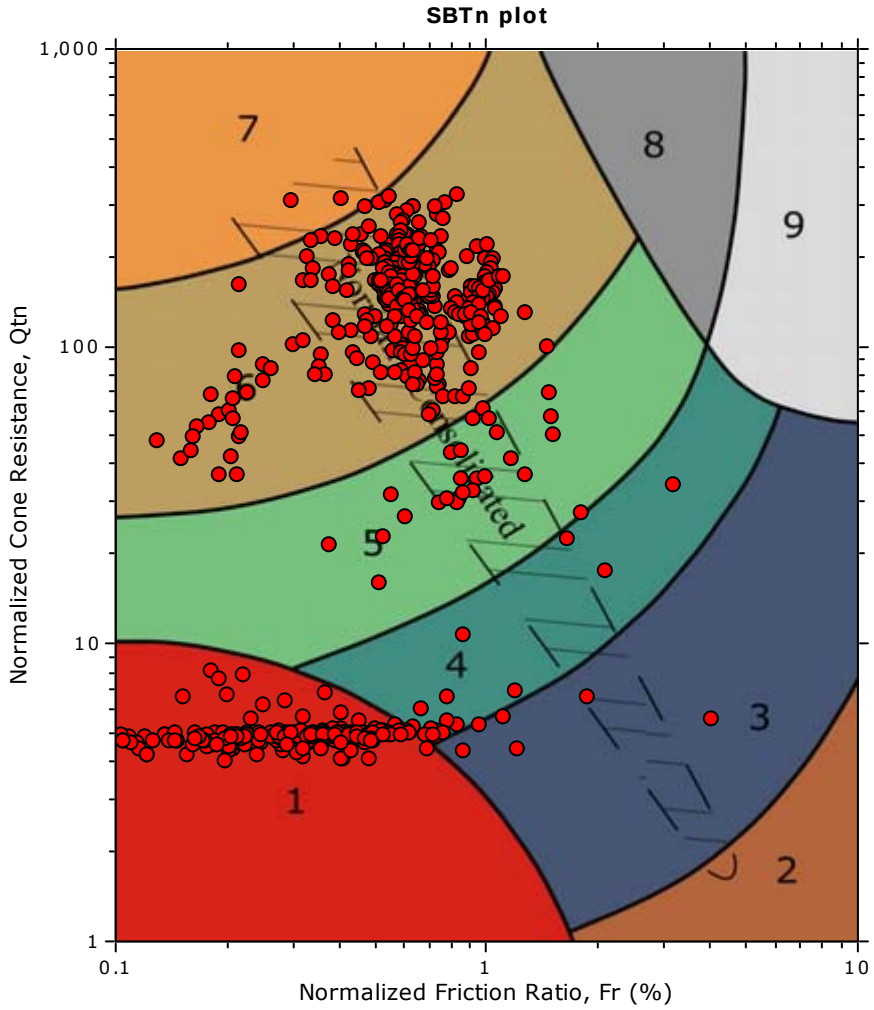
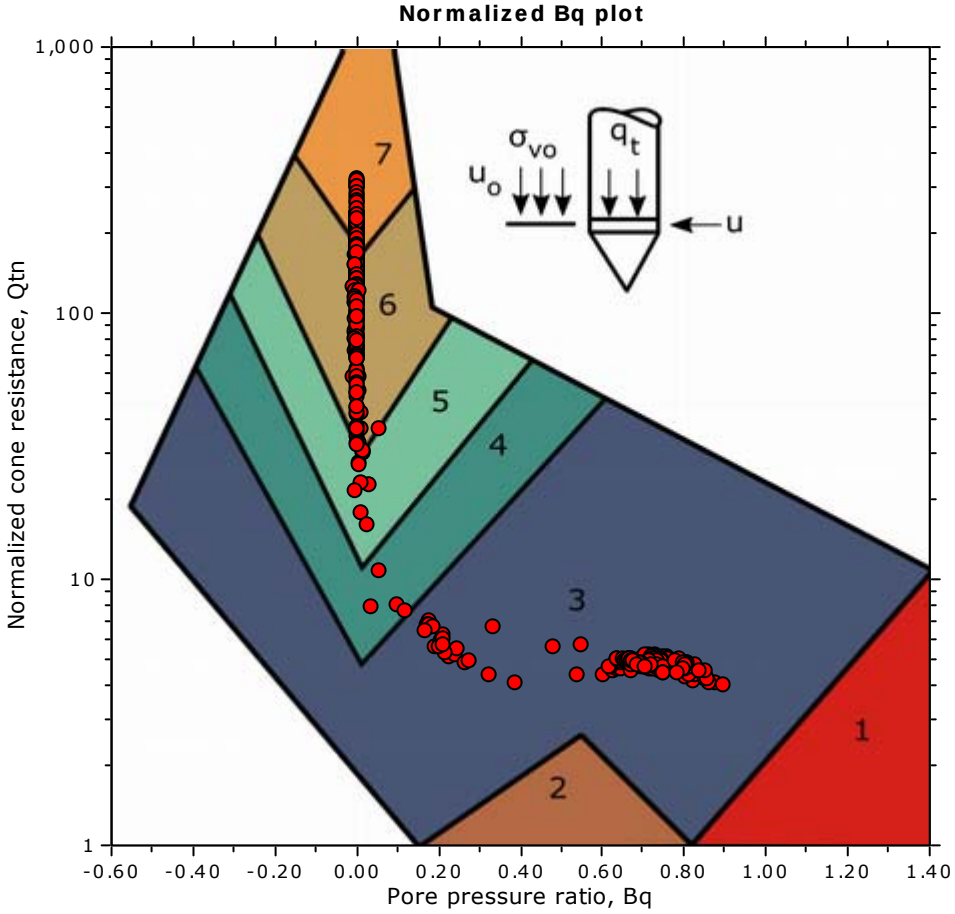
Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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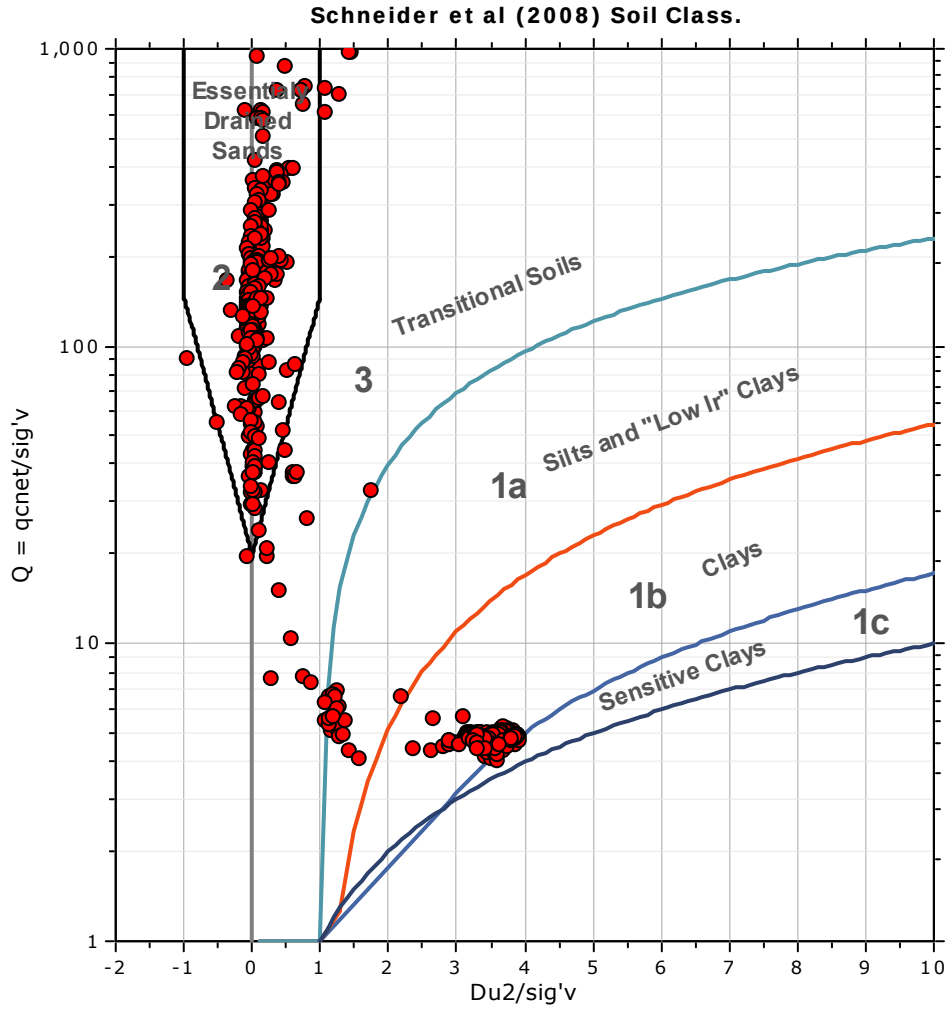
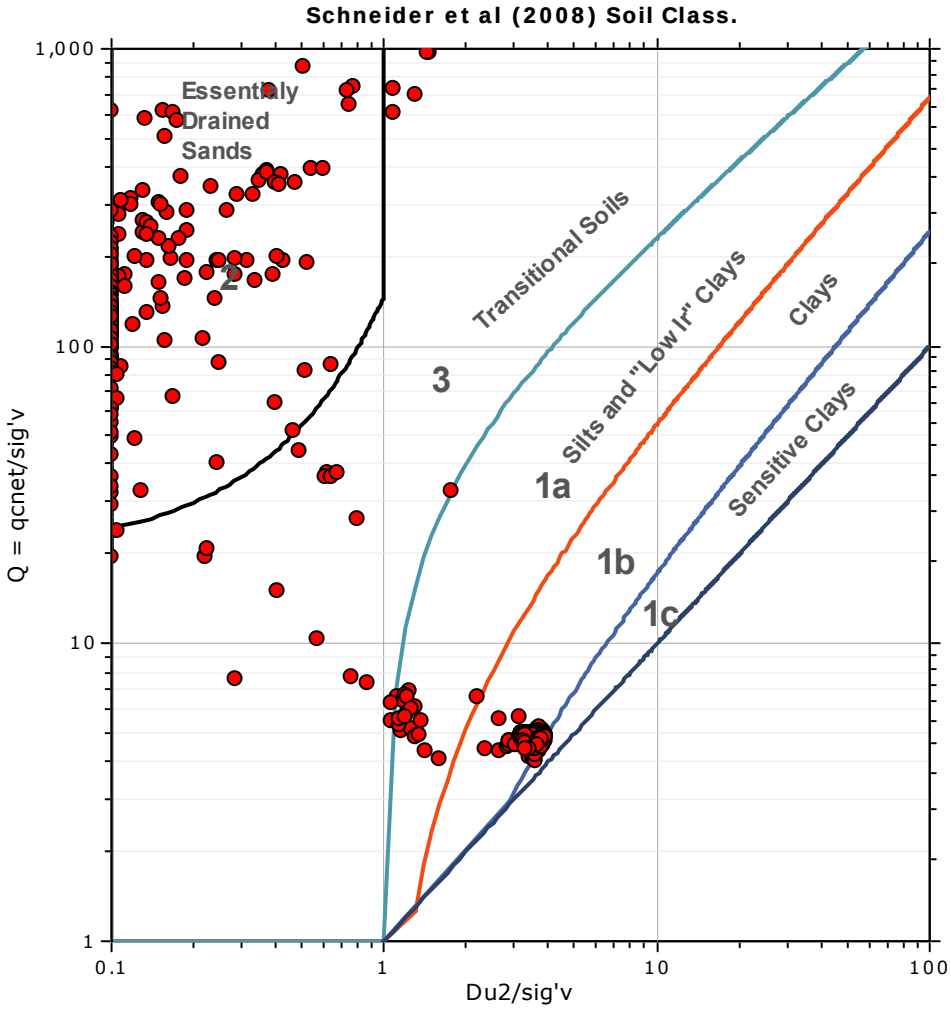
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft

Bq plots (Schneider)





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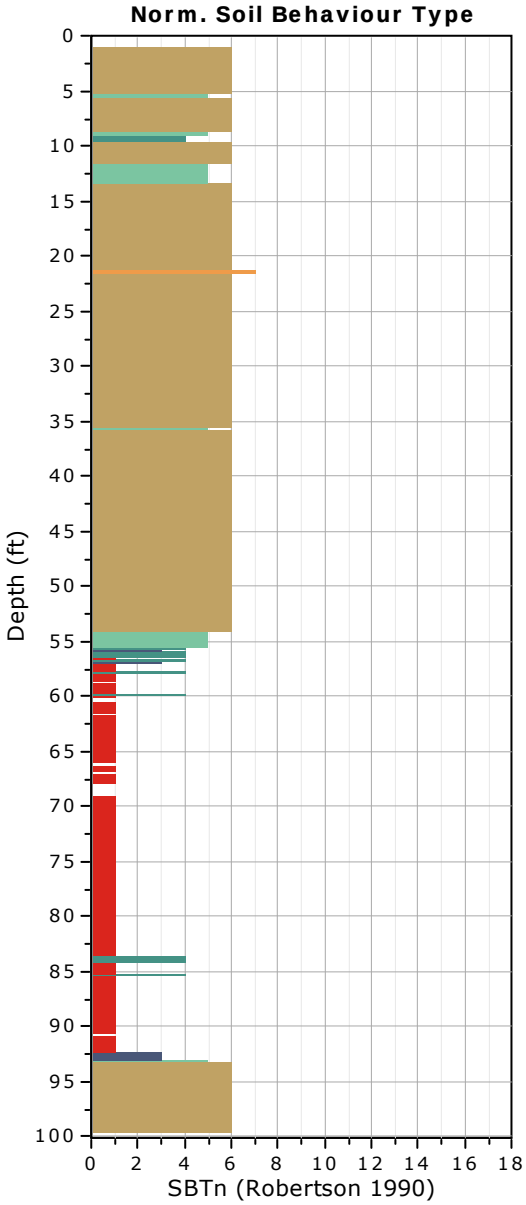
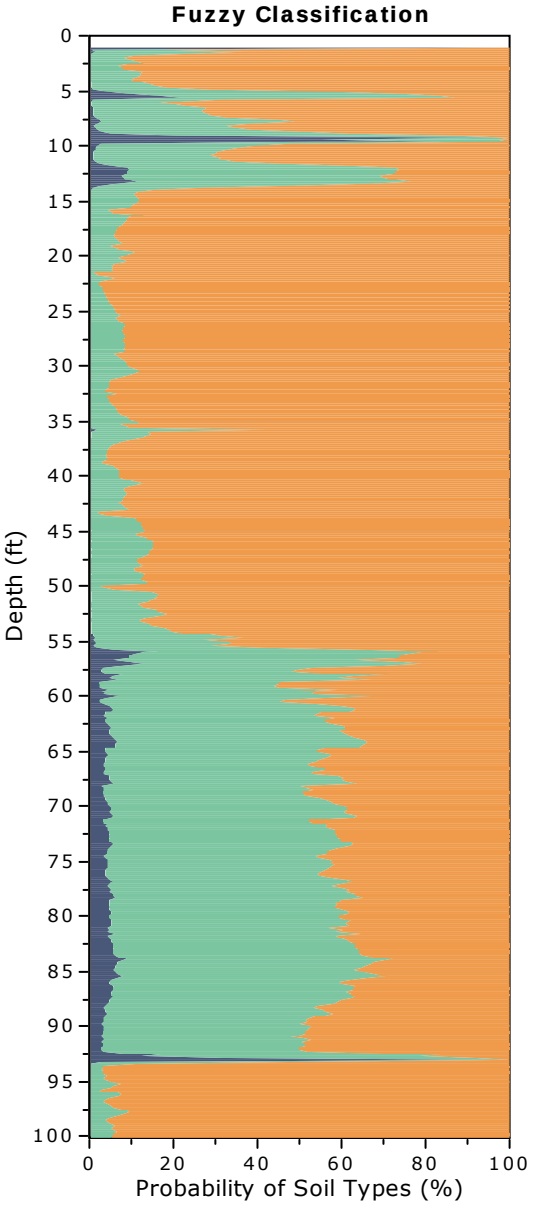
CPT: CPT-5
Total depth: 100.10 ft





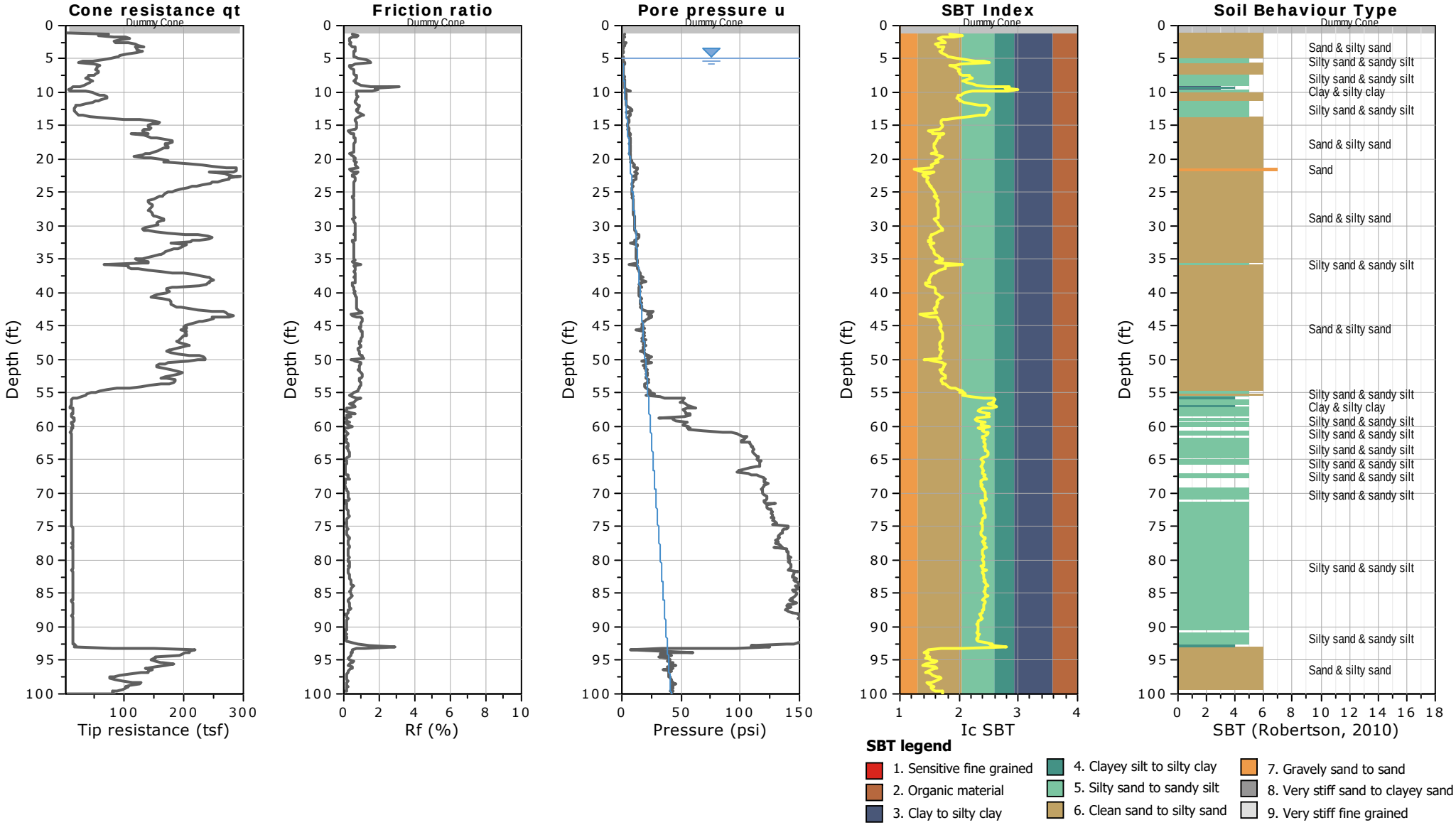
Fuzzy classifiaction legend

- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft



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Mays Landing, NJ

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Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
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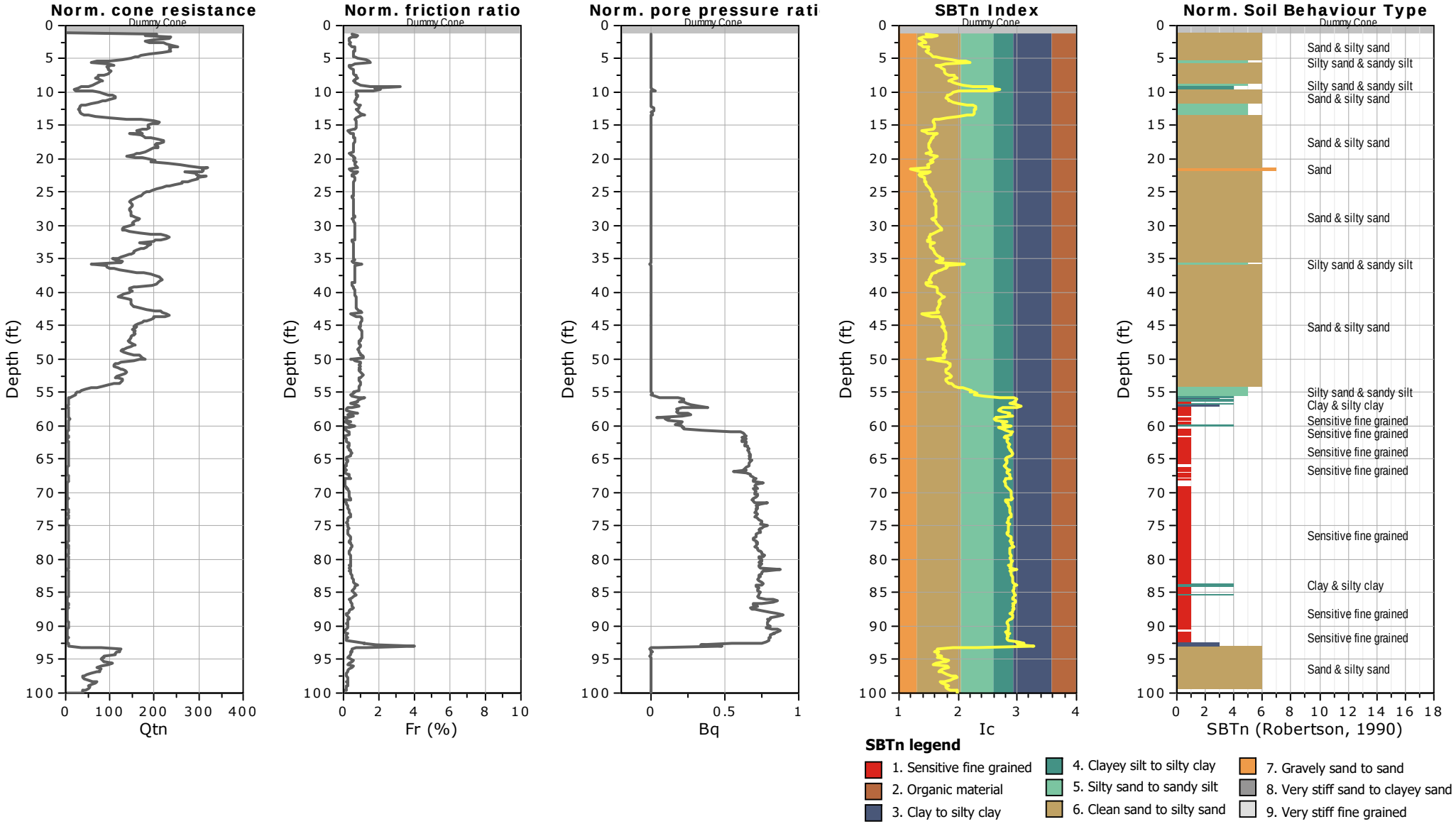

Craig Geotechnical Drilling
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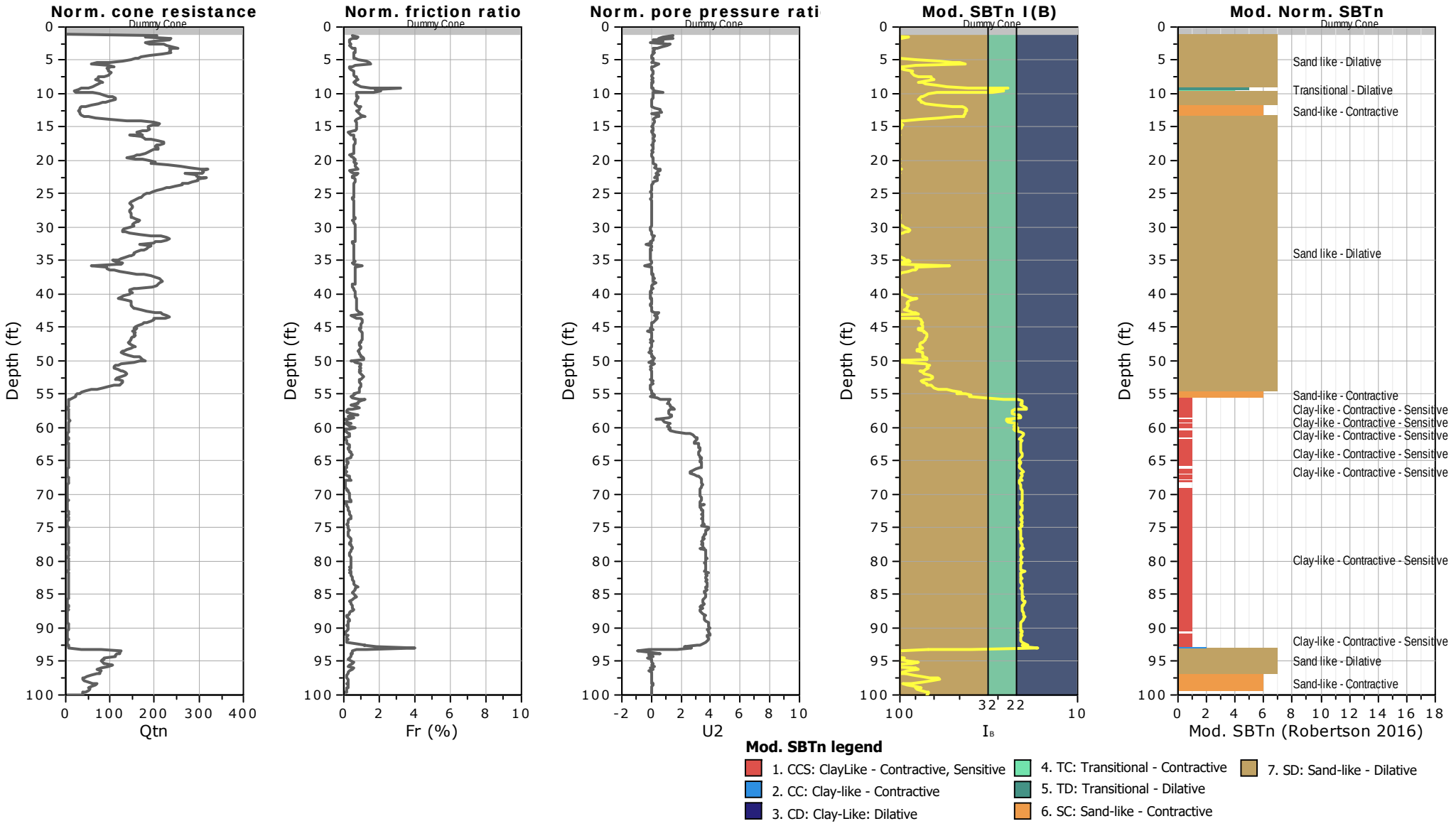
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft



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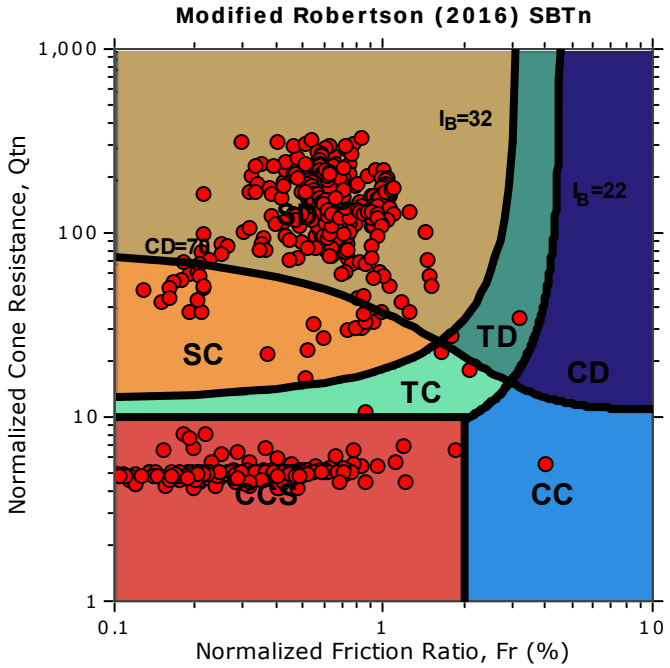
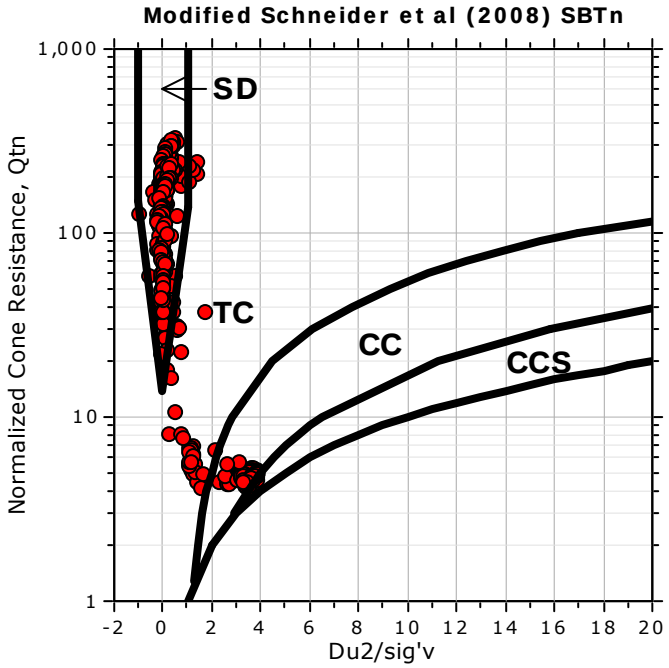
5230 Atlantic Ave
Mays Landing, NJ

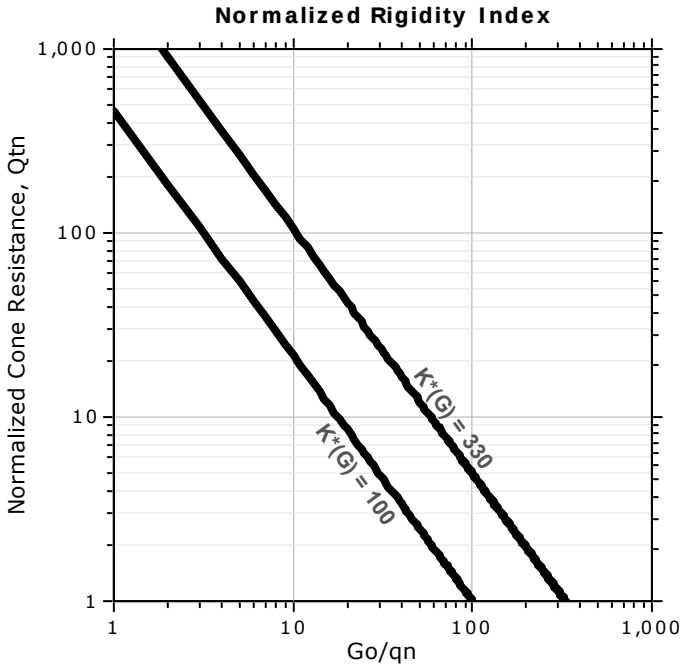
Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft

Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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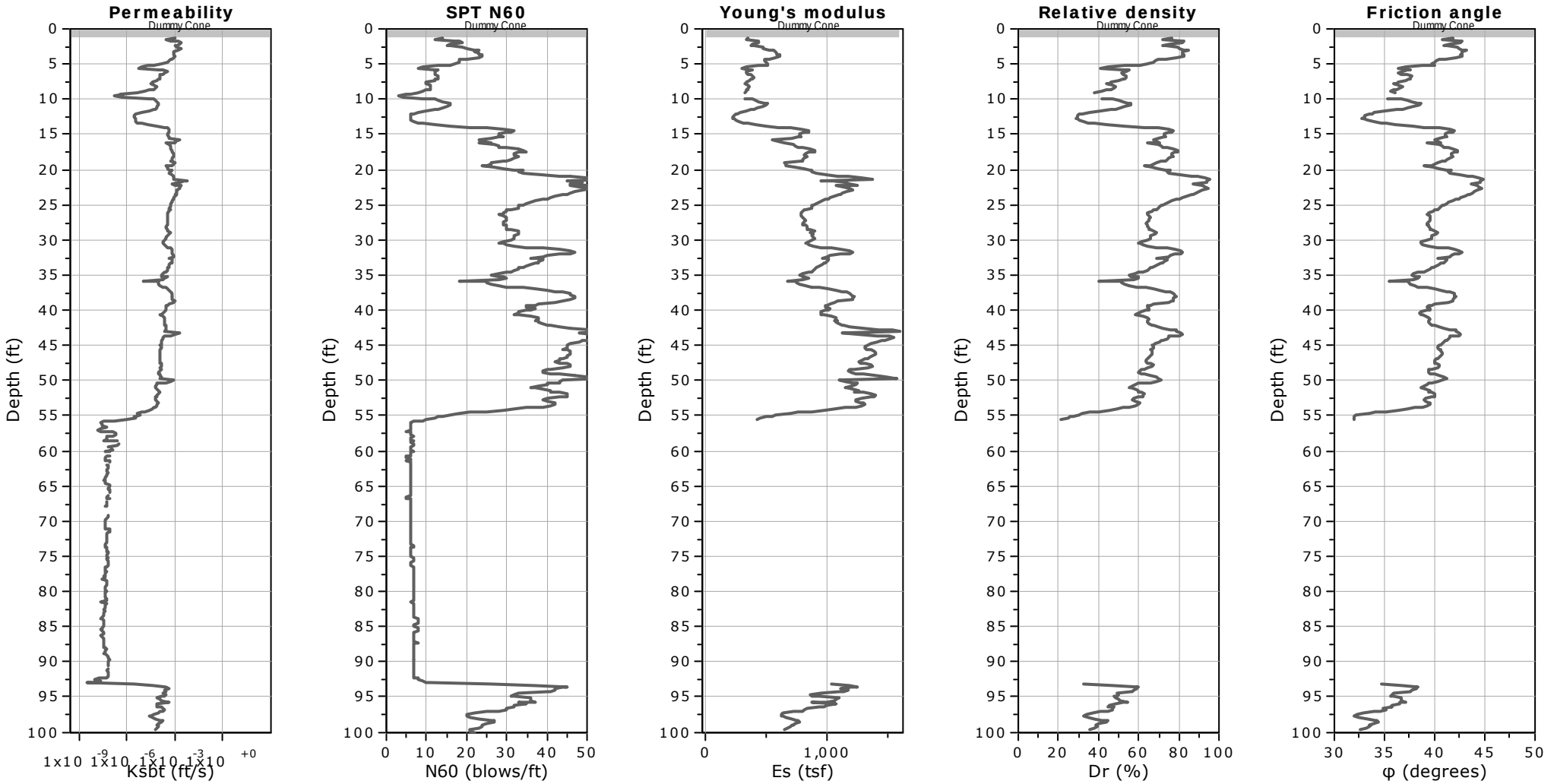
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft



Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
Phi: Based on Kulhawy & Mayne (1990)

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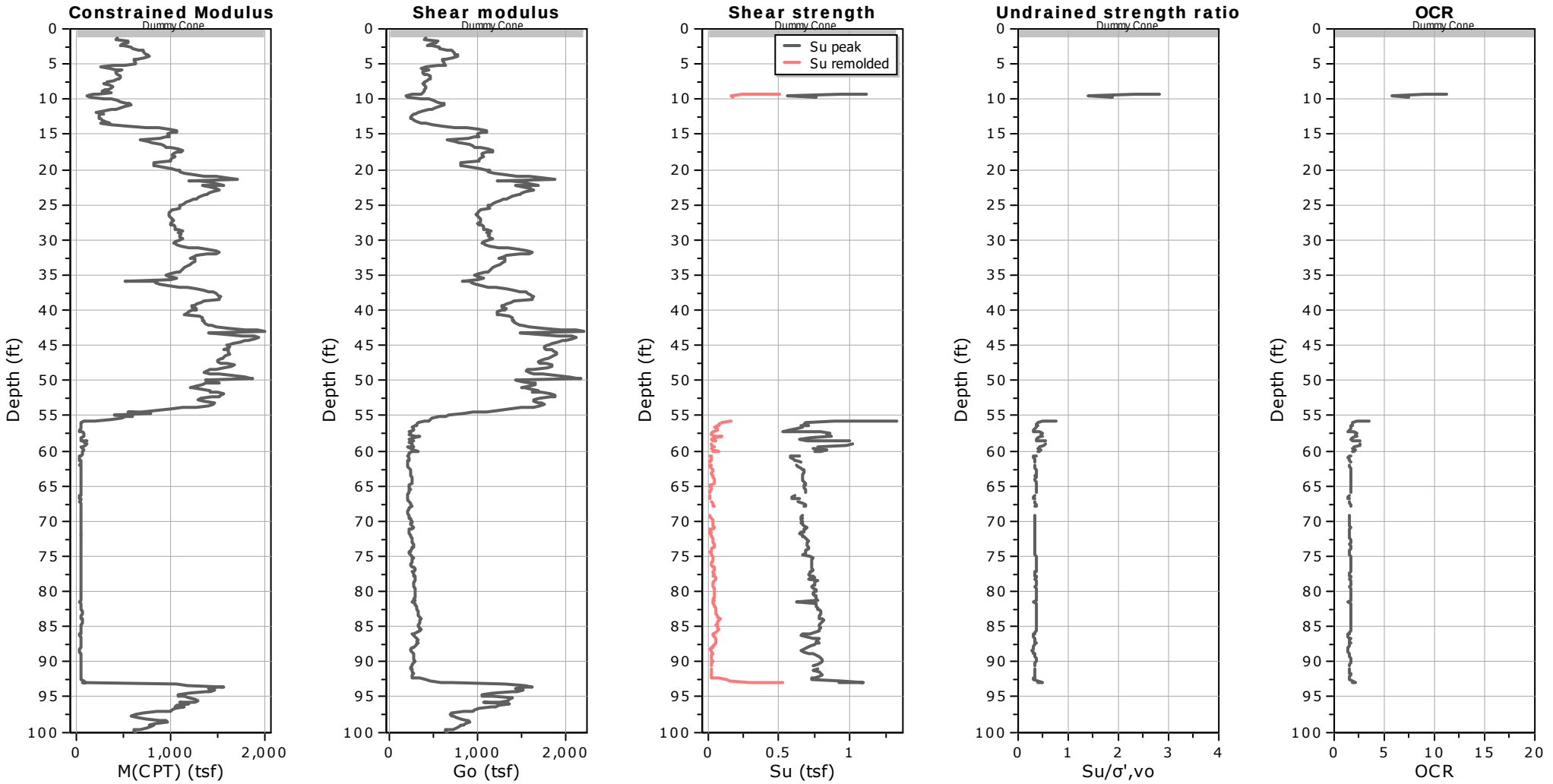
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 14
OCR factor for clays, N_{kt}: 0.33
Flat Dilatometer Test data

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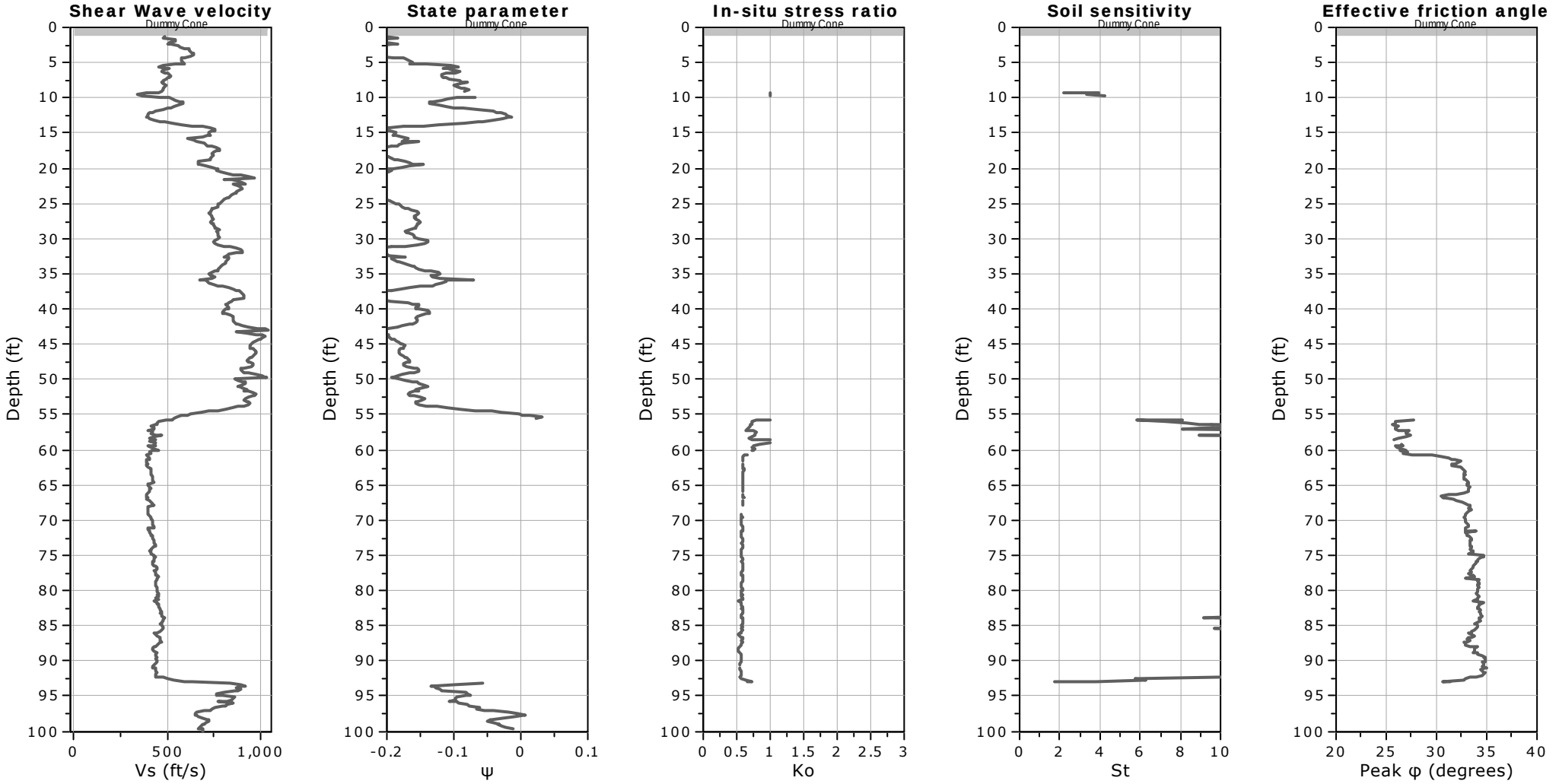
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-5
Total depth: 100.10 ft



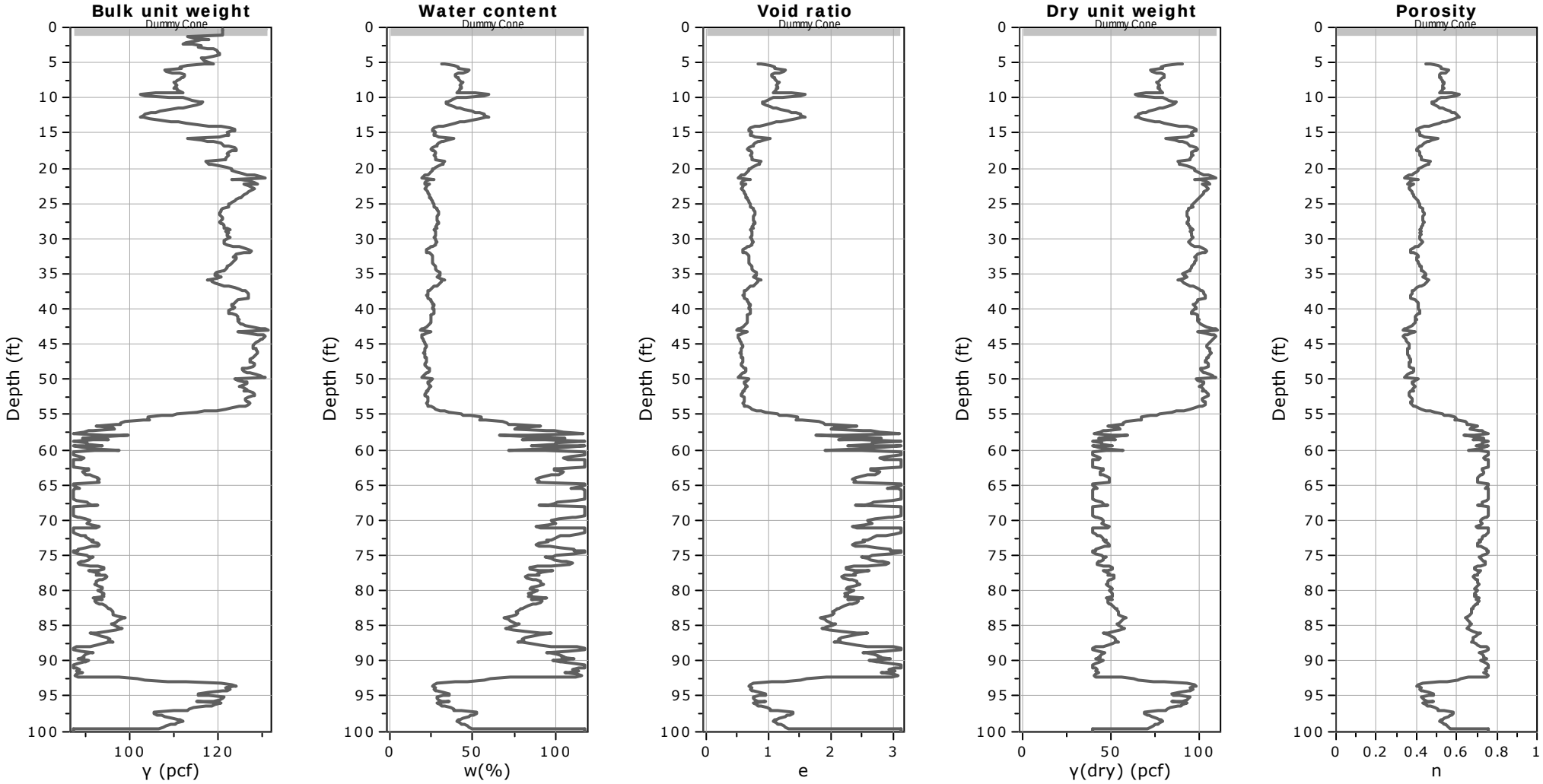
Calculation parameters

Soil Sensitivity factor, N_S: 7.00

Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

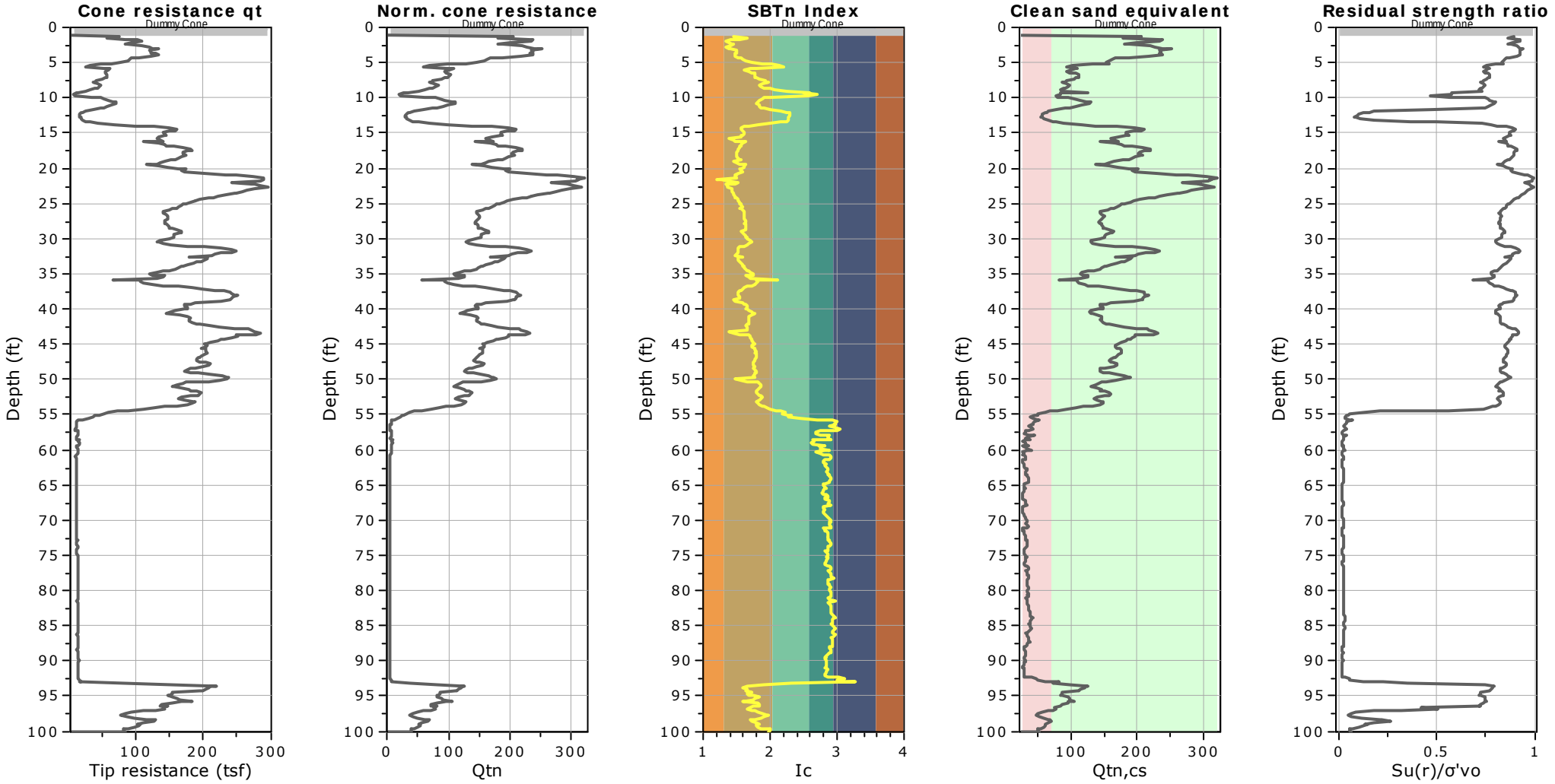
CPT: CPT-5
Total depth: 100.10 ft



Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

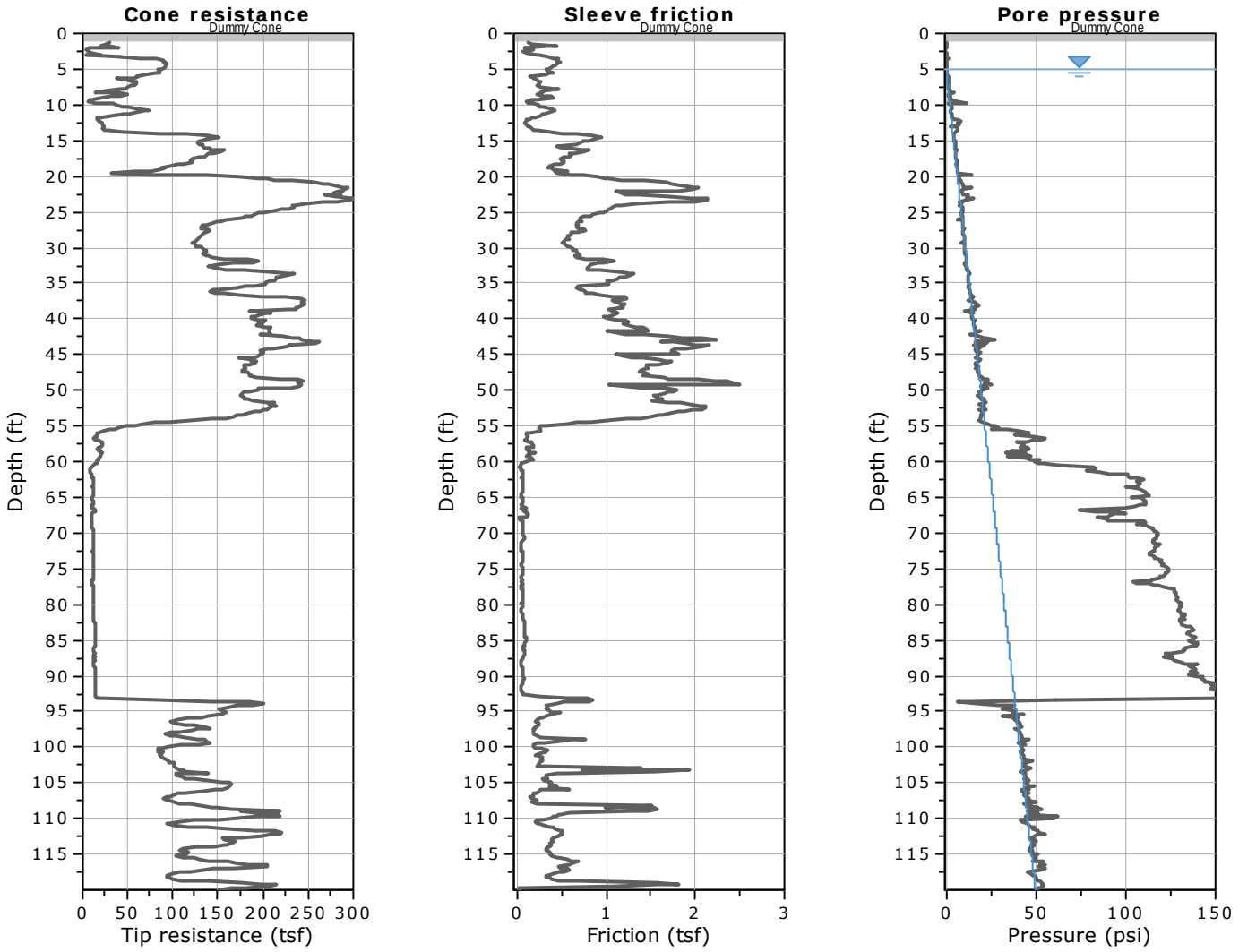
CPT: CPT-5
Total depth: 100.10 ft



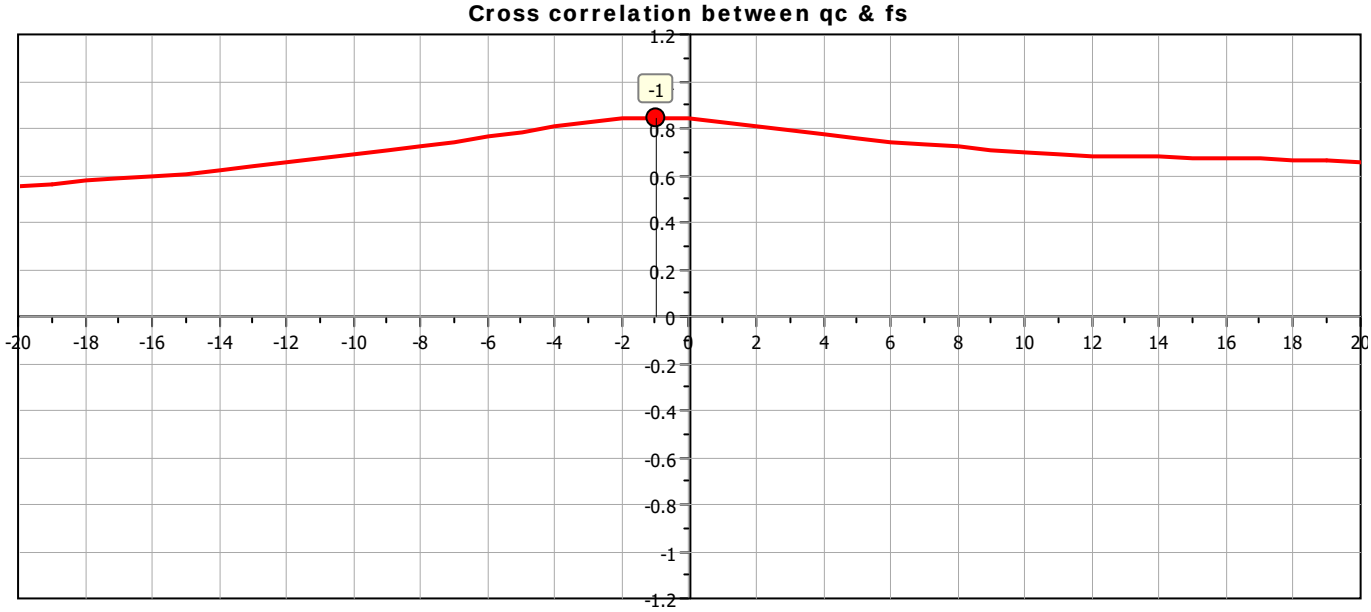
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-6
Total depth: 119.98 ft



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).

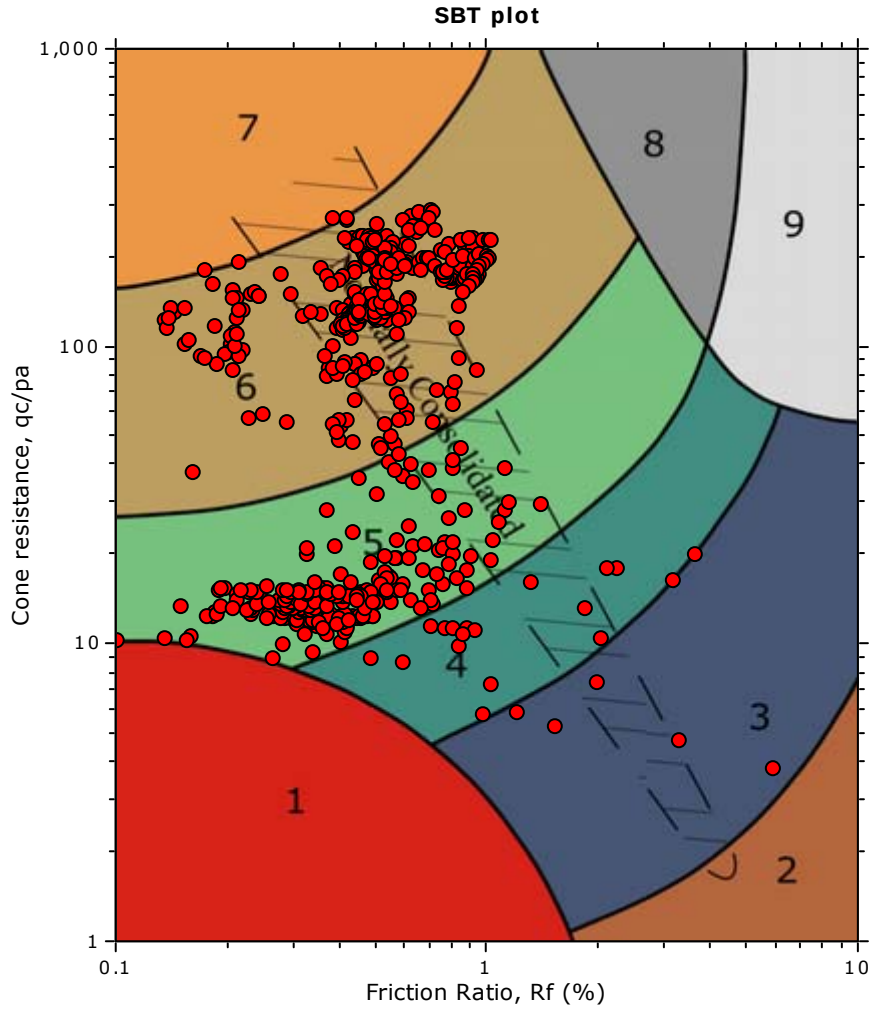


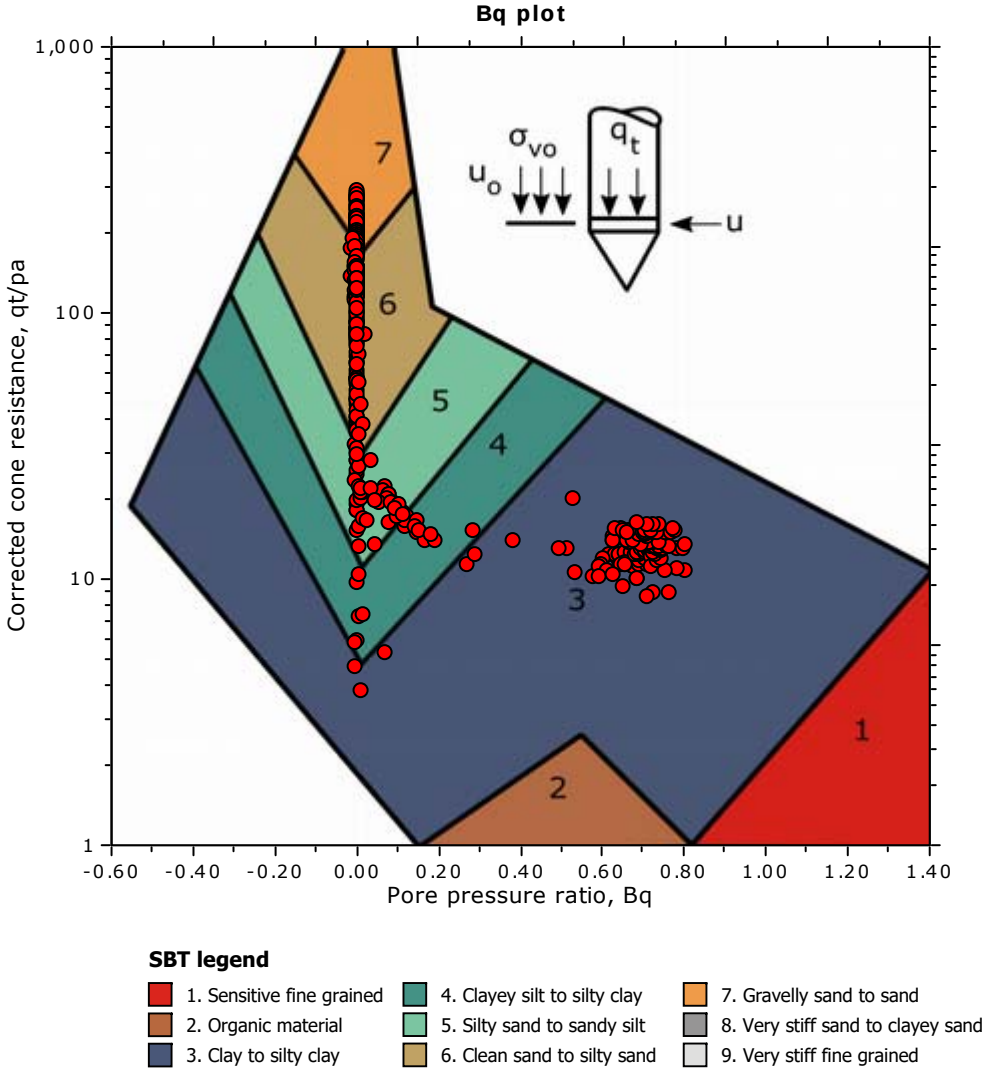
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-6
Total depth: 119.98 ft

SBT - Bq plots





SBT legend

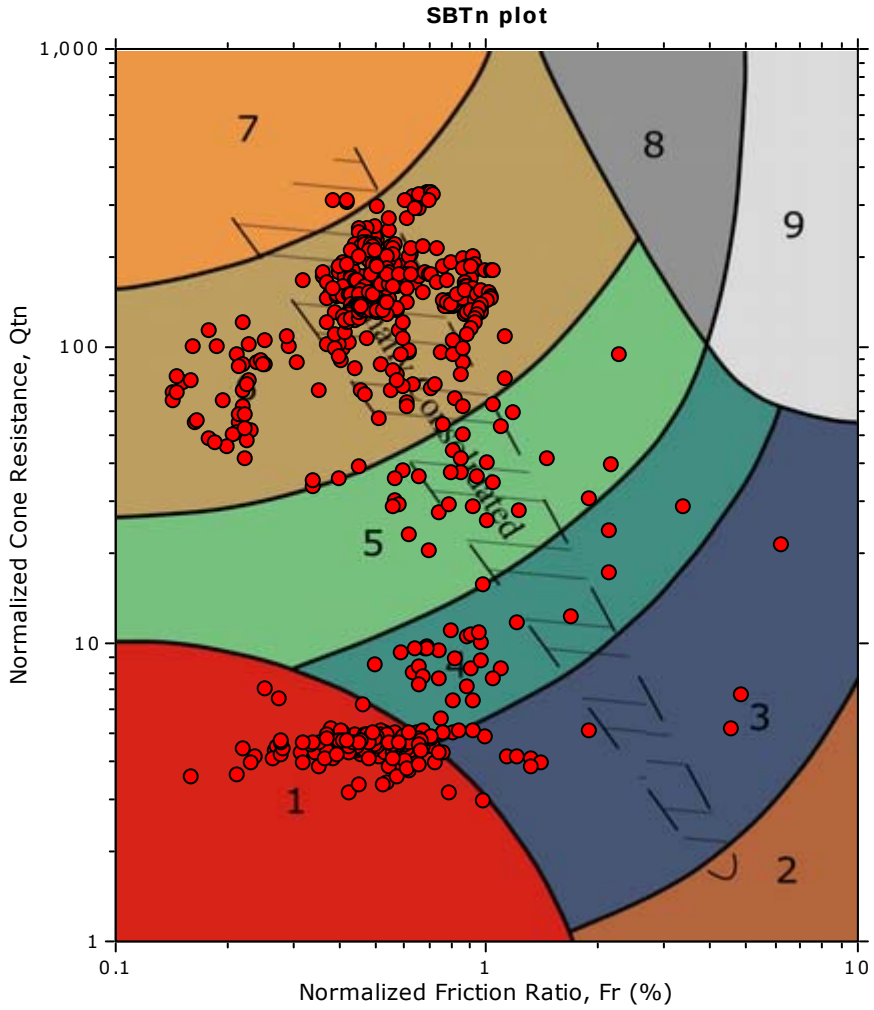
1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

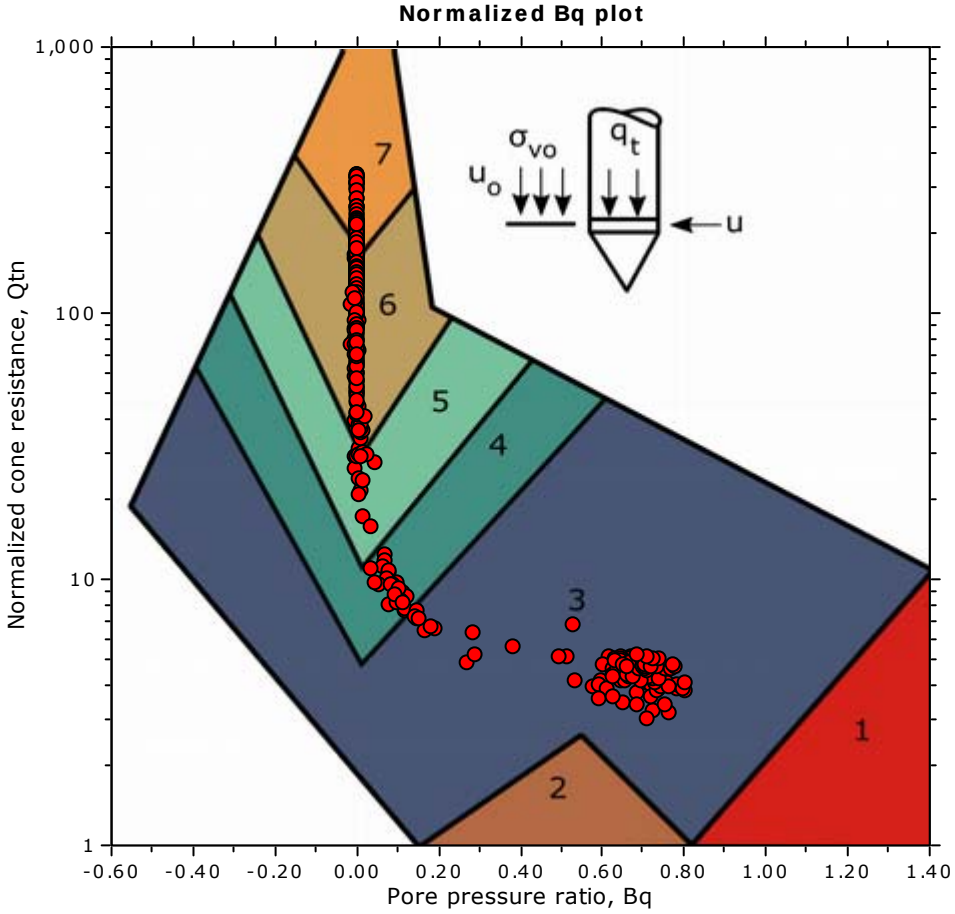
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-6
Total depth: 119.98 ft

SBT - Bq plots (normalized)





SBTn legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
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3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

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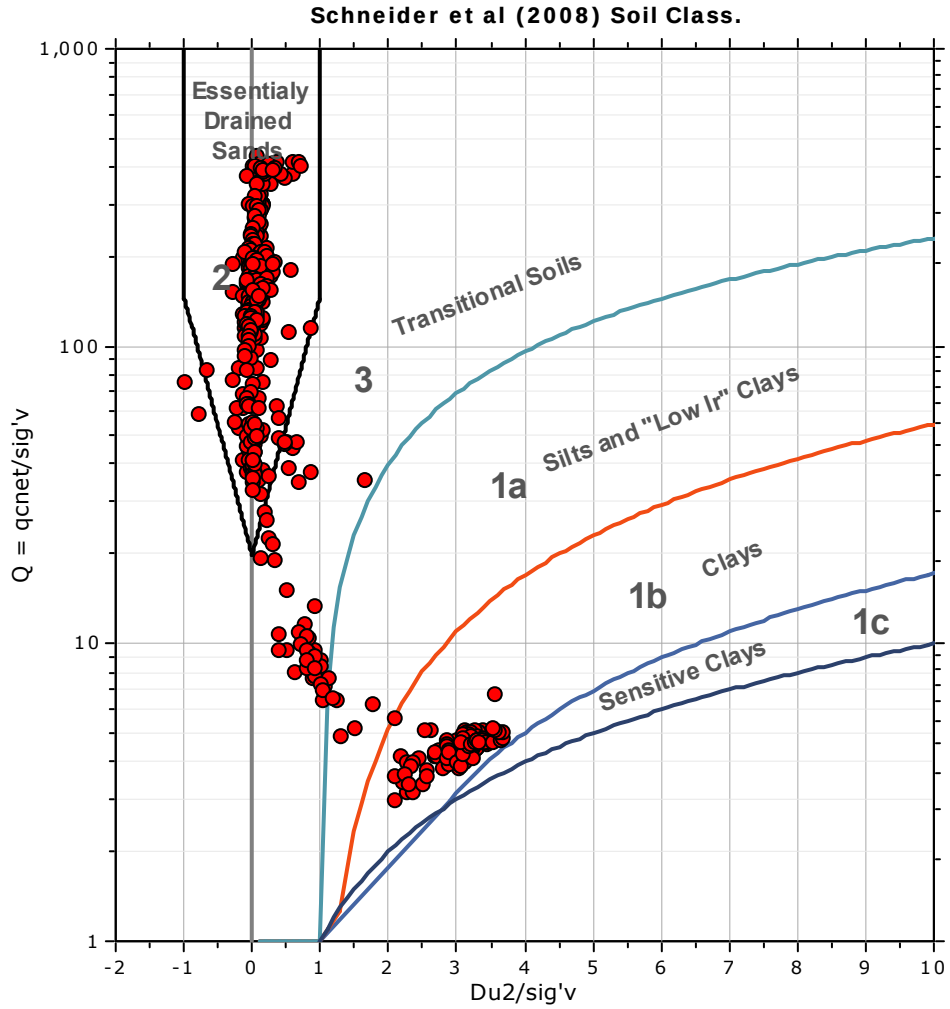
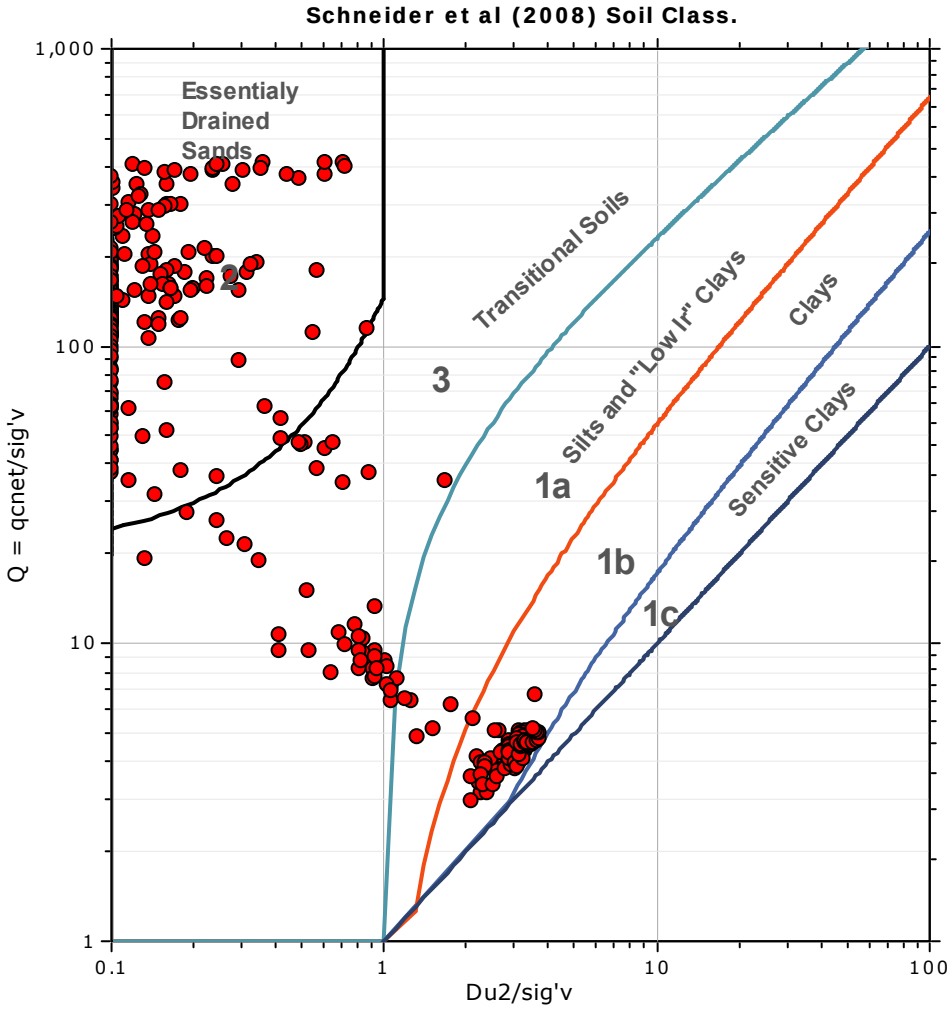
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-6
Total depth: 119.98 ft

Bq plots (Schneider)





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Mays Landing, NJ

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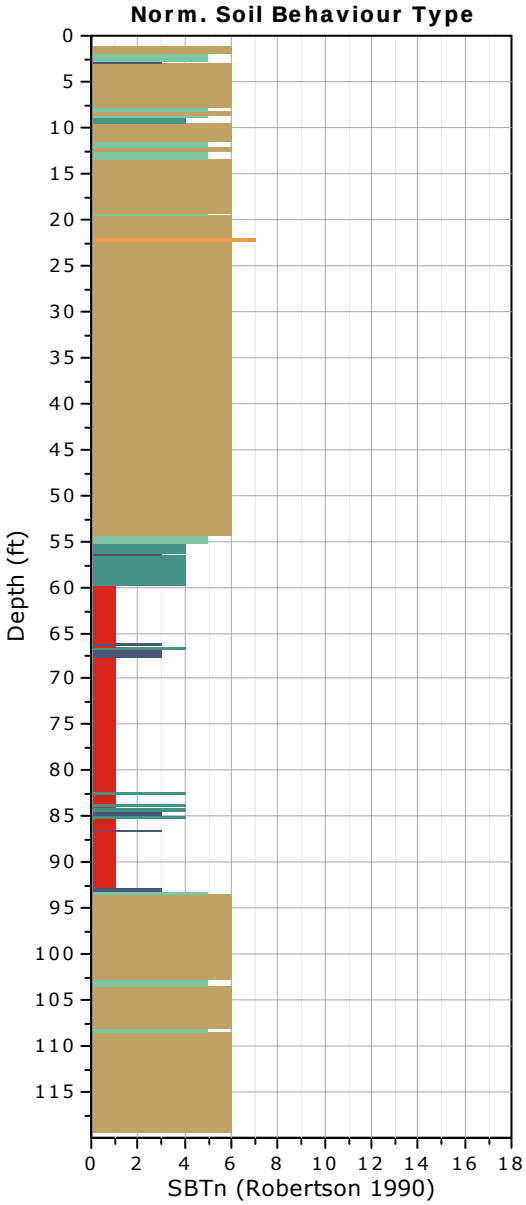

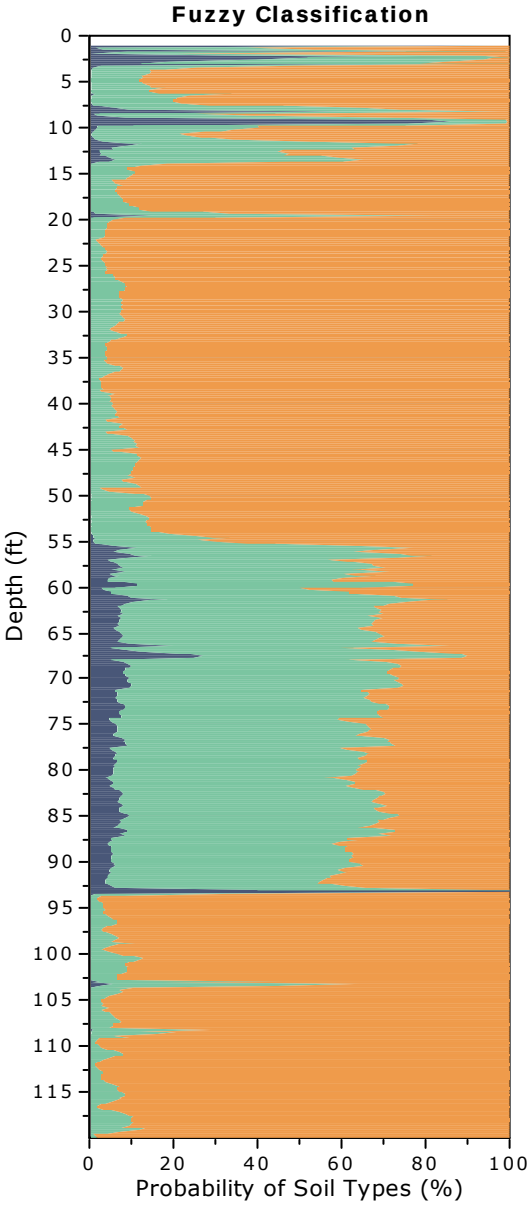

Fuzzy classifiaction legend

- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

Craig Geotechnical Drilling
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Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-6
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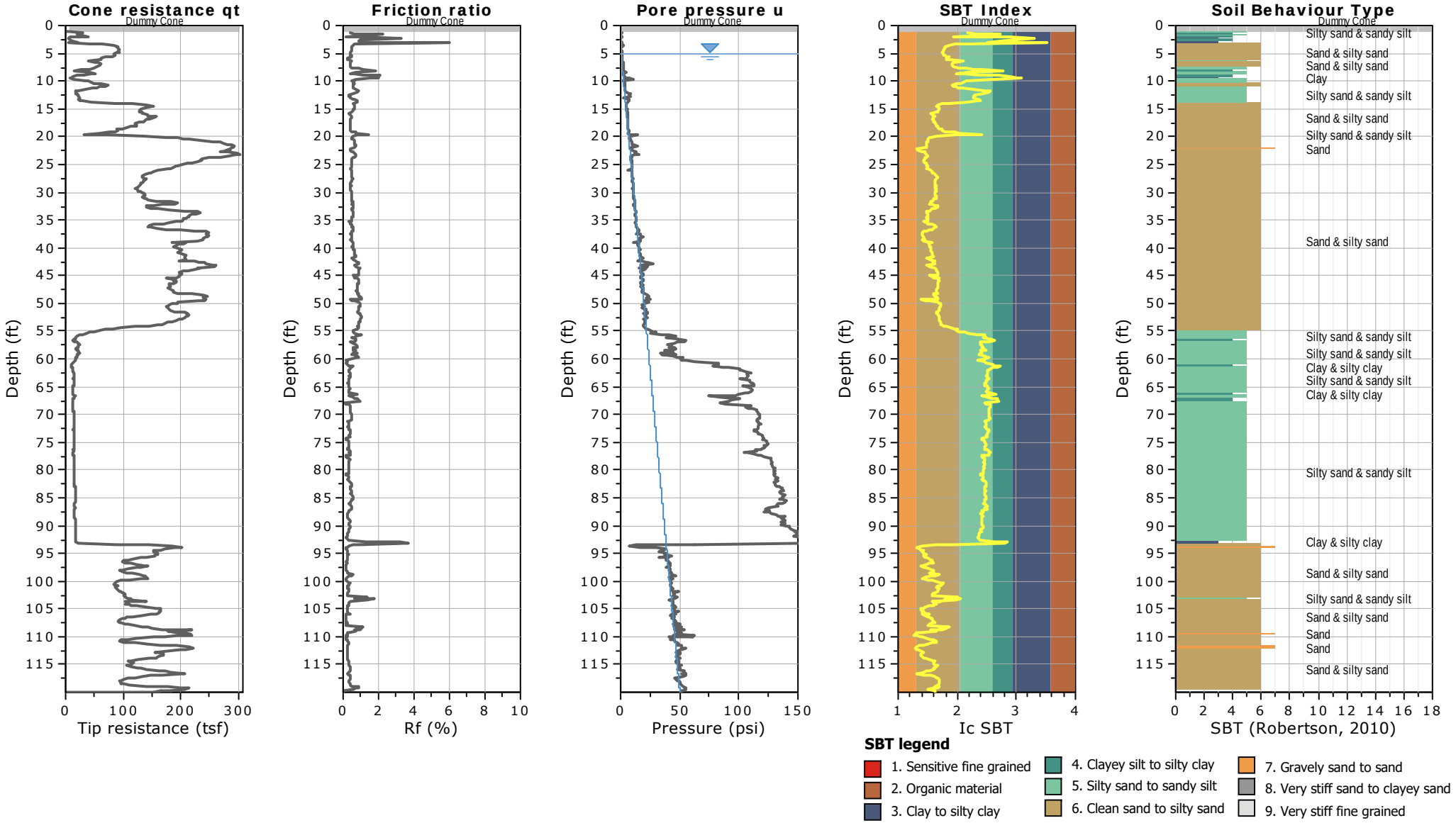

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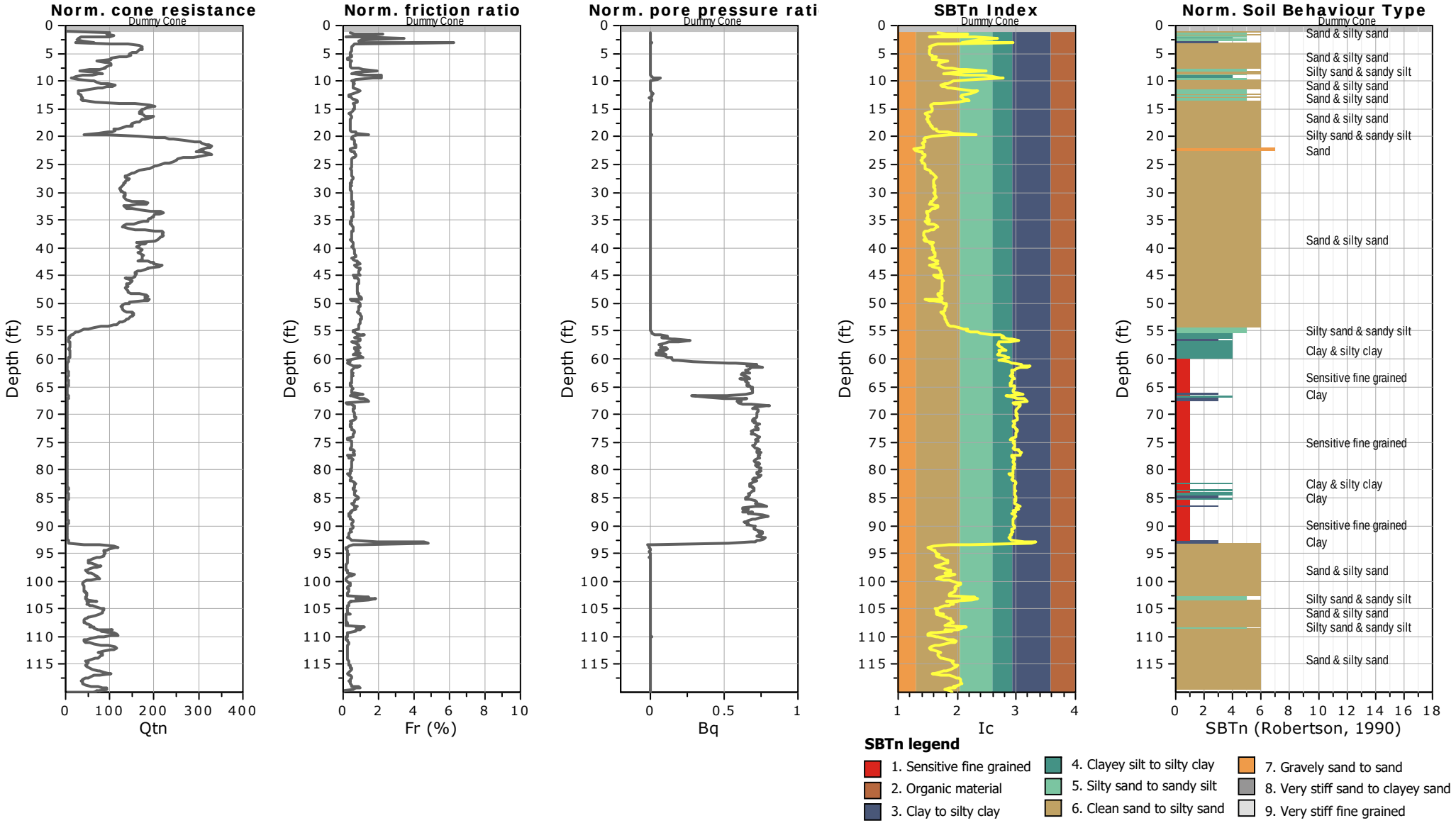

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CPT: CPT-6
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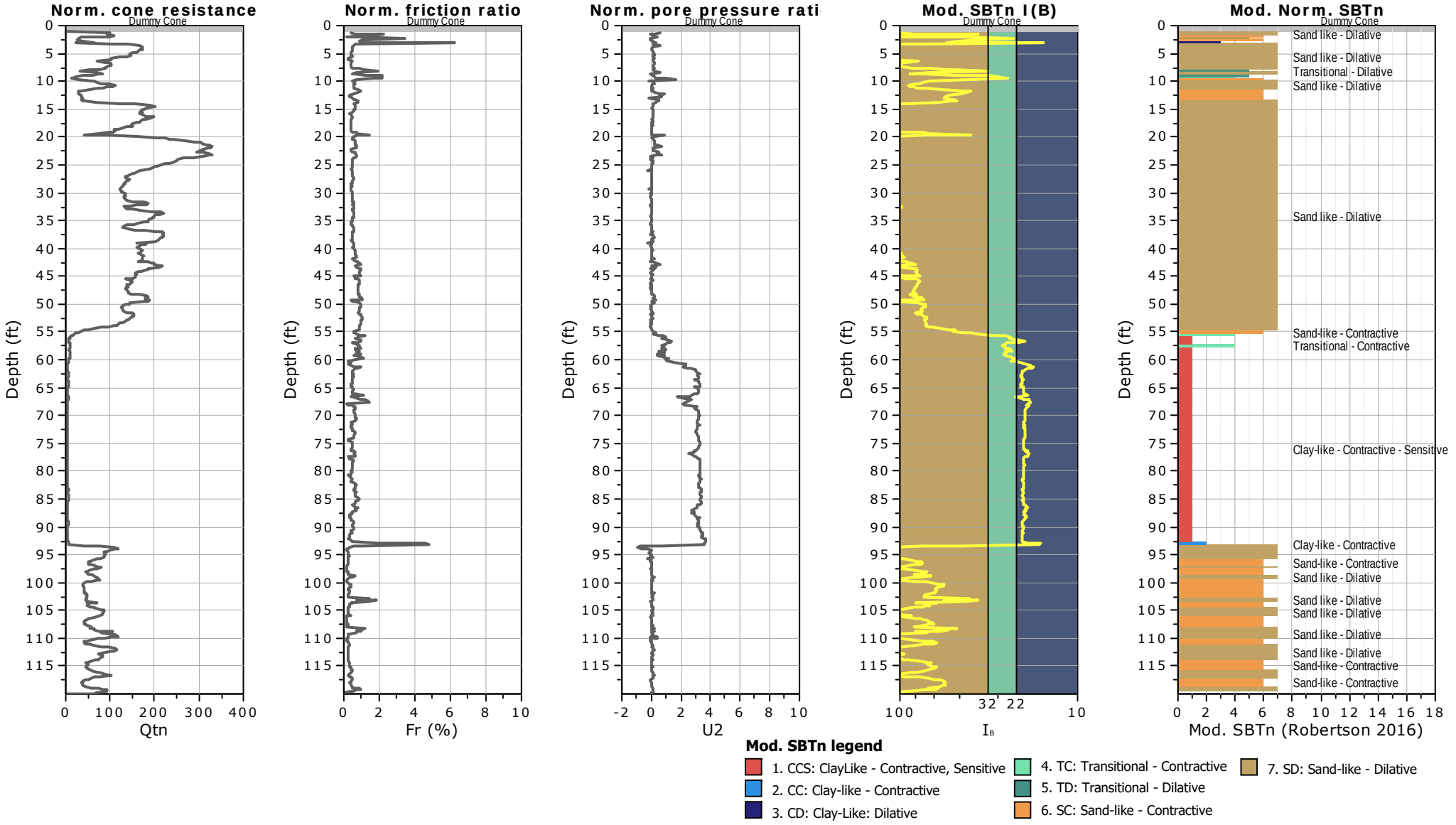

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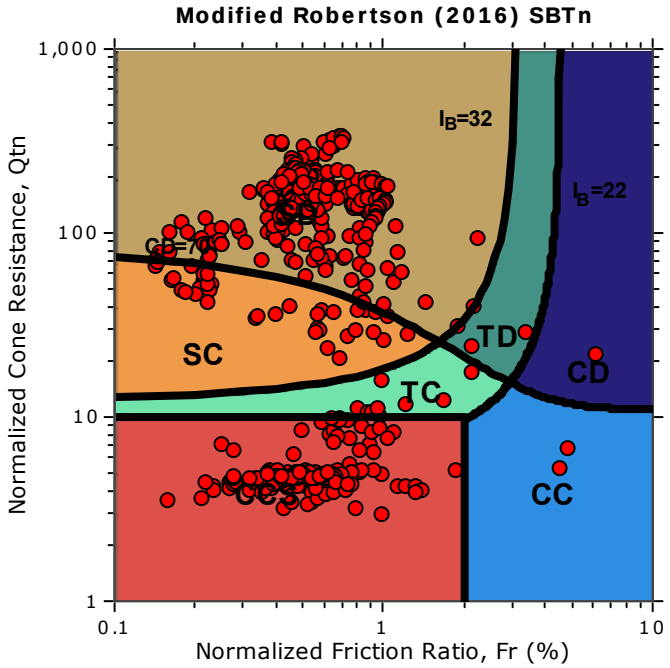
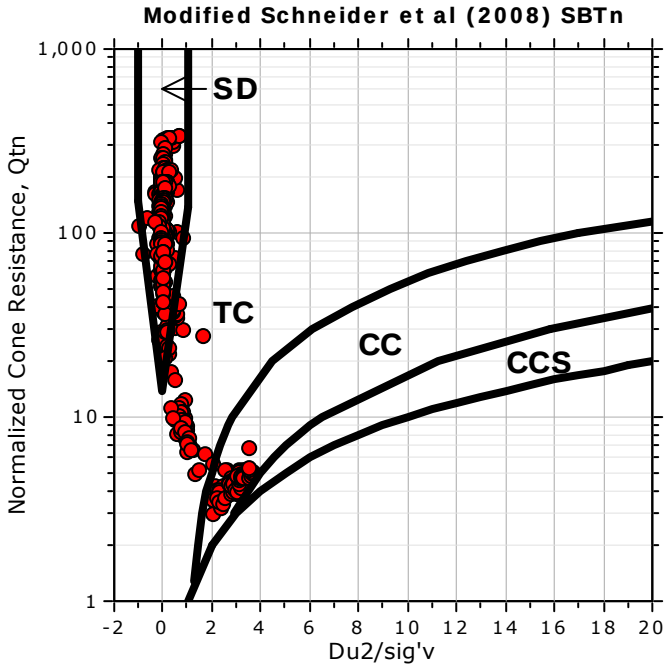
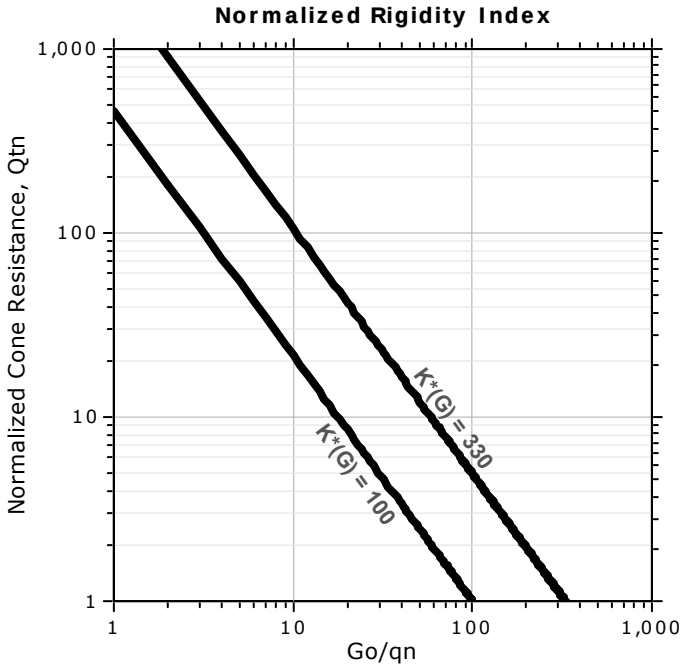
Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-6
Total depth: 119.98 ft

Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
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TD: Transitional - Dilative
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K(G) > 330: Soils with significant microstructure (e.g. age/cementation)

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Mays Landing, NJ

Project: **Mueser Rutledge**
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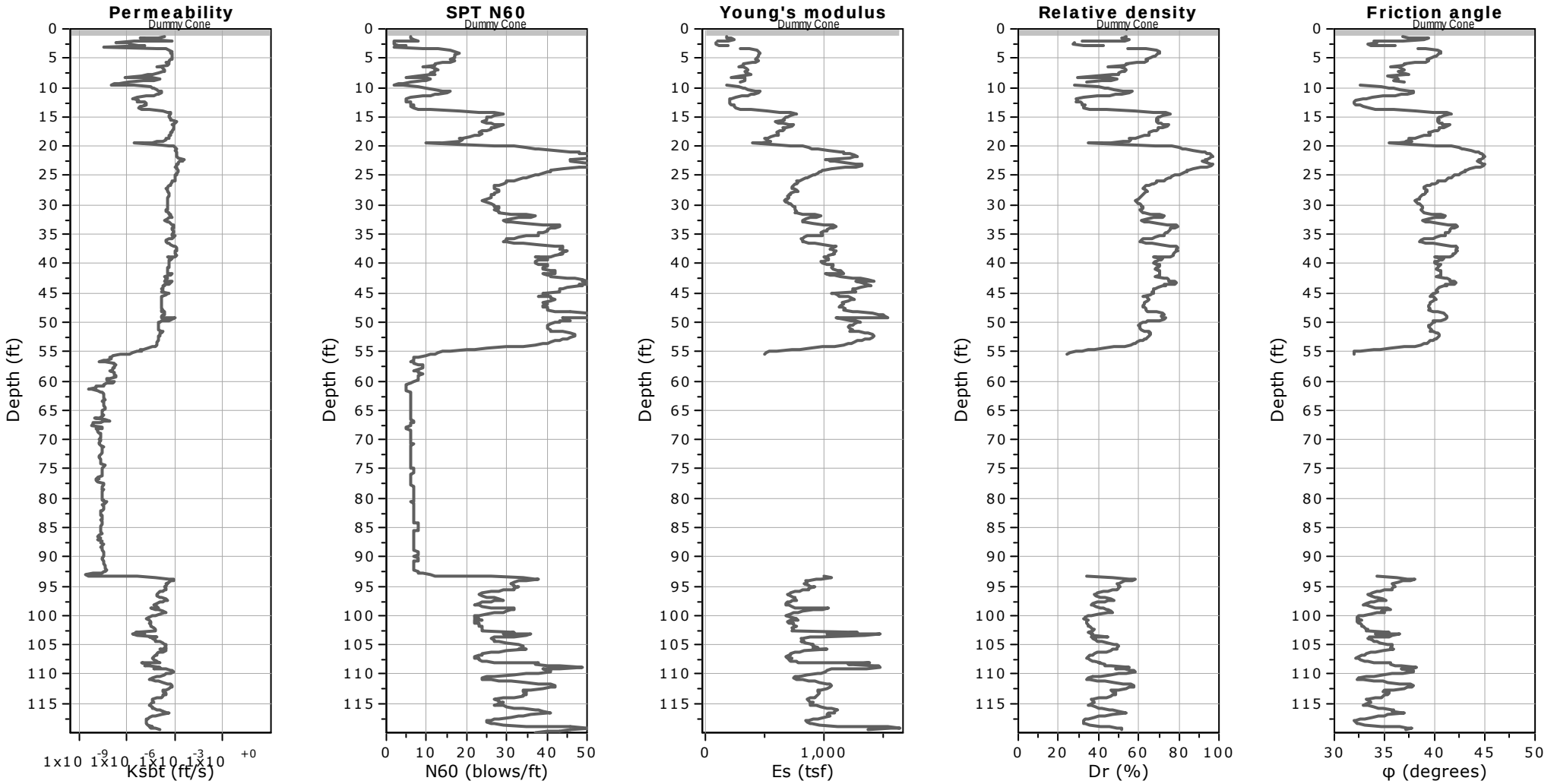

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
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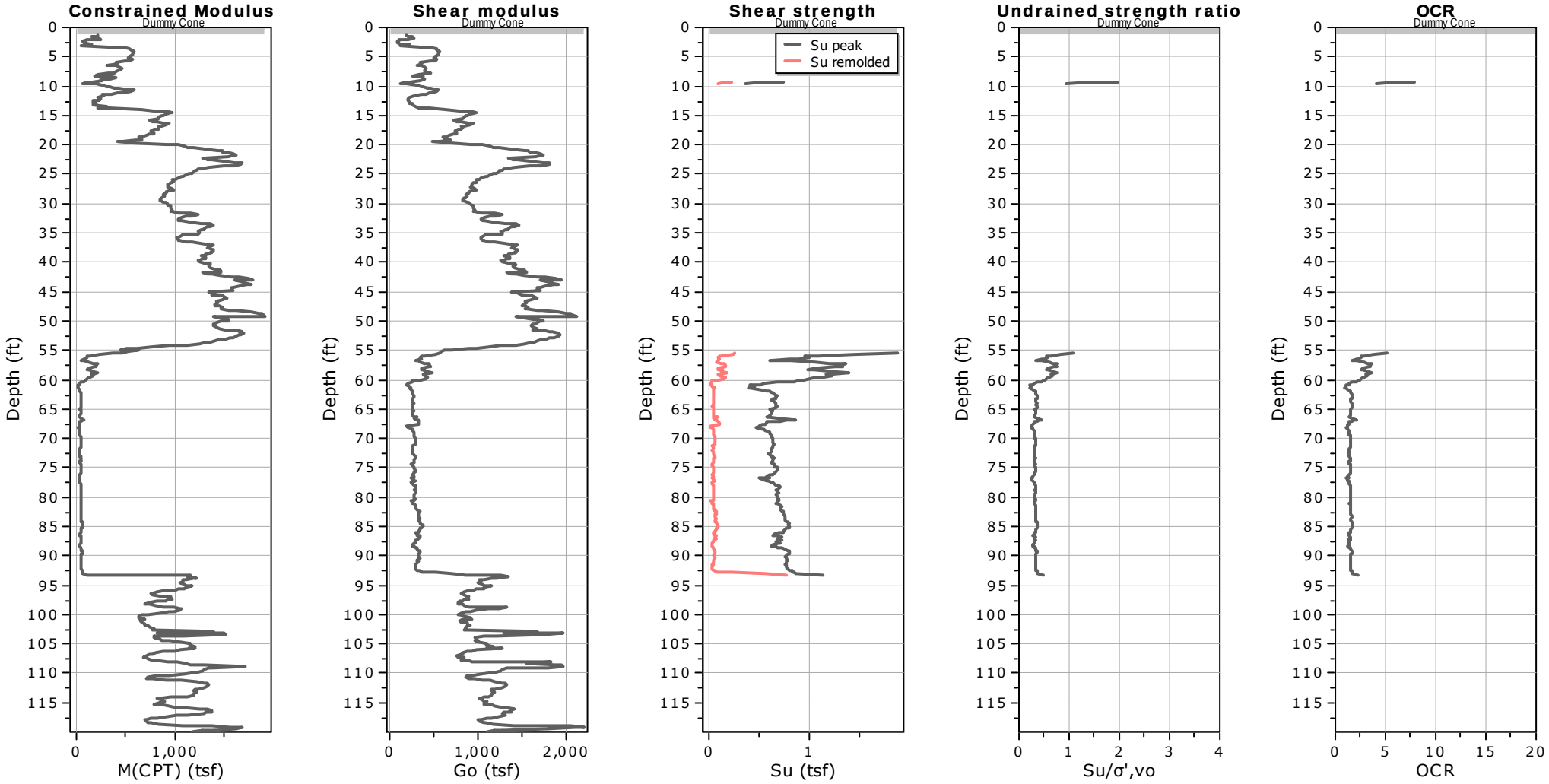
Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-6
Total depth: 119.98 ft



Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 14
OCR factor for clays, N_{kt}: 0.33
Flat Dilatometer Test data

Craig Geotechnical Drilling
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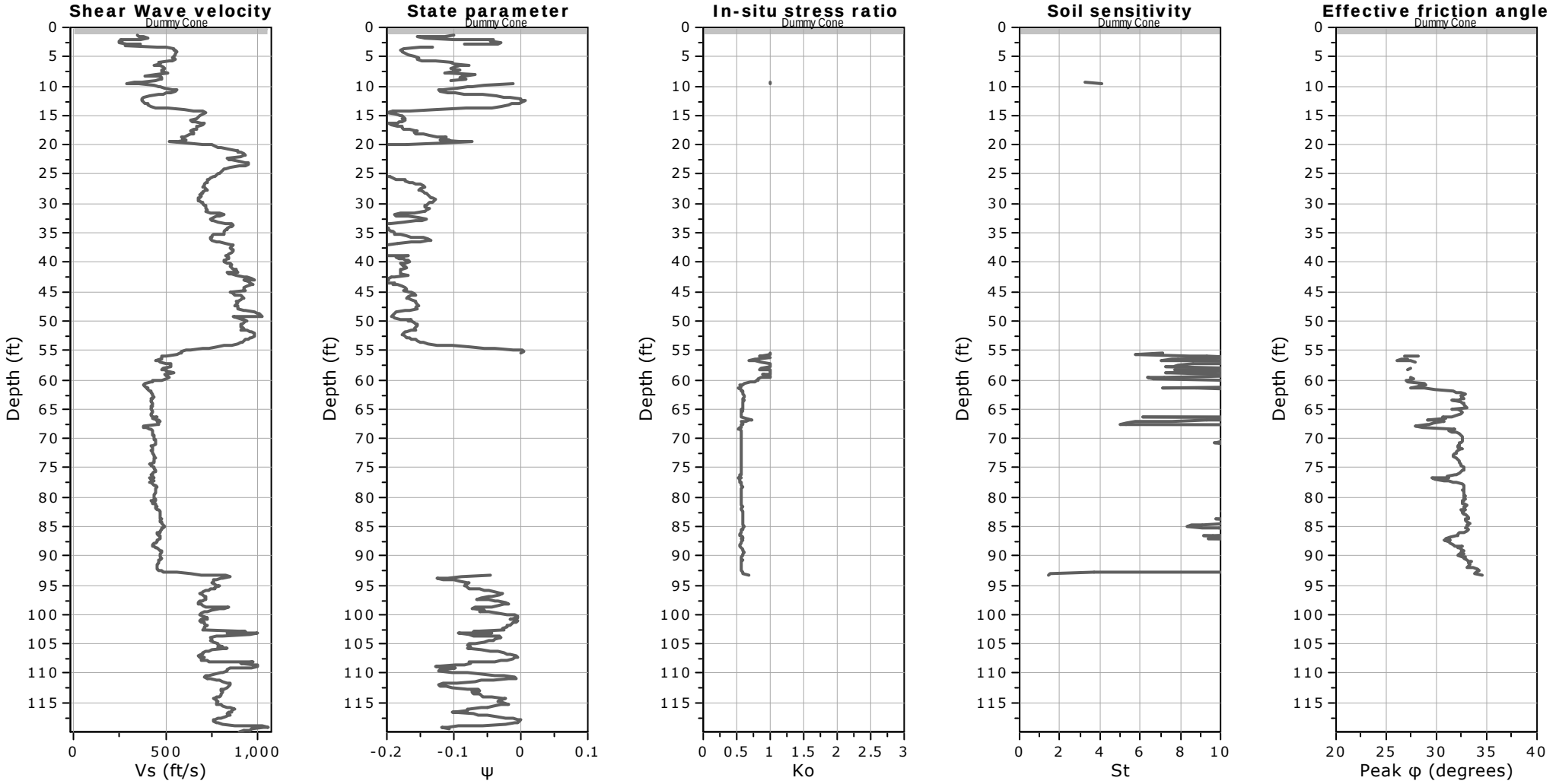
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-6
Total depth: 119.98 ft



Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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Mays Landing, NJ

Project: **Mueser Rutledge**
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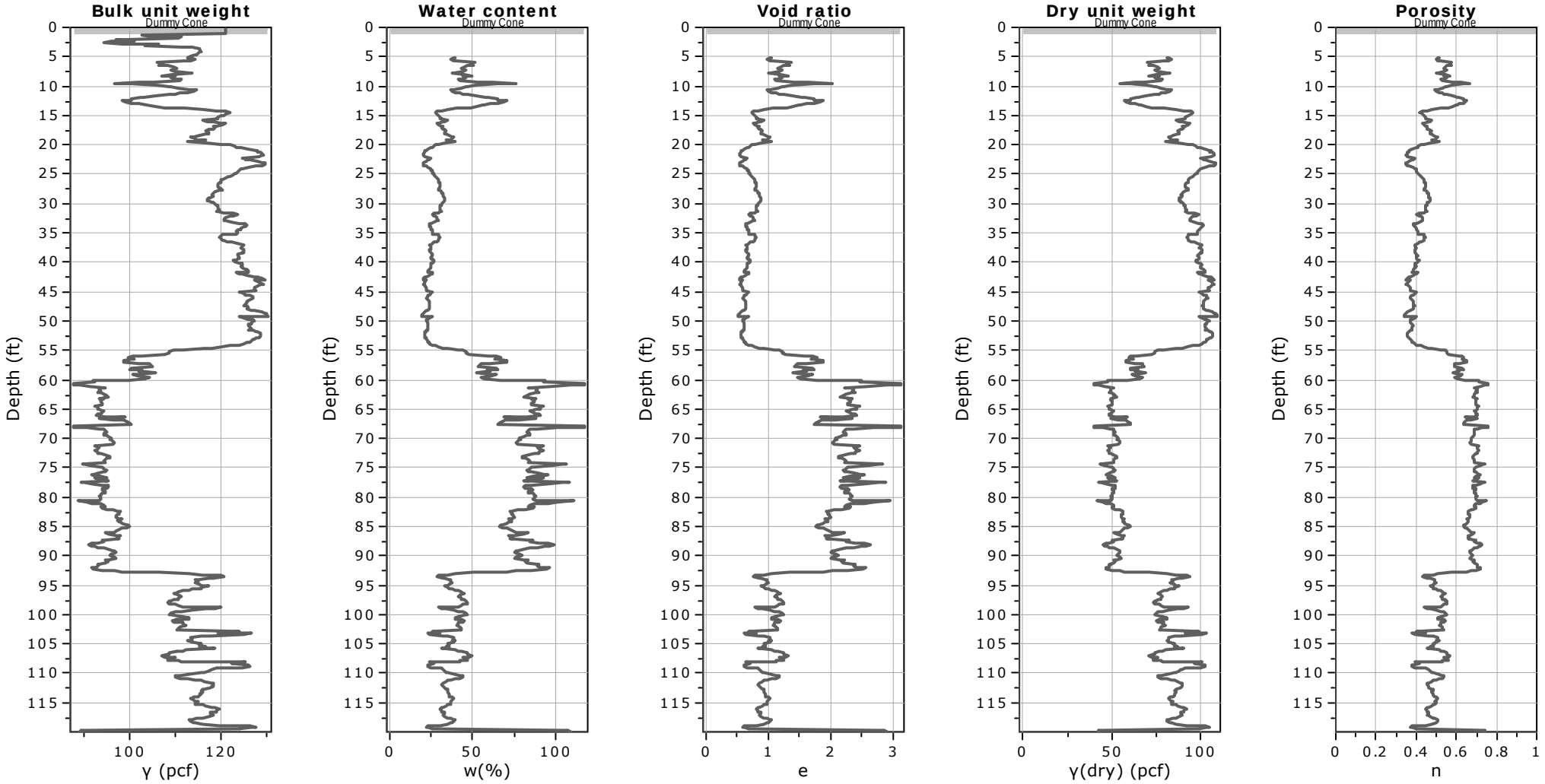
CPT: CPT-6
Total depth: 119.98 ft



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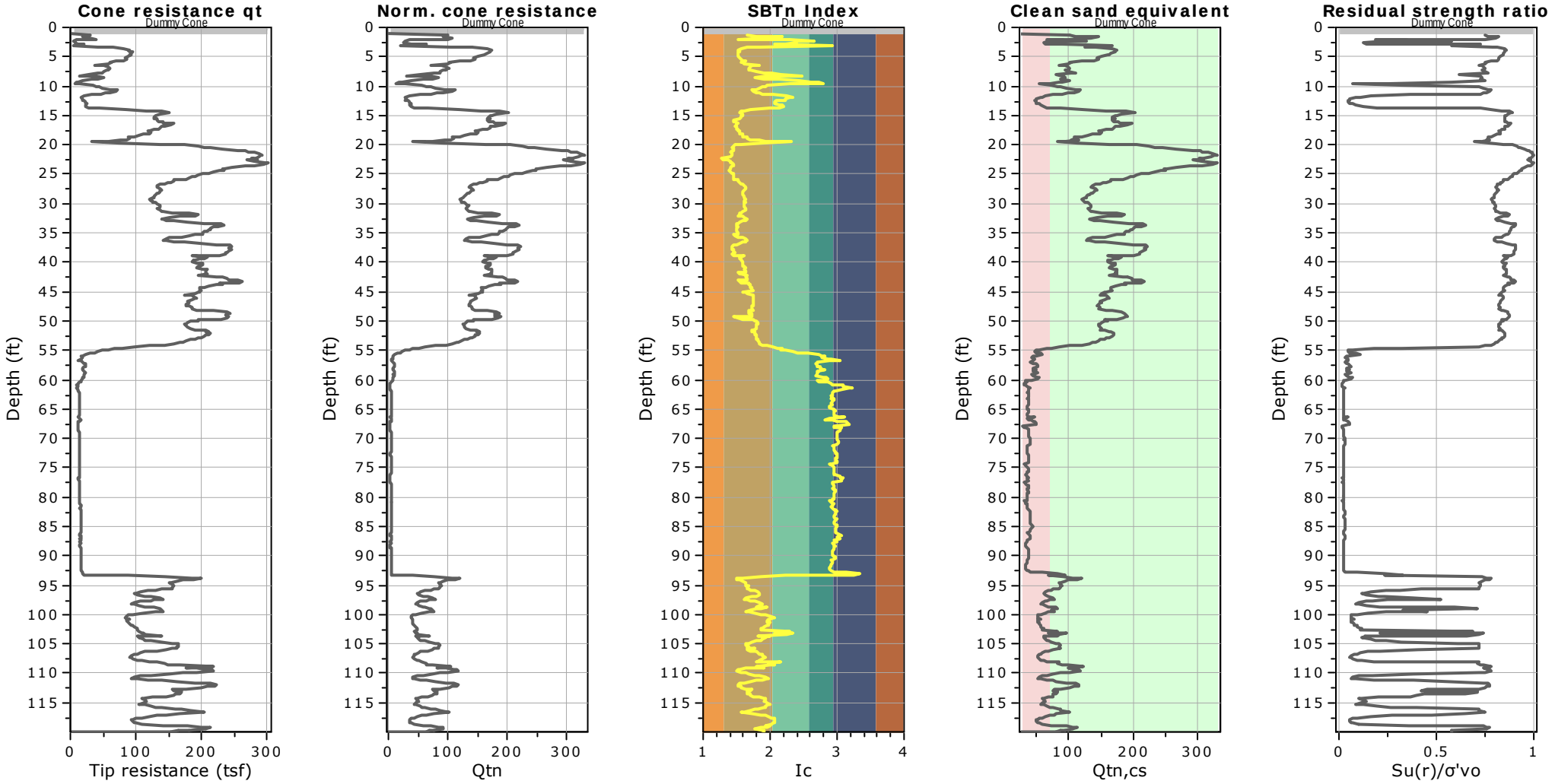
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

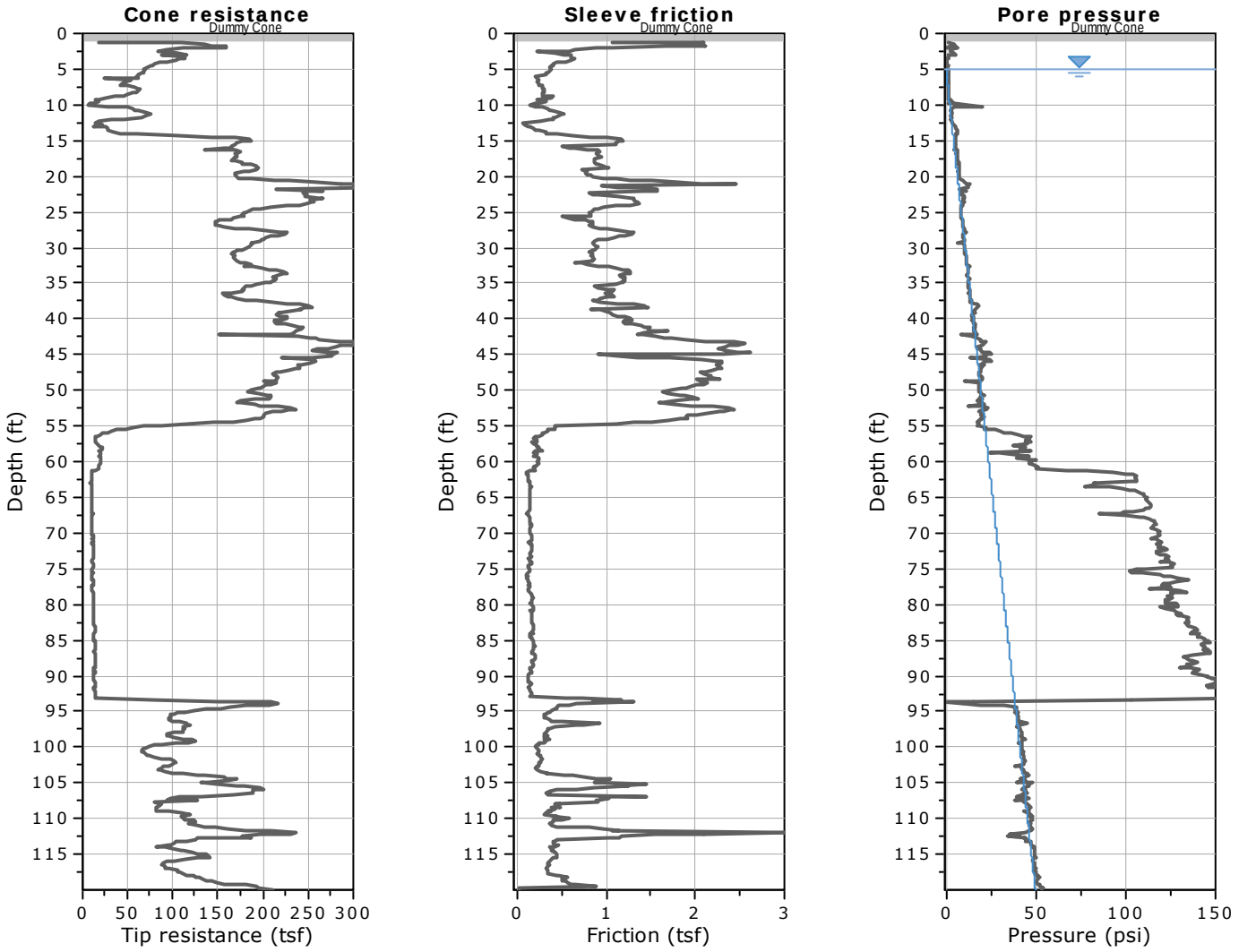
CPT: CPT-6
Total depth: 119.98 ft



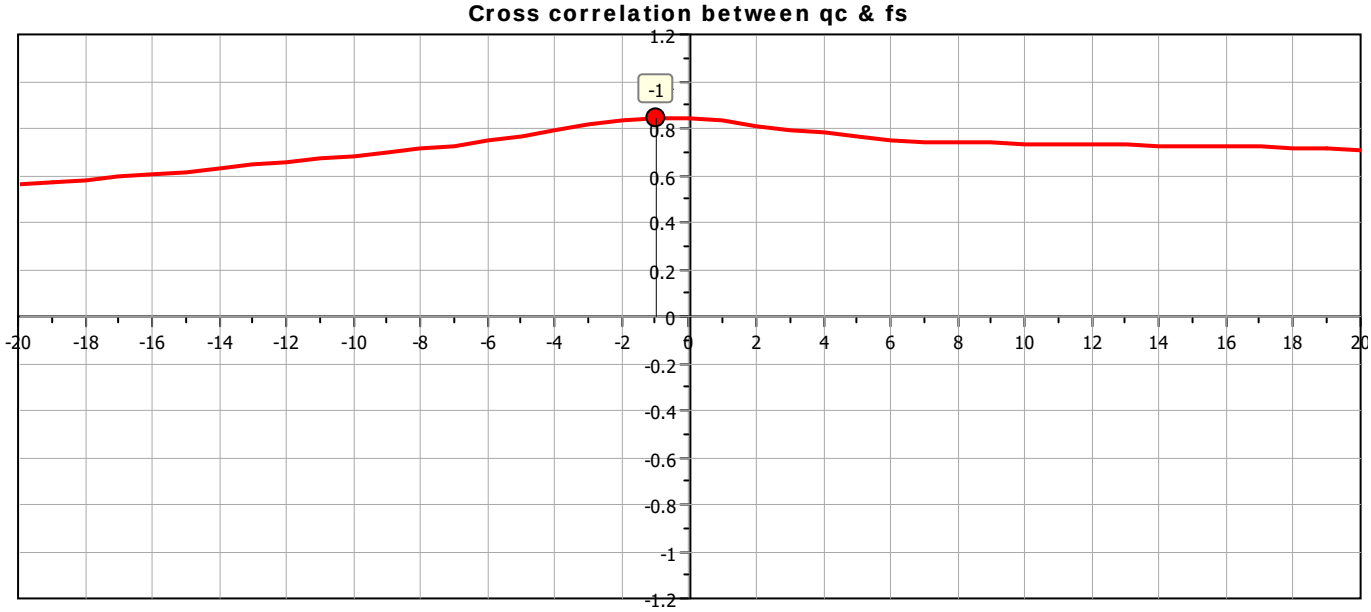
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-7
Total depth: 119.98 ft



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).

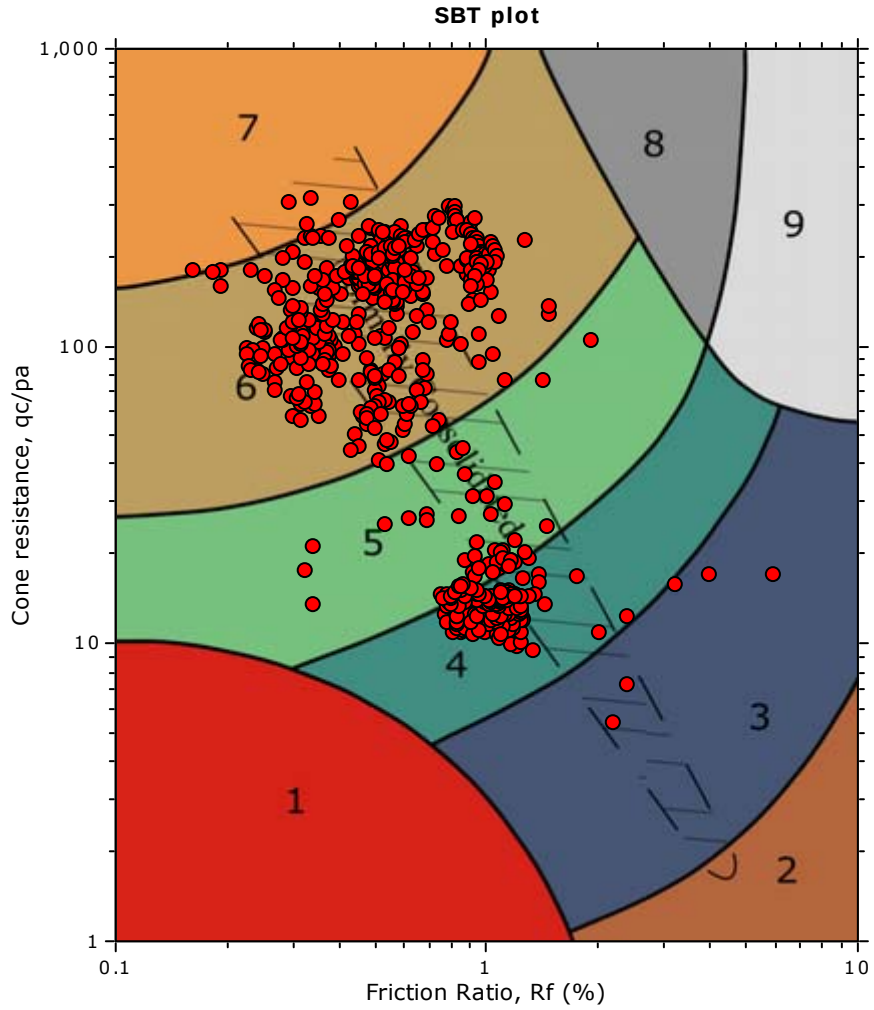


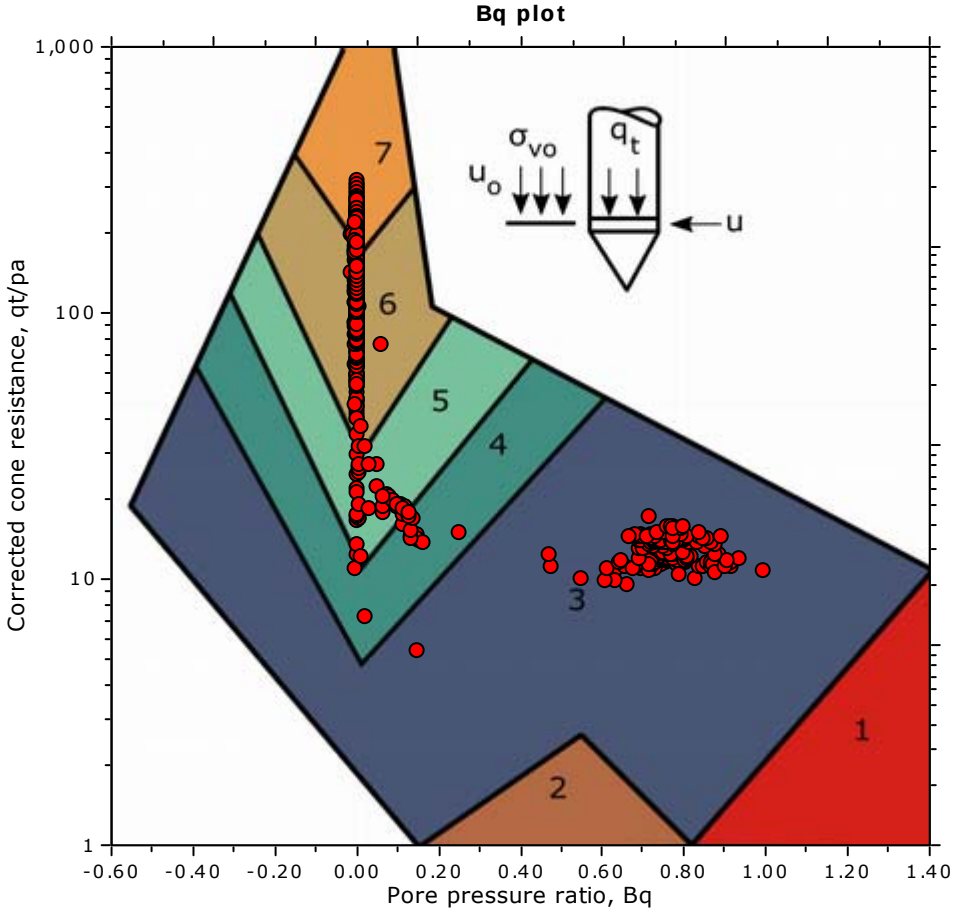
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-7
Total depth: 119.98 ft

SBT - Bq plots





SBT legend

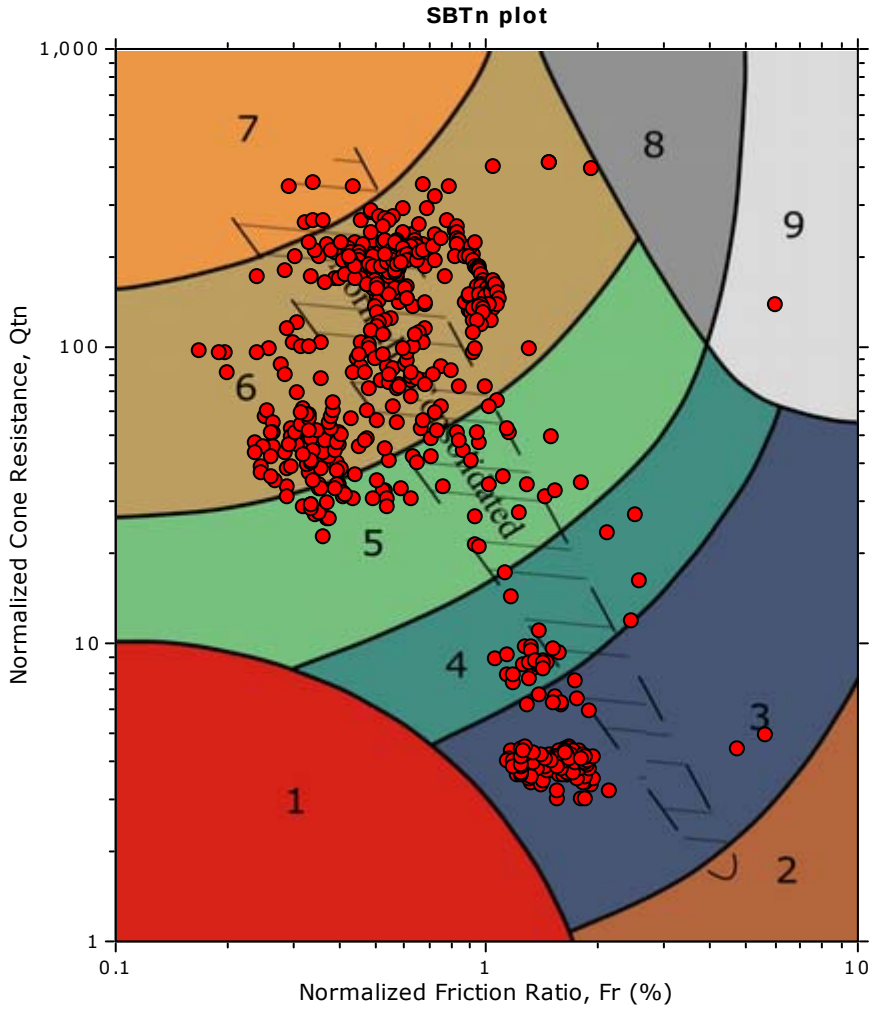
1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

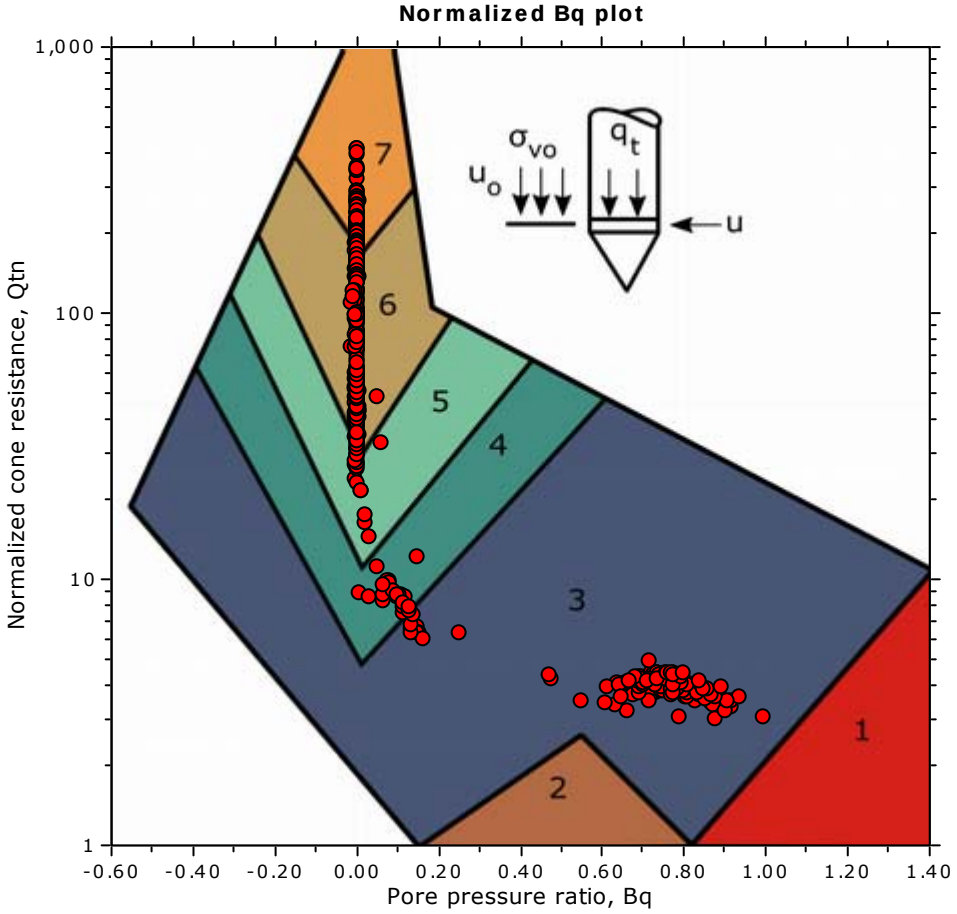
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-7
Total depth: 119.98 ft

SBT - Bq plots (normalized)





SBTn legend

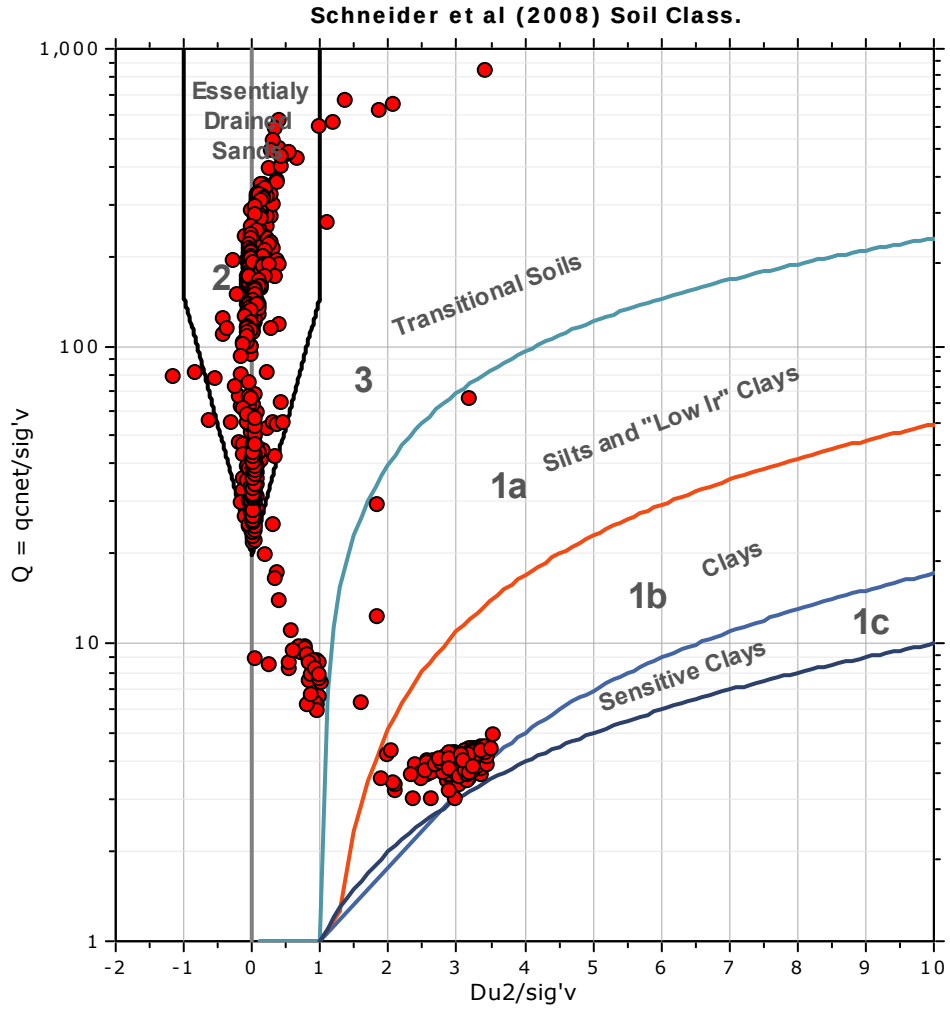
1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

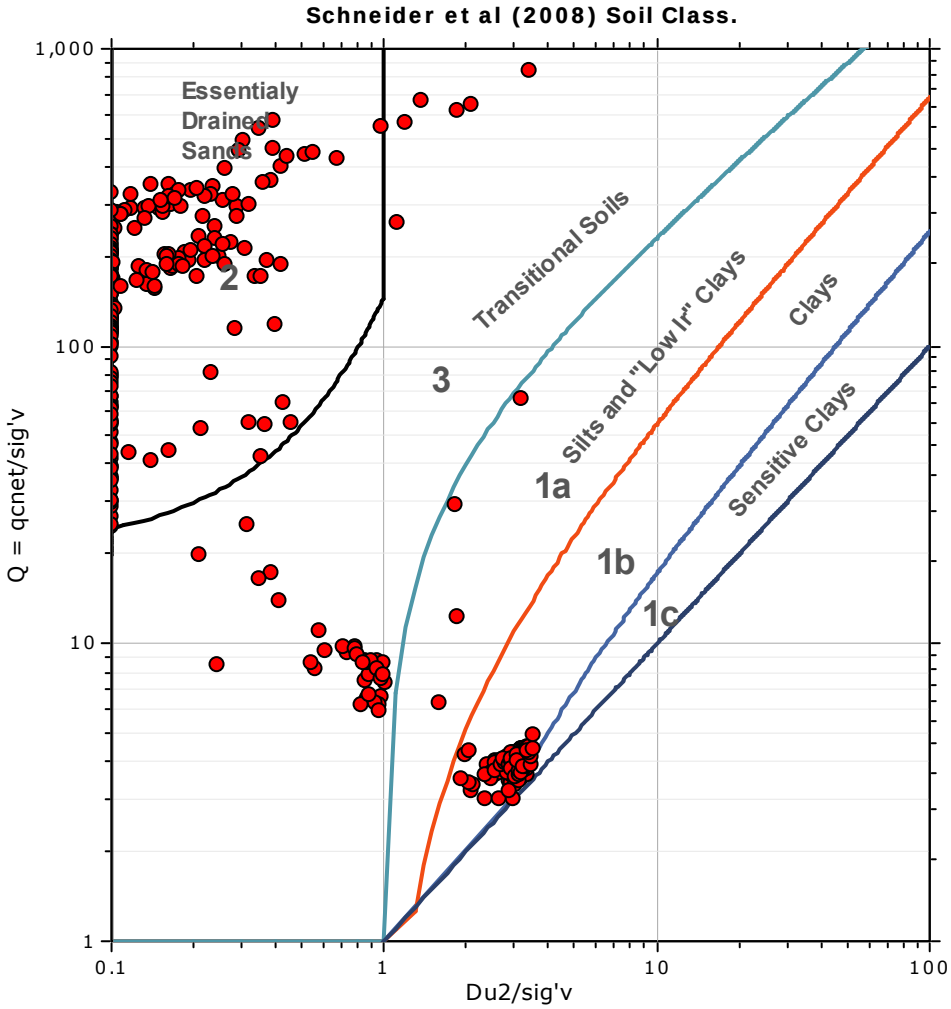
Craig Geotechnical Drilling
5230 Atlantic Ave
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-7
Total depth: 119.98 ft

Bq plots (Schneider)





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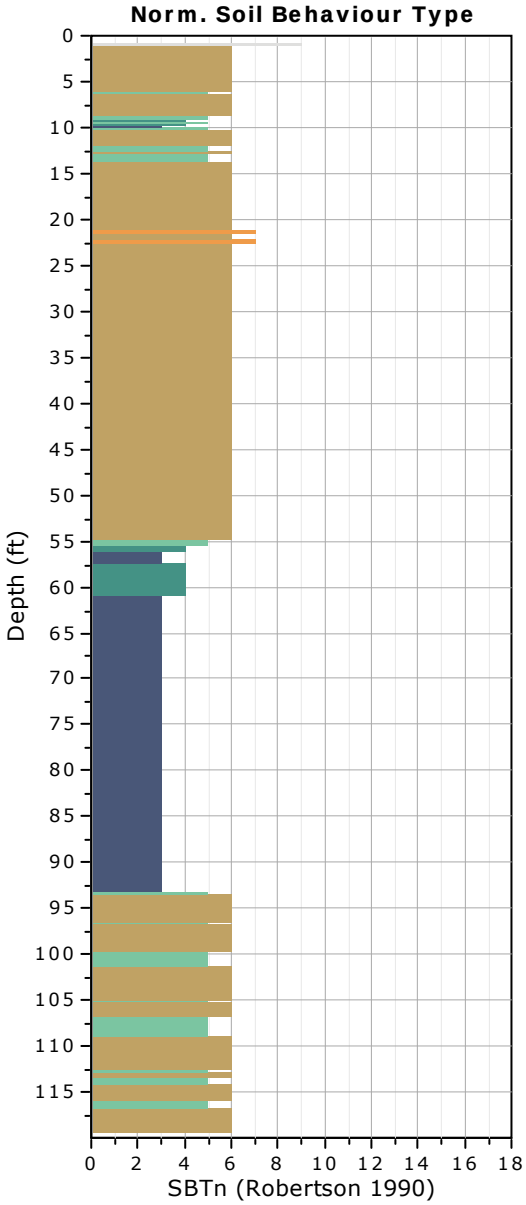

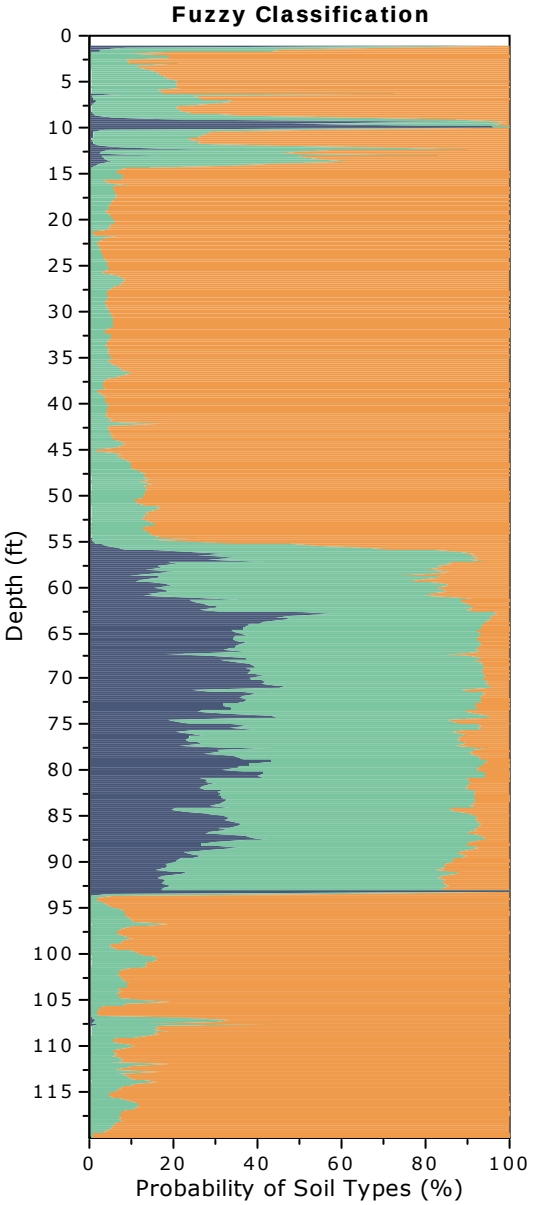

Fuzzy classifiaction legend

- Highly probable clayey soil
- Highly probable mixture soil
- Highly probable sandy soil

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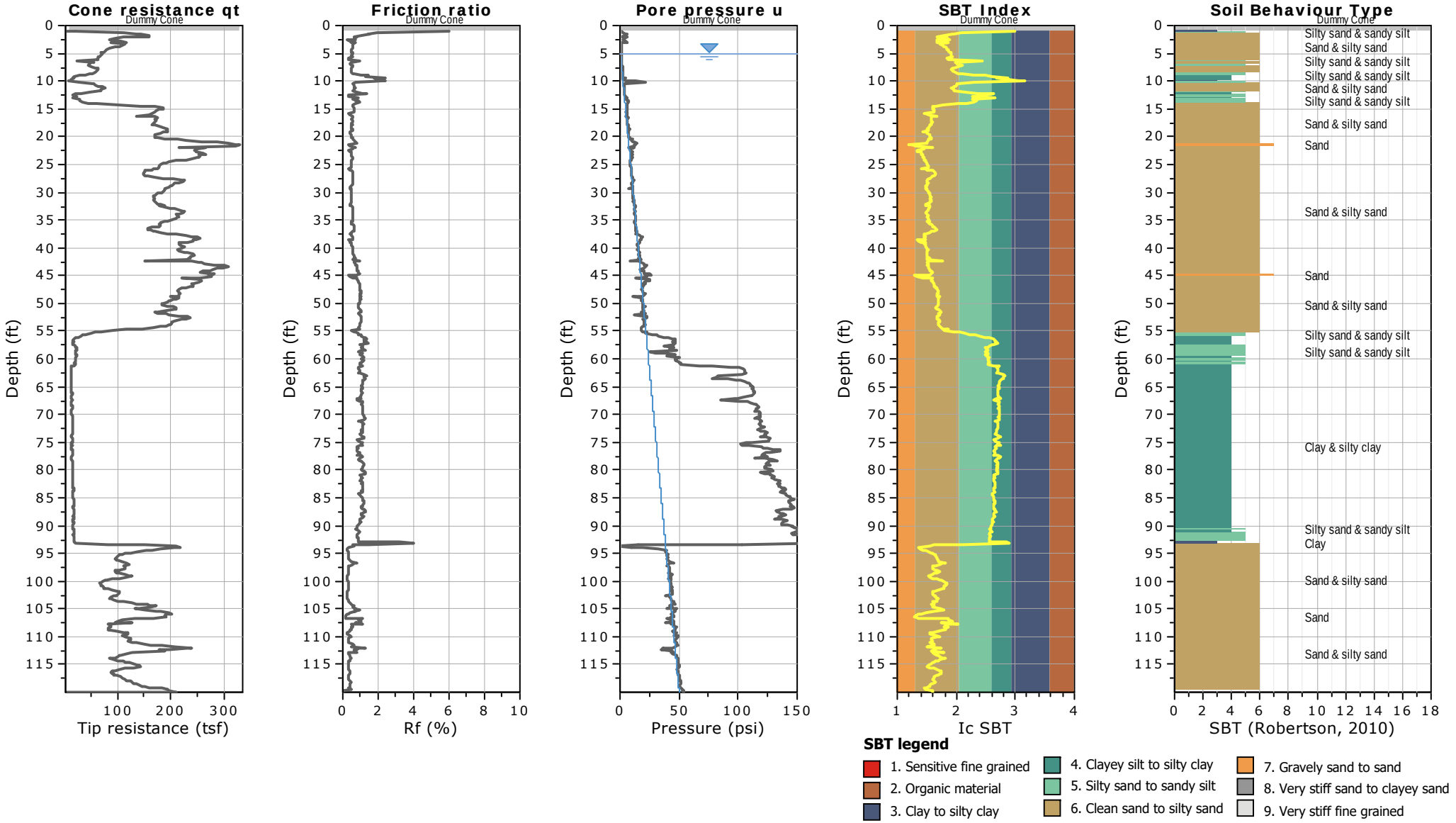

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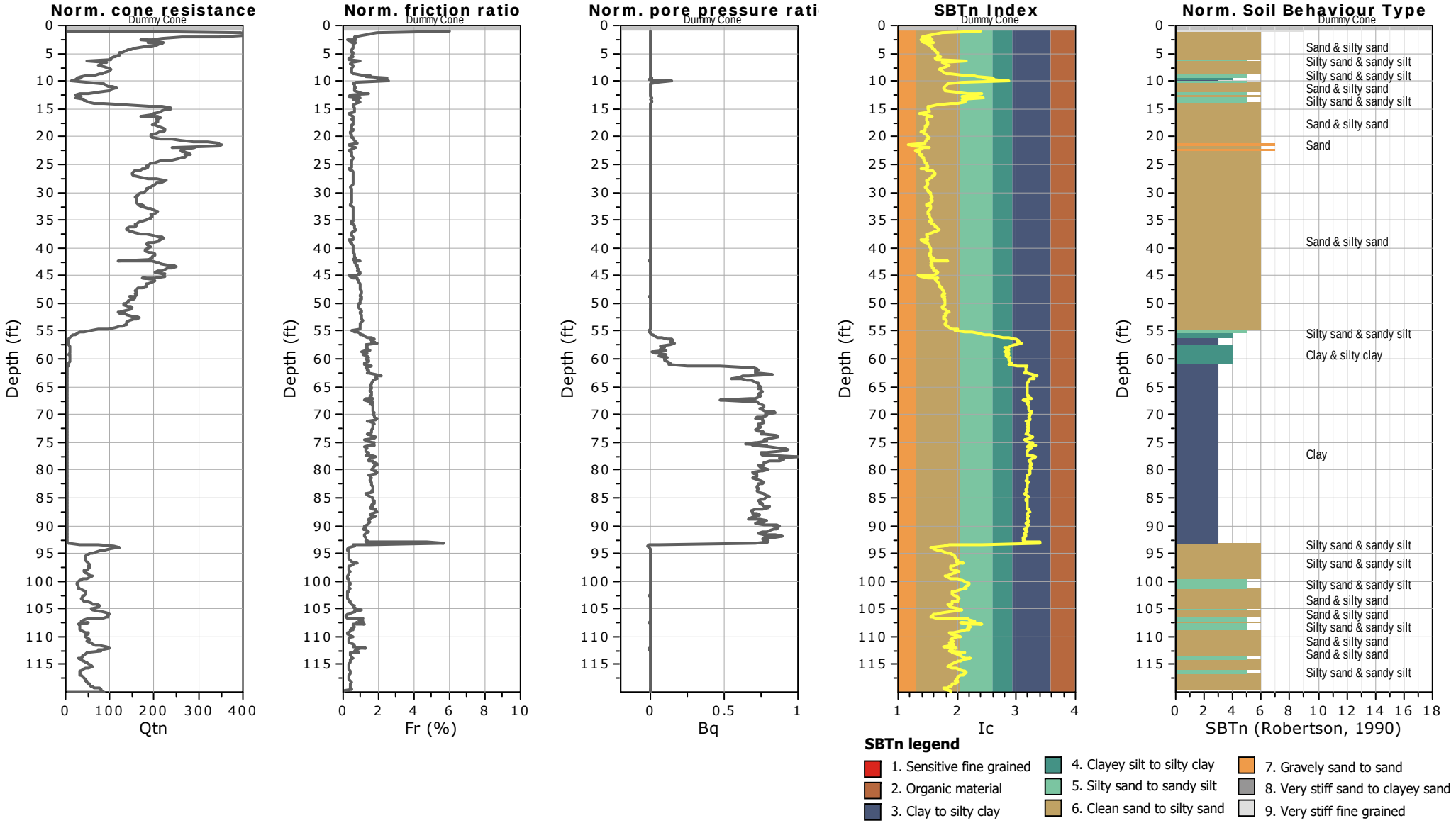

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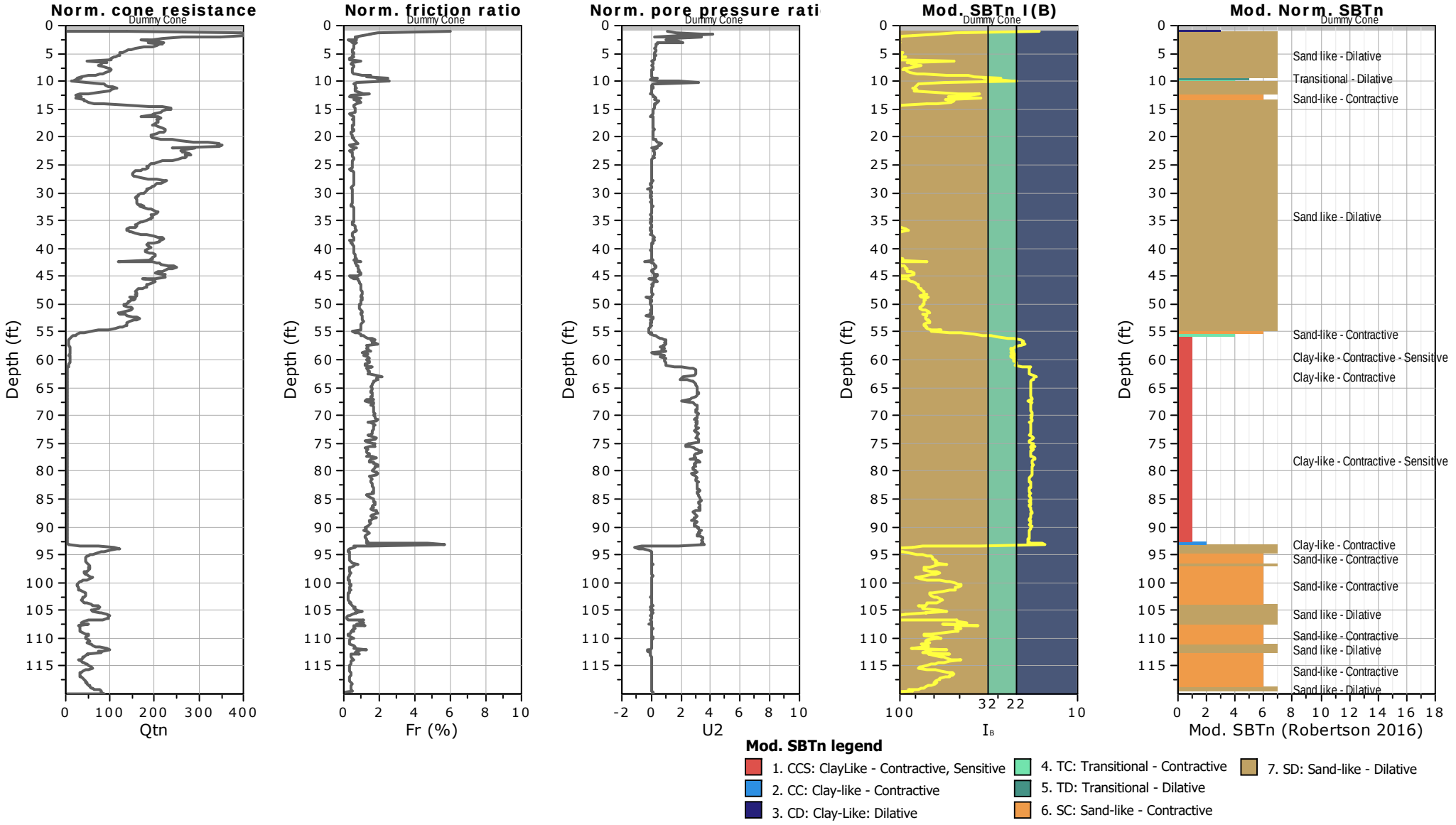

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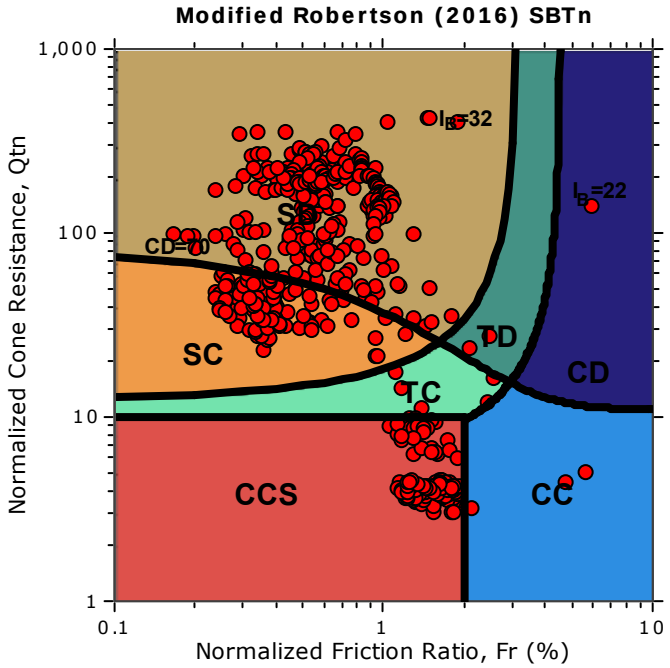
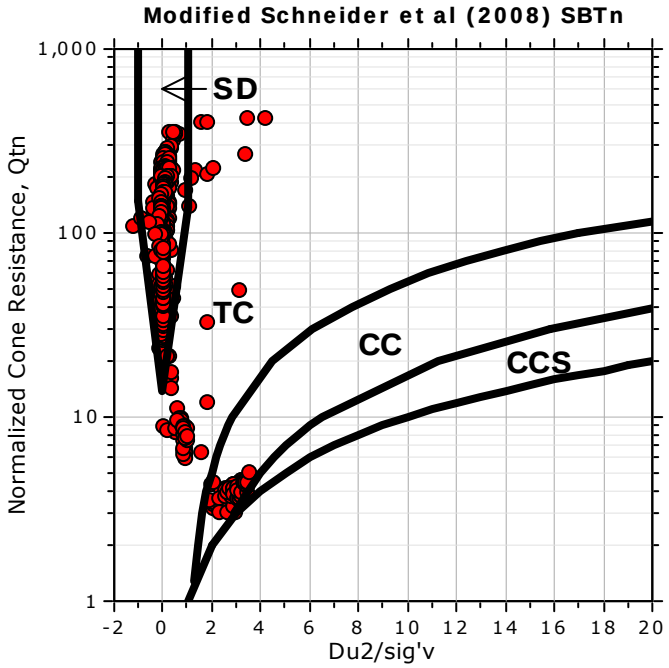
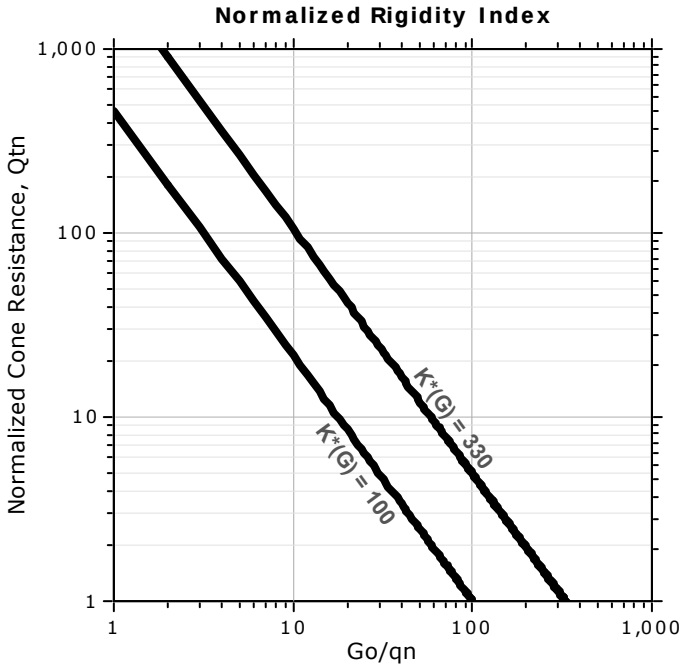
Updated SBTn plots







CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
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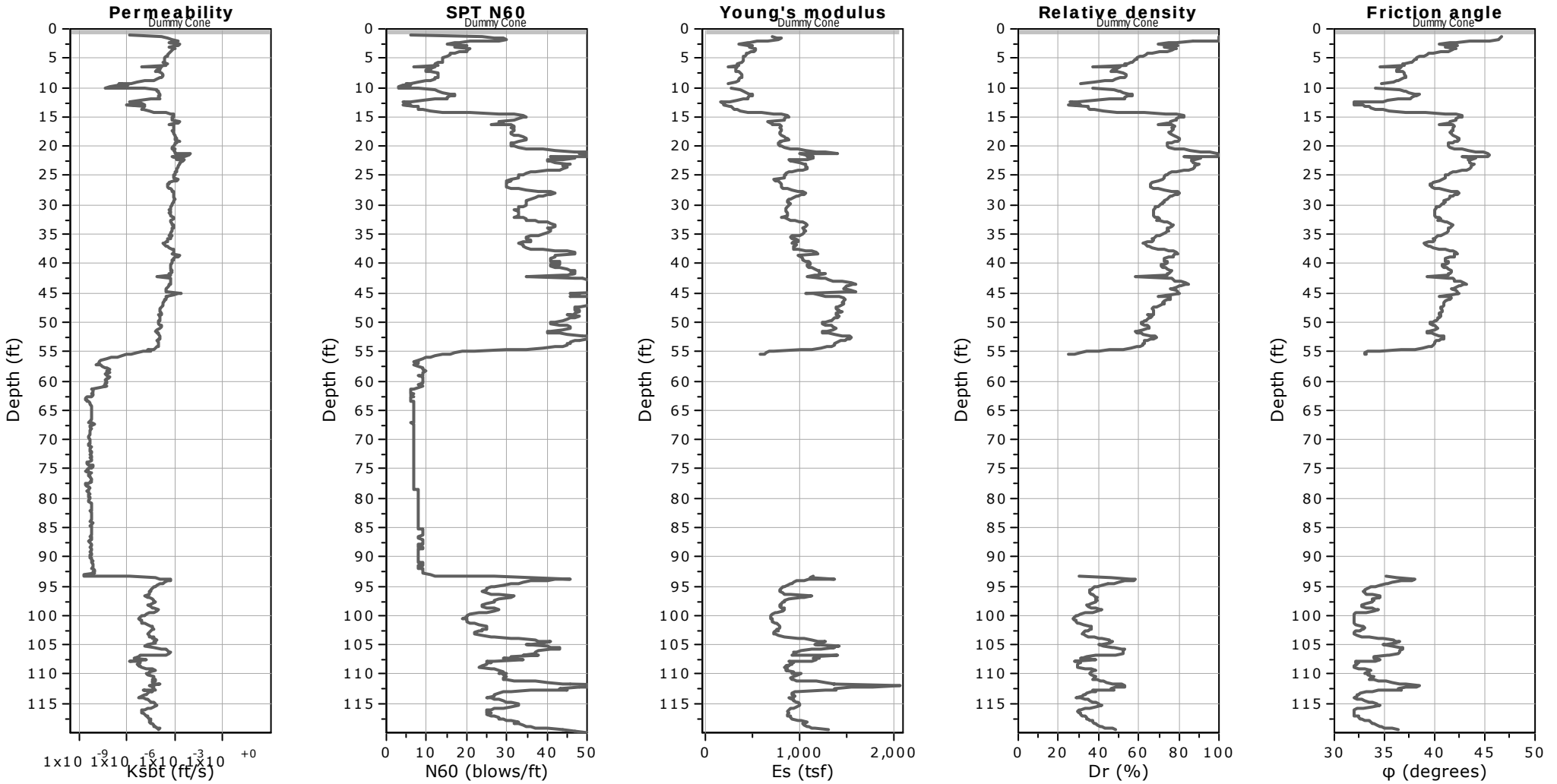

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
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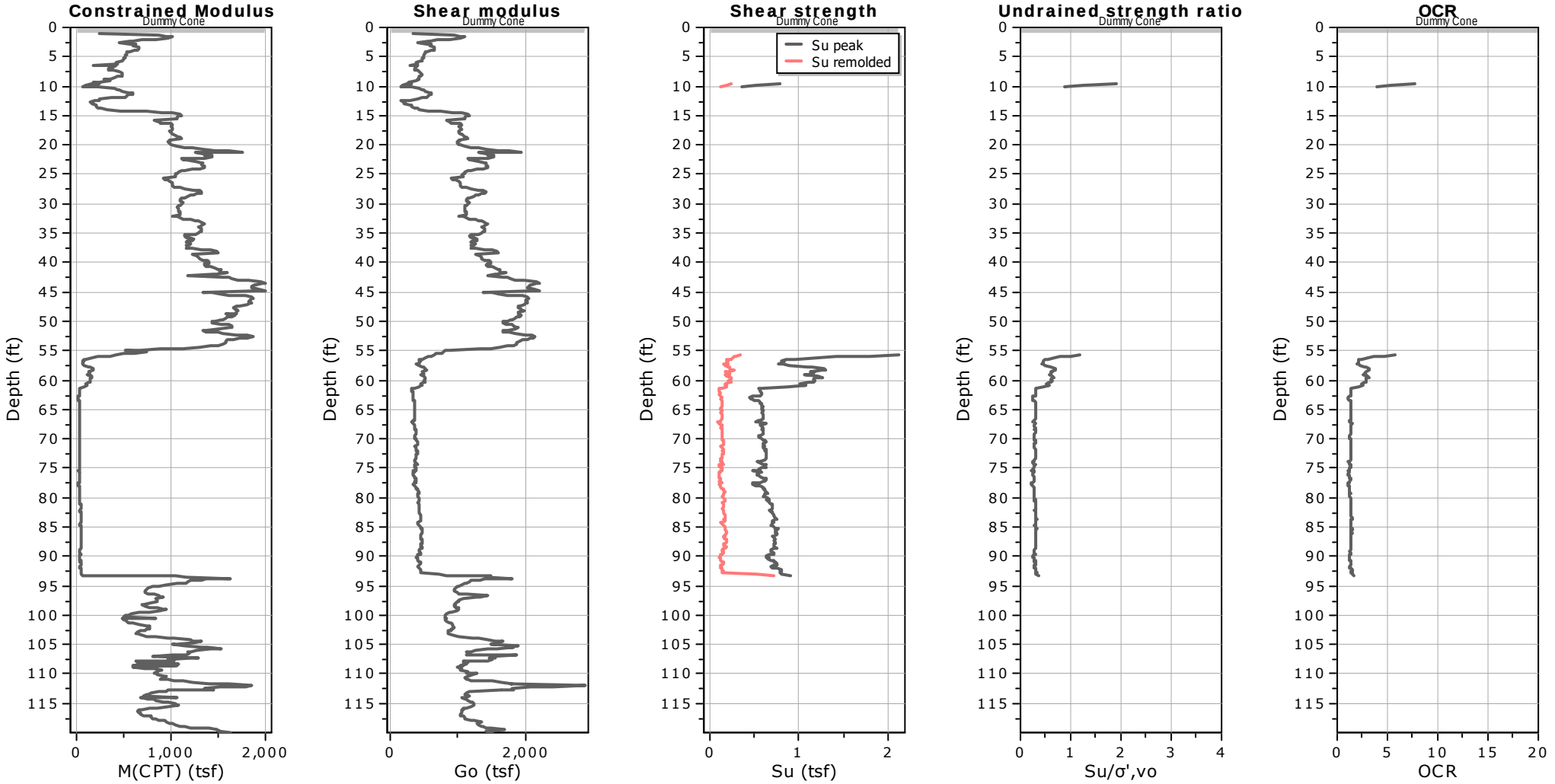

Calculation parameters

Constrained modulus: Based on variable *alpha* using I_c and Q_{tn} (Robertson, 2009)
Go: Based on variable *alpha* using I_c (Robertson, 2009)
Undrained shear strength cone factor for clays, N_{kt}: 14
OCR factor for clays, N_{kt}: 0.33
Flat Dilatometer Test data

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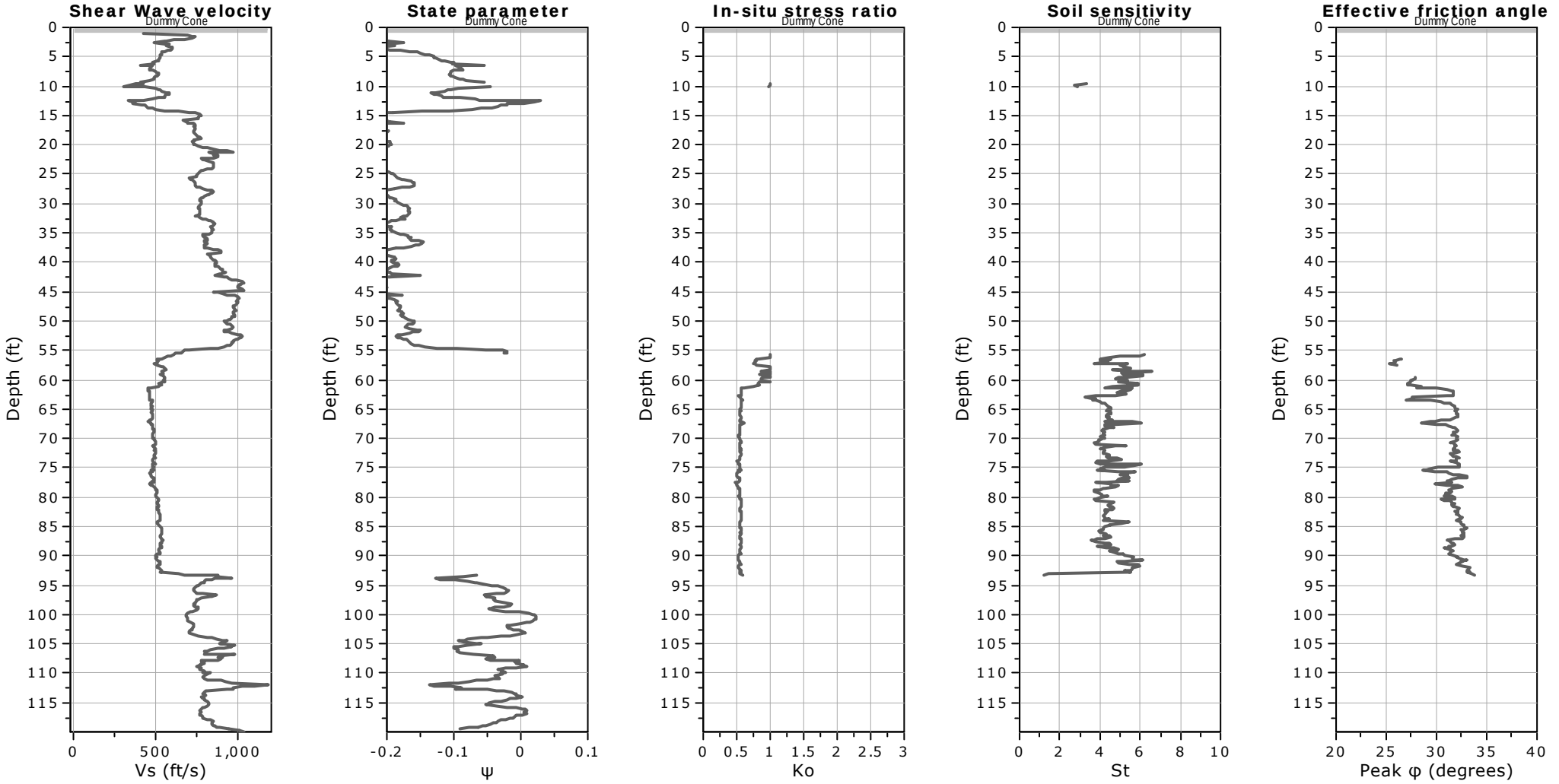

Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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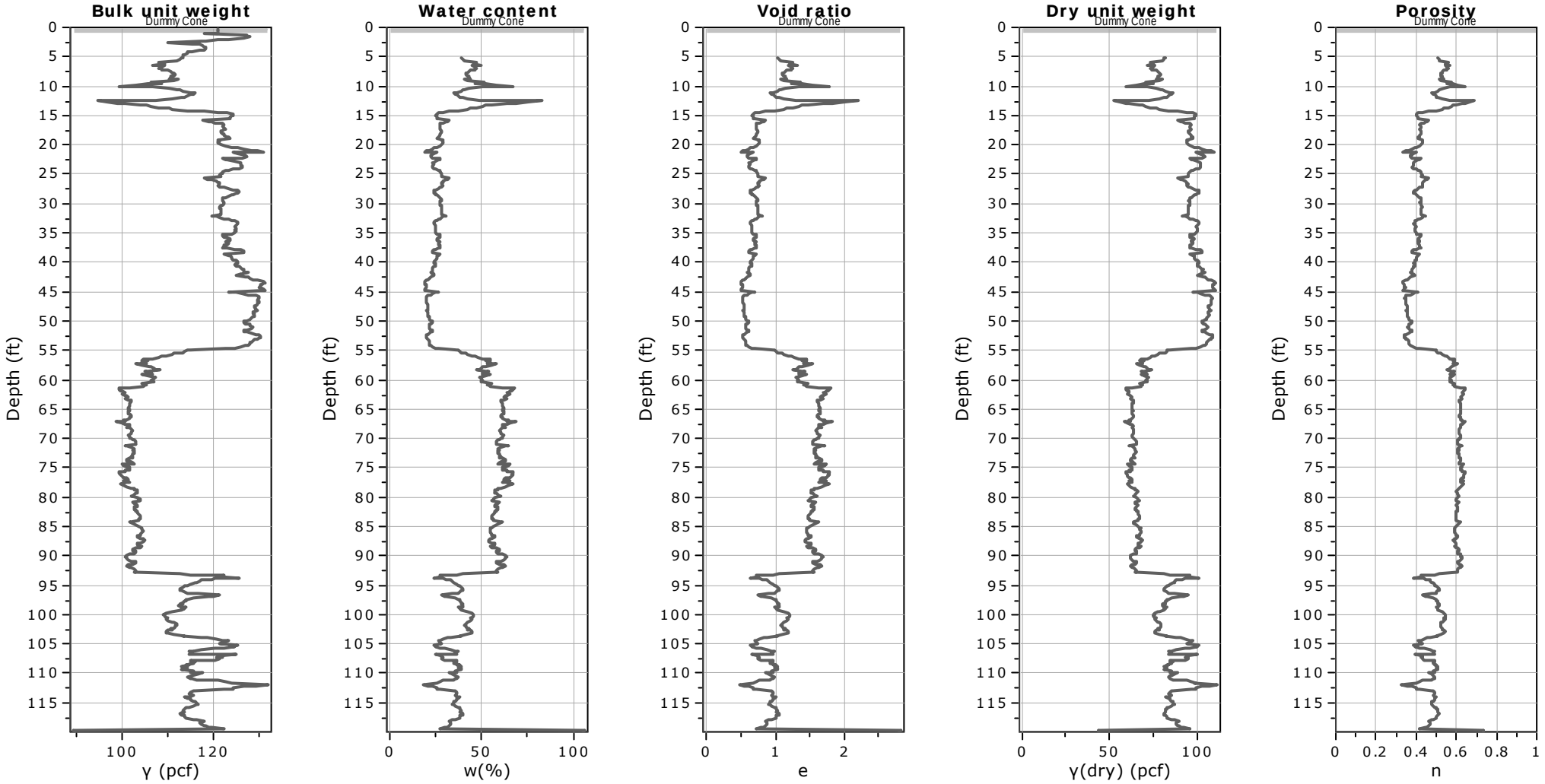

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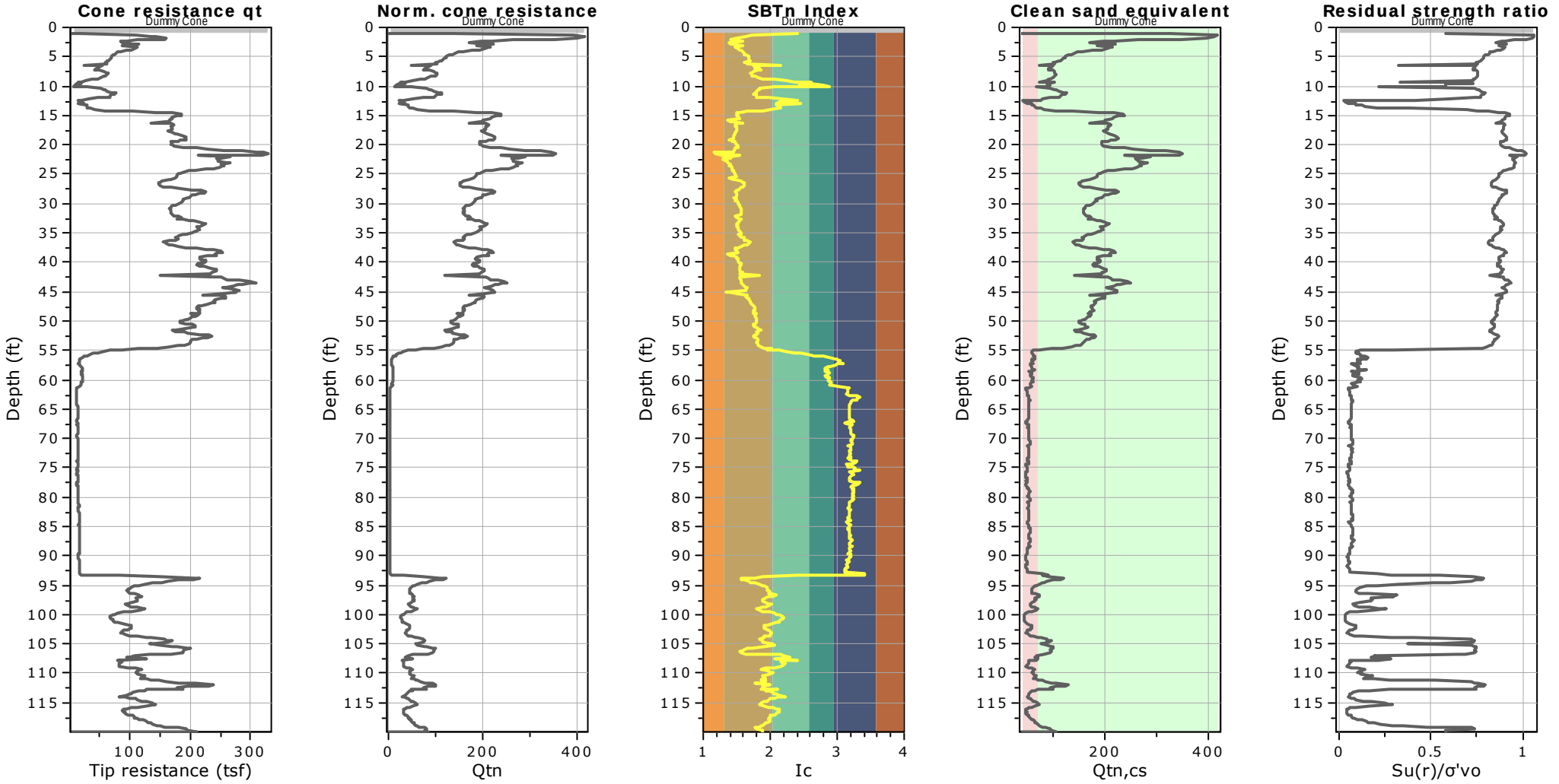

Craig Geotechnical Drilling
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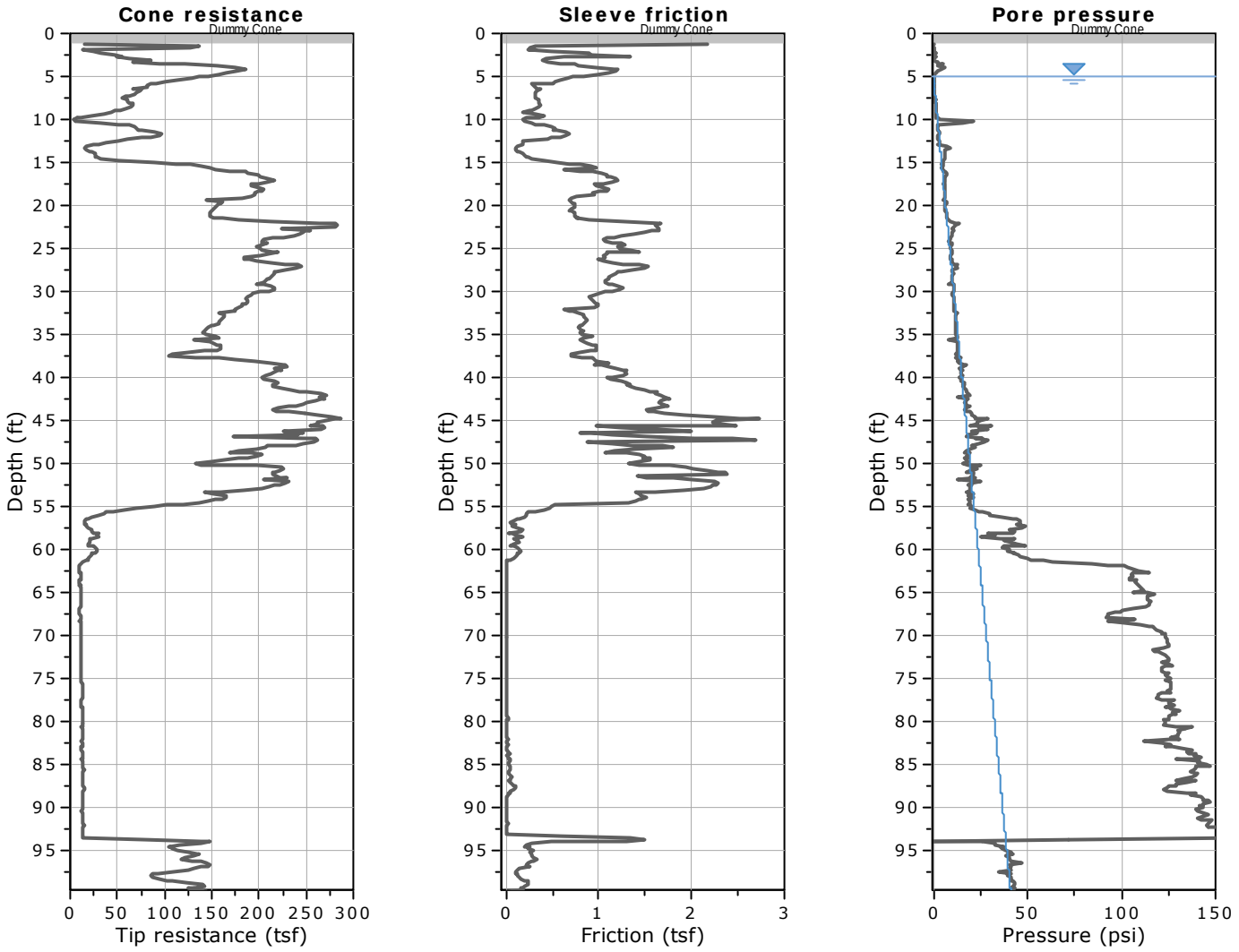
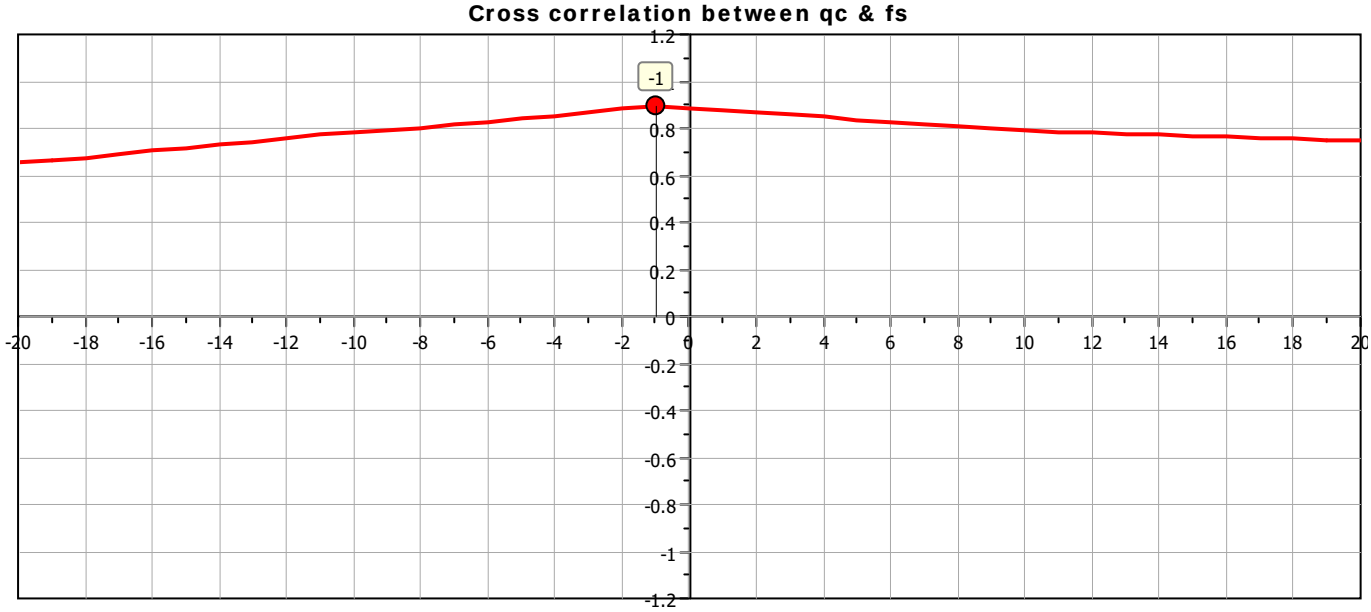
Mays Landing, NJ

Project: **Mueser Rutledge**
Location: **2828 W. 28th St, Brooklyn NY**

CPT: CPT-8
Total depth: 100.10 ft



The plot below presents the cross correlation coeficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two sucessive CPT measurements).



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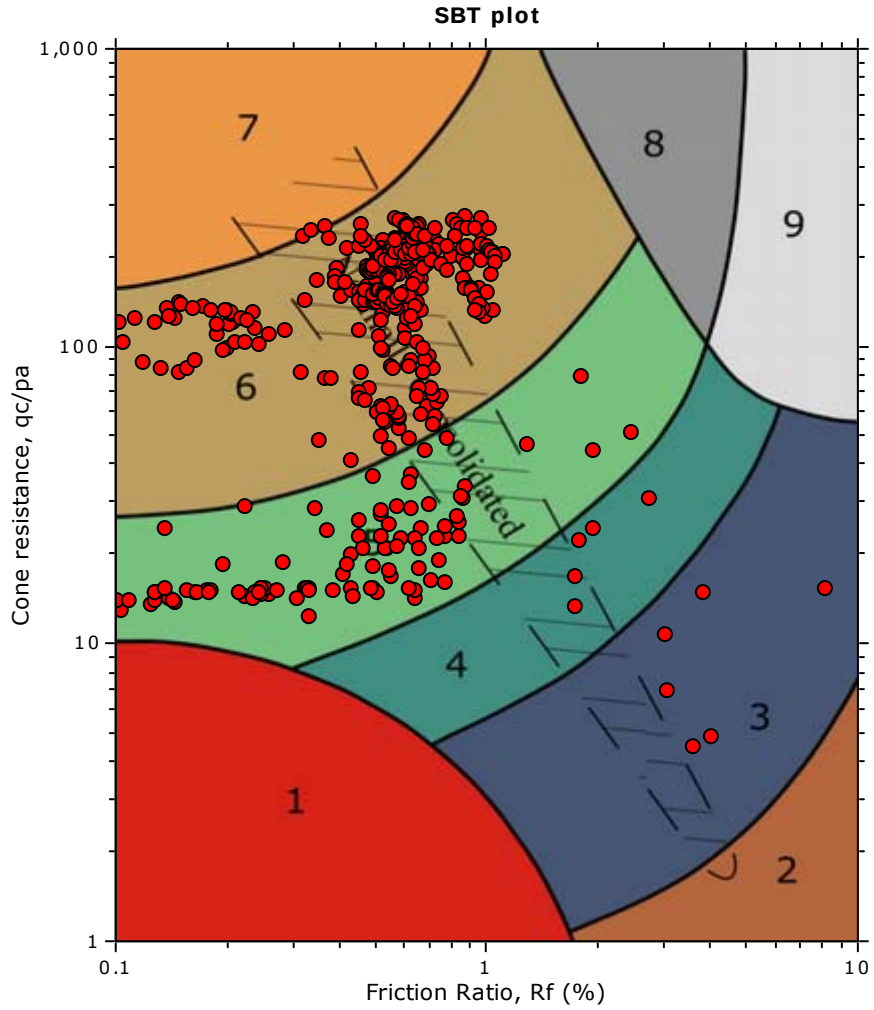
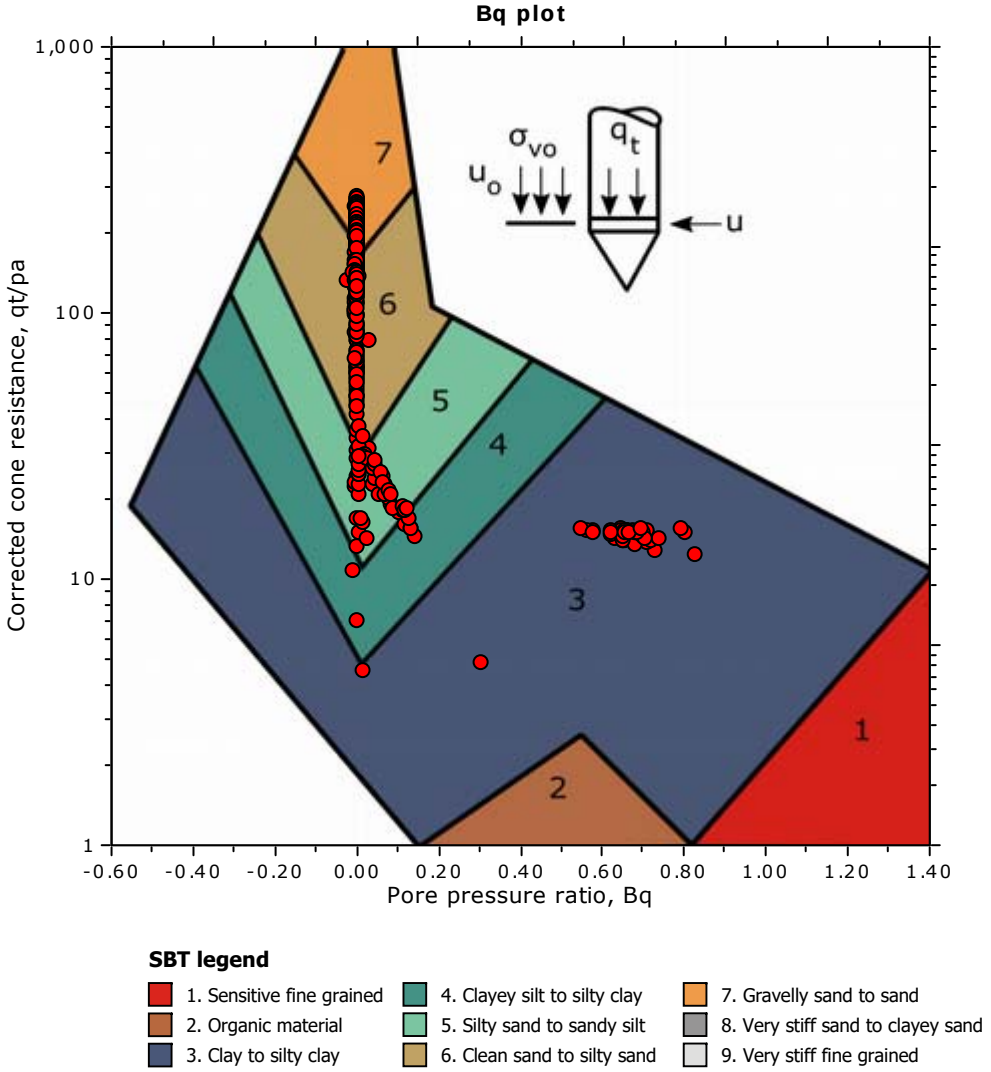
CPT: CPT-8
Total depth: 100.10 ft

SBT - Bq plots





SBT legend

1. Sensitive fine grained	4. Clayey silt to silty clay	7. Gravelly sand to sand
2. Organic material	5. Silty sand to sandy silt	8. Very stiff sand to clayey sand
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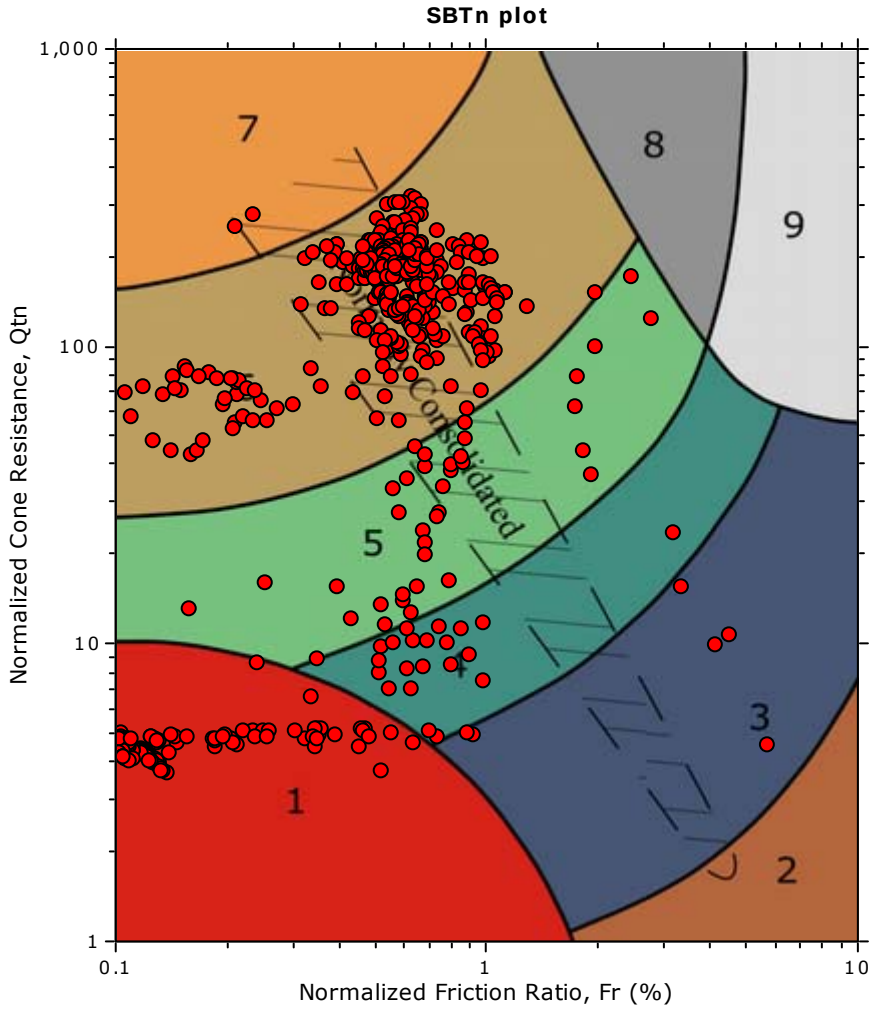
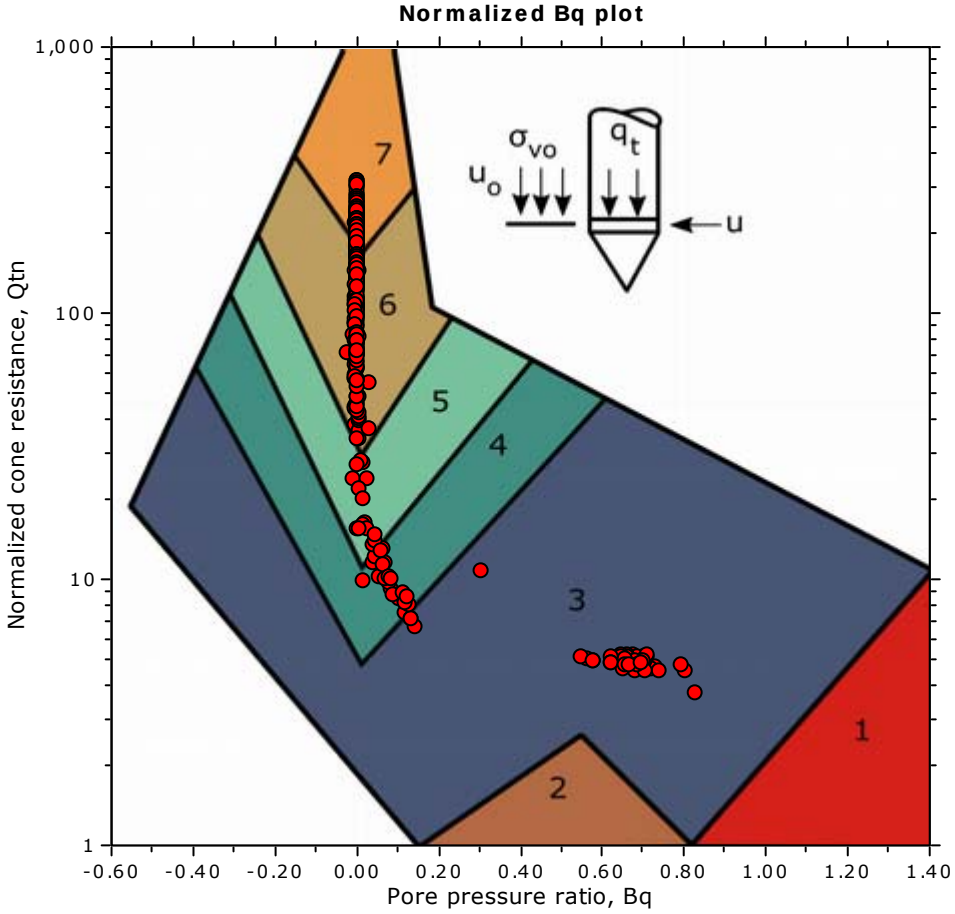
SBT - Bq plots (normalized)





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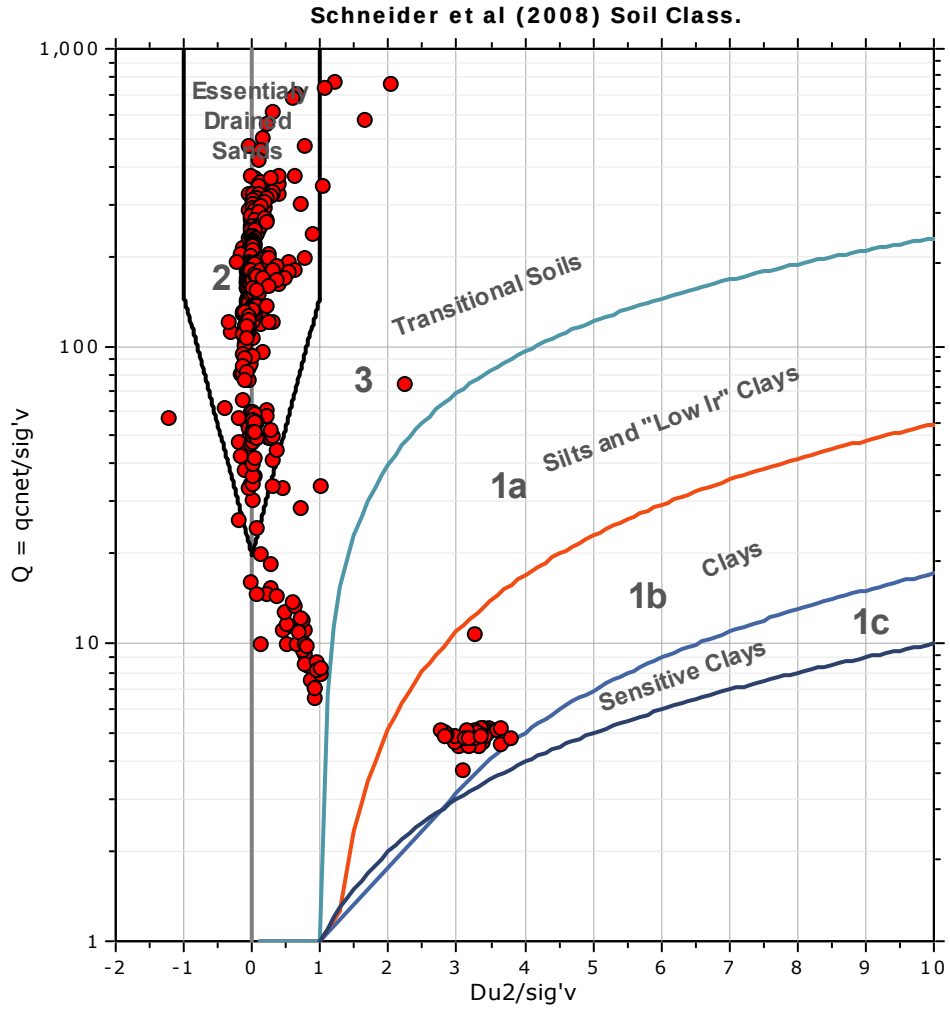
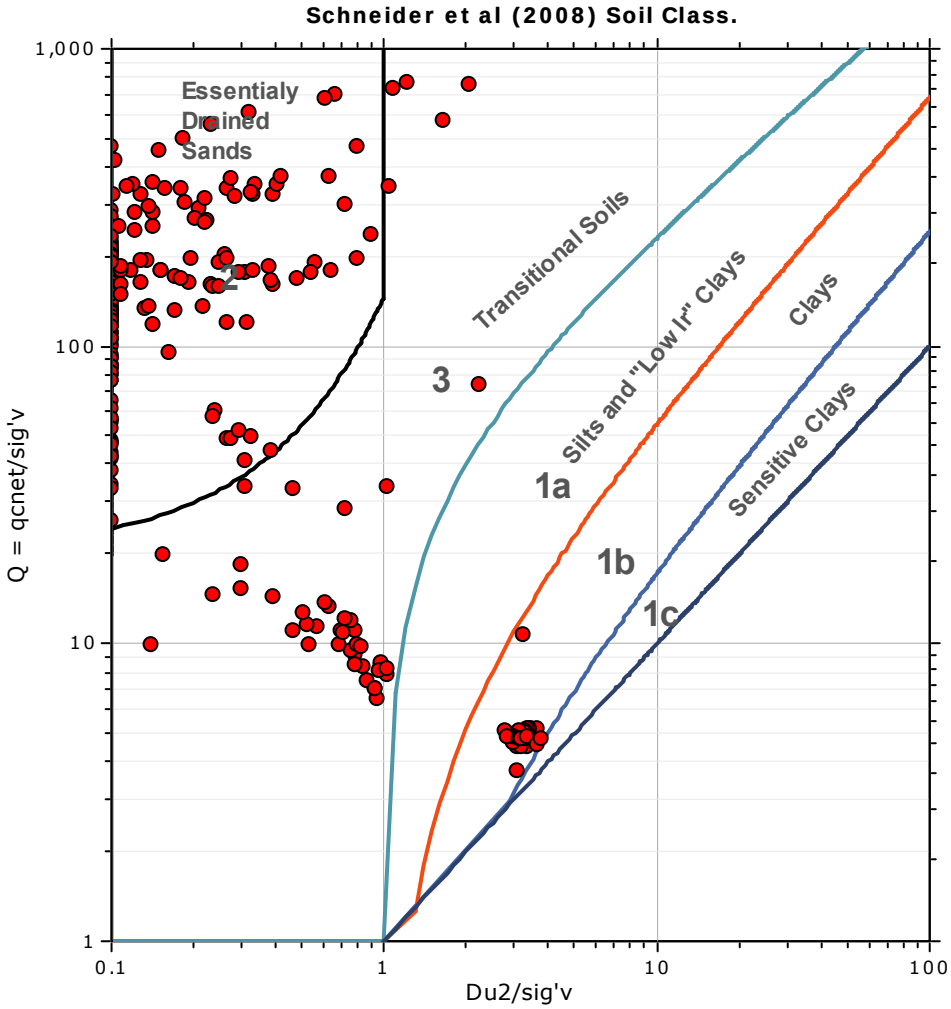
Bq plots (Schneider)





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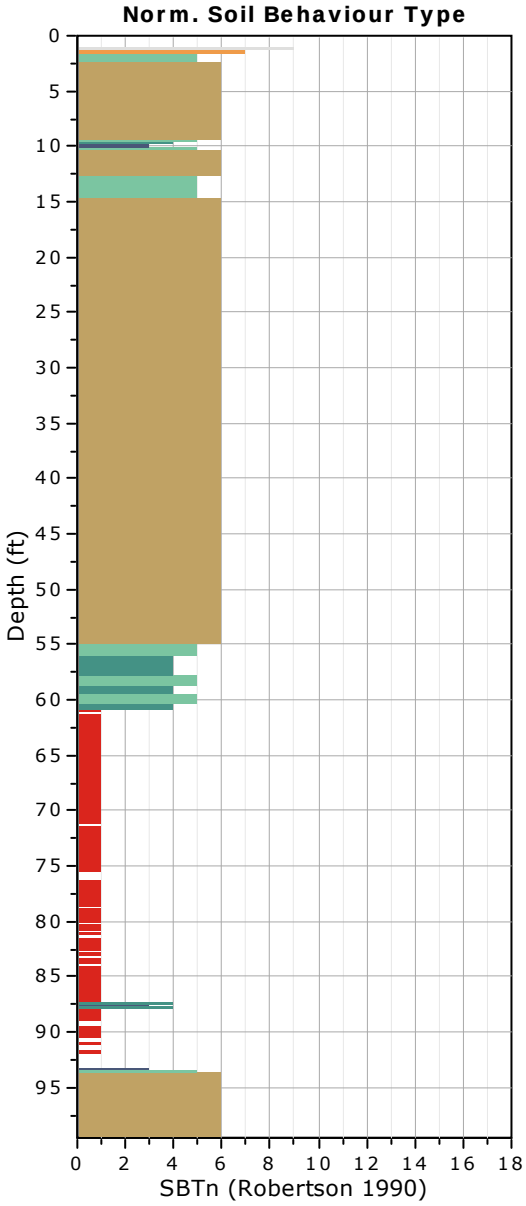

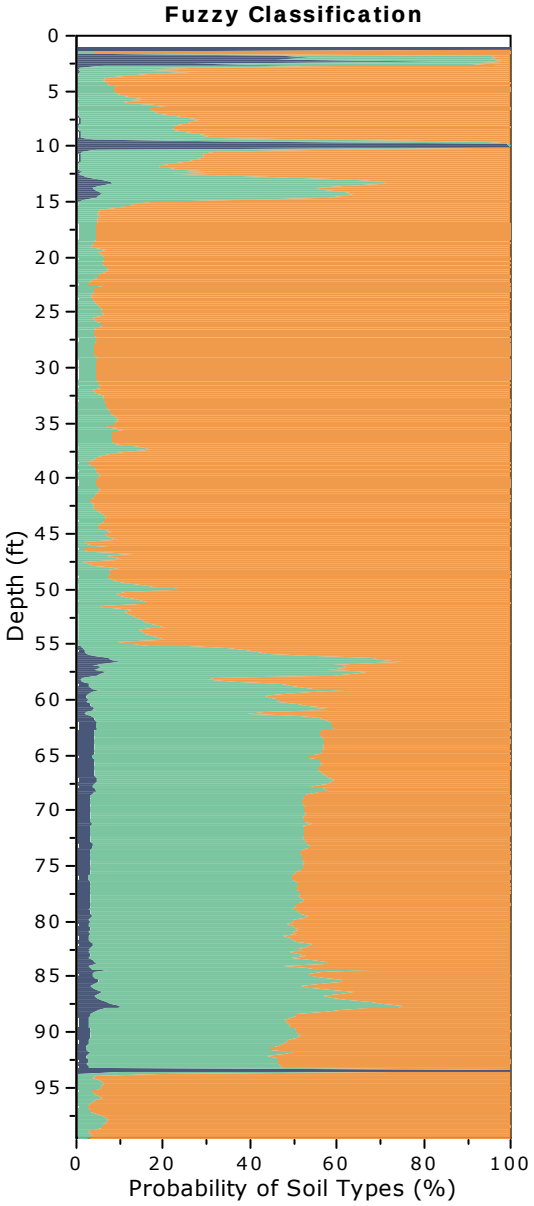

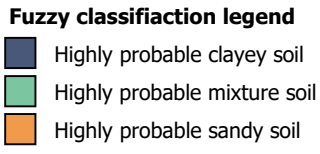

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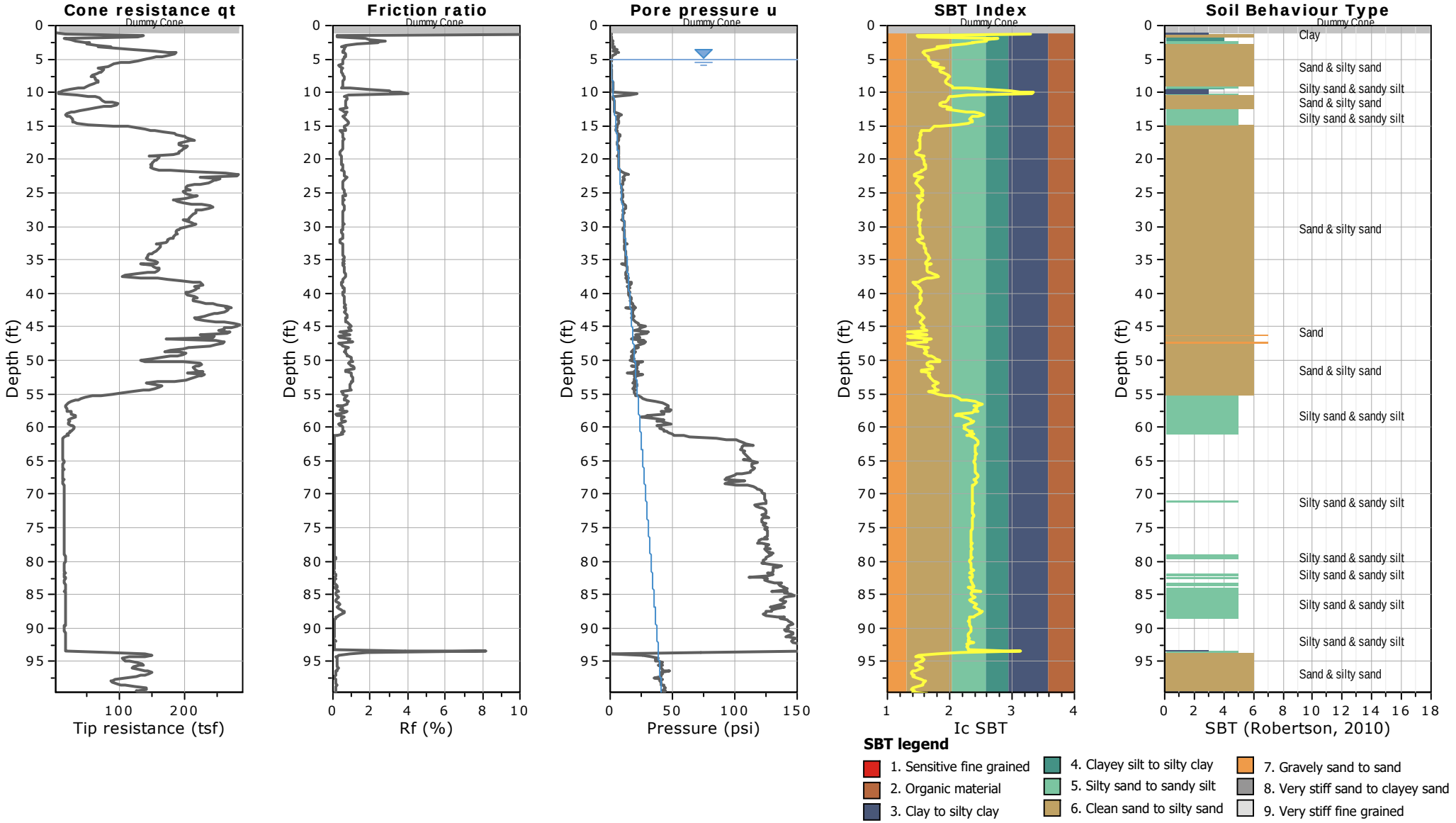

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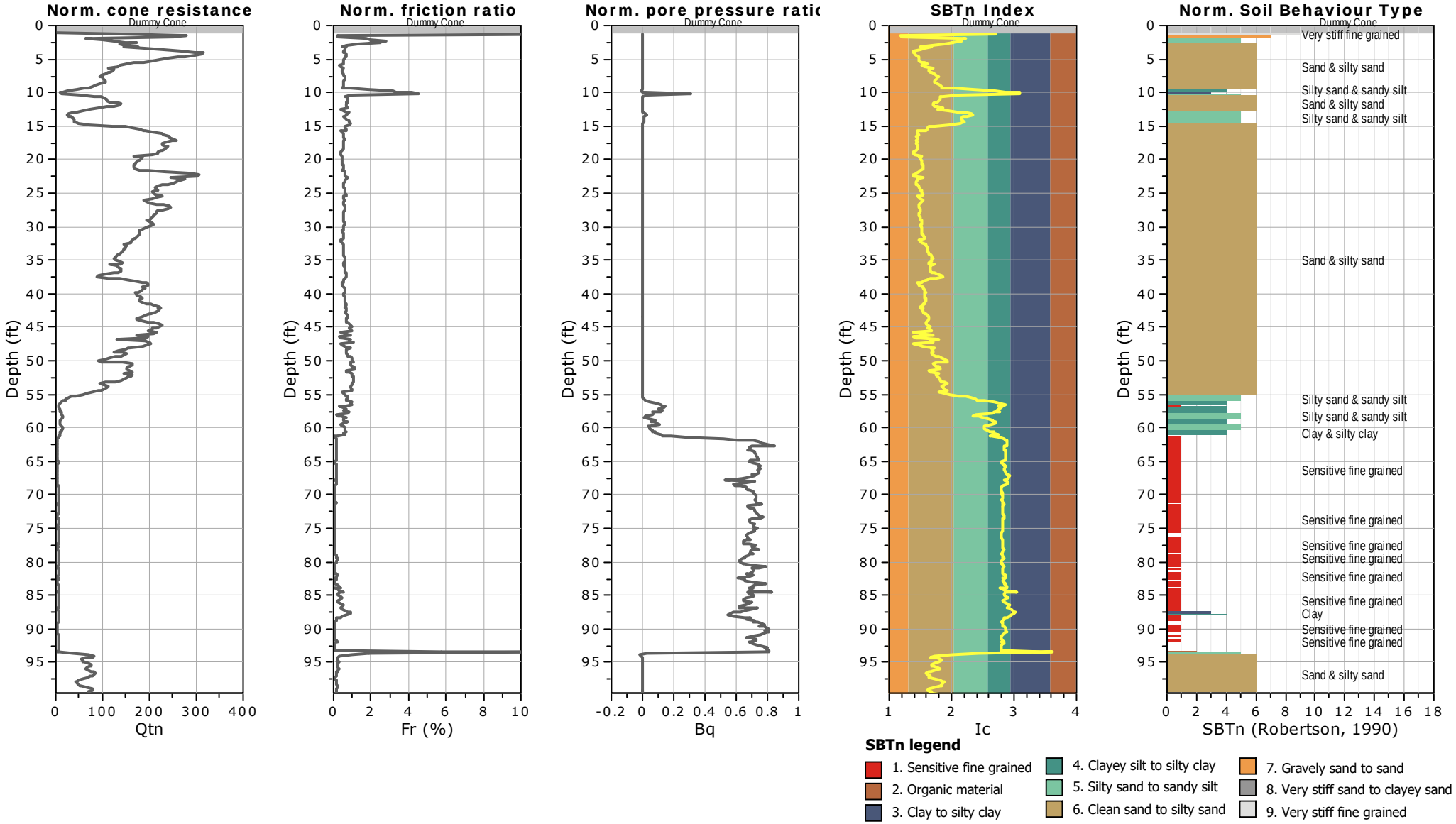

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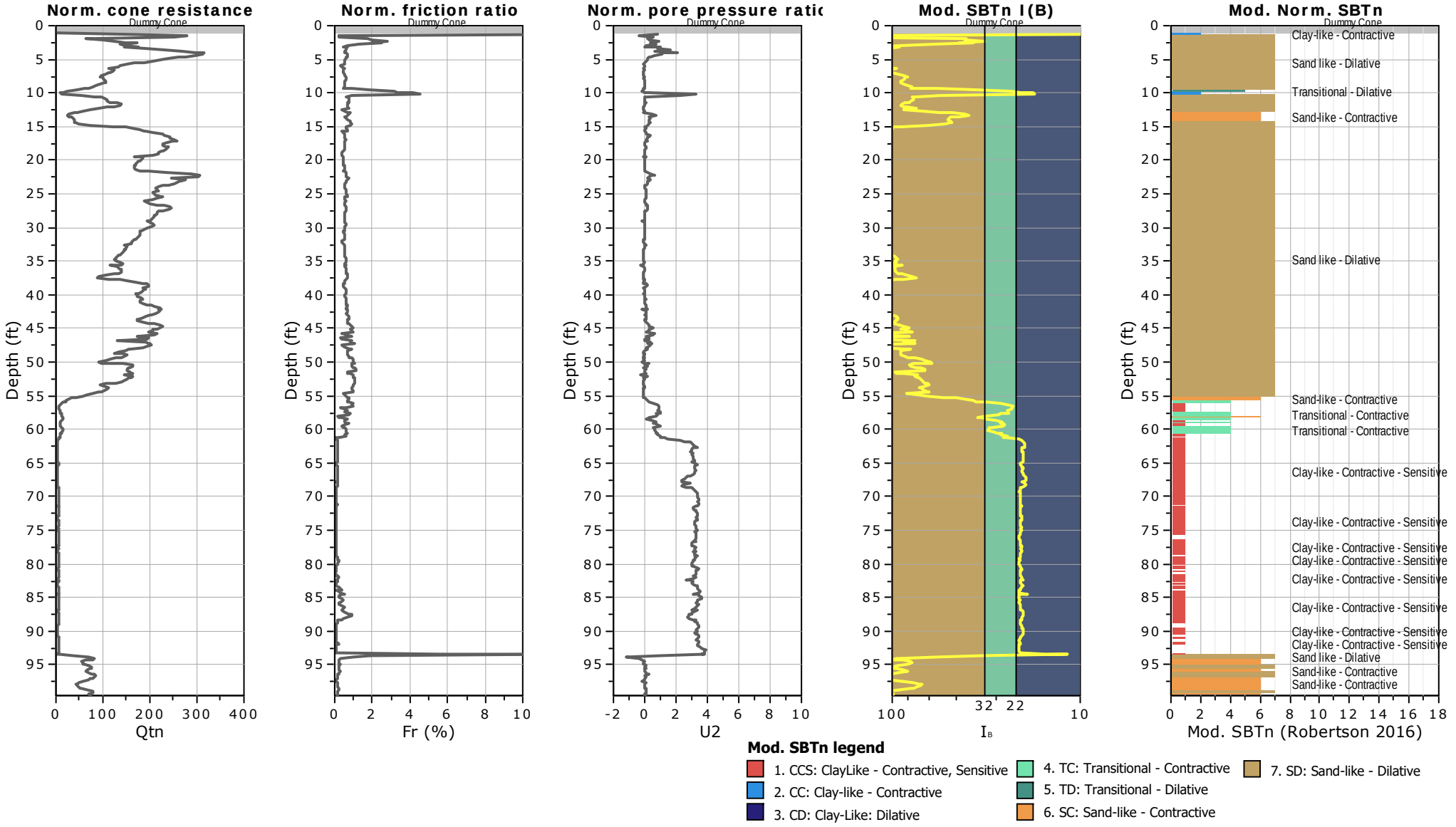

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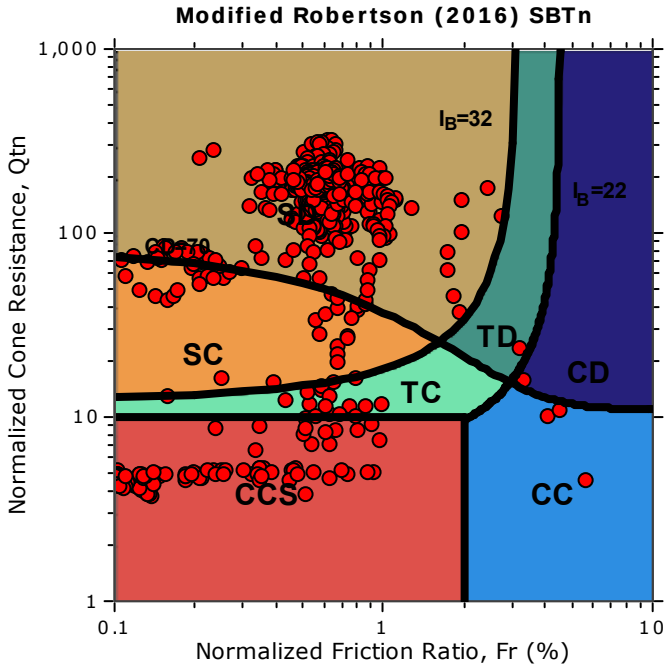
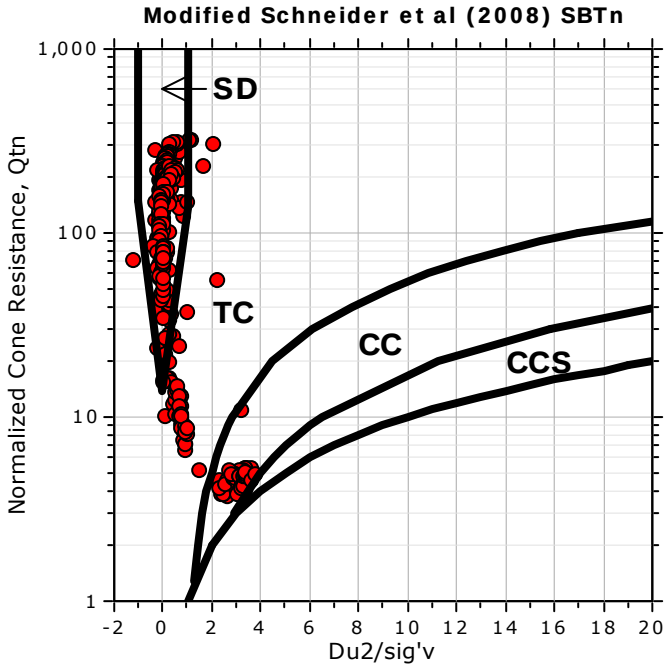
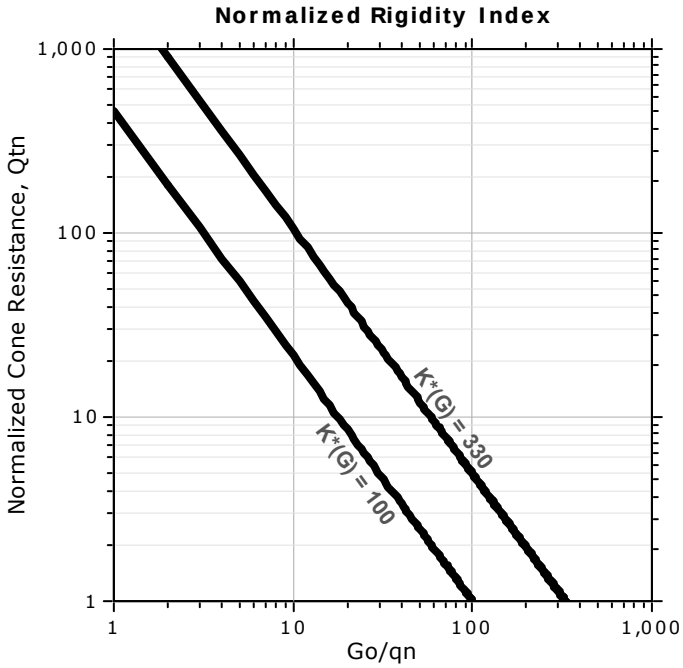
Updated SBTn plots







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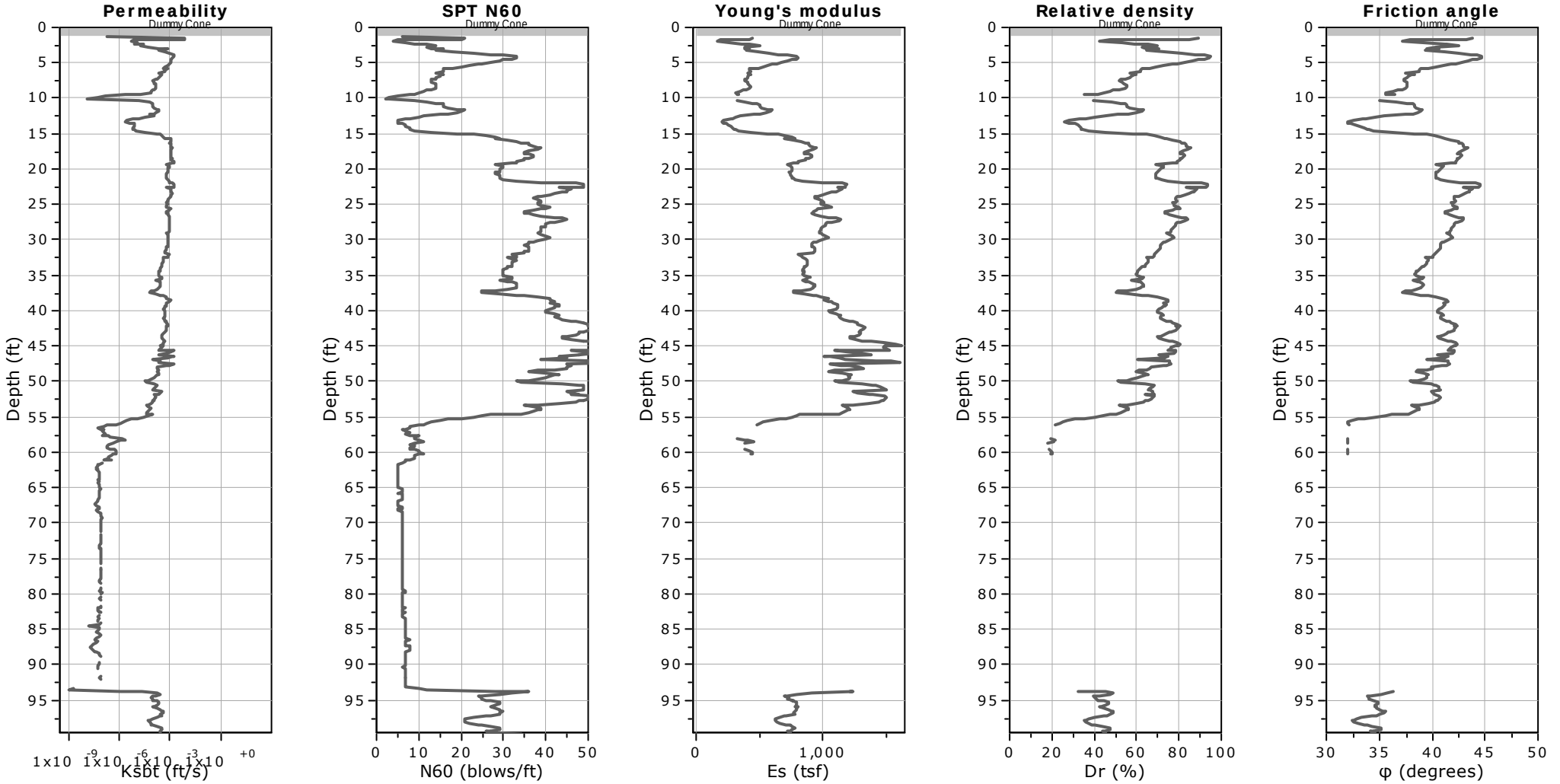

Calculation parameters

Permeability: Based on SBT_n
SPT N_{60}: Based on I_c and q_t
Young's modulus: Based on variable alpha using I_c (Robertson, 2009)
Relative density constant, C_{Dr}: 350.0
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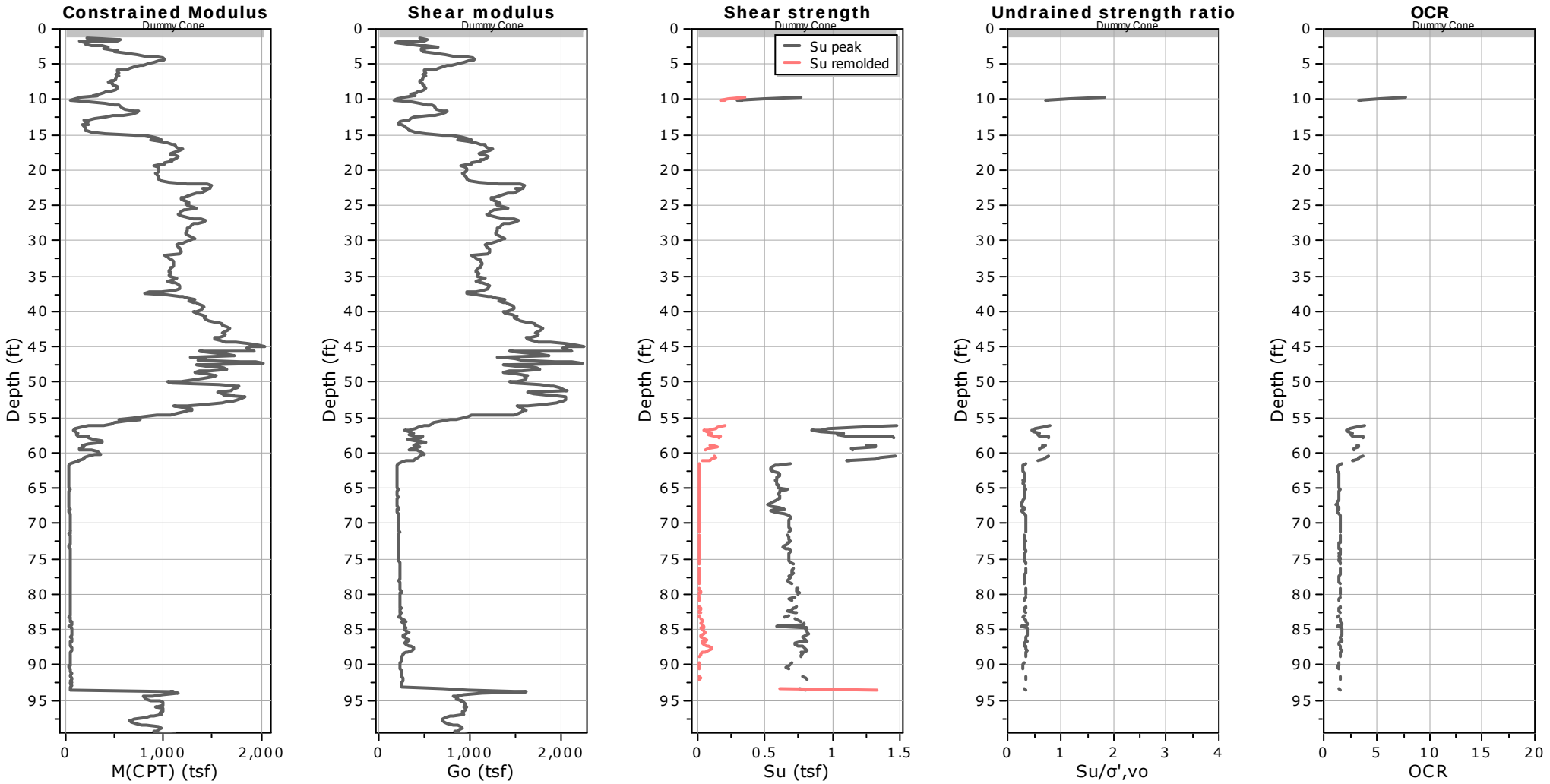

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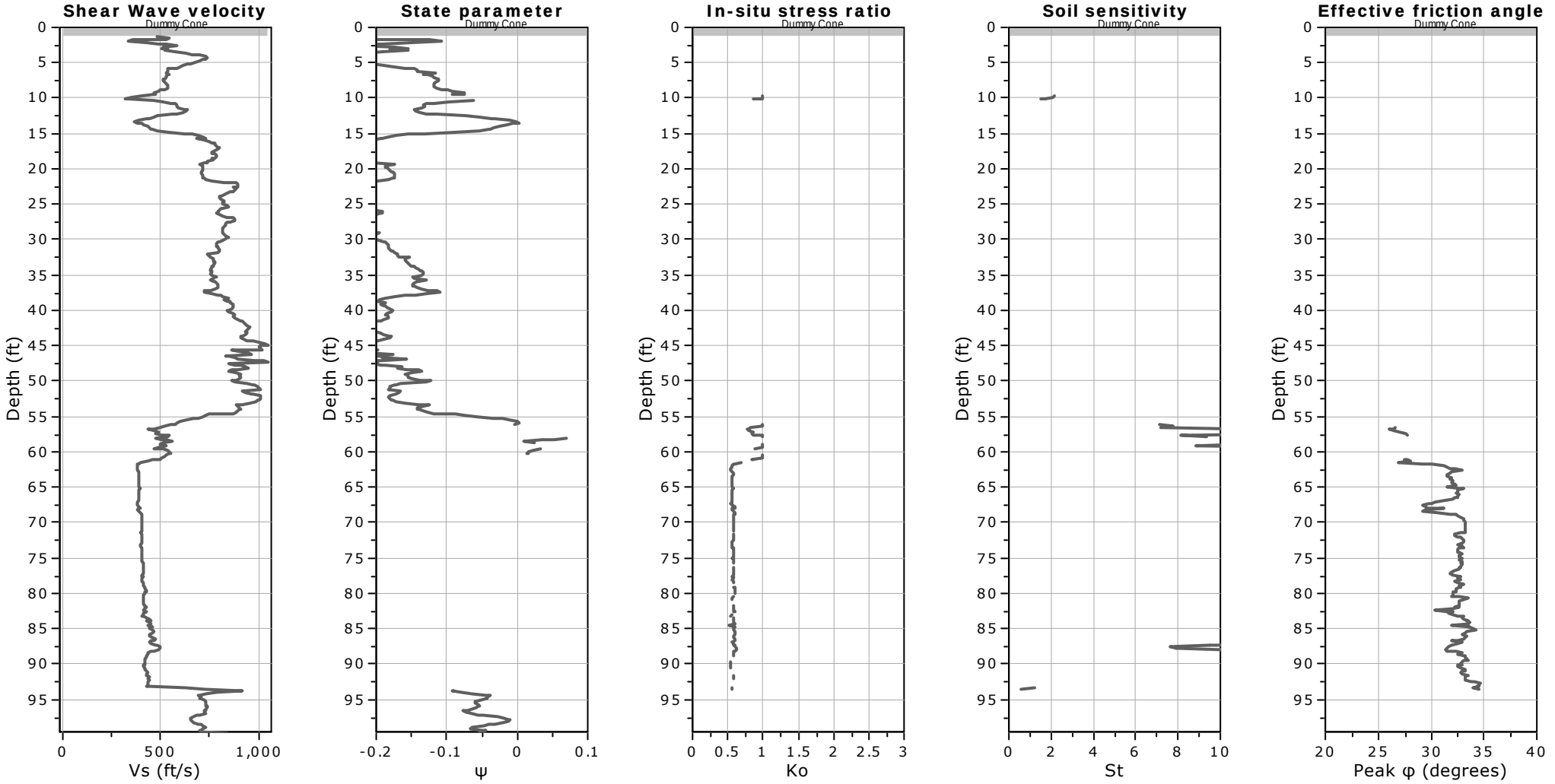

Calculation parameters

Soil Sensitivity factor, N_S: 7.00

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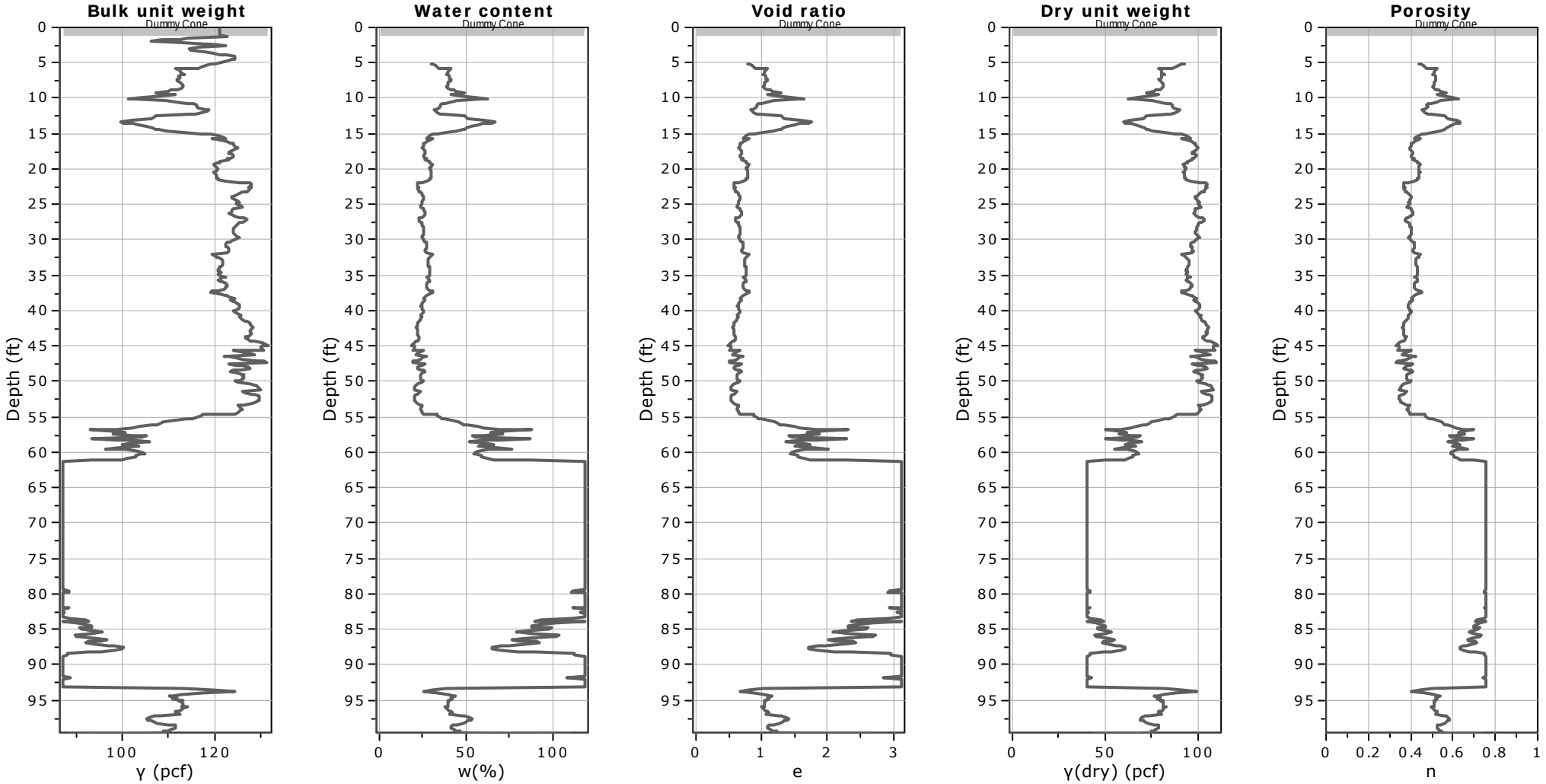

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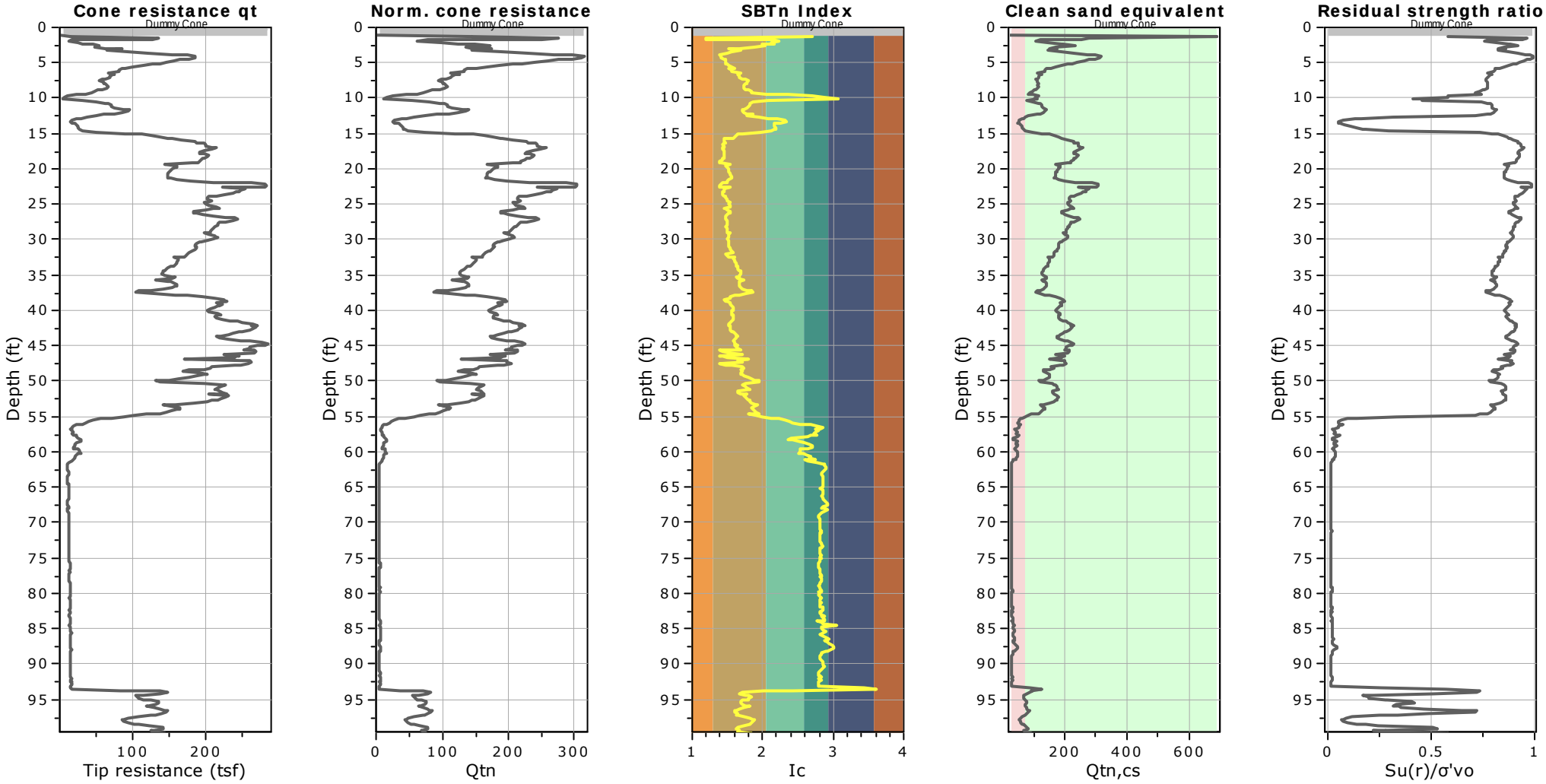
Total depth: 100.10 ft



Presented below is a list of formulas used for the estimation of various soil properties. The formulas are presented in SI unit system and assume that all components are expressed in the same units.

:: Unit Weight, g (kN/m³) ::

$$g = g_w \cdot \left(0.27 \cdot \log(R_f) + 0.36 \cdot \log(\frac{q_t}{p_a}) + 1.236 \right)$$

where g_w = water unit weight

:: Permeability, k (m/s) ::

$I_c < 3.27$ and $I_c > 1.00$ then $k = 10^{0.952-3.04 \cdot I_c}$

$I_c \leq 4.00$ and $I_c > 3.27$ then $k = 10^{-4.52-1.37 \cdot I_c}$

:: N_{SPT} (blows per 30 cm) ::

$$N_{60} = \left(\frac{q_c}{P_a} \right) \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

$$N_{1(60)} = Q_{tn} \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

:: Young's Modulus, Es (MPa) ::

$$(q_t - \sigma_v) \cdot 0.015 \cdot 10^{0.55 \cdot I_c + 1.68}$$

(applicable only to $I_c < I_{c_cutoff}$)

:: Relative Density, Dr (%) ::

$$100 \cdot \sqrt{\frac{Q_{tn}}{k_{DR}}}$$ (applicable only to SBT_n: 5, 6, 7 and 8 or $I_c < I_{c_cutoff}$)

:: State Parameter, ψ ::

$$\psi = 0.56 - 0.33 \cdot \log(Q_{tn,cs})$$

:: Drained Friction Angle, φ (°) ::

$$\varphi = \varphi'_{cv} + 15.94 \cdot \log(Q_{tn,cs}) - 26.88$$

(applicable only to SBT_n: 5, 6, 7 and 8 or $I_c < I_{c_cutoff}$)

:: 1-D constrained modulus, M (MPa) ::

If $I_c > 2.20$
$\alpha = 14$ for $Q_{tn} > 14$
$\alpha = Q_{tn}$ for $Q_{tn} \leq 14$
$M_{CPT} = \alpha \cdot (q_t - \sigma_v)$

If $I_c \geq 2.20$

$$M_{CPT} = 0.03 \cdot (q_t - \sigma_v) \cdot 10^{0.55 \cdot I_c + 1.68}$$

:: Small strain shear Modulus, Go (MPa) ::

$$G_0 = (q_t - \sigma_v) \cdot 0.0188 \cdot 10^{0.55 \cdot I_c + 1.68}$$

:: Shear Wave Velocity, Vs (m/s) ::

$$V_s = \left(\frac{G_0}{\rho} \right)^{0.50}$$

:: Undrained peak shear strength, Su (kPa) ::

$N_{kt} = 10.50 + 7 \cdot \log(F_r)$ or user defined

$$S_u = \frac{(q_t - \sigma_v)}{N_{kt}}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Remolded undrained shear strength, Su(rem) (kPa) ::

$S_{u(rem)} = f_s$ (applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Overconsolidation Ratio, OCR ::

$$k_{OCR} = \left[\frac{Q_{tn}^{0.20}}{0.25 \cdot (10.50 \cdot +7 \cdot \log(F_r))} \right]^{1.25}$$ or user defined

$OCR = k_{OCR} \cdot Q_{tn}$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: In situ Stress Ratio, Ko ::

$$K_O = (1 - \sin\varphi') \cdot OCR^{\sin\varphi'}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Soil Sensitivity, S_t ::

$$S_t = \frac{N_S}{F_r}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Peak Friction Angle, φ' (°) ::

$$\varphi' = 29.5° \cdot B_q^{0.121} \cdot (0.256 + 0.336 \cdot B_q + \log Q_t)$$

(applicable for $0.10 < B_q < 1.00$)

References

• Robertson, P.K., Cabal K.L., Guide to Cone Penetration Testing for Geotechnical Engineering, Gregg Drilling & Testing, Inc., 5th Edition, November 2012

• Robertson, P.K., Interpretation of Cone Penetration Tests - a unified approach., Can. Geotech. J. 46(11): 1337–1355 (2009)

• N Barounis, J Philpot, Estimation of in-situ water content, void ratio, dry unit weight and porosity using CPT for saturated sands, Proc. 20th NZGS Geotechnical Symposium

APPENDIX C

Supplemental Laboratory Data

Available Laboratory Data

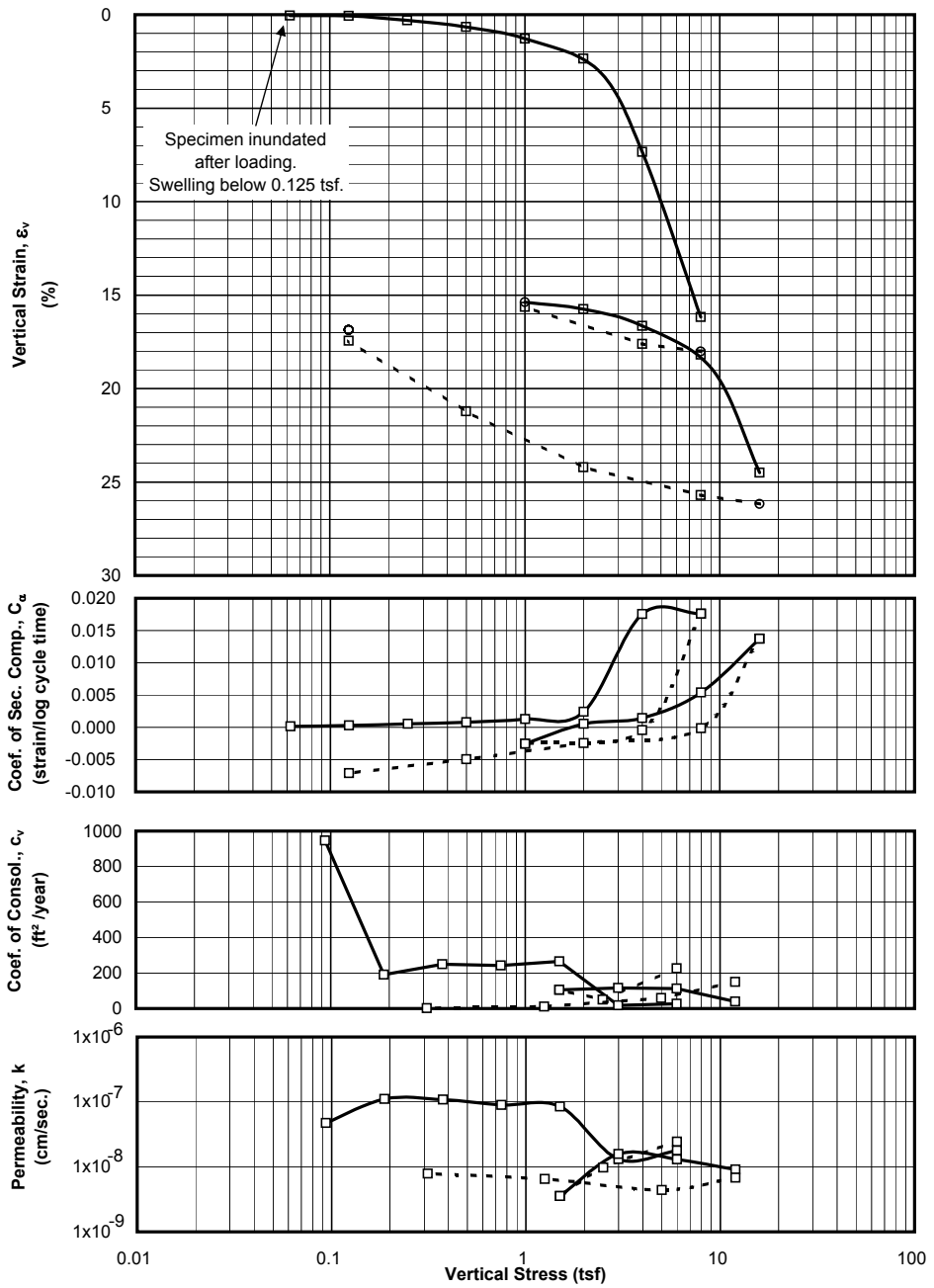
Geotechnical Investigation Report
Coney Island Commons
Prepared by URS
Dated February 2009, Revised May 2010

Coney Island Commons

LABORATORY TESTING DATA SUMMARY

BORING NO.	SAMPLE NO.	DEPTH (ft)	IDENTIFICATION TESTS								CONSOLIDATION			REMARKS
			WATER CONTENT (%)	LIQUID LIMIT (-)	PLASTIC LIMIT (-)	PLAS. INDEX (-)	USCS SYMB. (1)	SIEVE MINUS NO. 200 (%)	TOTAL UNIT WEIGHT (pcf)	DRY UNIT WEIGHT (pcf)	Method	INITIAL CONDITIONS		
												VOID RATIO (-)	SATUR-ATION (%)	
B-6	S-3	10-12	23.6				SP	3.5						
B-10	S-1	5-7	20.8				SP	3.5						
B-10	S-3	15-17	26.8	32	23	9	SC	17.9						
B-10	S-6	30-32	24.6				SP-SM	5.7						
B-10	S-11	55-57	28.5				SP-SM	11.4						
B-10	S-13	65-67	54.8	68	35	33	MH							
B-10	S-17	85-87	29.5	50	22	28	CH							
B-10	S-19	95-97	14.7				SP-SM	7.4						
B-10	S-20	100-102	8.5				SW	4.4						
B-20	U-1	77-79							102.6					
B-20	U-1	77.65	49.8											
B-20	U-1	78.2	51.9											
B-20	U-1	78.75	58.6											
B-20	U-1D	79.0	57.0	79	38	41	MH		96.9	61.7	D2435	1.700	89	C07165
B-27	S-2	10-12	25.1				SP	1.8						
B-27	S-5	25-27	24.5				SP	4.2						

Note: (1) USCS symbol based on visual observation and Sieve and Atterberg limits reported.



SAMPLE INFORMATION

Boring:	B-20
Sample:	U-1D
Depth:	79.00 feet
Elevation:	
Type:	3-inch thin wall tube
Description:	MH, gray clayey SILT.

LL = 79, PL = 38, PI = 41

SPECIMEN INFORMATION

(NOTE: Initial and final states refer to beginning and end of test)

Initial height:	0.62	inch
Diameter:	2.50	inch

Initial water content:	57.0	%
Initial total unit weight:	96.9	pcf
Initial dry unit weight:	61.7	pcf
Initial void ratio:	1.700	
Initial degree of saturation:	89	%
Final water content:	53.7	%
Final total unit weight:	105.2	pcf
Final dry unit weight:	68.4	pcf
Final void ratio:	1.436	
Final degree of saturation:	100	% (assumed specific gravity = 2.67)

TEST SUMMARY

Construction Method:	Casagrande (Log)
Estimated preconsolidation stress (tsf):	2.9 (Range: 2.7 to 3.0)
Estimated in situ effective overburden stress (tsf):	
Compression Ratio (strain per log cycle stress):	0.285
Compression Index (void ratio per log cycle stress):	0.770
Swell Ratio (strain per log cycle stress):	0.033
Swell Index (void ratio per log cycle stress):	0.089
Recompression Ratio (strain per log cycle stress):	0.028
Recompression Index (void ratio per log cycle stress):	0.076
Remarks:	

LEGEND: □ End of primary o End of Stage ——— Loading - - - - - - - Unloading

Test Date: 7/16/07 Tested By: RR Checked By: CMJ

	Coney Island Commons	ONE DIMENSIONAL CONSOLIDATION TEST Boring: B-20 Depth: 79.00 feet
URS Corporation	Project No. 11100007	July 2007

Available Laboratory Data

Geotechnical Report
SHF: Coney Island Site, 2955 West 28th Street
Prepared by MRCE
Dated August 25, 2023

TABLE NO. 1

SUMMARY OF LABORATORY TEST DATA

SAMPLE IDENTIFICATION					CLASSIFICATION PROPERTIES								PHYSICAL PROPERTIES											
										UNIFIED SOIL CLASSIFICATION SYSTEM			STRENGTH						CONSOLIDATION						
BORING NUMBER	SAMPLE NUMBER	ELEVATION , FT.	STRATUM DESIGNATION	IN-SITU UNIT WEIGHT, PCF	AVERAGE NATURAL WATER CONTENT, W_n , %	LIQUID LIMIT, W_L , %	PLASTICITY INDEX, I_P , %	NATURAL WATER CONTENT OF LIMIT SAMPLE, W_n , %	SPECIFIC GRAVITY OF SOLIDS, G_s	GROUP SYMBOL	% SAND (< #4 > #200 SIEVE)	% FINES (< #200 SIEVE)	TYPE OF TEST	COMPRESSIVE STRENGTH (σ_1 - σ_3) , TSF	CONFINING PRESSURE** TSF	STRAIN AT FAILURE, %	NATURAL WATER CONTENT, W_n , %	WATER CONTENT AT END OF TEST, W_f , %	NATURAL WATER CONTENT, W_n , %	INITIAL VOID RATIO, e_o	EXISTING OVERBURDEN STRESS, P_o , TSF	ESTIMATED PRECONSOLIDATION STRESS, P_c , TSF	COMPRESSION INDEX, C_c	SWELLING INDEX, C_S	TEST TYPE OR STRAIN RATE DURING LOADING, %HR
MR-1S	16S	57.1	O	104	56	64	33	53.4	2.68	CH-OH									57.2	1.537	2.0	2.8	0.80	0.08	IL
MR-2S	19S	-65.3	O	103	58	66	33	56.6	2.70	OH									59.6	1.615	2.3	2.7	0.78	0.10	IL
	21S	-70.3	O	103	59	73	41	57.8	2.71	CH-OH									59.8	1.631	2.4	2.9	0.81	0.11	IL
MR-3S	14S	-56.2	O		51					OH															

STRATA DESIGNATIONS

O - Organic Silty Clay and Peat

NOTES

1. All tests summarized were performed in the laboratory of Mueser Rutledge Consulting Engineers.
2. The sample elevation is the average of the sampling interval.
3. Ground surface elevations at borings are:

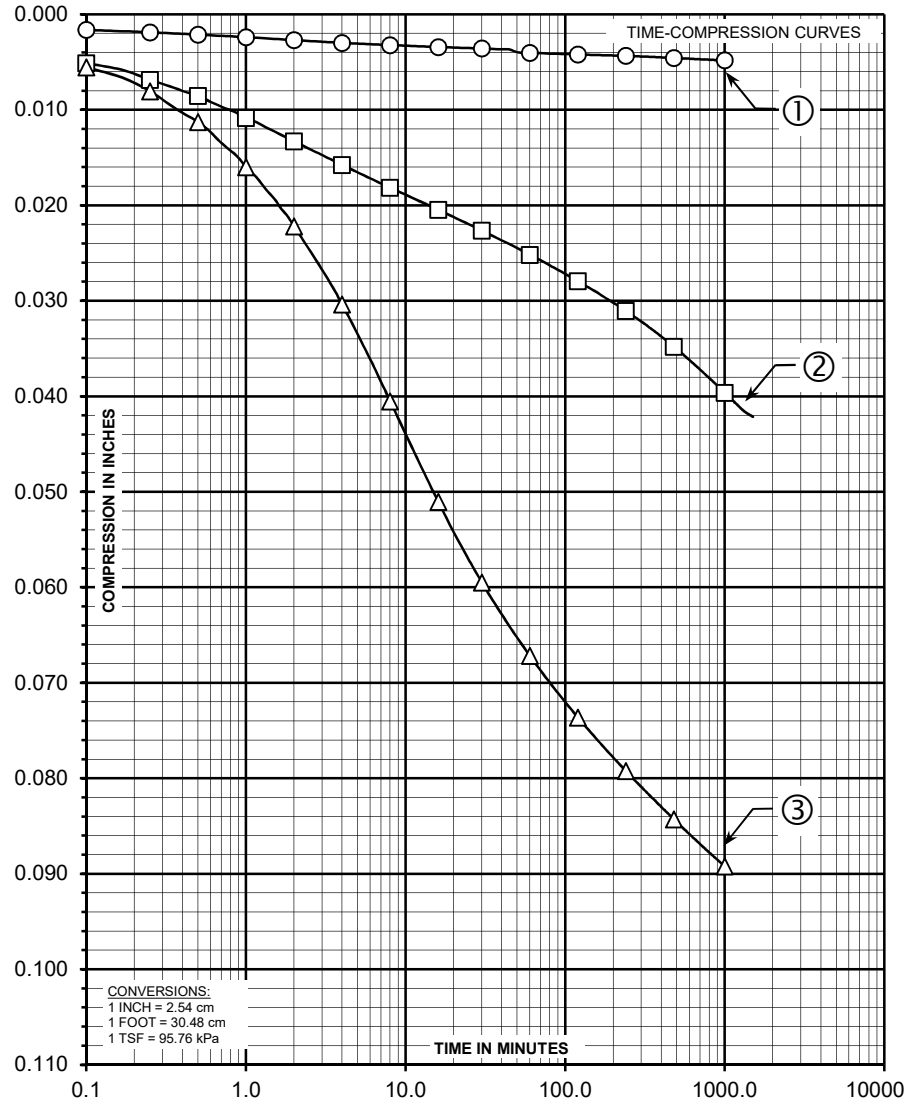
BORING NO.	BORING ELEVATION
MR-1S	+6.9 ±
MR-2S	+8.8 ±
MR-3S	+7.9 ±

4. "Average natural water content" is a weighted average of all material tested.
5. Compression Index, Cc = slope of the virgin compression portion of the e-log p curve.
6. Swelling Index, Cs = slope of the rebound portion of the e-log p curve.
7. Most probable preconsolidation stress, Pc is determined by the Casagrande method of construction.
8. Consolidation tests were performed using incremental loading (IL), or constant rate of strain (CRS) at the strain rate indicated.

MRCE Form LT-1

MUESER RUTLEDGE CONSULTING ENGINEERS
225 WEST 34th STREET, NEW YORK, N.Y. 10122

SHF - CONEY ISLAND SITE
BROOKLYN **NEW YORK**



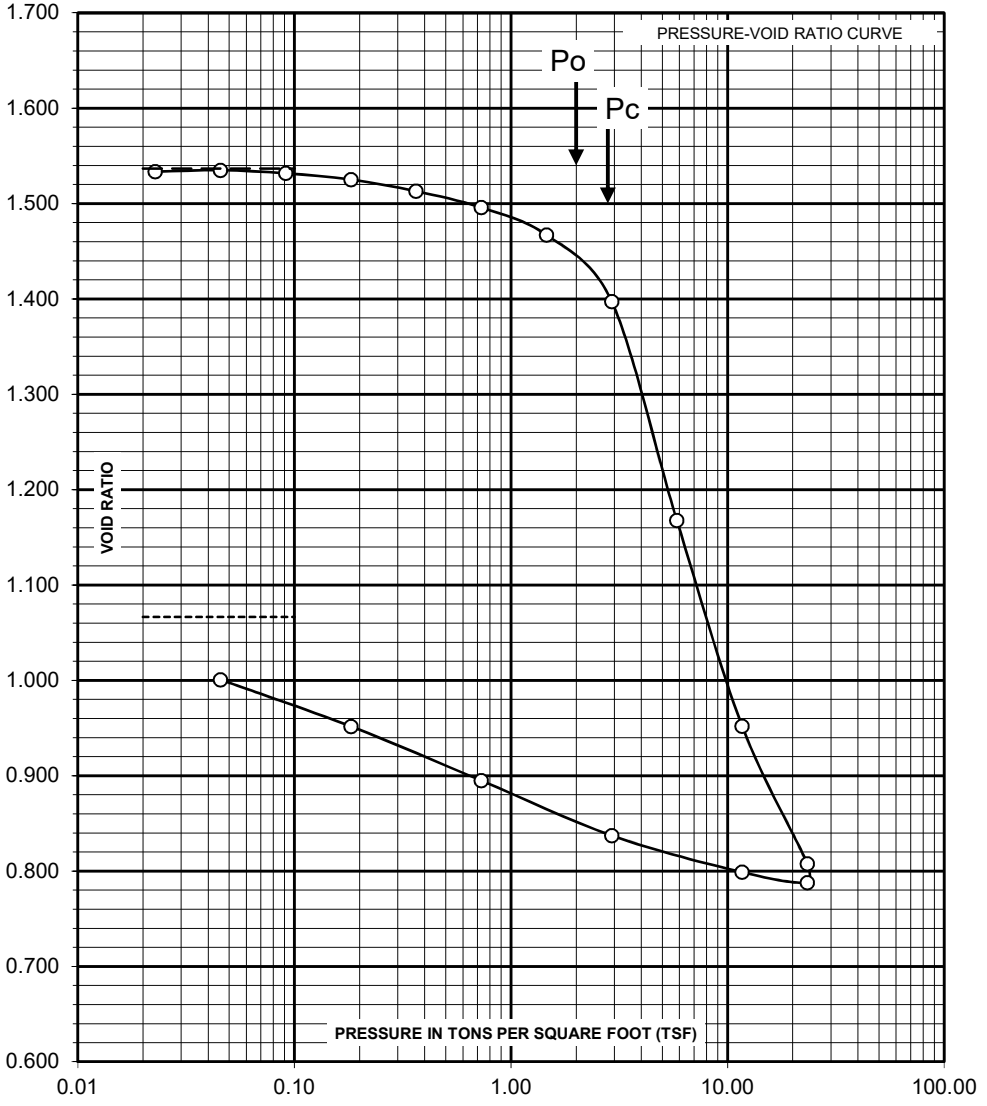


PLATE NO. C-1

CURVE NO.	INCREMENT FROM (TSF)	INCREMENT TO (TSF)
○	0.18	0.36
□	1.46	2.92
△	2.92	5.84

SPECIMEN DESCRIPTION: STIFF GRAY ORGANIC SILTY CLAY, TRACE FINE SAND, SHELLS (OH)

STRATUM O

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

UNIFIED SOILS CLASSIFICATION - CH-OH
LIQUID LIMIT, w_L = 64
PLASTIC LIMIT, w_P = 31
PLASTICITY INDEX, I_P = 33
NATURAL WATER CONT., W_n% = 53.4
LIQUIDITY INDEX, $(w\text{-}w_P)/I_P$ = 0.69
SPECIFIC GRAVITY, G_s = 2.676

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN = -56.5
DEPTH OF SPECIMEN (FT) = 63.4
DIAMETER OF SPECIMEN (IN) = 2.51
INITIAL THICKNESS OF SPECIMEN (IN) = 1.001
INITIAL WATER CONTENT, % = 57.2
FINAL WATER CONTENT, % = 40.4
INITIAL DEGREE OF SATURATION, % = 99.7
FINAL DEGREE OF SATURATION, % = 101.4

— — — — INITIAL VOID RATIO, e_o = 1.537
---------- FINAL VOID RATIO, e_f = 1.066
$\Delta e/e_0$ AT IN-SITU EFF. OVERBURDEN STRESS = 0.060
ESTIMATED PRECONSOLIDATION STRESS (TSF), P_c = 2.8
IN-SITU EFFECTIVE OVERBURDEN STRESS (TSF), P_o = 2.0
COMPRESSION INDEX, C_c = 0.796
SWELLING INDEX, C_s = 0.080, REBOUND FROM e = 0.788

WORK METHOD, ESTIMATED P_c = 2.45 tsf

SHF: CONEY ISLAND SITE

BROOKLYN NY

MUESER RUTLEDGE CONSULTING ENGINEERS

225 WEST 34TH STREET, NEW YORK, N.Y. 10122

MADE BY: SJ DATE: 07-14-2023 FILE NO. **14653**

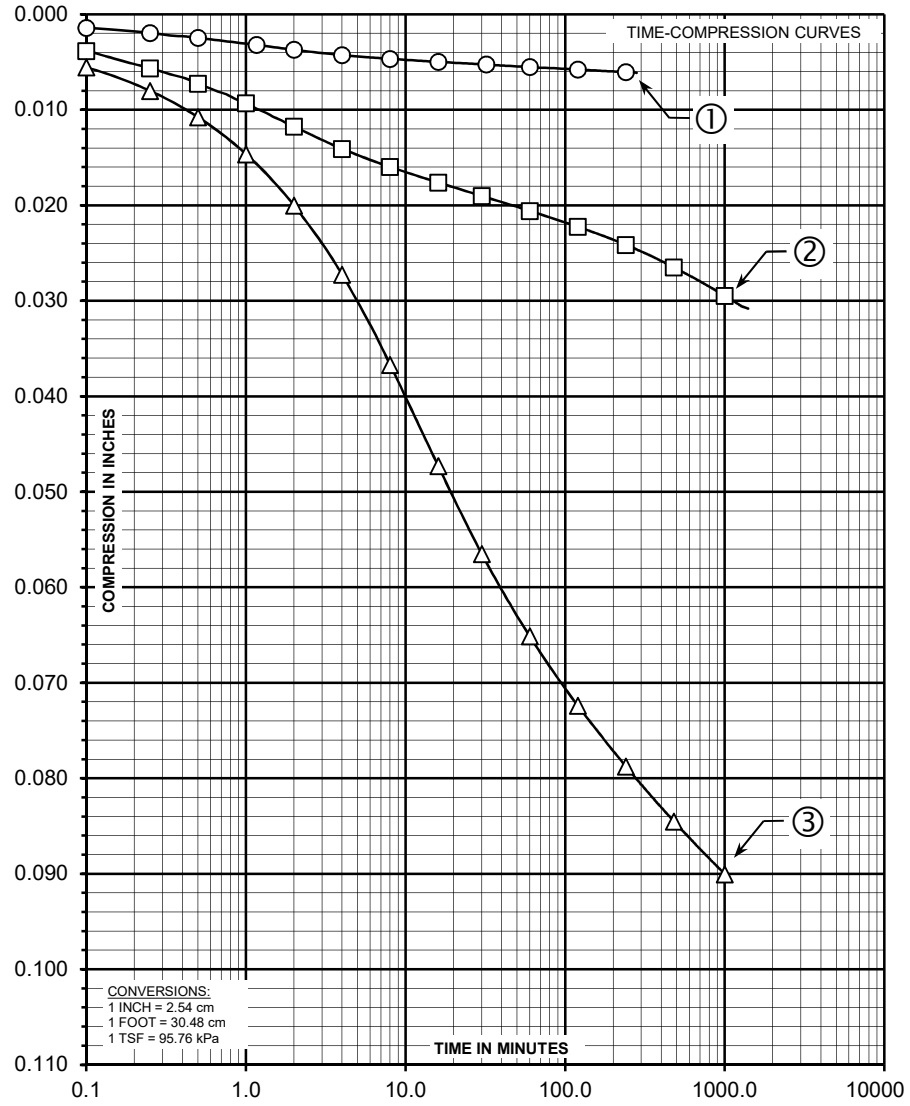
CH'KD BY: CJM DATE: 07-19-2023

CONSOLIDATION TEST

BORING NO. MR-1S SAMPLE NO. 16S

PLATE NO. C-1

MRCE Form CONSOL-1



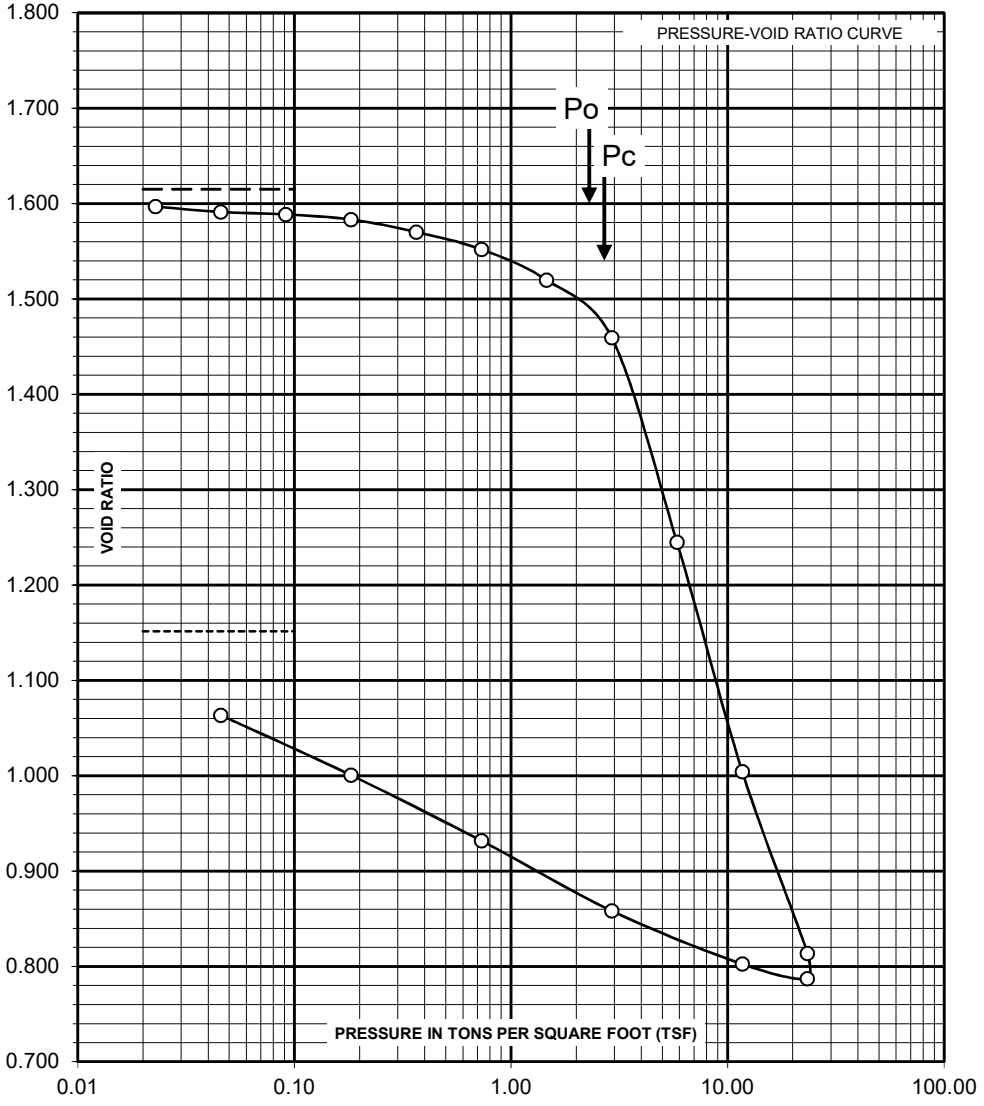


PLATE NO. C-2

CURVE NO.	INCREMENT FROM (TSF)	INCREMENT TO (TSF)
○	0.37	0.73
□	1.46	2.92
△	2.92	5.84

SPECIMEN DESCRIPTION: STIFF GRAY ORGANIC SILTY CLAY, TRACE FINE SAND, SHELLS

STRATUM O

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

UNIFIED SOILS CLASSIFICATION - OH
LIQUID LIMIT, w_L = 66
PLASTIC LIMIT, w_P = 32
PLASTICITY INDEX, I_P = 33
NATURAL WATER CONT., W_n% = 56.57
LIQUIDITY INDEX, $(w\text{-}w_P)/I_P$ = 0.72
SPECIFIC GRAVITY, G_s = 2.695

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN = -65.8
DEPTH OF SPECIMEN (FT) = 74.5
DIAMETER OF SPECIMEN (IN) = 2.51
INITIAL THICKNESS OF SPECIMEN (IN) = 1.002
INITIAL WATER CONTENT, % = 59.6
FINAL WATER CONTENT, % = 44.1
INITIAL DEGREE OF SATURATION, % = 99.4
FINAL DEGREE OF SATURATION, % = 103.3

INITIAL VOID RATIO, e_o = 1.615
FINAL VOID RATIO, e_f = 1.152
$\Delta e/e_0$ AT IN-SITU EFF. OVERBURDEN STRESS = 0.077
ESTIMATED PRECONSOLIDATION STRESS (TSF), P_c = 2.7
IN-SITU EFFECTIVE OVERBURDEN STRESS (TSF), P_o = 2.3
COMPRESSION INDEX, C_c = 0.780
SWELLING INDEX, Cs = 0.100, REBOUND FROM e = 0.787

WORK METHOD, ESTIMATED P_c = 2.66 tsf

SHF: CONEY ISLAND SITE

BROOKLYN NY

MUESER RUTLEDGE CONSULTING ENGINEERS

225 WEST 34TH STREET, NEW YORK, N.Y. 10122

MADE BY: CJM/SJ DATE: 07-19-2023 FILE NO. **14653**

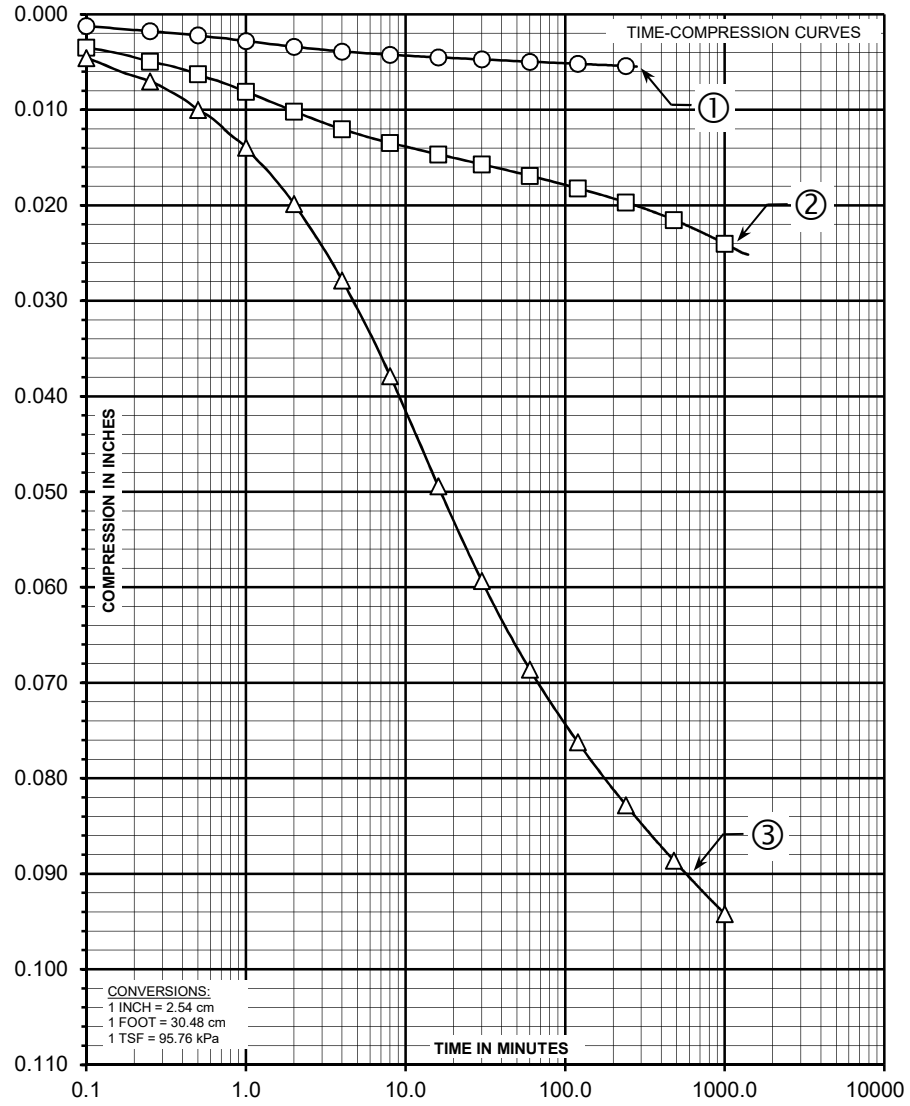
CH'KD BY: CJM DATE: 07-19-2023

CONSOLIDATION TEST

BORING NO. MR-2S SAMPLE NO. 19S

PLATE NO. C-2

MRCE Form CONSOL-1



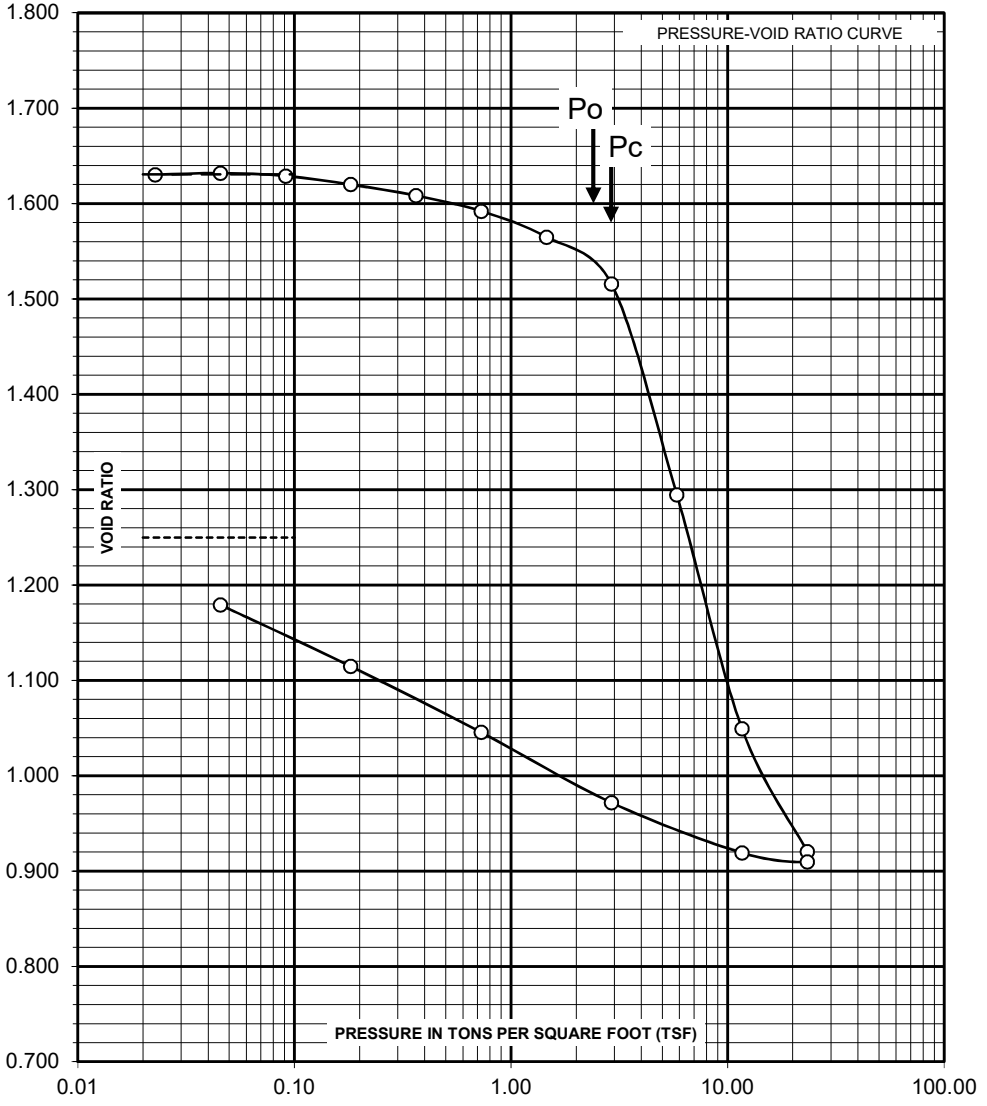


PLATE NO. C-3

CURVE NO.	INCREMENT FROM (TSF)	INCREMENT TO (TSF)
○	0.36	0.73
□	1.46	2.92
△	2.92	5.83

SPECIMEN DESCRIPTION: STIFF GRAY ORGANIC SILTY CLAY, TRACE FINE TO MEDIUM SAND — STRATUM O

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

UNIFIED SOILS CLASSIFICATION - CH-OH
LIQUID LIMIT, w_L = 73
PLASTIC LIMIT, w_P = 32
PLASTICITY INDEX, I_P = 41
NATURAL WATER CONT., W_n% = 57.81
LIQUIDITY INDEX, $(w-w_P)/I_P$ = 0.62
SPECIFIC GRAVITY, G_s = 2.711

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN = -70.6
DEPTH OF SPECIMEN (FT) = 79.3
DIAMETER OF SPECIMEN (IN) = 2.50
INITIAL THICKNESS OF SPECIMEN (IN) = 1.003
INITIAL WATER CONTENT, % = 59.8
FINAL WATER CONTENT, % = 46.4
INITIAL DEGREE OF SATURATION, % = 99.4
FINAL DEGREE OF SATURATION, % = 100.7

— — — — INITIAL VOID RATIO, e_o = 1.631
---------- FINAL VOID RATIO, e_f = 1.250
$\Delta e/e_0$ AT IN-SITU EFF. OVERBURDEN STRESS = 0.056
ESTIMATED PRECONSOLIDATION STRESS (TSF), P_c = 2.9
IN-SITU EFFECTIVE OVERBURDEN STRESS (TSF), P_o = 2.4
COMPRESSION INDEX, C_c = 0.811
SWELLING INDEX, Cs = 0.105, REBOUND FROM e = 0.910

WORK METHOD, ESTIMATED P_c = 2.75 tsf

SHF: CONEY ISLAND SITE

BROOKLYN NY

MUESER RUTLEDGE CONSULTING ENGINEERS
225 WEST 34TH STREET, NEW YORK, N.Y. 10122

MADE BY: CJM/SJ DATE: 07-19-2023 FILE NO. **14653**
CH'KD BY: CJM DATE: 07-19-2023

CONSOLIDATION TEST
BORING NO. MR-2S SAMPLE NO. 21S

PLATE NO. C-3

MRCE Form CONSOL-1

Available Laboratory Data

Report on Foundations
Coney Island I
Community Development Area Sites 4 & 5
Prepared by MRCE
Dated June 1971

TABLE NO. I

SUMMARY OF LABORATORY TEST DATA

SAMPLE IDENTIFICATION				CLASSIFICATION PROPERTIES								PHYSICAL PROPERTIES											
												STRENGTH								CONSOLIDATION					
												UNCONFINED COMPRESSION			TRIAXIAL COMPRESSION										
BORING NO.	SAMPLE NO.	DEPTH FT.	SOIL TYPE	NATURAL WATER CONTENT %(w) AVERAGE OF ENTIRE SAMPLE	LIQUID LIMIT (w_L)	PLASTICITY INDEX (I_p)	NATURAL WATER CONTENT OF LIMIT SAMPLE %(w)	SPECIFIC GRAVITY OF SOLIDS (G)	% SAND	% SILT	% CLAY	COMPRESSIVE STRENGTH TSF	WATER CONTENT AT END OF TEST %	STRAIN AT FAILURE %	TYPE OF TEST	DEVIATOR STRESS ($\sigma_1 - \sigma_3$) TSF	CONFINING PRESSURE (σ_3) TSF	NATURAL WATER CONTENT %	WATER CONTENT AT END OF TEST %	NATURAL WATER CONTENT %	EXISTING OVERBURDEN STRESS TSF	ESTIMATED PROBABLE PRECONSOLIDATION STRESS - TSF	COMPRESSION INDEX C_c	SWELLING INDEX C_s	VOID RATIO AT START OF SWELL, e_o
UD-1	32U	66.0	OL	35	40.9	17.0	31.9	2.75												38.8	2.2	2.8	0.35	0.02	1.009
																								0.05	0.704
	33U	71.0	OH	58	81.7	36.9	58.3	2.71												58.8	2.3	2.7	0.96	0.05	1.464
																								0.10	0.990
	34U	76.0	OH	53	66.4	31.7	52.3	2.74												53.0	2.4	2.8	0.75	0.06	1.129
																								0.10	0.775
	35U	81.0	OH	50	75.7	36.6	48.7	2.75												51.8	2.5	2.8	0.75	0.05	1.340
																								0.11	0.922
	36U	84.0	SC	23																					

DESCRIPTION OF SOIL TYPES

SOIL TYPES SHOWN REFER TO THE UNIFIED SOIL CLASSIFICATION SYSTEM

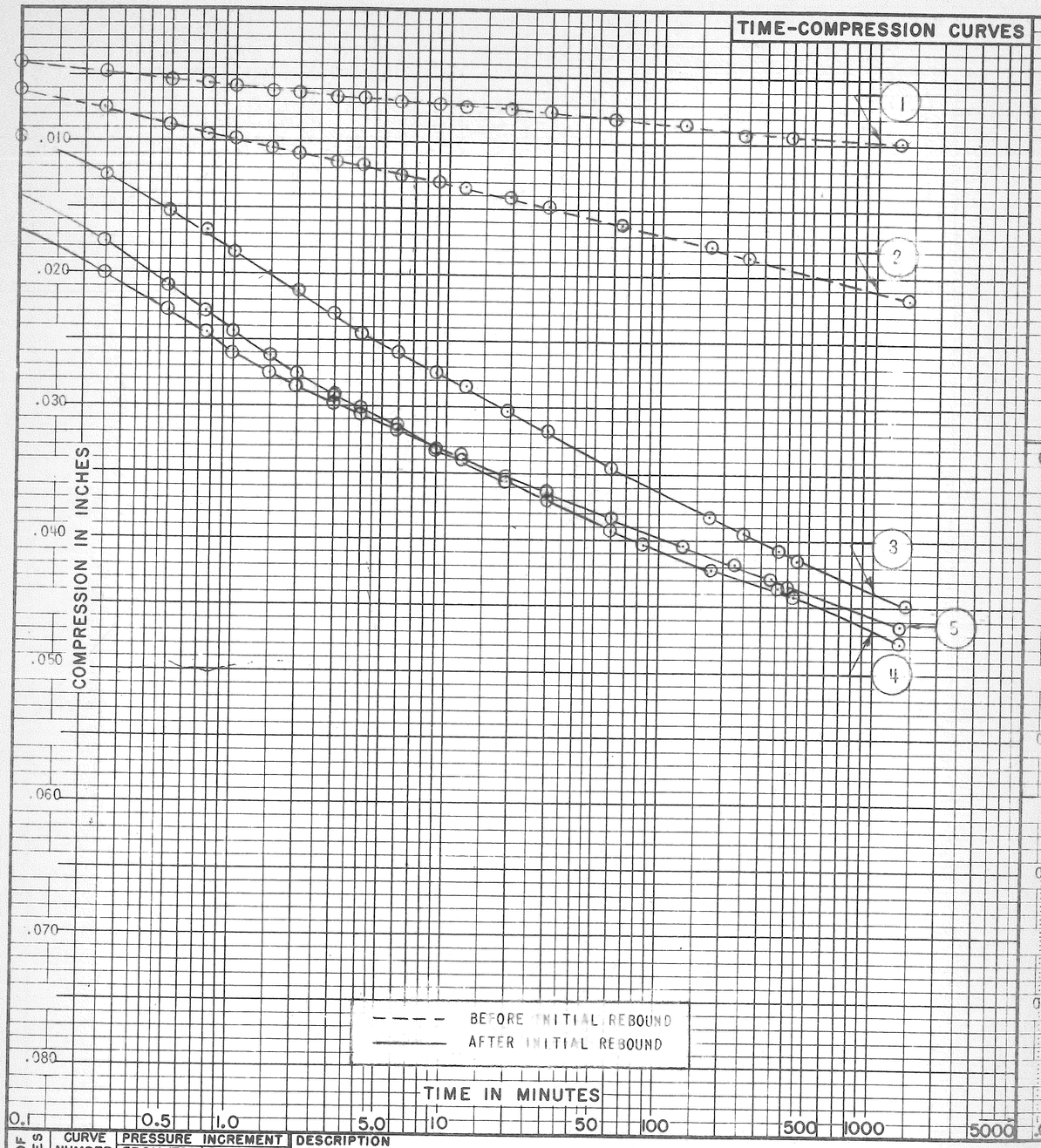
NOTES

1. All tests summarized above were performed in the soils laboratory of Mueser, Rutledge, Wentworth & Johnston.
2. The sample depth listed above is the average depth of the sample.
3. Ground surface elevation of Boring No. UD-1 is +5.60.
4. "Natural water content of entire sample" is a weighted average of all material types recovered.
5. Compression index C_c - Straight line portion of the virgin curve of consolidation test $e = e_o - C_c \text{ Log } P/P_o$
6. Swelling index C_s - Straight line portion of the rebound curve of consolidation test $e = e_o - C_s \text{ Log } P/P_o$

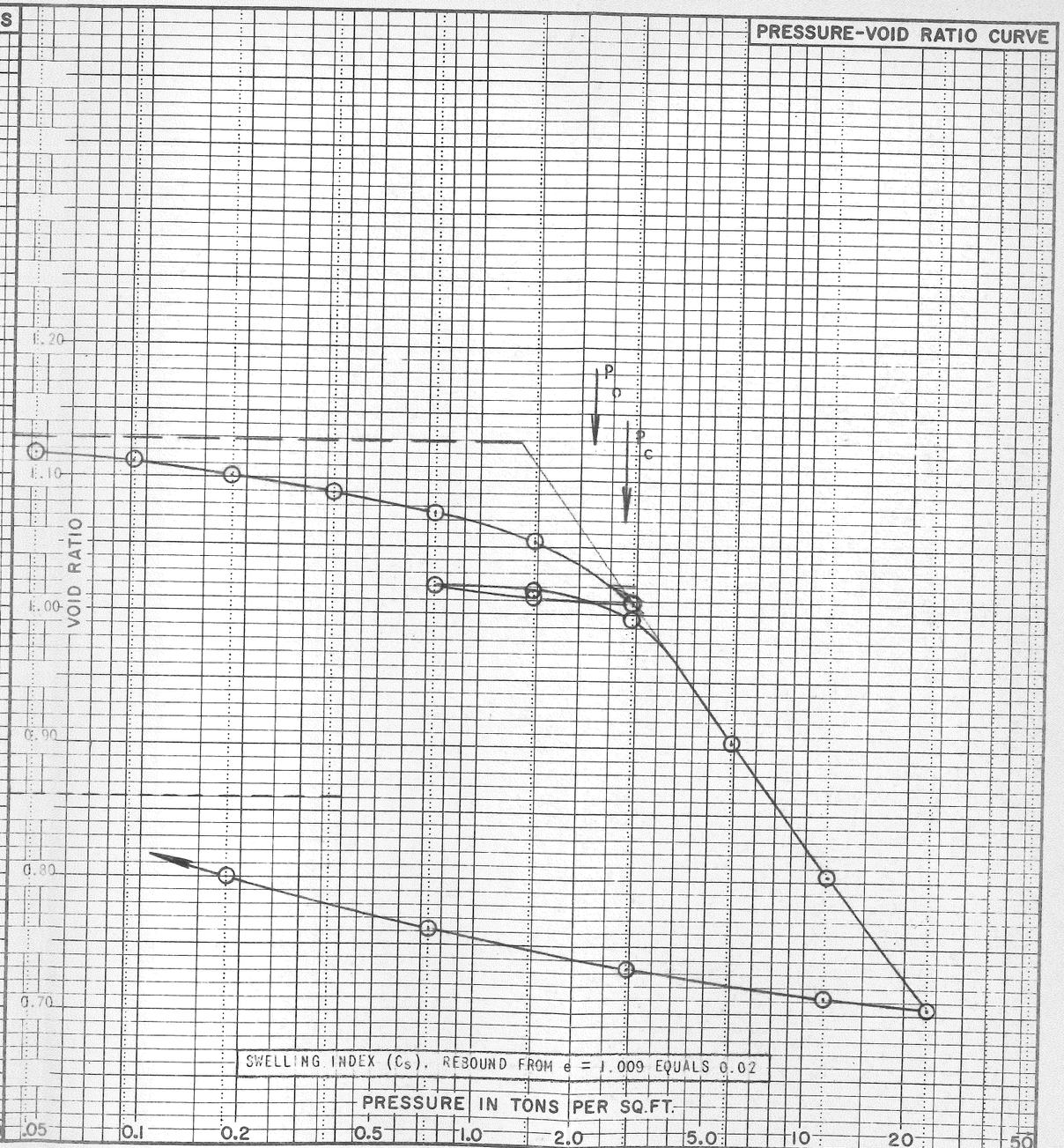
MUESER, RUTLEDGE, WENTWORTH & JOHNSTON
CONSULTING ENGINEERS
415 MADISON AVENUE
NEW YORK, N.Y. 10017

CONEY ISLAND SITES 4 AND 5
NEW YORK CITY HOUSING AUTHORITY

TIME-COMPRESSION CURVES



PRESSURE-VOID RATIO CURVE



PRESSURE INCREMENTS OF TIME-COMPRESSION CURVES

CURVE NUMBER	PRESSURE INCREMENT FROM (TSF)	TO (TSF)
①	0.733	1.47
②	1.47	2.93
③	2.93	5.87
④	5.87	11.7
⑤	11.7	23.5
⑥		
⑦		
⑧		

DESCRIPTION OF SPECIMEN: STIFF DARK GRAY ORGANIC SANDY CLAY, TRACE SHELLS

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

STRATUM DESIGNATION	
LIQUID LIMIT (w_L)	40.9
PLASTIC LIMIT (w_p)	23.9
PLASTICITY INDEX (I_p)	17.0
NATURAL WATER CONT. % (w)	31.9
LIQUIDITY INDEX = $\frac{w - w_p}{I_p}$	0.47
SPECIFIC GRAVITY (G)	2.75

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN	-60.8	INITIAL VOID RATIO (e_o), SHOWN THUS: —— ——	1.129
DEPTH OF SPECIMEN (FT.)	66.4	FINAL VOID RATIO (e_f), SHOWN THUS: - - - - - -	0.860
DIAMETER OF SPECIMEN (IN.)	2.50	MOST PROBABLE PRECONSOLIDATION STRESS (TSF) SHOWN THUS: P_c	2.8
INITIAL THICKNESS OF SPECIMEN (IN.)	1.009	EXISTING OVERBURDEN STRESS (TSF) SHOWN THUS: P_o	2.2
INITIAL WATER CONTENT %	38.8	COMPRESSION INDEX (C_c)	0.35
FINAL WATER CONTENT %	30.8	SWELLING INDEX (C_s), REBOUND FROM e = 0.704	0.05
INITIAL DEGREE SATURATION %	94.6		
FINAL DEGREE SATURATION %	98.5		

CONEY ISLAND SITES 4 AND 5
NEW YORK CITY HOUSING AUTHORITY

MUESER·RUTLEDGE·WENTWORTH & JOHNSTON
CONSULTING ENGINEERS
415 MADISON AVE. NEW YORK 17, N.Y.

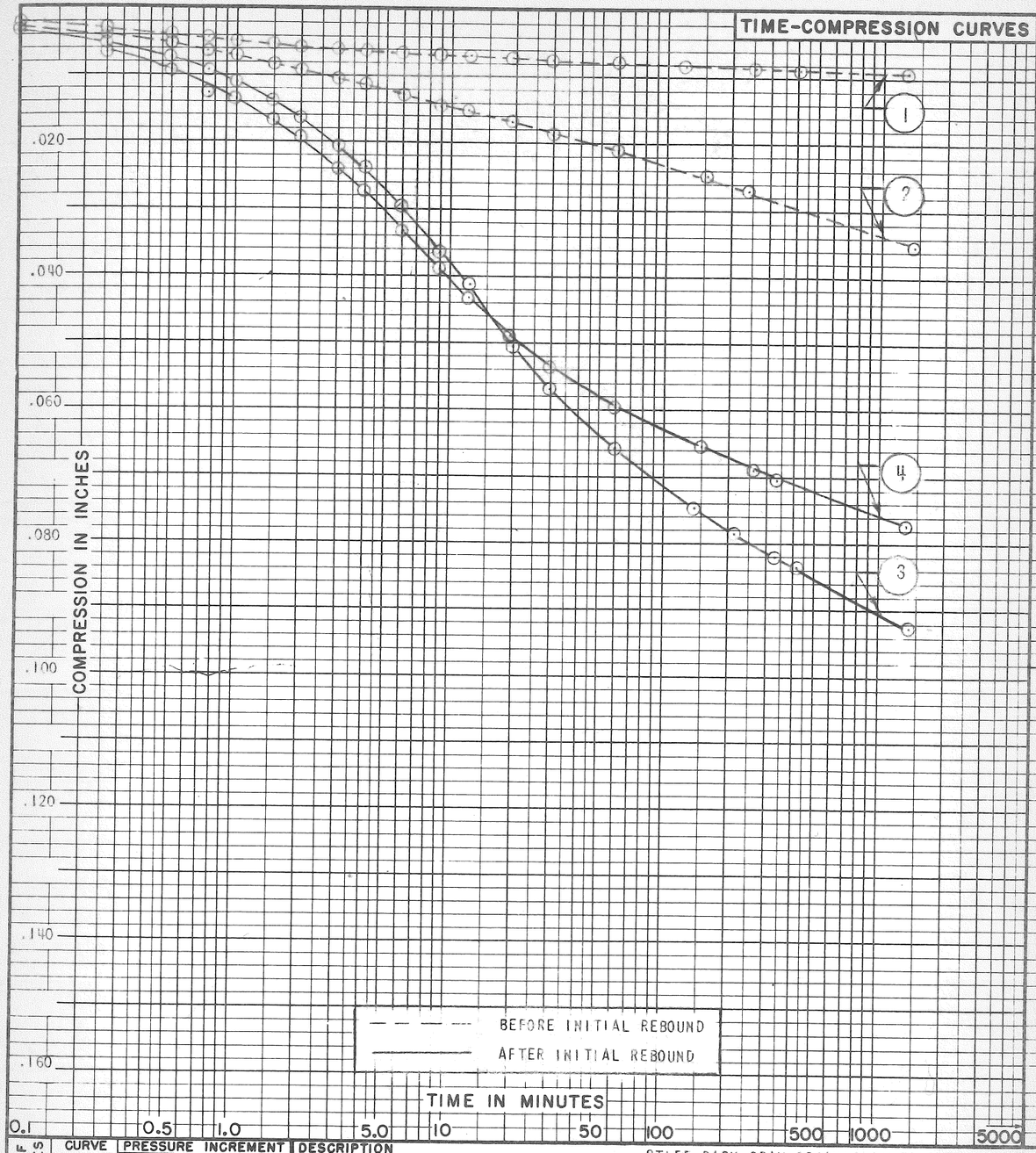
MADE BY: AAK DATE: 2-16-71
CH'KD BY: VLT DATE: 3-8-71

FILE NO. 3789

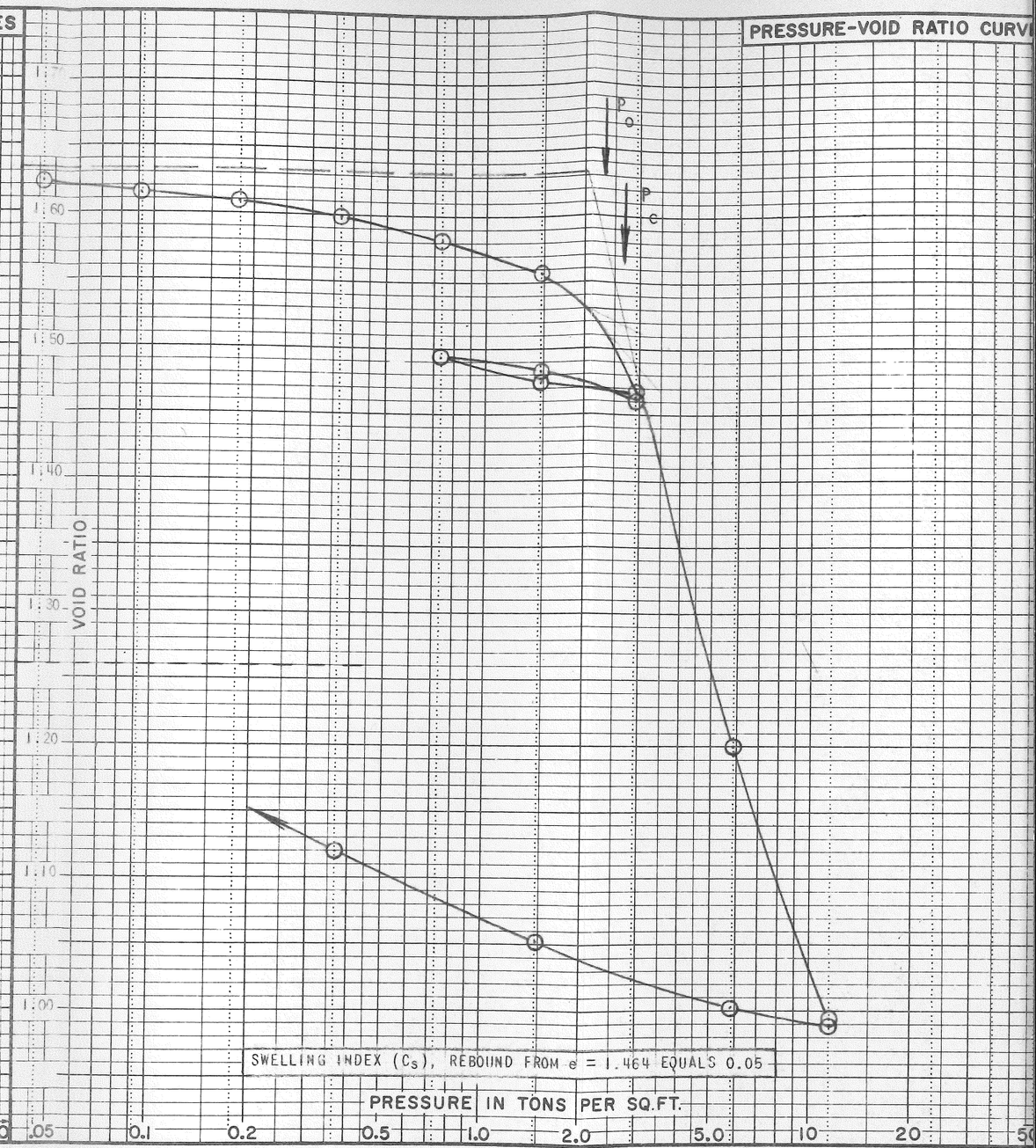
CONSOLIDATION TEST
BORING NO. UD-1 SAMPLE NO. 32U

PLATE NO. 3

TIME-COMPRESSION CURVES



PRESSURE-VOID RATIO CURVE



PRESSURE INCREMENTS OF TIME-COMPRESSION CURVES

CURVE NUMBER	PRESSURE INCREMENT FROM (TSF)	TO (TSF)
①	0.733	1.47
②	1.47	2.93
③	2.93	5.87
④	5.87	11.7
⑤		
⑥		
⑦		
⑧		

DESCRIPTION OF SPECIMEN: STIFF DARK GRAY ORGANIC SILTY CLAY, TRACE SHELLS AND VEGETATION

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

STRATUM DESIGNATION	
LIQUID LIMIT (w_L)	81.7
PLASTIC LIMIT (w_p)	44.8
PLASTICITY INDEX (I_p)	36.9
NATURAL WATER CONT. % (w)	58.3
LIQUIDITY INDEX = $\frac{w - w_p}{I_p}$	0.37
SPECIFIC GRAVITY (G)	2.71

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN	-65.7	INITIAL VOID RATIO (e_o), SHOWN THUS: —— ——	1.632
DEPTH OF SPECIMEN (FT.)	71.3	FINAL VOID RATIO (e_f), SHOWN THUS: – – – – – –	1.260
DIAMETER OF SPECIMEN (IN.)	2.50	MOST PROBABLE PRECONSOLIDATION STRESS (TSF) SHOWN THUS: P_c↓	2.7
INITIAL THICKNESS OF SPECIMEN (IN.)	1.000	EXISTING OVERBURDEN STRESS (TSF) SHOWN THUS: P_o↓	2.3
INITIAL WATER CONTENT %	58.8	COMPRESSION INDEX (C_c)	0.96
FINAL WATER CONTENT %	46.5	SWELLING INDEX (C_s), REBOUND FROM e = 0.990	0.10
INITIAL DEGREE SATURATION %	97.7		
FINAL DEGREE SATURATION %	100.0		

CONEY ISLAND SITES 4 AND 5
NEW YORK CITY HOUSING AUTHORITY

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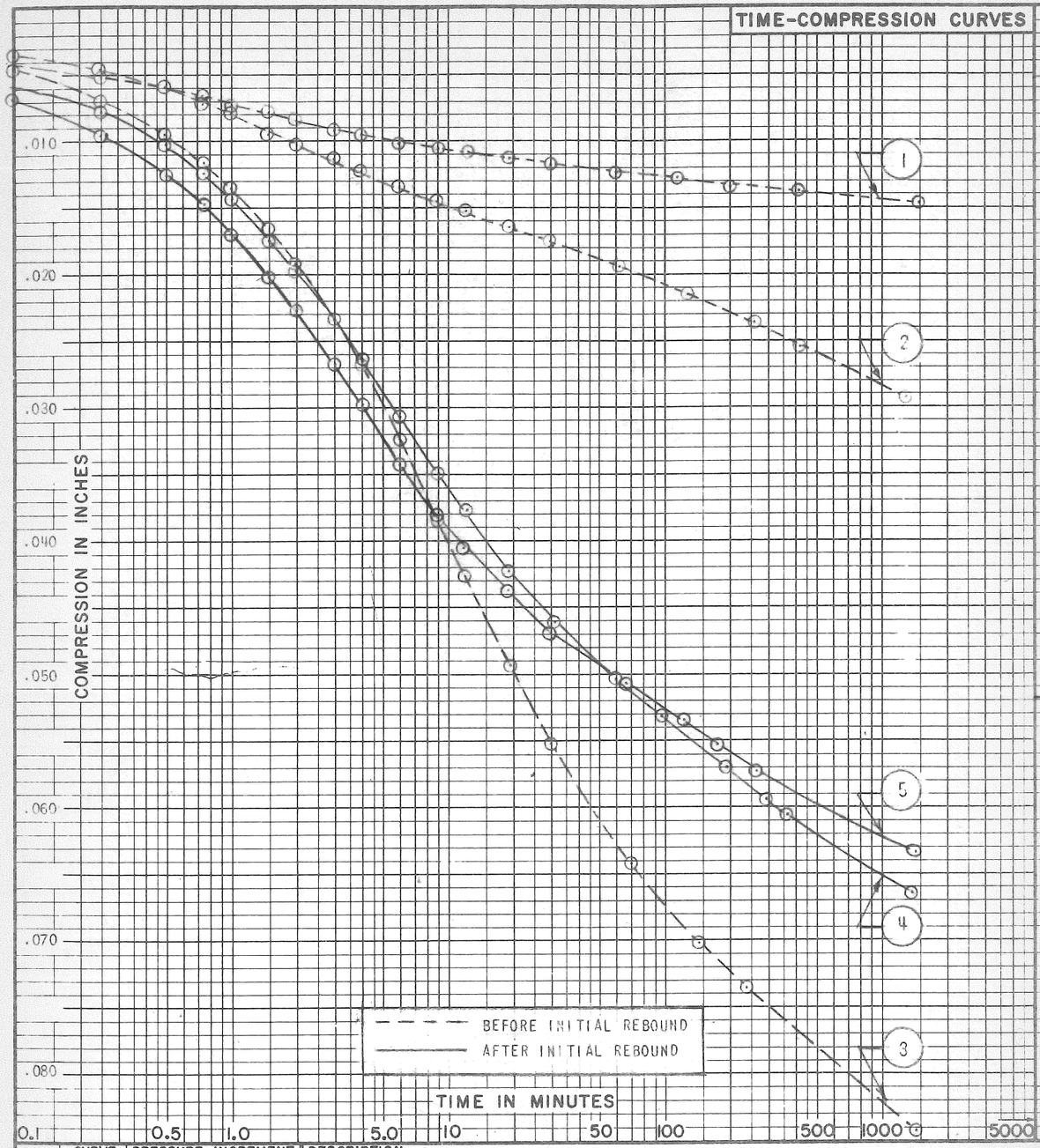
MADE BY: AAK DATE: 2-11-71
CH'KD BY: VLT DATE: 3-8-71

FILE NO. 3789

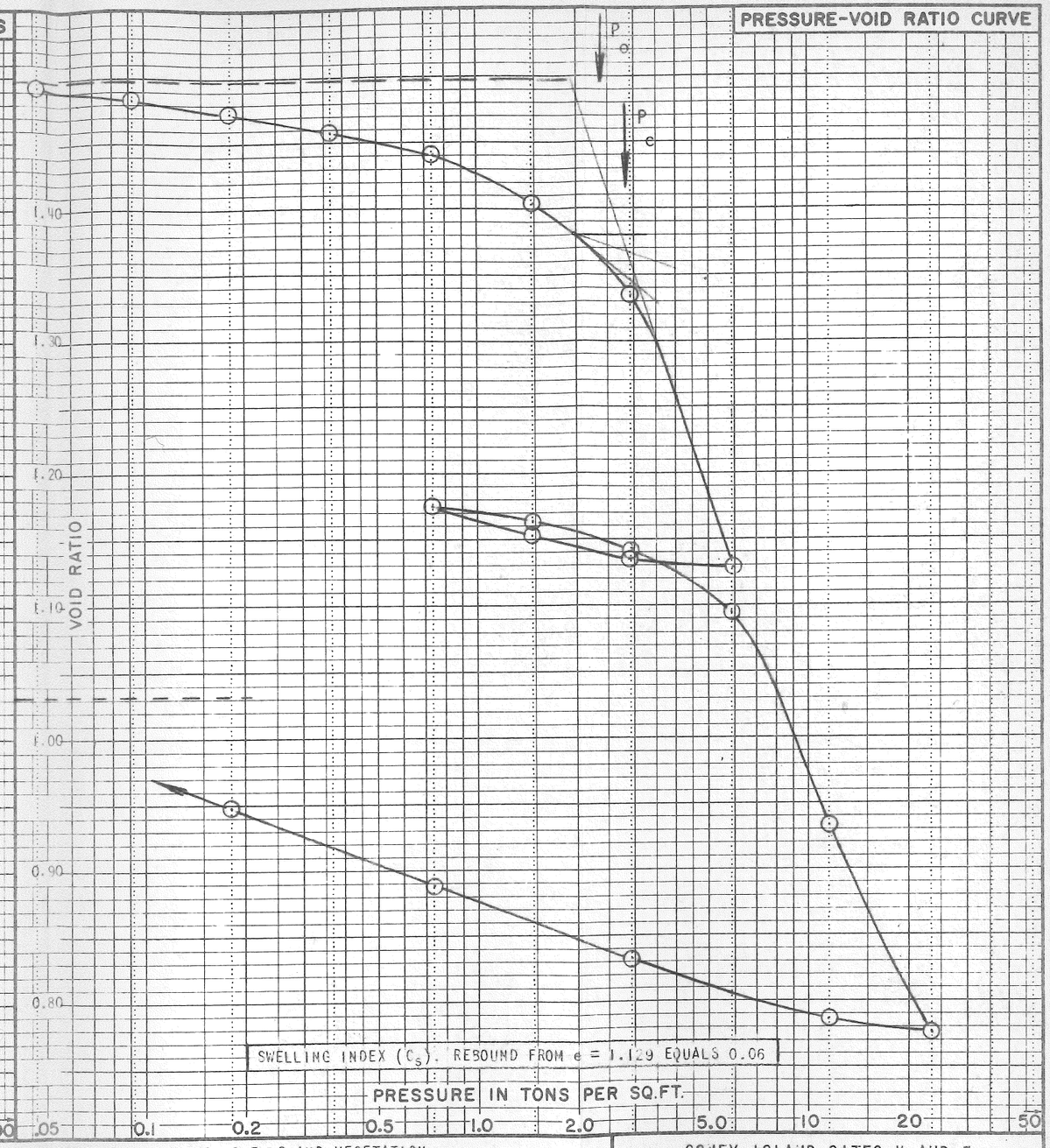
CONSOLIDATION TEST
BORING NO. UD-1 SAMPLE NO. 33U

PLATE NO. 4

TIME-COMPRESSION CURVES



PRESSURE-VOID RATIO CURVE



PRESSURE INCREMENTS OF TIME-COMPRESSION CURVES

CURVE NUMBER	PRESSURE INCREMENT FROM (TSF)	TO (TSF)
①	0.733	1.47
②	1.47	2.93
③	2.93	5.87
④	5.87	11.7
⑤	11.7	23.5
⑥		
⑦		
⑧		

DESCRIPTION OF SPECIMEN: STIFF DARK GRAY ORGANIC SILTY CLAY, TRACE FINE SAND POCKETS, SHELLS AND VEGETATION

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

STRATUM DESIGNATION	
LIQUID LIMIT (w_L)	66.4
PLASTIC LIMIT (w_p)	34.7
PLASTICITY INDEX (I_p)	31.7
NATURAL WATER CONT. % (w)	52.3
LIQUIDITY INDEX = $\frac{w - w_p}{I_p}$	0.56
SPECIFIC GRAVITY (G)	2.74

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN	-69.7
DEPTH OF SPECIMEN (FT.)	75.3
DIAMETER OF SPECIMEN (IN.)	2.50
INITIAL THICKNESS OF SPECIMEN (IN.)	1.017
INITIAL WATER CONTENT %	53.0
FINAL WATER CONTENT %	37.2
INITIAL DEGREE SATURATION %	97.0
FINAL DEGREE SATURATION %	98.8

INITIAL VOID RATIO (e_o), SHOWN THUS: —— ——	1.498
FINAL VOID RATIO (e_f), SHOWN THUS: - - - - - -	1.030
MOST PROBABLE PRECONSOLIDATION STRESS (TSF) SHOWN THUS: P_c↓	2.8
EXISTING OVERBURDEN STRESS (TSF) SHOWN THUS: P_o↓	2.4
COMPRESSION INDEX (C_c)	0.75
SWELLING INDEX (C_s), REBOUND FROM e = 0.775	0.10

CONEY ISLAND SITES 4 AND 5
NEW YORK CITY HOUSING AUTHORITY

MUESER · RUTLEDGE · WENTWORTH & JOHNSTON
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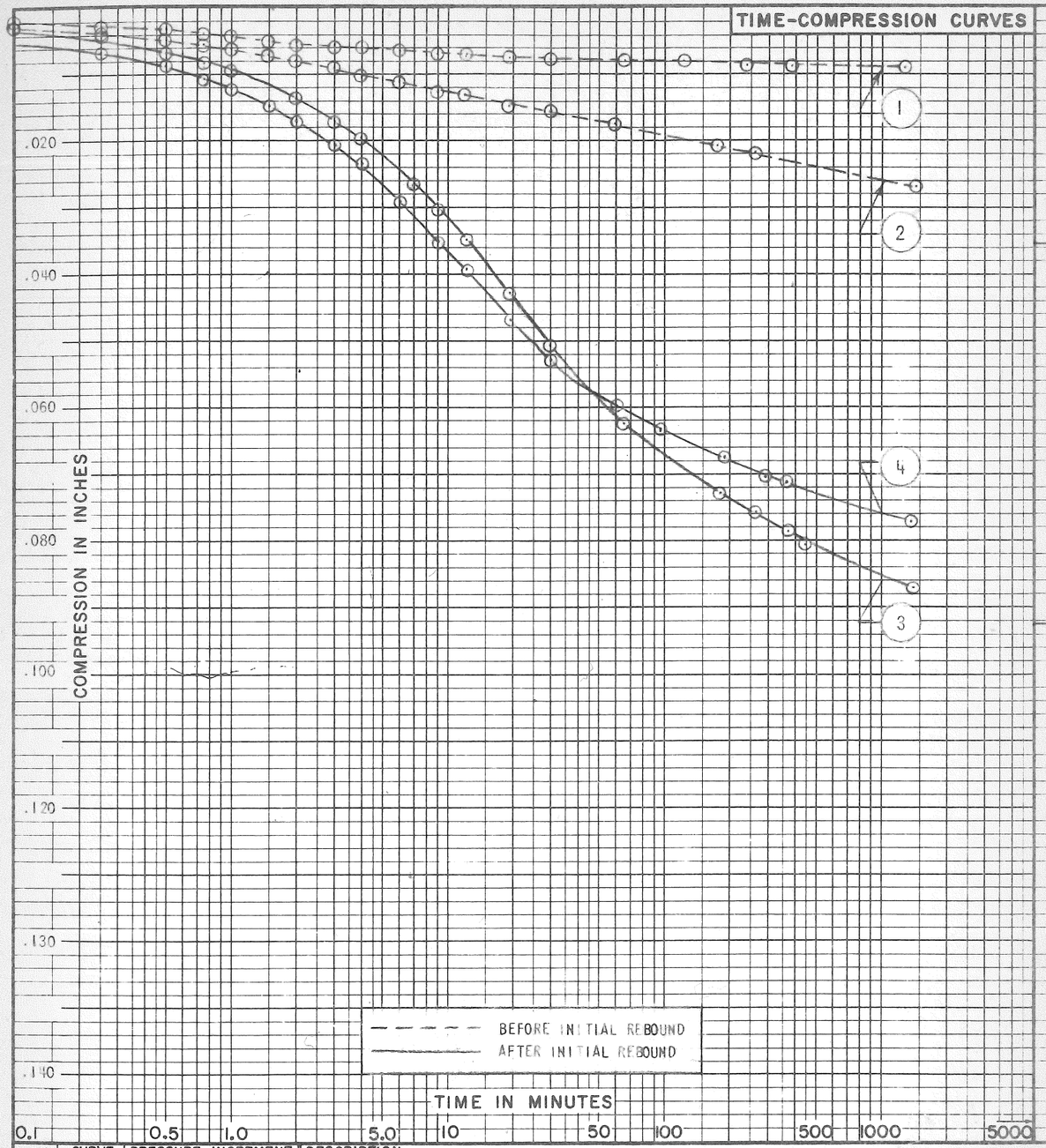
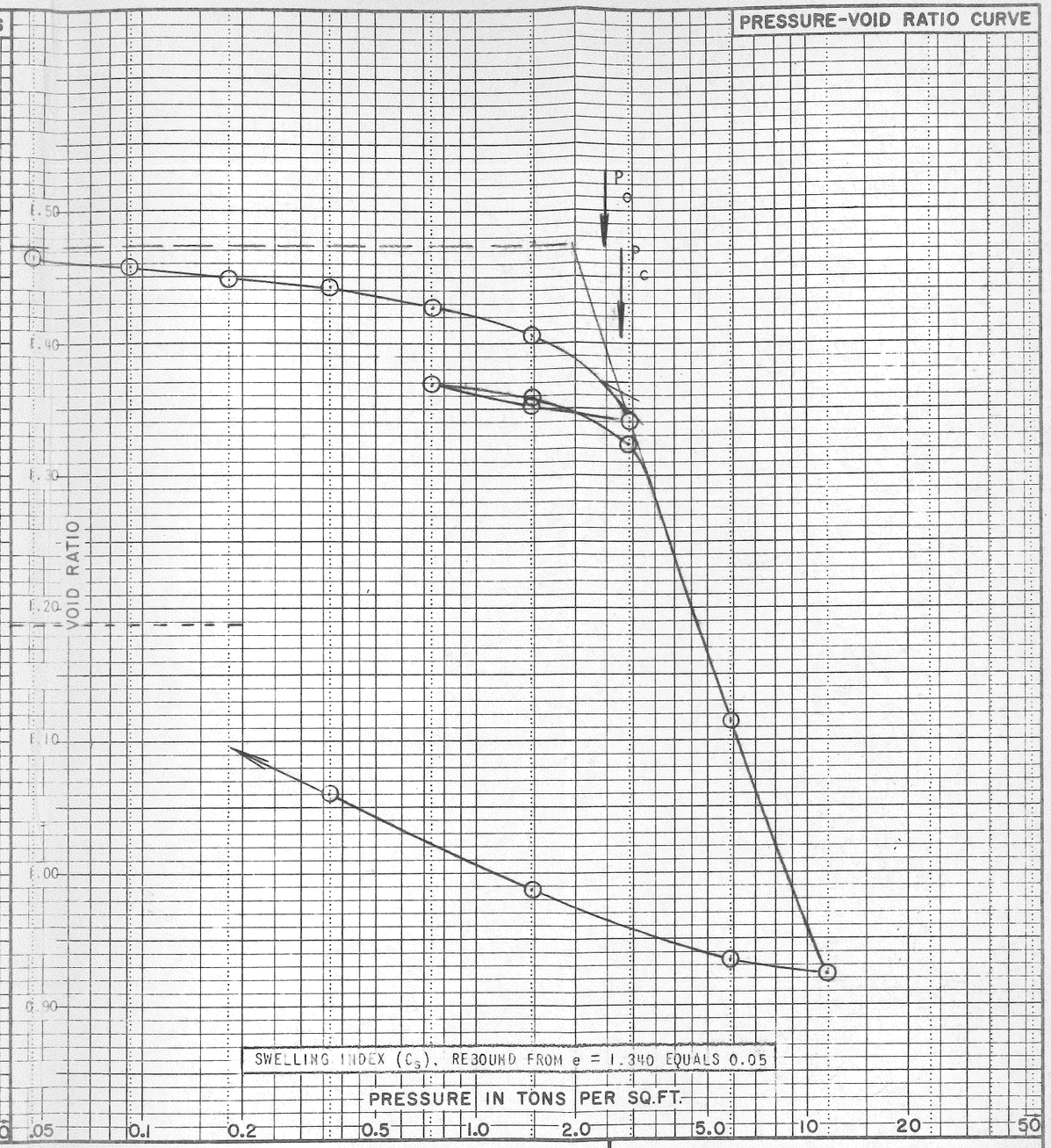
MADE BY: AAK DATE: 2-17-71
CH'KD BY: VLT DATE: 3-8-71
FILE NO. 3789

CONSOLIDATION TEST
BORING NO. UD-1 SAMPLE NO. 34U
PLATE NO. 5

TIME-COMPRESSION CURVES



PRESSURE-VOID RATIO CURVE



PRESSURE INCREMENTS OF TIME-COMPRESSION CURVES

CURVE NUMBER	PRESSURE INCREMENT FROM (TSF)	TO (TSF)
①	0.733	1.47
②	1.47	2.93
③	2.93	5.87
④	5.87	11.7
⑤		
⑥		
⑦		
⑧		

DESCRIPTION OF SPECIMEN: STIFF DARK GRAY ORGANIC SILTY CLAY, TRACE MEDIUM SAND POCKETS

PROPERTIES OF PLASTICITY LIMIT SPECIMEN

STRATUM DESIGNATION	
LIQUID LIMIT (w_L)	75.7
PLASTIC LIMIT (w_p)	39.1
PLASTICITY INDEX (I_p)	36.6
NATURAL WATER CONT. % (w)	48.7
LIQUIDITY INDEX = $\frac{w - w_p}{I_p}$	0.26
SPECIFIC GRAVITY (G)	2.75

PROPERTIES OF CONSOLIDATION SPECIMEN

ELEVATION OF SPECIMEN	-75.6
DEPTH OF SPECIMEN (FT.)	81.2
DIAMETER OF SPECIMEN (IN.)	2.50
INITIAL THICKNESS OF SPECIMEN (IN.)	1.019
INITIAL WATER CONTENT %	51.8
FINAL WATER CONTENT %	42.3
INITIAL DEGREE SATURATION %	96.5
FINAL DEGREE SATURATION %	98.0

INITIAL VOID RATIO (e_o), SHOWN THUS: —— ——	1.473
FINAL VOID RATIO (e_f), SHOWN THUS: - - - - - -	1.188
MOST PROBABLE PRECONSOLIDATION STRESS (TSF) SHOWN THUS: P_c	2.8
EXISTING OVERBURDEN STRESS (TSF) SHOWN THUS: P_o	2.5
COMPRESSION INDEX (C_c)	0.75
SWELLING INDEX (C_s), REBOUND FROM e = 0.922	0.11

CONEY ISLAND SITES 4 AND 5
NEW YORK CITY HOUSING AUTHORITY

MUESER·RUTLEDGE·WENTWORTH & JOHNSTON
CONSULTING ENGINEERS
415 MADISON AVE. NEW YORK 17, N.Y.

MADE BY: AAK DATE: 2-11-71
CH'KD BY: VLT DATE: 3-8-71

FILE NO. 3789

CONSOLIDATION TEST
BORING NO. UD-1 SAMPLE NO. 35U

PLATE NO. 6

APPENDIX D

Seismic Site-Response Evaluation

built on firm foundations

MEMORANDUM

Date: February 14, 2024

To: Project File

From: Masoud Janbaz, Gregory Lucking, Jesse Richins

Re: Seismic Evaluation – Site Response Analysis

File: 2828 West 28th Street, Brooklyn, NY
File # 14442-Task 12

SEISMIC DESIGN

Structural design of the proposed structure is based on the 2022 New York Building Code (Code). The Code requires an evaluation of the seismic Site Class to determine the seismic design parameters and an assessment of the potential hazard of soil liquefaction under the seismic event specified by the Code. Based on the presence of potentially liquefiable soils (see liquefaction section below), a Site-Specific response study was performed to better define seismic response parameters and evaluate liquefaction potential and consequences of liquefaction in more detail.

Site-Specific Seismic Response Study

MRCE performed a site-specific seismic response study based on geologic, seismologic, and soil characteristics of the site. The site-specific analyses were performed using the 1-D equivalent-linear ground response analysis program SHAKE (Schnabel et al. 1972). The program analyzes horizontally layered soil columns excited by vertically propagating shear waves originating from the bedrock. Input for the analysis includes the shear wave velocity (v_s) profile, additional geotechnical properties for each soil stratum, and acceleration time histories at the bedrock level.

The available geotechnical information at the site indicates a relatively uniform subsurface conditions. The v_s profiles were developed based on data from empirical correlations from SPT blow count data obtained from the soil borings. The depth to bedrock and information for deeper strata was based on USGS publications and our experience from nearby sites, the Vs profiles were also based on downhole seismic CPT measurements. We performed parametric analyses to address uncertainties in properties of the soil strata and evaluation of v_s by considering ± 15 to 20% of the best estimates of the Vs of each stratum. The nonlinearity of the soil properties was addressed by applying appropriate shear strain dependent shear modulus reduction and damping ratio curves and evaluating site response as equivalent linear elements. The v_s values used in our analysis are shown in Table S-1.

Table 1 Shear Wave Velocity Profiles

STRATUM	DESIGN PROFILE	
	Depth (ft)	Vs (ft/s)
Loose to Compact Granular Fill - F	0-5	400
Loose Shallow Sand – S1	5-13	450
Medium Compact to Compact Sand – S2	13-56	600-800
Medium Compact Clayey Sand – SC	56-65	650
20-ft Clay - Organic Silty Clay - C	65-90	550-600
Medium Compact to Compact Sand – S3	90-122	700-1000
Jameco Gravel	122-220	1200-1250
Raritan Clay	220-255	1500-1550
Magothy Sand	255-400	1400-1550
Lloyd Sand	400-600	1650-1800
Bedrock	600	2500

For ground motion input at the bedrock level, MRCE used Code compatible time histories of acceleration, selected based on in-house site-specific Probabilistic Seismic Hazard Analysis (PSHA) deaggregation results and time histories matched using RSPMatch (Al Atik and Abrahamson 2010) to the PSHA Risk Targeted Maximum Considered Earthquake (MCE_R) response spectrum for Class B bedrock. The site-specific PSHA considered the 2014 USGS background historical seismicity source model and the updated Next Generation Attenuation for Central and Eastern North America (NGA-East) Ground Motion Models. Consistent with the Code's seismic design basis, we used input rock acceleration time histories representative of the seismic hazard at the site for the MCE_R, equivalent to an earthquake with a 2,500-year return period with appropriate risk factors according to the Code's seismic design basis applied. Three pairs of horizontal input rock acceleration time histories were applied, with each pair corresponding to two orthogonal directions of shaking.

Site-Specific Liquefaction Evaluation

Typically, loose granular soils and low-plasticity cohesive soils below the groundwater table and within 50 feet of the ground surface are subject to potential liquefaction. Based on the presence of soils matching this description at the site, we determined that a liquefaction evaluation was necessary. Groundwater observations indicate that the groundwater level is as high as approximately El. +2.0. The bottom of the proposed foundation structure is approximately 4 feet below existing grade.

A liquefaction assessment was performed to determine potential liquefaction susceptibility. We evaluated liquefaction potential of the underlying soils below the water table using the Seed and Idriss (1971) simplified procedure, as modified by the NCEER Workshops (Youd et al, 2001) with the available SPT and CPT data. Based on the measured shear wave velocities in SCPT-1 and SCPT-2, the Code specifies analyzing liquefaction potential using a peak ground acceleration PGA_M of 0.26g for the Geometric Mean Maximum Considered Earthquake (MCE_G) adjusted for Site Class effects. Based on SPT N-values and CPT measurements at the site, our analysis shows a potentially liquefiable layer about 3 feet thick within Stratum S1 in all borings and CPT probes in the depth interval between about 10 and 15 feet. Based on the presence of potentially liquefiable soils, the site is classified as Site Class F by the Code, and a site-specific seismic response evaluation is required to determine the seismic design response spectrum.

We reevaluated the liquefaction potential of the underlying soils below the groundwater table using a PGA of 0.208g based on the results of the site response study with the available SPT N-values and CPT measurements. Under the reduced PGA, our analysis shows a potentially liquefiable layer about 1 to 2 feet thick within Stratum S1 in all CPT probes and for one SPT sampling interval in Boring B-2 (Sample 5D).

Initiation of liquefaction potential can result in a significant loss of soil strength and stiffness. We understand the proposed structure will be supported on deep foundations. Liquefaction impact pile supported structures primarily by inducing settlement around the piles (a form of "downdrag" on the pile and differential settlements at connections to surrounding grades and utilities) and by reducing the ability of the soils to resist lateral loads by reducing their strength, turning them into a more cohesive state. For the design of deep foundations and connection with utilities, we have estimated the magnitude of seismically induced settlement of the soil deposit (free-field), using Zhang et al (2002) procedures to range between about 0.5 and 3 inches. However, it should be noted that accurately estimating seismically induced ground settlement is difficult and estimates should be considered approximate. Seismically induced settlemets should be considered additional to any other static settlements.

Site Class and Recommended Design Spectrum

Based on the site-specific site response study results, the recommended site-specific design response spectrum is presented in Figure S-1 as a plot of Spectral Acceleration (SA) vs. structural period (T) for structural damping (ξ) of 5%. Appropriate risk factors according to the Code's seismic design basis have been applied. The SA values correspond to 2/3 of the MCE_R. SA values for discrete structural periods are provided in the table of Figure S–1.

The limitations in applying the design spectrum of Figure S-1 are:

- Site Class is F.
- Recommended design spectrum developed for the foundation bottom elevation based on a site-specific seismic study performed by MRCE according to 2022 New York Building Code (Code). The spectral acceleration SA values correspond to 2/3 of the Risk-targeted Maximum Considered Earthquake (MCE_R) Code event.
- The recommended design response spectrum was developed based on the bottom of foundation structure, approximately 4 feet below the ground surface.
- The recommended design spectrum supersedes any generic site response spectrum and we recommend using it in accordance with ASCE 7-16 § 21.4 for the equivalent lateral force procedure. The spectrum shall be used for the range of periods shown. The SA values at 0.2 sec, S_{DS}, and at 1 sec, S_{D1}, cannot be used to generate an alternative response spectrum for the site.
- Structural damping ξ of 5%.

Based on the above S_{DS} and S_{D1} and assuming a Structural Occupancy/Risk Category II or III, the structure should be designed to Seismic Design Category B.

Office of Environmental Remediation

"E" Designation Program
Hazardous Materials
Voluntary Cleanup Program

Phase II Work Plan (Short Form)

For

Sea Park North

2828 W 28th Street, Brooklyn, NY

Tentative Block 7011, Lot 55

p/o Block 7011, Lot 11

OER Project Number 21TMP0199K

E-Designation E-447

CEQR Number 17DCP098K

Sea Park North Rezoning

Prepared for:

Gilbane Development Company
7 Jackson Walkway
Providence, Rhode Island 02903

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
209 Shafter Street, Islandia, New York
fcherena@rouxinc.com
(631) 232-2600

Introduction

This Phase II Investigation Work Plan has been developed for the above referenced site. The site is located in Coney Island in Brooklyn. The following work scope has been developed in response to Phase I ESA findings, and as per a meeting between the Project Team and New York City Office of Environmental Remediation (OER) on June 7, 2024.

Site Location, Current Use, and Proposed Development Plan

The development Site is located in the Coney Island neighborhood in the borough of Brooklyn and is identified as Block 7011 and p/o Lot 11, specifically the asphalt parking lot located in the northern portion of Lot 11 (Site), comprising a footprint of approximately 40,240 square feet of land. Currently, the Site is occupied by an asphalt parking lot for an adjacent 15-story, 180,000 gross square foot (GSF) residential building that is located in the southern portion of Block 7011, Lot 11. The redevelopment project does not include any improvements to the adjacent existing 15-story building, and a new lot (tentative Block 7011, Lot 55) will be created for this redevelopment project. The location of the development Site relative to existing Lot 11 is shown on **Figure 1**. The redevelopment project includes the construction of a new 8-story, 246-unit affordable senior housing building. The new building footprint will be approximately 22,316 square feet with a new surface parking lot area and outdoor recreation space surrounding the new building. The grade level will include utility and storage rooms, as well as parking spaces for the proposed and current building. The redevelopment does not include the construction of a subgrade cellar. The water table is expected to be encountered at approximately 4.5 and 7.5 feet below land surface (ft bls) or El. +1.25 ft and El.+1.85 ft North American Vertical Datum of 1988 (NAVD 88). Layout of the proposed Site (tentative Lot 55) development is presented in **Figure 1**.

The Site is relatively flat and ranges in elevation from El. +4.20 to +7.63 feet North American Vertical Datum of 1988 (NAVD 88).

Phase I ESA Summary

No onsite recognized environmental conditions (RECs) were identified during the Phase I ESA completed by Hillman Consulting in September 2022. There was one significant data gap (SDG) identified during the Phase I ESA, which was the lack of closure reports associated with an existing underground storage tank (UST) documenting the presence or absence of impacts to underlying environmental media upon closure of an onsite UST in 2005. The Phase I ESA reports that the UST is located within the existing playground area associated with the existing 15-story building, which is outside of the redevelopment area. The Phase I ESA is included in **Attachment 1**.

Phase II Investigation Work Scope

Geophysical Survey

A geophysical survey including ground penetrating radar (GPR) will be performed across the entire Site to investigate for the presence of potential utilities present on the Site.

Soil, Groundwater, and Soil Vapor Summary

An investigation of soil, groundwater, and soil vapor will be performed to properly characterize the Site for potential environmental impacts from historic onsite/offsite uses, operations, etc. The proposed sampling event will provide general horizontal/vertical characterization across the Site for development purposes. The sampling procedures of this investigation will be performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Technical Guidance for Site Investigation and Remediation DER-10 as well as NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), dated April 2023 under NYSDEC Part 375 Remedial Program.

Ten soil borings will be completed at the Site. Please see attached Site plan (**Figure 2**) depicting sample point locations, where soil, groundwater, and soil vapor samples will be collected. At a minimum, a total of 21 (20 parent samples and one duplicate) discrete soil samples will be collected from the ten test borings. A minimum of seven (six parent samples and one duplicate) groundwater samples will be collected. A total of 10 soil vapor samples (nine parent samples and one duplicate). Based on a review of readily available environmental reports from

nearby properties, the depth of groundwater is expected to be encountered between 4.5 and 7.5 ft bls or El. +1.25 ft and El.+1.85 ft North American Vertical Datum of 1988 (NAVD 88). A groundwater flow evaluation has not been completed at this Site, and the groundwater flow direction will be determined during the investigation. Each sample point location at the Site will be accurately measured to fixed benchmarks (i.e., select property lines, adjacent structures, etc.) or by a precision GPS that is capable of coordinating a fixed point within +/- 1 foot.

Soil Sampling

A geologist / engineer / Qualified Environmental Professional (QEP) will screen the soil samples during borehole advancement for organic vapors with a photoionization detector (PID) and will evaluate for visual and olfactory impacts prior to collecting environmental samples. All field work will be recorded in a field log. A geoprobe direct push drill rig will be used and, if necessary, more advanced drilling technology will be used to complete the Site investigation. At a minimum, two soil samples will be collected from each of the test borings and one duplicate sample (for a total of 21 soil samples) for laboratory analysis. A surface soil sample (from the 0-2 feet bls interval) and subsurface soil sample (from the 4 to 6 feet bls interval representing the 2-foot interval below the deepest excavation depth) will be collected. Discrete (grab) samples will be taken from the aforementioned sampling intervals. The subsurface soil samples may also serve as in-situ post-excavation soil samples for the remedial plan. A third soil sample may be collected from each or several test boring(s) if 1) elevated PID readings and/or visual and olfactory observations are noted during borehole advancement; and/or 2) field observations identify an upper fill layer underlain by native material. The additional soil sample would be collected from the upper zone of the native layer to help delineate the vertical migration of impacts (if any), as well as determine a more detailed remedy and potentially provide cost savings for disposal options.

Monitoring Well Installation and Groundwater Sampling

Six groundwater monitoring wells will be installed as part of the investigation. Three of the monitoring wells will be constructed as 1-inch diameter temporary monitoring wells and three will be constructed as 2-inch permanent monitoring wells. The three permanent monitoring wells will be surveyed by a trained QEP and/or New York State (NYS) licensed surveyor to facilitate preparation of a groundwater contour map and determine the direction of groundwater flow.

Representative groundwater samples will be collected using low-flow sampling techniques. Well screens will be installed based on the observed groundwater level to bridge the water table and will be appropriately packed with #2 Morie sand to a minimum of 1-foot above the top of the well screen. A representative groundwater sample will be collected from each well with a peristaltic pump and dedicated tubing. Six parent samples and one duplicate sample will be collected. Sampling will be conducted in accordance with NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and Sampling Guidelines and Protocols, dated March 1991. Groundwater wells will be gauged with a water level meter to record a depth to groundwater reading (1/100 foot), and if necessary, an interface meter to determine the thickness of light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL).

Soil Vapor Sampling

Soil vapor samples will be collected in accordance with the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York, as amended February 2024 (NYSDOH SVI Guidance). Conditions in the field may require adjustment of sampling locations. Groundwater is expected to be encountered between 4.5 and 7.5 ft bls.

Nine parent soil vapor samples, and one duplicate. Soil vapor implants will be set a minimum of 2 feet above the observed water table. Due to the anticipated shallow water table, all soil vapor monitoring points will be installed within the existing asphalt and concrete parking lot and within no less than 1 ft bls in order to limit interference of ambient air. The integrity of the soil vapor point will be confirmed prior to sampling, as discussed below. The vapor implants will be installed with a Geoprobe direct push drill rig. Sampling will occur for the duration of two hours.

Samples will be collected in appropriately sized Summa canisters that have been certified clean by the laboratory and samples will be analyzed by using United States Environmental Protection Agency (USEPA) Method TO-15. Flow rate for both purging and sampling will not exceed 0.2 L/min. 24-hours following soil vapor probe installation,

one to three implant volumes shall be purged prior to the collection of any soil-gas samples. A sample log sheet will be maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols.

As part of the vapor intrusion evaluation, a tracer gas will be used in accordance with NYSDOH SVI Guidance protocols to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. A container (box, plastic bucket, etc.) will serve to keep the tracer gas in contact with the probe during testing. A portable monitoring device will be used to analyze a sample of soil vapor for the tracer gas prior to sampling. If the tracer sample results show a significant presence of the tracer, the probe seals will be adjusted to prevent infiltration. At the conclusion of the sampling round, tracer monitoring will be performed a second time to confirm the integrity of the probe seals.

Sample Analysis

Soil, groundwater, and soil vapor samples will be submitted to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for Full analysis:

- Part 375 volatile organic compounds (VOCs) by EPA Method 8260;
- Part 375 semi-volatile organic compounds (SVOCs) by EPA Method 8270;
- Part 375 pesticides/polychlorinated biphenyls (PCBs) by EPA Method 8081/8082; and
- Part 375 metals by EPA Method 6010, 7471, 7196, and 9012B; and
- Soil vapor samples will be analyzed for VOCs by USEPA Method TO-15.

All groundwater samples will be analyzed for both filtered (dissolved) and unfiltered (total) metals.

In addition, one soil sample and three groundwater samples will also be analyzed for PFAS (NYSDEC Analyte List) by LC-MS/MS via EPA Method 1633 and 1,4-dioxane via EPA Method 8270 SIM. Sampling will be performed in accordance with *NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),* dated April 2023.

The analytical methods above should include all compounds included in NYSDEC Part 375-6.8 and CP-51 for soil, NYSDEC Part 703 Groundwater Quality Standards (GQS) (class GA) or Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for groundwater, and NYSDOH SVI Guidance Matrices for soil vapor.

While not anticipated, if either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and “fingerprint analysis” and required regulatory reporting (i.e., NYSDEC spills hotline) will be performed.

Quality Assurance/Quality Control Procedures

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

Investigation Derived Waste

Cuttings may be disposed at the Site within the borehole that generated them to within 24 inches of the surface unless:

- Free product or grossly contaminated soil, are present in the cuttings;
- The borehole has penetrated an aquitard, aquiclude or other confining layer; or extends significantly into bedrock;
- Backfilling the borehole with cuttings will create a significant path for vertical movement of contaminants. Soil additives (bentonite) may be added to the cuttings to reduce permeability; and
- The soil cannot fit into the borehole.

Those soil cuttings needing to be managed onsite will be containerized in properly labeled Department of Transportation (DOT) approved 55-gallon drums for future offsite disposal at a permitted facility. All boreholes which require drill cuttings disposal would ultimately be filled with bentonite chips (hydrated) and asphalt/concrete capping. Disposable sampling equipment including spoons, gloves, bags, paper towels, etc. that come in contact with environmental media will be double bagged and disposed as municipal trash in a facility trash dumpster as non-hazardous trash.

Reporting

A Phase II Investigation Report (template version) will be prepared following completion of the field activities and receipt of the laboratory data. The report will provide detailed summaries of the investigative findings. Soil analytical results will be compared to the NYSDEC Part 375-6.8(a) Unrestricted Used Soil Cleanup Objectives, appropriate Part 375-6.8(b) Restricted Soil Cleanup Objectives and supplemental cleanup objectives in NYSDEC CP-51 Soil Cleanup Guidance. Groundwater analytical results will be compared to NYSDEC Part 703 GQS (class GA) or Division of Water TOGS 1.1.1 AWQS. Soil vapor analytical results will be compared to NYSDOH SVI Guidance Matrices.

The report will include an updated sampling plan, spider diagrams, analytical data tables for all reported constituent compounds (including non-detectable concentrations) and remedial recommendations, as warranted.

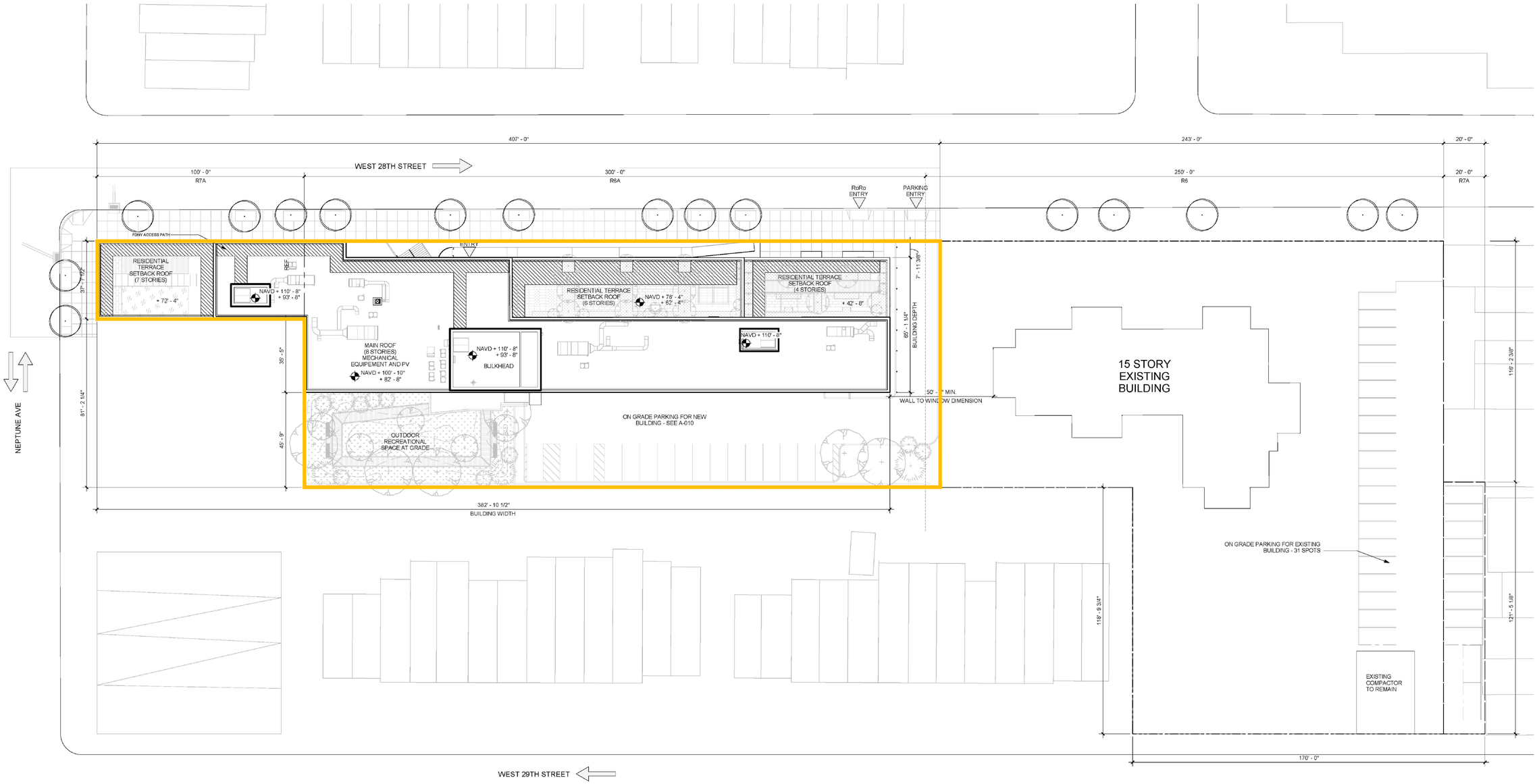
The report will also include all sampling logs and photos taken during the investigation.

Investigation HASP

An OSHA compliant Health and Safety Plan (HASP) that meets all OSHA HAZWOPER requirements will be implemented during the Site work to protect worker safety. The Site Safety Coordinator will ensure full compliance of the HASP in accordance with applicable health and safety laws and regulations. All field personnel involved in investigation activities will participate in training required under OSHA HAZWOPER 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Emergency telephone numbers will be posted at the Site location before any work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics including a highlighted route map to the nearest hospital/emergency room. Meetings will be documented in a log book or specific form. Potential onsite chemicals of concern include VOCs, SVOCs, Pesticides/PCBs, and Metals (specifically arsenic, lead, and mercury at a minimum). Information fact sheets and/or summary tables for each contaminant group will be included in the HASP. A copy of this HASP will be onsite during each sampling event.

FIGURES

1. Site Location
2. Proposed Sample Locations



N

35' 0 35'

LEGEND

SITE BOUNDARY

Title:

SITE LOCATION

2828 WEST 28TH STREET
BROOKLYN, NEW YORK

Prepared for:

GILBANE DEVELOPMENT COMPANY

ROUX

Compiled by: S.C.	Date: 7/15/2024	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: S.C.	Project: 3868.0006Y000	
File: 3868.0006Y100.01.DWG		

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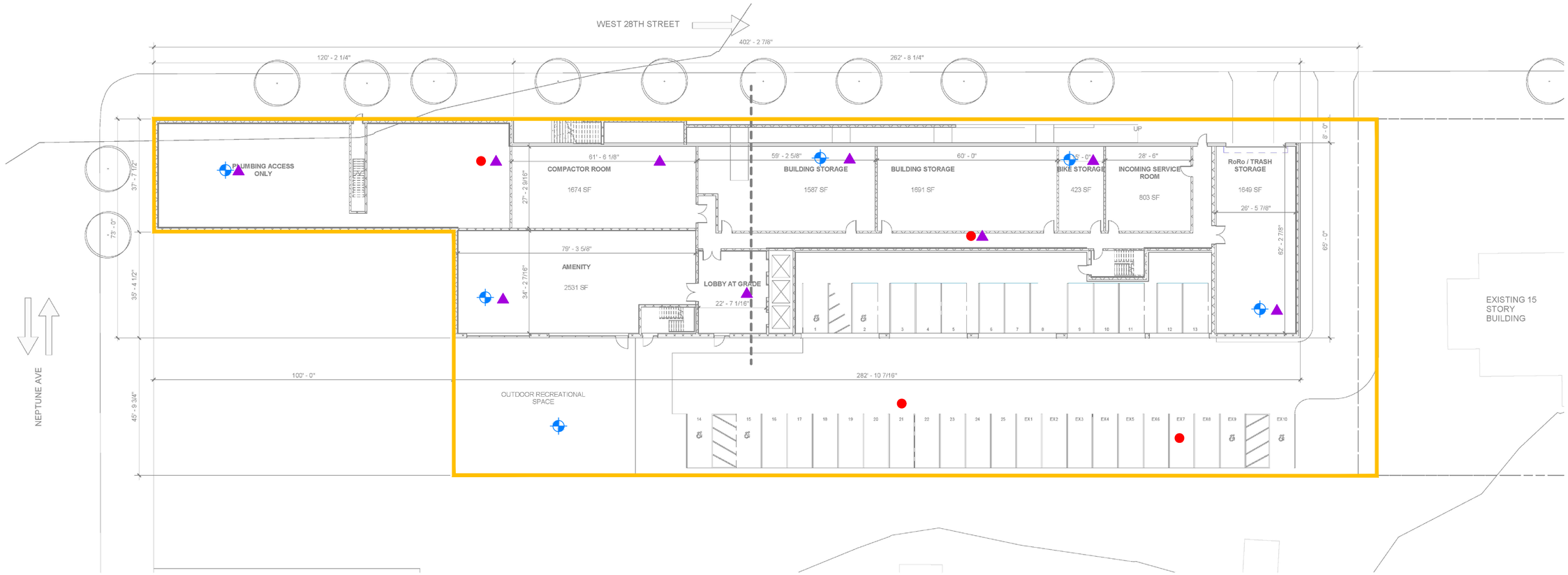

LEGEND

- SITE BOUNDARY
- PROPOSED SOIL BORING AND TEMPORARY MONITORING WELL LOCATION
- PROPOSED TEMPORARY SOIL VAPOR POINT LOCATION
- PROPOSED SOIL BORING LOCATION

N

25' 0 25'

Title:

PROPOSED SAMPLE LOCATIONS

2828 WEST 28TH STREET
BROOKLYN, NEW YORK

Prepared for:

GILBANE DEVELOPMENT COMPANY

ROUX

Compiled by: S.C.	Date: 7/26/2024	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr: S.C.	Project: 3868.0006Y000	
File: 3868.0006Y100.01.DWG		

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ATTACHMENT 1

Phase I Environmental Site Assessment

HILLMANN
CONSULTING

PHASE I ENVIRONMENTAL SITE ASSESSMENT

2828 West 28th Street
Brooklyn, New York 11224

Prepared For:

Gilbane Development Company
7 Jackson Walkway
Providence, RI 02903

September 19, 2022

Hillmann Project Number Z34991.3

HILLMANN
CONSULTING

September 19, 2022

Blaise Rastello
Development Director / Affordable Housing
Gilbane Development Company
7 Jackson Walkway
Providence, RI 02903

RE: Phase I Environmental Site Assessment
2828 West 28th Street
Brooklyn, New York 11224
Hillmann Project No: Z34991.3

Dear Blaise Rastello:

Hillmann Consulting LLC has completed a Phase I Environmental Site Assessment of the above referenced property. This assessment was performed in conformance with the scope and limitations of ASTM Practice E 1527-21, which is the latest version of the E1527 standard published by the ASTM.

We appreciate the opportunity to provide environmental due diligence services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact our office at 908-688-7800.

Sincerely,

Hillmann Consulting, LLC

Chris Hirschmann
Director, Environmental Services

Etan Hindin
Senior Project Manager

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List of Abbreviations/Acronyms

Hillmann may use the following abbreviations and acronyms for common terminology described in our report. Not all abbreviations or acronyms may be applicable to this report:

ACM	– Asbestos Containing Material
AOC	– Area of Concern
AST	– Aboveground Storage Tank
ASTM	– American Society for Testing Materials
BER	– Business Environmental Risk
CEA	– Classification Exception Area
CERCLA	– Comprehensive Environmental Response Compensation and Liability Act
CERCLIS	– Comprehensive Environmental Response Compensation and Liability Information System
CESQG	– Conditionally Exempt Small Quantity Generator
COC	– Chemicals of Concern
CORRACTS	– Corrective Action Sites
CREC	– Controlled Recognized Environmental Condition
DEC	– Department of Environmental Conservation
DEP	– Department of Environmental Protection
DHS	– Department of Health Services
DNPL	– Delisted National Priority List
DOB	– Department of Buildings
DOH	– Department of Health
DOT	– Department of Transportation
DTSC	– Department of Toxic Substances Control
ENG	– Engineering
EPA	– Environmental Protection Agency
ERNS	– Emergency Response Notification System
FD	– Fire Department
FOI/FOIA/FOIL	– Freedom of Information / Freedom of Information Act / Freedom of Information Letter
HVAC	– Heating Ventilation & Air Conditioning
HREC	– Historic Recognized Environmental Condition
IAQ	– Indoor Air Quality
ISRA	– Industrial Site Recovery Act
LBP	– Lead-Based Paint
LCP	– Lead-Containing Paint
LQG	– Large Quantity Generator
LTANK	– Leaking Storage Tank
LUST	– Leaking Underground Storage Tank
SDS/MSDS	– Safety Data Sheet / Material Safety Data Sheet
NA	– Not Applicable
NFA	– No Further Action
NFRAP	– No Further Remedial Actions Planned
NPDES	– National Pollutant Discharge Elimination System
NPL	– National Priority List
OER	– Office of Environmental Remediation
OPRA	– Open Public Records Act
PAH	– Polycyclic Aromatic Hydrocarbon
PCE	– Perchloroethylene
RAO	– Response Action Outcome
RCRA	– Resource Conservation and Recovery Act
RCRIS	– Resource Conservation and Recovery Information System
REC	– Recognized Environmental Condition
RWQCB	– Regional Water Quality Control Board
SCAQMD	– South Coast Air Quality Management District
SDG	– Significant Data Gap
SEMS	– Superfund Enterprise Management System
SRP	– Site Remediation Program
SQG	– Small Quantity Generator
SVOC	– Semi-Volatile Organic Compound
TCE	– Trichloroethylene
TSDF	– Treatment Storage and/or Disposal Facility
UST	– Underground Storage Tank
VEC	– Vapor Encroachment Condition
VOC	– Volatile Organic Compound

1.0 FINDINGS, OPINIONS, AND CONCLUSIONS

Hillmann Consulting, LLC (Hillmann) performed a Phase I Environmental Site Assessment (ESA) of 2828 West 28th Street, Brooklyn, New York (the Subject Property). The assessment has been conducted in accordance with our contracted scope of work and the ASTM Standard Practice E 1527-21 for Phase I Environmental Site Assessments and All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312. This section contains a summary of findings, opinions and conclusions made by this assessment. However, this section, alone, does not constitute the complete assessment. The report must be read in its entirety.

1.1 Summary of Project Details

Primary Street Address:		2828 West 28th Street			
City:	Brooklyn	**County:**	Kings	**State:**	New York
Tax ID/Parcel Number:		Block 7011 Lot 11			
Property Owner:		Park, Sea Housing			
Zoning Designation:		R6 (Residential) with no commercial overlay			
Approx. Property Area:		2.03-acres			
Buildings:		One (1) 15-story apartment building			
Approx. Building Size:		102,000-ft²			
Approx. Year Built:		1972			
Commercial Occupants:		None			
Current Use:		Residential apartments			
Inspected By:		Mr. Ryan Powell			
Site Contact/Company:		Ilso Kim / Property Manager with Progressive Management			
Site Escort/Company:		Ilso Kim / Property Manager with Progressive Management			
Inspection Date:		August 30, 2022			
Weather Conditions:		Sunny, 83 degrees F			

1.2 Findings Summary Table

Assessment Subject	No REC	REC	CREC	HREC	SDG	Rpt. Ref.
Property Regulatory Records Review:	X					4.3
Property Historical Records Review:	X					4.2
Bulk Petroleum Storage:					X	6.3
On-Site Operations:	X					6.3
On-Site Haz-Mat Storage/Use/Spills:	X					6.3
Transformers/Hydraulic Systems:	X					6.3
Waste Discharges:	X					6.3
Interviews:	X					5.0
Adjoining & Nearby Properties:	X					4.3 6.2
Prior Env. Reports/User Provided Info:	X					3.0

1.3 Findings, Opinions and Conclusions

Recognized Environmental Conditions & Significant Data Gaps

Hillmann has performed a Phase I Environmental Site Assessment in accordance with the scope and limitations of ASTM Practice E 1527-21 of the Subject Property as described in Section 2.2 of this report. Any additions to, exceptions to, or deletions from this practice are also described in Section 2 of this report. This assessment has revealed the following *recognized environmental conditions* (RECs), *controlled recognized environmental conditions* (CRECs) and/or *significant data gaps* (SDGs) in connection with the Subject Property:

RECOGNIZED ENVIRONMENTAL CONDITIONS
No RECs were identified.
CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CRECs)
No CRECs were identified.
SIGNIFICANT DATA GAPS (SDGs)
The Property address – 2828 West 28th Street is listed on the UST database. The UST listing is for Petroleum Bulk Storage (PBS) registration 2-600253 set to expire July 23, 2024. The UST Tank ID is listed as 41680, for a 10,000-gallon UST containing #2-fuel oil for onsite consumption. The UST status is listed as having been installed in 1973 and closed-in-place in 2005. Hillmann recommends obtaining UST closure reports documenting whether presence/absence of impact to underlying environmental media was verified upon UST closure in 2005.

Historical Recognized Environmental Conditions (HRECs)

This assessment has revealed the following *historical recognized environmental conditions* (HRECs) in connection with the Subject Property:

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS	
	No HRECs were identified

De Minimis and Other Environmental Conditions

The following *de minimis* and other environmental conditions were identified:

OTHER ENVIRONMENTAL CONDITIONS / DE MINIMIS CONDITIONS
Multiple listing within the Property vicinity are listed on the MANIFEST and RCRA-NonGen databases associated with Con Edison infrastructure work which generated regulated waste for offsite transport/disposal. The listings are not indicative of a release and not considered a REC.
The Property address / tax block and lot is listed on the E-Designation database for a) exhaust stack location limitations, b) hazardous materials Phase I and II Testing Protocols and c) window wall attenuation & alternate ventilation. In the event of a change in land use or redevelopment involving a zoning action, the aforementioned environmental requirements will be required, per New York City Office of Environmental Remediation requirements, prior to issuance of permits and/or certificates of occupancy.

Environmental Professional Statement

I/We declare that, to the best of my professional knowledge and belief, I/we meet the definition of *Environmental professional* as defined in § 312.10 of 40 C.F.R. 312. I/we have the specific qualifications based on education, training and experience to assess a *property* of the nature, history and setting of the *subject property*. I/We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Etan Y. Hindin
Environmental Professional

Chris Hirschmann
Environmental Professional

1.4 Business Environmental Risks / Non-ASTM Scope

Hillmann has performed a limited review of the following potential Business Environmental Risks (BER), also known as "Non-ASTM Scope concerns", in accordance with the contracted scope of work scope for this assessment. BER is defined by ASTM E1527-21 as *"a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."* The following is a summary of findings for the limited review of potential BERs, where applicable, as per the contracted scope of work and limitations outlined in Section 2. For a more detailed discussion of the findings and contracted scope of work, please see the referenced report section.

BUSINESS ENVIRONMENTAL RISKS / NON-ASTM SCOPE			
Subject	**Findings**	**Not Appl.**	**Rpt. Ref.**
Asbestos	Given the 1972 year of construction ACM is suspected unless ruled out by laboratory analysis.		7.1
Lead Paint	Given the 1972 year of construction lead-paint is suspected unless ruled out by laboratory analysis and/or field detection.		7.2
Radon	The Property is located in the USEPA radon designation Zone 3 or 'low risk' area for radon.		7.3
Mold / Microbial Damage	Hillmann did not observe evidence of significant problems with moisture intrusion or mold/microbial growth at the Property.		7.4
NWI Wetlands/ FEMA Flood Zones	No NWI mapped Wetlands are present at the Subject Property. The Property is located within a FEMA 100-year flood zone.		7.5
Drinking Water	Potable water service at the Subject Property is provided by the City of New York which meets or exceeds USEPA drinking water quality standards. Building specific drinking water sampling was not performed.		7.6

2.0 INTRODUCTION

2.1 Purpose and Scope

This assessment was conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-21. The ASTM describes these methodologies as representing good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. § 9601) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35) (B). The goal of the processes established by ASTM E1527-21 is to identify *recognized environmental conditions* in connection with the Subject Property.

The term *recognized environmental condition* (REC) is defined by ASTM E1527-21 as *"(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment."*

The term *controlled recognized environmental condition* (CREC) is a type of recognized environmental condition and defined by ASTM E1527-21 as a *"recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations)."*

The term *historical recognized environmental condition* (HREC) is defined as a *"previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations)."* The ASTM E1527-21 standard has clarified that a *historical recognized environmental condition* is not a *recognized environmental condition*.

The term *de minimis condition* is defined by the ASTM, *"…a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."* A condition determined to be a *de minimis condition* is not REC nor a CREC.

The chief components of this assessment are generally described as follows:

- A non-invasive visual reconnaissance of the Subject Property and adjoining properties in accordance with ASTM guidelines for evidence of RECs.

- Interviews of past and present owners and occupants and state and local government officials, seeking information related to the potential presence of RECs at the Subject Property.

- A review of standard physical record sources for available topographic, geologic and groundwater data.

- A review of standard historic record sources, such as fire insurance maps, city directories, aerial photographs, prior reports and interviews, etc., to determine prior uses of the Subject Property from the present, back to the Subject Property's first developed use, or back to 1940, whichever is earlier.

- A review of standard environmental record sources including federal and state environmental databases, and additional environmental record sources, to identify potential regulatory concerns with the Subject Property, adjoining properties and properties located within the surrounding area.

An evaluation of environmental or other regulatory compliance matters is excluded from the scope of this assessment.

These methodologies are described as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

Business Environmental Risks/Non-ASTM Scope Considerations

In accordance with our contract agreement, Hillmann may have addressed the following potential environmental subject matters that are outside of the requirements of the ASTM E1527-21 standard:

Asbestos-Containing Materials (ACM): A cursory non-intrusive visual screening for the presence of suspect ACM within the accessed areas of buildings built prior to 1990 on the Subject Property. If the Subject Property contains buildings built in 1990 or later, the contracted scope of work excludes a cursory non-intrusive visual screening or any other level of evaluation for suspect ACM; however, the exclusion for buildings built ≥1990 should not be interpreted to suggest that any such buildings are free of ACM or would not warrant evaluation of building materials for ACM prior to disturbance. It is emphasized that this cursory non-intrusive visual screening does not constitute an asbestos survey/inspection of the premises. An asbestos survey/inspection should be sought by the report User(s) if a greater certainty is desired regarding ACM and potential asbestos hazards at the Subject Property. Furthermore, a review of regulatory compliance matters pertaining to asbestos is excluded from the scope of work.

Lead-Based Paint (LBP): A cursory non-intrusive visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1980 on the Subject Property. If the Property contains buildings built in 1980 or later, the contracted scope of work excludes any cursory non-intrusive visual screening or other level of evaluation for suspect LPB;

however, the scope of work exclusion for building built ≥1980 should not be interpreted to suggest that any such buildings are free of LPB or other lead hazards. It is emphasized that this cursory non-intrusive visual screening does not constitute a comprehensive survey for LBP or potential lead hazards. A comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding LBP at the Subject Property. Furthermore, a review of regulatory compliance matters pertaining to lead-based paint is excluded from the scope of work.

USEPA Designated Radon Potential: Review of general non-site specific data published by the USEPA regarding the Radon Zone classification for the area of the Subject Property.

Mold/Microbial Damage: A cursory non-intrusive visual screening within the accessed areas of buildings on the Subject Property for evidence of systemic microbial problems, including visible mold growth, water damaged building materials or musty odors. It is emphasized that this cursory non-intrusive visual screening does not constitute a comprehensive survey for moisture/mold/microbial damage. A more comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding the potential for moisture/mold/microbial damages at the Subject Property.

Drinking Water: The source of drinking water to Property will be identified. If not provided by a municipal or public water system, Hillmann will request, review and summarize available data of drinking water quality testing from the Property.

2.2 Property Location/Legal Description

Property location and legal description details are described as follows:

Primary Street Address:	2828 West 28th Street				
City:	Brooklyn	**County:**	Kings	**State:**	New York
Tax ID/Parcel Number:	Block 7011 Lot 11				
Approx. Land Area:	2.03-acres				
Apprx. Latitude/Longitude:	North 40.5573548 degrees/West 73.993936 degrees				
Additional Details (if appl.):	Secondary Addresses: 2802-2878 West 28th Street and 2861-2871 West 29th Street and 2802-2804 Neptune Avenue.				
Property Owner:	Park, Sea Housing				
Zoning Designation:	R6 (Residential) with no commercial overlay				

2.3 Data Gaps

A *data gap* is defined by the ASTM as a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. A data gap is only significant if other information and/or professional experience raises reasonable concerns involving the data gap and the ability to determine the presence or absence of recognized

environmental conditions. The following table summarizes data gaps encountered during the assessment as well as a discussion of their significance.

Data Gap:	Significant (Yes/No)?	Discussion
Historical records data failure	No	The date and/or type of the first developed use of the Subject Property was not documented. Records gaps exceeding five years were encountered; however, no significant site use changes are suspected during these intervals.
Response to agency records requests not received as of date of report.	No	Any additional information indicative of a REC will be forwarded upon receipt.

2.4 ESA Report Component Dates/Viability

The ASTM E1527-21 standard states that an environmental site assessment (ESA) is presumed to be viable when it is conducted within 180 days prior to the date of acquisition of the Subject Property (or, for transactions not involving an acquisition such as a lease or refinance, the date of the intended transaction). Specifically, all of the following components must be conducted or updated within 180 days prior to the date of acquisition or prior to the date of the transaction. The following table summarized the component completion dates:

ESA Component	Completion Date
Interviews	August 30, 2022
Env Lien Search	(excluded from scope)
Government Records Review	August 22, 2022
Visual Inspections	August 30, 2022
Env. Professional Declaration	September 19, 2022

2.5 User Reliance

This report is for the exclusive use of TerreAlto and additional relying entities, if any, named on the front cover. No additional individuals or entities shall be permitted to rely upon any data, interpretation, reports or other information or documentation contained in this report, without first obtaining the consent of TerreAlto; and without obtaining written consent from Hillmann in the form of a reliance agreement/letter.

Hillmann may, in its sole discretion, withhold its consent to additional reliance and/or Hillmann may condition consent for reliance upon payment of a fee or other conditions.

2.6 Significant Assumptions

The following significant assumptions are made:

- The site operations at the time of the site visit are assumed to reflect typical site conditions relative to potential environmental conditions and that no concealment of environmental conditions or releases by site owners or occupants has occurred. Likewise, it is assumed that no

areas of the Subject Property with potential environmental concerns or RECs were concealed or otherwise not reported, intentionally or unknowingly, by the Subject Property owners/occupants and/or site escort at the time of the site visit.

- For the purpose of estimating the approximate direction of groundwater flow in the absence of site specific groundwater data, unless indicated otherwise, an assumption has been made that the gradient of groundwater flow follows the surface topography of the Subject Property and immediate surrounding area.

2.7 General Limitations and Exceptions

Limitations

The report turnaround time specified by the contract agreement for this assessment may present a limitation to the availability of pertinent regulatory agency records. Such limitations, if encountered, would be further specified in Section 4.1.

Significant limitations related to the condition or accessibility of the Subject Property at the time of the site reconnaissance, if encountered, are reported in Section 6.1.

Other Exceptions or Deletions

No other exceptions or deletions from the ASTM Standard E 1527-21 are reported.

Special Terms and Conditions

This Phase I Environmental Site Assessment has been prepared using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Subject Property. Findings within this report are based on information collected from observations made on the day of the site reconnaissance and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, site development, redevelopment, or other construction purposes. No representation or warranty is made that the past or current operations at the Subject Property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes.

Findings, conclusions and recommendations presented in this report are based on visual observations of the Subject Property, interviews conducted, the records reviewed, information provided by the Client, and/or a review of readily available and supplied drawings and documents. Information obtained during the assessment, whether written, graphic or verbal, provided by the Subject Property contact(s) or as shown on any documents reviewed or received from the Subject Property contact, owner or agent, or government agency source; is assumed to be accurate except as specifically stated otherwise in this report. Independent verification of the accuracy or

completeness of all information reviewed or received during the course of this assessment is not made and excluded from the scope of work for this assessment. No warranty or guarantee is made of the accuracy or completeness of information that was obtained from ostensibly knowledgeable individuals, regulatory agency representatives or other secondary sources.

Regardless of the findings stated in this report, Hillmann is not responsible for consequences or conditions arising from facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. Hillmann can neither warrant nor guarantee the accuracy or completeness of the information obtained from the regulatory database report provider during the course of this assessment.

Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques.

Reasonable efforts have been made during this assessment to identify aboveground and underground storage tanks and ancillary equipment. Reasonable efforts are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify surficial and subsurface features that may have been hidden from view due to parked automobiles and other vehicles, snow cover, vegetative growth, pavement, construction or debris pile storage or incorrect information from sources.

No guarantee, explicit or implied, is made that the records pertaining to historical ownership or occupancy which were reviewed represent a comprehensive or precise delineation of past Property ownership or tenancy for legal purposes.

The ASTM E1527-21 standard states that recommendations are not required to be included in a Phase I ESA report; however, further that recommendations are an additional service that may be useful in the User's analysis of landowner liability protections or business environmental risks; and that the User should consider whether recommendations for additional inquiries or other services are desired.

Recommended response actions offered in Section 1.3, if any, are provided as an option to the Client, and may have taken into account the Client's relation to the Subject Property and/or their intended purpose of this assessment. If included, it is not intended by Hillmann to represent the only course(s) of action, or inaction, to take. Furthermore, it is emphasized that additional response actions may become advisable depending on the outcome of the initial action(s) taken. Hillmann advises that Client and any additional authorized relying parties as specified on the report Cover and Section 2.5, or via letter of reliance extension, undertake consultation with legal counsel familiar with environmental and real estate law would be beneficial to the decision making process

for the type and timing of a response action to identified RECs or Business Environmental Risks, if any.

Due to the limited nature of our review of potential Business Environmental Risks, the User(s) of the report should consider whether to take additional action(s) to further define, properly manage and/or mitigate potential BERs.

The User(s) assumes responsibility for business decisions that it makes utilizing information in the report provided by Hillmann. Hillmann shall not be responsible for any conclusions, interpretations and/or decisions of the User(s).

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the consulting services agreement for this project, the consulting services agreement shall control.

3.0 USER PROVIDED INFORMATION

The term "User" is defined by ASTM as the party seeking to use Practice E1527 to complete an environmental site assessment of the Subject Property; specifically, the entity or entities named on the front cover to which the report has been addressed.

3.1 Prior Environmental Reports/Documentation

No prior environmental reports/documentation were provided.

3.2 User Responsibilities

In order to qualify for Landowner Liability Protections (LLPs) offered by federal regulations, the User must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The User should provide the following information to the environmental professional (Hillmann). Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete. To assist the report User to meet these requirements, Hillmann has provided a questionnaire of inquiries (User Questionnaire) specified in 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31 with instructions to complete and return to Hillmann. A completed questionnaire was not returned to Hillmann.

Question:	Yes/No:	Detail:
1. Search of Land Title and Judicial Records: Has the User performed a search of land title records and judicial records for environmental liens and/or Activity and Use Limitations (AULs) filed or recorded against the property?	NR	
1.a. If yes to Question 1: Did the search identify any environmental liens or Activity and Use Limitations (AUL), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?	NR	
1.b. If yes to Question 1: Has the User provided the result of the search of land title and judicial records to Hillmann?	NR	
2. Specialized knowledge or experience of the person seeking to qualify for the LLP: Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	NR	
3. Relationship of the purchase price to the fair market value of the property if it were not contaminated: Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	NR	

Question:	Yes/No:	Detail:
4. Commonly Known or Reasonably Ascertainable Information: Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,		
4.a. -Do you know the past uses of the property?	NR	
4.b. -Do you know of specific chemicals that are present or were once present at the property?	NR	
4.c. -Do you know of spills or other chemical releases that have taken place at the property?	NR	
4.d. -Do you know of any environmental cleanups that have taken place at the property?	NR	
5. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation: Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?	NR	
6. Litigation/Administrative Proceedings/Government Notices: As the User of this ESA, do you have knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.	NR	
7. User's Reason/Purpose for Performing Phase I ESA:	The User did not indicate the purpose of the assessment. In accordance with ASTM E1527-21, it is assumed that the Phase I ESA was being performed in order to qualify for landowner liability protection to CERCLA liability.	

4.0 RECORDS REVIEW

4.1 Environmental Information

Physical Setting

Source	Discussion
USGS 7.5 minute Topographic Map Data: (EDR Geocheck-Physical Setting Source Addendum)	The Property lies at an elevation of approximately 3 feet above mean sea level. An interpretation of topographic contour lines as well as a review of the EDR Geocheck-General Topographic Gradient suggested terrain sloping downward towards the east-northeast. The closest down gradient water body is the Coney Island Channel, located approximately 800-feet to the south.
USDA SCS Soil Data: (EDR Geocheck-Physical Setting Source Addendum)	The soil type at the Subject Property is classified as "Urban Land". The Urban Land designation indicates that a majority of the original soils on the site have been disturbed by development or covered with impervious surfaces, such as buildings or pavement.
Geologic Data: (EDR Geocheck-Physical Setting Source Addendum)	The Geologic Age Identification is Stratified Sequence and the Rock Stratigraphic Unit is the Cenozoic Era, Quaternary System, and Pleistocene Series.
Prior Env. Reports: (Section 3.2)	None provided.
Additional Sources/ Data:	No additional physical setting sources or data was obtained.
Groundwater Flow Discussion:	Based on a review of the above information as well as observation of the site, the direction of shallow groundwater flow at the site is inferred to be towards the south.

Federal, State and Tribal Environmental Record Sources

Standard government records were obtained and reviewed primarily via a third-party regulatory database report, titled EDR Radius Map™ Report, prepared by Environmental Data Resources of Shelton, CT. The report provided government records from the standard environmental resources and within minimum search distances specified by Section 8.2.2-Table 2 of the ASTM E1527-21; and were reviewed for the purpose of identifying potential RECs in connection with the Subject Property. Additional detail of the source and significance of the regulatory databases can be found in the regulatory database report in Appendix E. Hillmann has also included discussion of records pertaining to the Subject Property from other government record sources not specifically listed under Table 2, as applicable.

Reported distances for adjoining property listings, if applicable, are approximate and indicative of the presence of a public roadway or right-of-way between the adjoining site and Property.

The reported gradients have been estimated based on a number of factors including but not necessarily limited to field observation, review of topographic maps, database listing details and/or site specific geo-technical data.

Limited analysis of the details of on-site, adjoining and vicinity database sites was conducted to identify potential sources of sub-surface vapor encroachment. This review was based on elements of the ASTM "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" (ASTM E 2600-15); and also on elements of "Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources" (Buonicore, 2011-S-103-AWMA). Vicinity database sites pertaining to

non-petroleum product releases within 1,760 feet of the Subject Property in the up-gradient direction, 365 feet of the Subject Property in the cross gradient direction and 100 feet of the Subject Property in the down gradient direction; and vicinity database sites pertaining to petroleum product releases within 528 feet of the Subject Property in the up-gradient direction, 165 feet of the Subject Property in the cross gradient direction and 100 feet of the Subject Property in the down gradient direction were reviewed to identify active contamination sites with the potential to affect subsurface vapor conditions at the Subject Property. The potential for vapor encroachment was considered in assessing whether or not a REC exists in connection with the Subject Property when reviewing applicable sites within those distances.

Regulatory database sites with active petroleum or non-petroleum releases that are considered to constitute a vapor encroachment condition (VEC) to the Subject Property, if any, are identified and discussed in this section.

The EDR Radius Map report is attached in Appendix E.

Property Listings

The Property address / tax block and lot is listed on the E-Designation database for a) exhaust stack location limitations, b) hazardous materials Phase I and II Testing Protocols and c) window wall attenuation & alternate ventilation. In the event of a change in land use or redevelopment involving a zoning action, the aforementioned environmental requirements will be required, per New York City Office of Environmental Remediation requirements, prior to issuance of permits and/or certificates of occupancy.

The Property address – 2828 West 28th Street is listed on the UST database. The UST listing is for Petroleum Bulk Storage (PBS) registration 2-600253 set to expire July 23, 2024. The UST Tank ID is listed as 41680, for a 10,000-gallon UST containing #2-fuel oil for onsite consumption. The UST status is listed as having been installed in 1973 and closed-in-place in 2005.

The Property is further listed on the AST database for a 7,098-gallon #2 fuel oil AST installed in 2005.

Adjoining Property Listings

Multiple listings within the Property vicinity were identified associated with Con Edison infrastructure work which generated regulated waste for offsite transport/disposal. The listings are not indicative of a release and not considered a REC.

Multiple LTANKS and NY SPILLS listings within the Property vicinity were identified. Each case obtained regulatory closure. Given the regulatory status, the adjoining LTANKS and NY SPILLS cases are not considered a REC in connection with the Property.

Surrounding Area Findings

The following is a discussion of non-adjoining sites identified as located within the ASTM specified search distance surrounding the Subject Property. In order to keep this discussion informative and

concise, discussion(s) is/are provided of the listed site(s) for each database category that appears most likely to impact the Subject Property based on distance, area topography and/or regulatory status. Listings of sites within the applicable search distances not specifically discussed below were reviewed and concluded not to be RECs in connection with the Subject Property or VECs based on various factors including distance, area topography, known or inferred groundwater flow direction and/or regulatory status.

Federal NPL				**# of sites:**	0	**Search Distance:**	1-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal Delisted NPL				**# of sites:**	0	**Search Distance:**	1-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal SEMS				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal SEMS-ARCHIVE				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal CORRACTS				**# of sites:**	0	**Search Distance:**	1-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

Federal RCRA-TSD				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

State/Tribal SUPERFUND & HAZARDOUS WASTE				**# of sites:**	3	**Search Distance:**	1-mile
Notable Listing:	3375-3377 Neptune Avenue / Former Gateway French Dry Cleaners						
Distance in feet:	1,273	**Direction:**	NW	**Gradient:**	Cross		
Data Discussion:	Given the distance and gradient, the SHWS listing is not considered a REC in connection with the Property. The case status is listed as: "*Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site*."						
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Property.						
VEC Discussion:	Based on the available data, a VEC is not suspected.						

State/Tribal LANDFILL/SOLID WASTE DISPOSAL				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

State/Tribal LEAKING STORAGE TANKS					**# of sites:**	48	**Search Distance:**	½-mile
Notable Listing:	24 LTANKS cases and 53 NY SPILLS cases.							
Distance in feet:	Multiple	**Direction:**	Multiple	**Gradient:**	Multiple			
Data Discussion:	Each of the LTANKS and NY SPILLS due to their distance, gradient and/or regulatory status is not considered a REC in connection with the Property.							
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Property.							
VEC Discussion:	Based on the available data, a VEC is not suspected.							

State/Tribal VOLUNTARY CLEANUP SITES				**# of sites:**	0	**Search Distance:**	½-mile
Notable Listing:	None						
Distance in feet:		**Direction:**		**Gradient:**			
Data Discussion:							
REC Discussion:							
VEC Discussion:							

State/Tribal BROWNFIELD SITES				**# of sites:**	3	**Search Distance:**	½-mile
Notable Listing:	3375-3377 Neptune Avenue / Former Gateway French Dry Cleaners						
Distance in feet:	1,273	**Direction:**	NW	**Gradient:**	Cross		
Data Discussion:	As noted above, (the site is also listed on the SHWS database) remediation is complete at the site and given the distance, is not considered a REC in connection with the Property.						
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Property.						
VEC Discussion:	Based on the available data, a VEC is not suspected.						

UNMAPPED/ORPHAN LIST SITES

	Hillmann has also reviewed a list of unmapped sites (a.k.a. "Orphan List" sites) indicated by the database report. Unmapped sites that were identified as falling within an applicable specific search distance or warranting discussion have either been discussed in the preceding tables or are detailed below:
Notable Listings:	None

Additional Environmental Record Sources

Requests have been submitted to local, municipal and state agencies for pertinent records pertaining to the Subject Property, particularly with regard to potential environmental concerns such as petroleum storage tanks, storage and usage of hazardous substances and petroleum products, and/or known or suspected environmental contamination. Where applicable, internet research of government environmental regulatory databases was also conducted, as well as a general cursory internet search of the Subject Property address, for information indicative of a REC. The following table summarizes the findings of the research:

Source	Type of Request	Outcome
Building/Code Enforcement.	Online search	Hillmann reviewed available on-line records pertaining to the Property. No information indicative of a REC was identified. Boiler information indicating dual natural gas / number 2 fuel oil was noted.
FDNY-Public Records Unit / Tank Section	Storage tank search request	No response was received prior to report issuance.
NYS Dept of Environmental Conservation	FOI request	No response was received prior to report issuance.
NYC Dept of Environmental Protection	FOI request	A response was recieved stating that no records were found.
EPA Envirofacts	Online search	Hillmann reviewed available on-line records pertaining to the Property. No information indicative of a REC was identified.
Internet Search Engine	Online search	Hillmann reviewed available on-line records pertaining to the Property. No information indicative of a REC was identified.

Pertinent records referenced in the above table have been included in Appendix F.

4.2 Historical Research

Historical records have been compiled and analyzed for historical property information and developing a history of previous uses of the Subject Property, adjoining properties and surrounding area. These records were reviewed for the purpose of identifying the likelihood of past uses having led to RECs in connection with the Subject Property.

The historical record sources listed below have been sought with the objective to document past uses of the Subject Property from the present back to the Subject Property's first developed use, or back to 1940, whichever is earlier. The term "developed use" includes agricultural use, placement

of fill dirt and other uses that do not involve structures. Hillmann has sought to review historical records in minimum intervals of five years.

Fire Insurance Maps

A Certified Sanborn Map Report was obtained from EDR for a review of published historic fire insurance maps for the Subject Property and surrounding area. The following is a summary of site uses and notable details depicted by the available maps:

Year(s)	Prop/Adj	Depicted Use(s)	Notable Details
1895, 1905, 1906, 1930, 1950, 1966, 1968, 1977-1983, 1986, 1987, 1989, 1991-1996, 2001-2007	**Property:**	Multiple dwellings and stores are depicted in beginning in 1930. Beginning in 1977, the Property is depicted in its present configuration, and listed as Coney Island Housing – site 7 Building 10.	None
	Adjoining:	Multiple dwellings and stores	None

A copy of the Certified Sanborn Map Report is attached in Appendix D.

City Directories

An EDR City Directory Abstract report was reviewed for data of former occupants of the Subject Property's street address. The following is a generalized summary of the findings of city directory research for past occupants of the Subject Property.

Property	
Use(s) / Occupant(s):	**Years**
Multiple residential occupants.	1928-2017

The EDR City Directory Abstract report was also reviewed for listings of historic occupants of the adjoining properties. The following is a general summary of listings of historic adjoining property occupants:

Adjoining Properties	
Use and/or Occupant(s)	**Years**
Primarily residential listings.	1928 - 2017

A copy of the EDR City Directory report is attached in Appendix D.

Historical Topographic Maps

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical aerial photographs were not researched for this assessment.

Historical Aerial Photographs

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical aerial photographs were not researched for this assessment.

EDR High-Risk Historical Records

The EDR Radius Map™ report, which is discussed in greater detail in Section 4.1 and attached in Appendix E, provided a search of proprietary databases of potential historical high-risk uses at or in the vicinity of the Subject Property. These databases include EDR Historic Cleaners – a database of property addresses with records of historical occupancy by suspected cleaners businesses; EDR Historic Auto – a database of property addresses with records of historical occupancy by potential automotive gas/filling stations and repair facilities; and EDR MGP- a database of sites historically occupied by manufactured gas plants and related facilities.

EDR Database	On-site Listings:	Adjoining/Off-Site Listings
Historic Cleaners: (on-site/adjoining only)	None	None
Historic Auto: (on-site/adjoining only)	None	None
MGP: (1-mile distance)	None	None within area of potential concern

Petroleum/Natural Gas Well Review

The historical record sources were reviewed for records of historic petroleum and/or natural gas wells at the Subject Property. No record of any historical petroleum/natural gas wells at or adjoining the Property was identified.

Additional Historical Data

Where applicable, the following additional pertinent historical data was obtained:

Interviews/Anecdotal:	No additional pertinent historical data was obtained.
Local Gov't Records:	No additional pertinent historical data was obtained.
Prior Env. Reports: (Section 3.2)	Not applicable; no prior reports were provided.
Site Observations:	Indications of historic uses of the Property or adjoining properties were not observed during the site reconnaissance.
Other Sources:	No additional pertinent historical data was obtained.

Summary of Identified Historic Uses

The following table presents a summary of the types and approximate date ranges of identified prior uses of the Subject Property:

Property	
Date Range	**Use**
1906-1972	Residential, commercial
1972-Present	Apartments and daycare

The following table presents a summary of the types of identified prior uses of the adjoining properties:

Adjoining Properties	
Date Range	**Use**
1906-Present	Residential, commercial

Historical Records Data Failure

The ASTM E1527-21 standard defines data failure as failure to achieve the historical research objective even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. The objective is to identify all obvious uses of the property from the present, back to the property's first developed use, or back to 1940, whichever is earlier. Furthermore, records of historic use/conditions were sought in intervals no less than approximately five years, unless the property conditions appear unchanged over a longer interval. In encountered, data failure and its significance as a data gap is discussed below:

Objective	Met?	Detail	Significant?
First developed use/date determined?	Yes	The first developed use of the Property was stores and dwellings in the early 1900's.	NA
Record sources at 5-year intervals back to 1940 or first developed use?	No	Historical record gaps exceeding five years were encountered. However, significant site-use changes or undiscovered site uses appear unlikely to have occurred during the record gaps.	No
All obvious prior uses identified?	Yes	See Summary of Identified Past Uses of this section.	NA

Please refer to Section 2.3 for additional discussion of data gaps and their significance to the findings of the assessment.

Historic Uses REC Discussion

The review of historical records did not indicate evidence of a REC in connection with the Property.

5.0 INTERVIEWS

5.1 Interviews with Owners, Operators and Occupants

Current Owner/Operator, Super, Occupant (as available)

Property Escort	Contact Name	Affiliation	Interview Type
Property Manager	Ilso Kim	Property Manager	In person
Interview Date:	August 30, 2022		
Interview Outcome/Findings:			
An interview for information pertinent to the assessment was conducted in person at the time of the site visit. The following pertinent information was indicated: Ilso Kim was unaware of any environmental conditions at the Property.			

Prior Owners/Operators/Occupants

Name	Company/Title	Yrs @ Site	Interview Type
Interview Date:			
Interview Outcome/Findings:			
No prior owners, operators or occupants were interviewed.			

Neighboring Property Owner/Occupants

Name	Company/Title	Yrs at site	Interview Type
Interview Date:			
Interview Outcome/Findings:			
The Property was not an abandoned property with evidence of unauthorized uses or uncontrolled access; therefore, interviews with adjoining or nearby property owners or occupants were not conducted.			

5.2 Interviews with State and/or Local Government Officials

State and/or local governmental officials have been interviewed to obtain information of potential RECs in connection with the Subject Property. Many government agencies and their officials require submittal of written request for records in order to respond. The details in Section 4.1 list the various state and local government agencies contacted as part of this assessment, and the outcome of each inquiry. In addition, the details of regulatory database research in Section 4.1 may have included detail of interviews with officials pertinent to government records review and identification of RECs.

Additional interview of government officials not previously detailed in Sections 4.1 are discussed below, if applicable.

Name	**Agency Name/Title**	**Interview Type**
Interview Outcome/Findings:		
No additional local/state government officials were interviewed.		

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

A site reconnaissance was conducted to collect information and make observations to help identify RECs in connection with the Subject Property. This included visual and/or physical observations of the Subject Property and its structures, adjoining properties as viewed from the Subject Property boundaries and the surrounding area based on visual observations from adjoining public thoroughfares and accessed Subject Property structures. Subject property building exteriors were observed at ground level, unless otherwise indicated. Where applicable, building interiors were accessed and observed to the extent they were made safely accessible with the cooperation of the site escort.

Site Inspection Personnel:	Mr. Ryan Powell
Property Escort/Company:	Ilso Kim / Property Manager with Progressive Management
Inspection Date:	August 30, 2022
Weather Conditions:	Sunny, 83 degrees F

Significant Inaccessible Areas

No significant areas of the Property inaccessible at the time of the inspection were noted.

Significant Limiting Site Conditions

No significant limiting site conditions were noted at the time of the site reconnaissance.

6.2 General Site Setting

Site and Vicinity Characteristics

Abutting Roadways:	West 29th Street to the west; West 28th Street to the east and Neptune Avenue to the north.
Current Property Use:	Residential apartments
Evidence of Past Property Uses:	None observed.
Evidence of Past Adjoining Property Uses:	None observed.
Surrounding Area Uses:	Residential, mixed-use

Current Adjoining Property Uses

Dir	Street Address	Description
N	2529 Neptune Ave	Recreational
S	2805 Mermaid Ave	Mixed-use
E	2727 Mermaid Ave	USPS
W	2901 Mermaid Ave	Shopping Center

No visual observations indicative of a potential environmental concern were noted on the adjoining properties.

Topographic Characteristics

Terrain:	Flat
Direction of Downward Slope:	None observed
On-site Water Bodies:	None observed
Other Significant Features:	None observed

General Description of Structures and Improvements

Buildings:	One
Approx. Building Size:	102,000-ft²
Approx. Year Built:	1972
Number of Stories:	15
Basement/Subgrade Levels:	None
Exterior Ground Cover:	Concrete sidewalk, asphalt parking, landscaped areas
Ancillary Structures:	None
Sources of Heating & Cooling:	Dual Natural gas /No. 2 Fuel oil, and electric powered systems
Potable Water/Sewage Disposal:	Municipal utility connections

6.3 Site Features and Conditions

Storage/Usage of Hazardous Substances and Petroleum Products

The following approximate number of containers, and general description of their contents, capacity, container types and storage conditions, were observed to be stored and/or used at the Subject Property:

Occupant	Substance	Qty/Container Type	Storage Conditions
Super	Cleaning/Maintenance materials	Various	Stored indoors on intact concrete. No concerns noted.

Bulk Petroleum/Hazardous Material Storage Tanks

The following storage tanks for bulk petroleum or hazardous material storage were identified or reported to be present; or are suspected to be present based on visual observations:

AST/ UST	Product	Capacity	Construction	Year Installed	Status	Location/Notes
UST	No. 2. Fuel Oil	10,000-gal	Steel	1973	Closed-in-place	Playground area.
AST	No. 2 Fuel Oil	7,098-gal	metal	2005	Active	No concerns noted.

See discussion above in CRECs section pertaining to the closed-in-place UST.

Strong, Pungent or Noxious Odors and their Sources

No strong, pungent or noxious odors were noted at the Subject Property.

Standing Surface Water/Pools & Sumps

No standing water, pools or sumps containing liquids likely to be hazardous substances or petroleum products were noted.

Drums, Totes and Intermediate Bulk Containers

No hazardous substance or petroleum product drums were noted.

Unidentified Substance Containers

No unidentified substance containers suspected of containing hazardous substance or petroleum product were noted.

PCBs in Oil Filled Electrical/Hydraulic Equipment

No oil-filled electrical or hydraulic equipment was identified at the Subject Property.

It is noted that identification of PCB containing fluorescent light ballasts, caulk, paint, or other materials located inside and are part of the building or structure is outside of the scope of the ASTM E1527-21 standard and this assessment.

Stains or Corrosion on Floors, Walls or Ceilings

No stains or corrosion of floors, walls or ceilings, excluding any staining from water, were noted.

Drains and Sumps

No floor drains or sumps indicative of a REC were identified.

Pits/Ponds/Lagoons

No pits, ponds or lagoons were identified in connection with waste treatment or disposal.

Stained Soil, Pavement/Stressed Vegetation

No stained soil, pavement or stressed vegetation was observed.

On-Site Solid Waste Disposal/Fill Material

No evidence of on-site disposal of trash, construction debris, demolition debris or other solid waste was observed.

Waste Water

Sanitary sewage generated at the Subject Property is discharged via a connection to the local public sewer system.

Storm water runoff at the Subject Property is discharged via roof drains into the municipal sewer system.

No additional waste water discharges were identified at the Subject Property.

Septic Systems/Cesspools

No septic systems or cesspools were identified at the Subject Property.

Wells

No wells (including any dry wells, irrigation wells, injection wells, abandoned wells, or other wells) were identified at the Subject Property.

Railroad Spurs

No railroad spurs were identified on the Subject Property.

7.0 BUSINESS ENVIRONMENTAL RISKS

In accordance with the contract agreement for this assessment, Hillmann has performed cursory reviews of several potential Business Environmental Risks (also known as "Non-Scope Considerations"). The ASTM E1527-21 standard defines the term business environmental risk (BER) as, *"a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."*

7.1 Asbestos-Containing Material (ACM)

The contracted scope of work included a cursory visual screening of the accessed portions of buildings at the Subject Property for suspect asbestos containing materials (ACM). The information provided in this section, where applicable, is limited to identification of potential suspect materials in the readily accessible and observed areas of the building, and their general condition. This is not intended to be a comprehensive survey for the presence of ACM, and no testing has been conducted.

Given the 1972 construction ACM is suspected unless ruled out by laboratory analysis.

7.2 Lead-Based Paint

The contracted scope of work included a cursory visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1978. This is not intended to constitute a comprehensive survey for LBP or potential lead hazards.

Given the 1972 construction LBP is suspected unless ruled out by laboratory analysis and/or field detection.

7.3 Radon

Data compiled by the USEPA, as summarized by the regulatory database report, indicated that the Subject Property is located in an area classified as Zone 3 or 'low risk' area for radon.

7.4 Mold/Microbial Damage

The contracted scope of work included a cursory visual screening of the accessed areas of the building for evidence of significant damage to building materials and finishes as result of moisture intrusion and/or mold/microbial growth. Hillmann did not observe evidence of significant problems with moisture intrusion or mold/microbial growth at the Property.

7.5 NWI Mapped Wetlands

The National Wetlands Inventory online Wetland Mapper (https://www.fws.gov/wetlands/data/mapper.html) was reviewed for indications of jurisdictional wetlands at or immediately adjoining the Subject Property. The scope of work for this assessment excluded a visual

determination of regulated wetlands at the Subject Property. It is emphasized that, regardless of the data reviewed via the NWI Wetlands Mapper, a field delineation of regulated wetlands by a qualified professional would be warranted to determine the presence or absence of regulated wetlands at the Subject Property.

The review did not indicate regulated wetland areas on the Property.

7.6 Drinking Water

Potable water service at the Subject Property is provided by the City of New York which meets or exceeds USEPA drinking water quality standards.

Building specific drinking water sampling was not performed.

8.0 REFERENCES

ASTM E1527-21-Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process; ASTM International, 2021

ASTM E12600-15-Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction, ASTM International, 2015

EDR Radius Map Report, and historical record reports discussed in Section 4, Environmental Data Resources

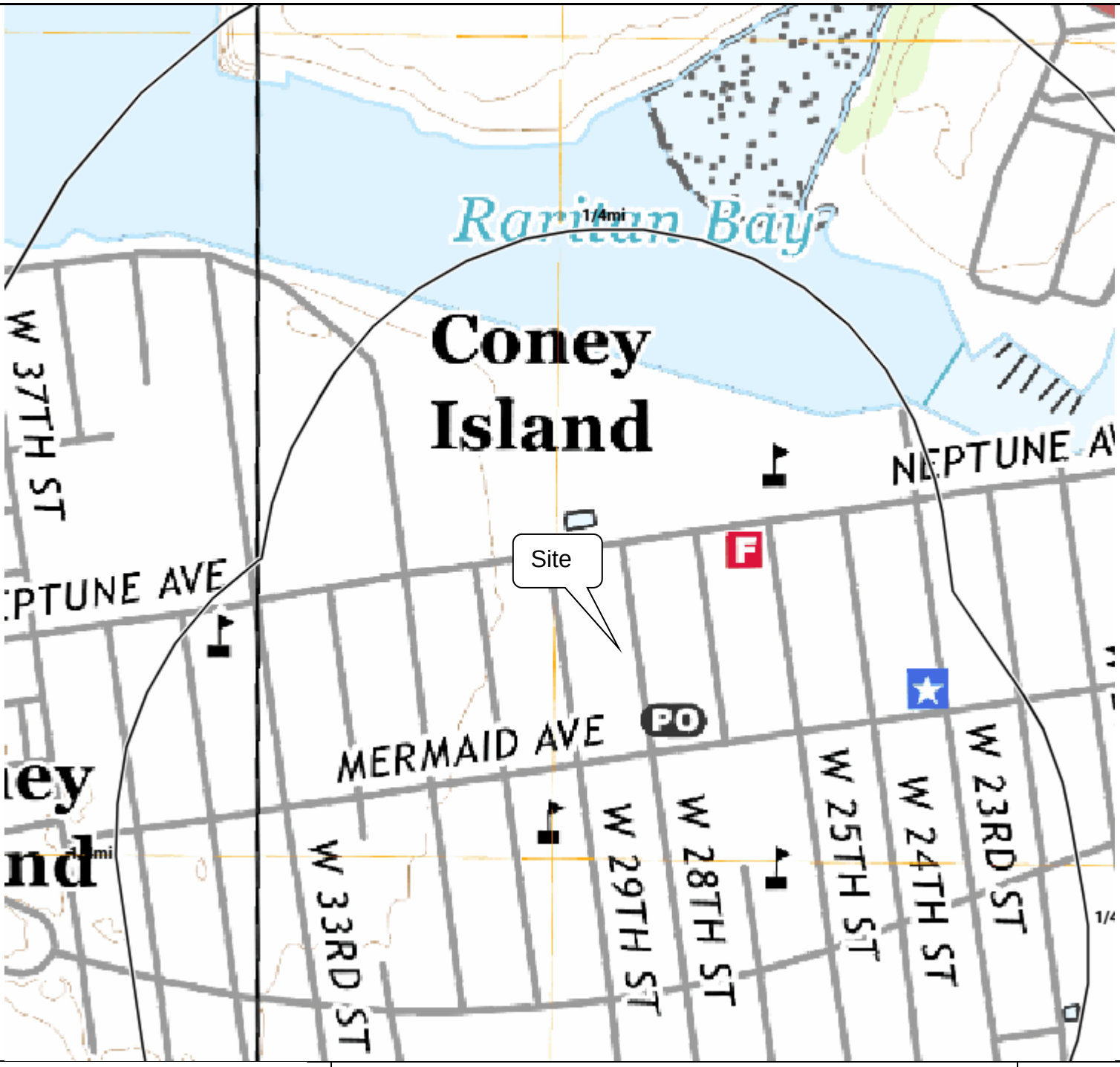
Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources; A. Buonicore, 2011

9.0 APPENDICES

Appendix A	Site Diagram / Vicinity Map
Appendix B	Site Photographs
Appendix C	Questionnaires / User Provided Information
Appendix D	Historical Records Documentation
Appendix E	Regulatory Records Documentation
Appendix F	Other Documents / Lab Results
Appendix G	Project Personnel Qualifications

APPENDIX A

MAPS / DIAGRAMS



HILLMANN CONSULTING

Figure 1: Site Vicinity Map

2828 West 28th Street
Brooklyn, New York

N

SCALE: (NOT TO SCALE)

PROJECT No.: Z34991.3

HILLMANN CONSULTING

Figure 2: Site Diagram

2828 West 28th Street
Brooklyn, New York

N

SCALE: (NOT TO SCALE)

PROJECT No.: Z34991.3

APPENDIX B

SITE PHOTOGRAPHS

SITE PHOTOGRAPHS

Subject Property – east and north façade

Subject Property –north façade

Subject Property – south façade

Subject Property – west façade

Trash Compactor

Asphalt Rooftop

PHASE I ESA - SITE PHOTOGRAPHS

2828 West 28th Street,
Brooklyn, New York

Project No.:	Z34991.3

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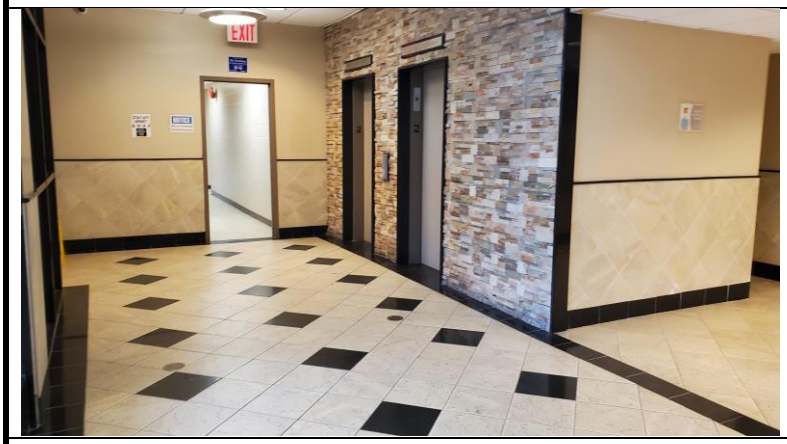
SITE PHOTOGRAPHS

AST in tank room south side of building

Traction Elevator

Parking Lot

Basketball Court



Lobby

Storage Room

PHASE I ESA - SITE PHOTOGRAPHS

2828 West 28th Street,
Brooklyn, New York

Project No.:	Z34991.3

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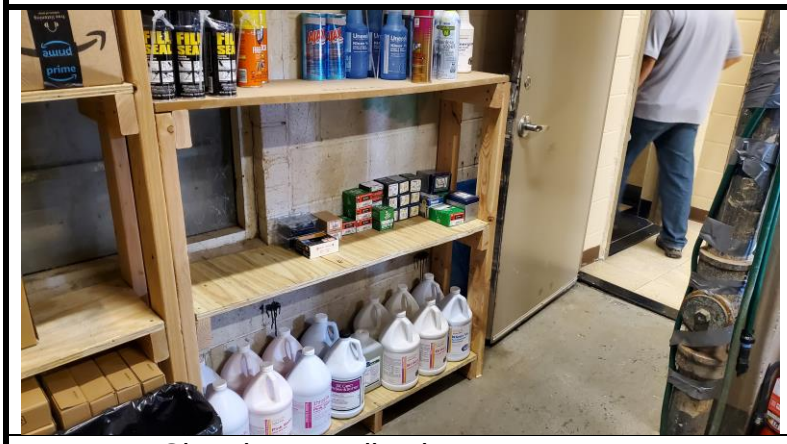
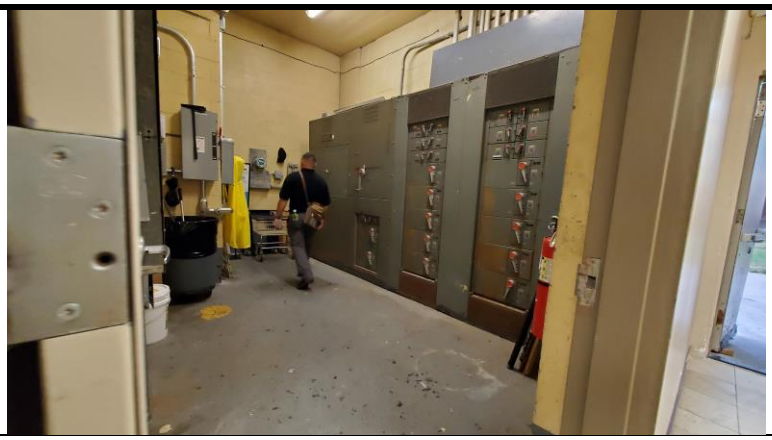
CONSULTING

SITE PHOTOGRAPHS

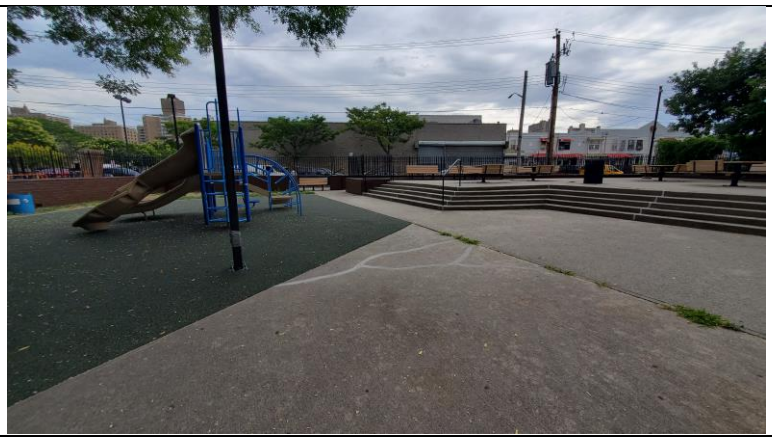


Cleaning supplies in storage room

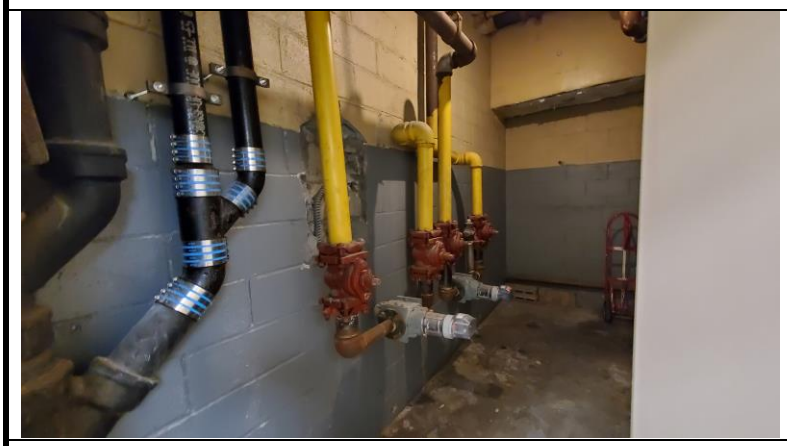


Electric Meters

Dual fuel boilers



Courtyard - south and west



Gas meters

Laundry

PHASE I ESA - SITE PHOTOGRAPHS

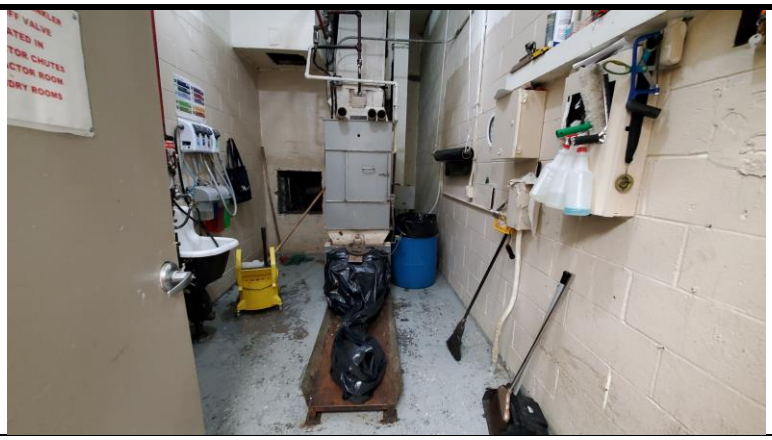
2828 West 28th Street,
Brooklyn, New York

Project No.:	Z34991.3

HILLMANN CONSULTING

SITE PHOTOGRAPHS

Natural gas hot water heaters



Interior garbage compactor

Adjoining property to the north - Church

Adjoining property to the east - residential

Adjoining property to the west - residential

Adjoining property to the north – mixed use

PHASE I ESA - SITE PHOTOGRAPHS

2828 West 28th Street,
Brooklyn, New York

Project No.:	Z34991.3

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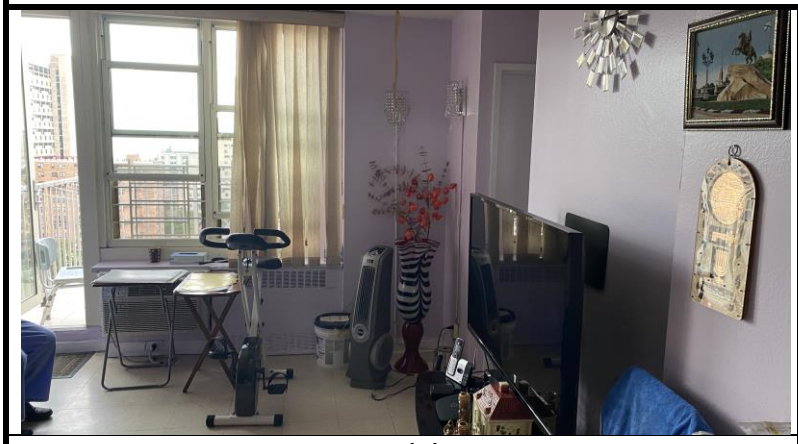
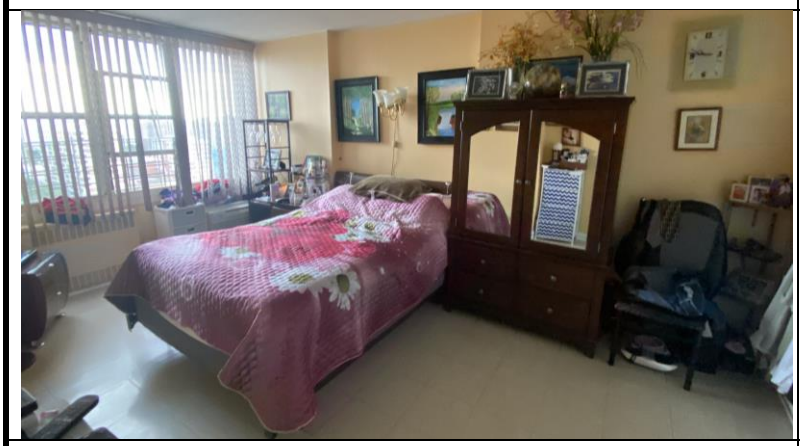
SITE PHOTOGRAPHS

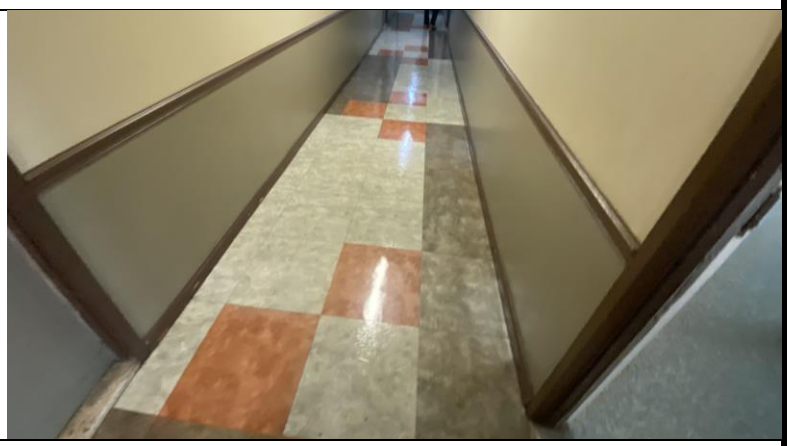


Apartment Living Room

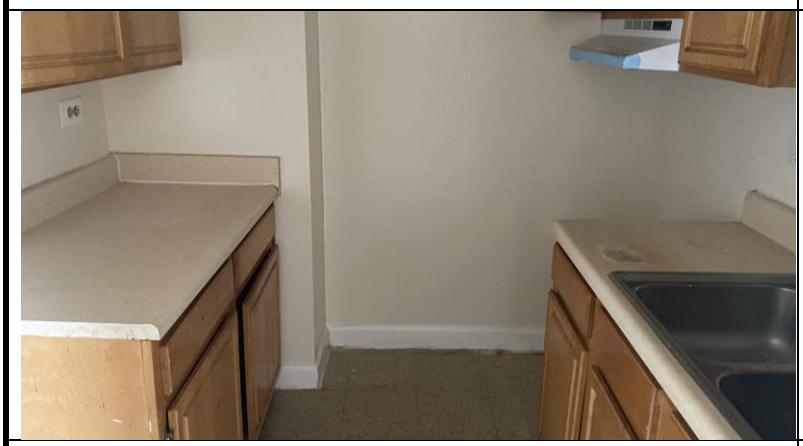
Apartment Bathroom



Apartment Bedroom



Upper floor hallway



Apartment Kitchen

Traction Elevators

PHASE I ESA - SITE PHOTOGRAPHS

2828 West 28th Street,
Brooklyn, New York

Project No.:	Z34991.3

HILLMANN
CONSULTING

APPENDIX C

QUESTIONNAIRES/USER PROVIDED DOCUMENTATION

None Provided

APPENDIX D

HISTORICAL RECORDS DOCUMENTATION

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Brooklyn, NY 11224

Inquiry Number: 7093643.5
August 22, 2022

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 200 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2017	Cole Information Services	-	X	X	-
2014	Cole Information Services	-	X	X	-
2009	Cole Information Services	-	-	-	-
2005	Hill-Donnelly Corporation	-	X	X	-
2004	Cole Information Services	-	-	-	-
2000	Cole Information Services	-	X	X	-
1999	Cole Information Services	-	-	-	-
1997	NYNEX	-	X	X	-
1994	Cole Information Services	-	-	-	-
1992	NYNEX Informantion Resource Co.	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1985	NYNEX Information Resources Company	-	X	X	-
1980	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1973	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
1965	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1960	New York Telephone	-	X	X	-
	New York Telephone Company	-	X	X	-
1949	New York Telephone Company	-	X	X	-
	New York Telephone Company	X	X	X	-
1945	New York Telephone	-	X	X	-
1940	New York Telephone	-	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1928	New York Telephone	-	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
2966 West 28th Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Brooklyn, NY 11224

FINDINGS DETAIL

Target Property research detail.

West 28th Street

2966 West 28th Street

Year	*Uses*	*Source*
1965	Martino Geo	New York Telephone
1949	Desposito Alfred E	New York Telephone Company
1934	DELUCA PATK SHOE REPR	R. L. Polk & Co.
	DESPOSITO ALF CLK R	R. L. Polk & Co.
	DESPOSITO HELEN CLK R	R. L. Polk & Co.
	DESPOSITO LOUISE R	R. L. Polk & Co.
	DESPOSITO MARIE H	R. L. Polk & Co.
	ISACOFF SAML R	R. L. Polk & Co.
	ISACOFF SARAH H	R. L. Polk & Co.
	ROSEN MORRIS SLSMN R	R. L. Polk & Co.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E 30

2930 E 30

Year	Uses	Source
1980	ROBERTS B	New York Telephone
	GONZALEZ HECTOR	New York Telephone

E 30TH ST

2930 E 30TH ST

Year	Uses	Source
1997	QAABIDH Saida	NYNEX
	HOYNER Shari	NYNEX

W 30

2902 W 30

Year	Uses	Source
1960	SHAFIROFF BENJ G P MD	New York Telephone
	Shafiroff Benj G P MD	New York Telephone Company
1940	Shafiroff Benj G P MD	New York Telephone
1928	SHAFROFF H PLUMBG CONTR	New York Telephone

2906 W 30

Year	Uses	Source
1960	BLOCK ANNA	New York Telephone
	Block Anna	New York Telephone Company
1940	Axelrod Louis	New York Telephone
1928	FRIEDMAN LEO PNTR & DEER	New York Telephone

2910 W 30

Year	Uses	Source
1960	Rothkopf Anna S	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	Newberger Anna Mrs	New York Telephone Company
	NEWBERG INDUSTRL CASE CO	New York Telephone Company
	ROTHKOPF ANNA S	New York Telephone
	NEWBERGER ANNA MRS	New York Telephone

2912 W 30

Year	Uses	Source
1960	Vogel Jos	New York Telephone Company
	Dubin Bertha	New York Telephone Company
	VOGEL JOS	New York Telephone
	DUBIN BERTHA	New York Telephone
1928	COOPER R	New York Telephone

2914 W 30

Year	Uses	Source
1960	BRESLOF BLANCHE	New York Telephone
	Breslof Blanche	New York Telephone Company
	Finamore A J	New York Telephone Company
	FINAMORE A J	New York Telephone
1945	Perlow Maurice	New York Telephone
1928	WAGEN JACOB R	New York Telephone

2915 W 30

Year	Uses	Source
1960	Tuber Max	New York Telephone Company
	Lieberman Arthur	New York Telephone Company
	TUBER MAX	New York Telephone
	LIEBERMAN ARTHUR	New York Telephone
1940	Bernstein Pearl Miss	New York Telephone
	Abrams C statnry	New York Telephone

2918 W 30

Year	Uses	Source
1928	MAZOR B MRS BDG HSE	New York Telephone

FINDINGS

2919 W 30

Year	Uses	Source
1945	Zwirn Fay	New York Telephone
1940	Donela Vincent	New York Telephone
1928	ROSENTHAL FANNY MRS R	New York Telephone
	ROYCE RUTH R	New York Telephone
	STEIN WM R	New York Telephone
	WILLIAMS HARRY R	New York Telephone

2922 W 30

Year	Uses	Source
1945	Rothenberg Morris	New York Telephone

2923 W 30

Year	Uses	Source
1960	TOYEN JACOB	New York Telephone
	Toyen Jacob	New York Telephone Company
1945	Toyen Jacob	New York Telephone
1928	FLAUM HERMAN R	New York Telephone

2925 W 30

Year	Uses	Source
1960	Ingber Louis	New York Telephone Company
	INGBER LOUIS	New York Telephone

2928 W 30

Year	Uses	Source
1940	Starr Anna	New York Telephone
1928	BEITLER HARRY DECTR	New York Telephone

2929 W 30

Year	Uses	Source
1985	HALVORSEN ARTHUR G	NYNEX Information Resources Company

2930 W 30

Year	Uses	Source
1992	BROWN CHARLES	NYNEX Informantion Resource Co.

FINDINGS

Year	*Uses*	*Source*
1992	CHESTER JOY	NYNEX Informantion Resource Co.
	CHETHAM TANISHA	NYNEX Informantion Resource Co.
	COOPER A	NYNEX Informantion Resource Co.
	CUMMINGS JOHN	NYNEX Informantion Resource Co.
	DAL CORTIVO D	NYNEX Informantion Resource Co.
	DAVIS C	NYNEX Informantion Resource Co.
	DORCE GINA	NYNEX Informantion Resource Co.
	DUDANI VIJAY KUMAR	NYNEX Informantion Resource Co.
	ELLIOTT K	NYNEX Informantion Resource Co.
	EZE PRINCE	NYNEX Informantion Resource Co.
	FORRESTER B	NYNEX Informantion Resource Co.
	FRANKLIN J	NYNEX Informantion Resource Co.
	GRAVES K	NYNEX Informantion Resource Co.
	GREEN FREDA	NYNEX Informantion Resource Co.
	GREENE FRAMBO KARIA	NYNEX Informantion Resource Co.
	HAIRSTON CLAUDIA	NYNEX Informantion Resource Co.
	HAIRSTON GEORGE	NYNEX Informantion Resource Co.
	HUDSON A	NYNEX Informantion Resource Co.
	HUNTER KATHERINE	NYNEX Informantion Resource Co.
	ISABELLE R	NYNEX Informantion Resource Co.
	J & C EXTERMINATORS	NYNEX Informantion Resource Co.
	JENKINS P	NYNEX Informantion Resource Co.
	JENKINS PARIS JR	NYNEX Informantion Resource Co.
	JOHNSON D	NYNEX Informantion Resource Co.
	KEH JOE	NYNEX Informantion Resource Co.
	KELLAR J	NYNEX Informantion Resource Co.
	KILPATRICK L	NYNEX Informantion Resource Co.
	LAMBOY G	NYNEX Informantion Resource Co.
	LEGETTE V	NYNEX Informantion Resource Co.
	MADISON M	NYNEX Informantion Resource Co.
	MALDONADO T	NYNEX Informantion Resource Co.
	MARTIN ANDREA	NYNEX Informantion Resource Co.

FINDINGS

Year	*Uses*	*Source*
1992	MARTINEZ C	NYNEX Informantion Resource Co.
	MARTINEZ LILIAN	NYNEX Informantion Resource Co.
	MCLENNAN W	NYNEX Informantion Resource Co.
	NURSE ANNA	NYNEX Informantion Resource Co.
	P R C	NYNEX Informantion Resource Co.
	PARKER TORRENCE	NYNEX Informantion Resource Co.
	PIERRE-LOUIS WITLENE	NYNEX Informantion Resource Co.
	PUGH J	NYNEX Informantion Resource Co.
	RAMOS L	NYNEX Informantion Resource Co.
	RAYNOR GEORGE	NYNEX Informantion Resource Co.
	RICE P	NYNEX Informantion Resource Co.
	RIVERS PATRICIA	NYNEX Informantion Resource Co.
	ROBINSON A	NYNEX Informantion Resource Co.
	RODRIGUEZ T	NYNEX Informantion Resource Co.
	SANTIAGO JOHN & LIZETTE	NYNEX Informantion Resource Co.
	SANTIAGO S	NYNEX Informantion Resource Co.
	SEARLES GLEN	NYNEX Informantion Resource Co.
	SEPULVEDA MIRIAM	NYNEX Informantion Resource Co.
	SERGE-GELIN JEAN	NYNEX Informantion Resource Co.
	SMITH C	NYNEX Informantion Resource Co.
	SOTO CARLOS	NYNEX Informantion Resource Co.
	STOVALL OTIS	NYNEX Informantion Resource Co.
	THOMAS HAYLENE	NYNEX Informantion Resource Co.
	THOMAS J	NYNEX Informantion Resource Co.
	TOYIN OJO	NYNEX Informantion Resource Co.
	VASQUEZ R	NYNEX Informantion Resource Co.
	WENTZ REGINALD	NYNEX Informantion Resource Co.
	WHITE BARBARA	NYNEX Informantion Resource Co.
	WIGGINS REBECCA	NYNEX Informantion Resource Co.
	WILLIAMS S	NYNEX Informantion Resource Co.
	WOODSIDE P	NYNEX Informantion Resource Co.
	ADEFEMI DAVID	NYNEX Informantion Resource Co.

FINDINGS

Year	*Uses*	*Source*
1992	ADEFEMI DAVID	NYNEX Informantion Resource Co.
	ALABRE MARIE	NYNEX Informantion Resource Co.
	ALADENIKA ADEBISI	NYNEX Informantion Resource Co.
	ALEXANDER O	NYNEX Informantion Resource Co.
	ALGARIN R	NYNEX Informantion Resource Co.
	ASKEW WILLIE	NYNEX Informantion Resource Co.
	BATTLE J A	NYNEX Informantion Resource Co.
	BOOKMAN D	NYNEX Informantion Resource Co.
1985	ALLEN L	NYNEX Information Resources Company
	ATTERBURY ANTHONY	NYNEX Information Resources Company
	BAKER B N	NYNEX Information Resources Company
	BALDWIN WILLIAM E	NYNEX Information Resources Company
	BALLARD CURTIS	NYNEX Information Resources Company
	BATTLE J A	NYNEX Information Resources Company
	BILLIPS LUCIENNE	NYNEX Information Resources Company
	BOOKMAN D	NYNEX Information Resources Company
	BRAITHWAITE BARRY	NYNEX Information Resources Company
	BROWN B	NYNEX Information Resources Company
	BROWN T	NYNEX Information Resources Company
	CAMARA B	NYNEX Information Resources Company
	CHERRY B	NYNEX Information Resources Company
	CHESTER JOY	NYNEX Information Resources Company
	COLE C	NYNEX Information Resources Company
	COUINGTON P	NYNEX Information Resources Company
	DAVIS C	NYNEX Information Resources Company
	DAWSON LEO	NYNEX Information Resources Company
	DE PEAZA AINSWORTH	NYNEX Information Resources Company
	EDWARDS MILTON	NYNEX Information Resources Company
	ELLIOTT GERTRUDE	NYNEX Information Resources Company
	ELLIOTT TANYA	NYNEX Information Resources Company
	ESPANOL MYRNA	NYNEX Information Resources Company
	FERGUSON A	NYNEX Information Resources Company

FINDINGS

Year	*Uses*	*Source*
1985	GREENE CHUCK	NYNEX Information Resources Company
	HAIRSTON CLAUDIA	NYNEX Information Resources Company
	HARRIS C	NYNEX Information Resources Company
	HERNANDEZ WANDA	NYNEX Information Resources Company
	HOLMES B	NYNEX Information Resources Company
	HUDSON A	NYNEX Information Resources Company
	J & C EXTERMINATORS	NYNEX Information Resources Company
	JENKINS PARIS JR	NYNEX Information Resources Company
	JOHNSON HOWARD	NYNEX Information Resources Company
	KILPATRICK I	NYNEX Information Resources Company
	LAWSON JOHN	NYNEX Information Resources Company
	LEE KATHERINE	NYNEX Information Resources Company
	MAULE J M	NYNEX Information Resources Company
	MEYROWITZ L	NYNEX Information Resources Company
	MINOR THEODORE	NYNEX Information Resources Company
	NELSON JOHNSON	NYNEX Information Resources Company
	NOLAN MARTIN	NYNEX Information Resources Company
	NORRIS V L	NYNEX Information Resources Company
	PALMER VICTORIA	NYNEX Information Resources Company
	PARKER TORRENCE	NYNEX Information Resources Company
	PATTERSON K	NYNEX Information Resources Company
	PENDARVIS V D	NYNEX Information Resources Company
	PRYOR GEO	NYNEX Information Resources Company
	PUGH J	NYNEX Information Resources Company
	RICE P	NYNEX Information Resources Company
	RODGERS KEVIN	NYNEX Information Resources Company
	SALAS GERMAIN F	NYNEX Information Resources Company
	SEARLES GLEN	NYNEX Information Resources Company
	SHAW FREDERICK	NYNEX Information Resources Company
	SLADE DOLORES	NYNEX Information Resources Company
	SPEW MANAGMNT	NYNEX Information Resources Company
	STEWART GEORGE	NYNEX Information Resources Company

FINDINGS

Year	*Uses*	*Source*
1985	STOVALL OTIS	NYNEX Information Resources Company
	THOMAS JAMES	NYNEX Information Resources Company
	THOMAS VINCENT	NYNEX Information Resources Company
	VELAZQUEZ E	NYNEX Information Resources Company
	WALTON LINDA	NYNEX Information Resources Company
	WHITE BARBARA	NYNEX Information Resources Company
	WHITE BOBBY	NYNEX Information Resources Company
	WILLIAMS H	NYNEX Information Resources Company
	WILSON B	NYNEX Information Resources Company
	WRIGHT M	NYNEX Information Resources Company
	YARBROUGH MICHELLE	NYNEX Information Resources Company
1980	BALDWIN WILLIAM E	New York Telephone
	BALLARD CURTIS	New York Telephone
	BECOTE SYLVESTER JR	New York Telephone
	DIAZ D	New York Telephone
	DOZIER CHESTER	New York Telephone
	FERGUSION A	New York Telephone
	FOREMAN WILLIE	New York Telephone
	GARRETT ALFRED	New York Telephone
	GOODE EURANIA K	New York Telephone
	HARGROVE CHERRY	New York Telephone
	HAYES A	New York Telephone
	KIDD CHARLES	New York Telephone
	MORGAN E	New York Telephone
	NOLAN MARTIN	New York Telephone
	PARKER TORRANAE	New York Telephone
	ROBINSON D	New York Telephone
	SHTEIMAN GRIGORY	New York Telephone
	STEPNEY DOROTHY	New York Telephone
	THOMAS V & J	New York Telephone
	THORNTON HERMAN	New York Telephone
	WALKER V	New York Telephone

FINDINGS

Year	*Uses*	*Source*
1980	WILLIAMS H	New York Telephone
	WILLIAMS NATHANIEL	New York Telephone
	WILLIAMS R	New York Telephone
	WONG M	New York Telephone
	WRIGHT C	New York Telephone
	YARBOROUGH MICHELLE	New York Telephone
1976	PETTIGREW ALLEN T	New York Telephone
	PRYOR GEO	New York Telephone
	ROBERTS CANNOTH	New York Telephone
	ROSENBERG SONLA	New York Telephone
	ROSENSTEIN RAY	New York Telephone
	RUBIN GILBERT	New York Telephone
	SALTZ IRVING	New York Telephone
	SCHWARTZ ISIDORE	New York Telephone
	SCHWARTZ REBECCA	New York Telephone
	SEDA SALVADOR	New York Telephone
	SILVERMAN MOLLIE	New York Telephone
	SIMON BERTHA MRS	New York Telephone
	SPIELMAN JACK	New York Telephone
	SPRUNG ELI	New York Telephone
	STEPNEY DOROTHY	New York Telephone
	STEWART B	New York Telephone
	STREET EDWARD	New York Telephone
	TANTILLO PAUL	New York Telephone
	TORRES ALBERT	New York Telephone
	TORRES ISRAEL B	New York Telephone
	VASQUEZ JOSE	New York Telephone
	WAINSTAIN ABA	New York Telephone
	WILLIAMS CHARLES	New York Telephone
	WONG M	New York Telephone
	ZACHARY L	New York Telephone
	AGUAYO RAFAEL	New York Telephone

FINDINGS

Year	*Uses*	*Source*
1976	AGUILA ANTONIO	New York Telephone
	ANDERSON M	New York Telephone
	ARUZ DAVID	New York Telephone
	BALDWIN WILLIAM E	New York Telephone
	BATTLE J A	New York Telephone
	BERLANGA CARLOS MRS	New York Telephone
	BLUMBORG ISABEL	New York Telephone
	BORDEN JEANETTE	New York Telephone
	BROOKS LONNIE	New York Telephone
	CAMERON JAMES	New York Telephone
	CARR WILLIE	New York Telephone
	CHARLES MARY	New York Telephone
	COLON CARMEN	New York Telephone
	DAL CORTIVO D	New York Telephone
	DRILLIS RUDOLF P H D	New York Telephone
	ELLIOTT GERTRUDE	New York Telephone
	ERGANG ANNA MRS	New York Telephone
	FAIR JEREL	New York Telephone
	FERGENSON BRIAN	New York Telephone
	FERGENSON ELAINE	New York Telephone
	FEUERSTEIN LEONA	New York Telephone
	FIGUEROA NARCISO	New York Telephone
	FOLIO RUDOLPH	New York Telephone
	GARRETT H	New York Telephone
	GELBER ALICE E MRS	New York Telephone
	GRIEB BENEDICT	New York Telephone
	GROCHOWSKY FRED	New York Telephone
	HAMPTON MANAGMNT CO MAINTENANCE OFC	New York Telephone
	HARRIS C	New York Telephone
	HARRIS MARVIN	New York Telephone
	HUGGINS WILLIE	New York Telephone
	HYMAN MORRIS	New York Telephone

FINDINGS

Year	Uses	Source
1976	HYMAN T	New York Telephone
	ISAKSEN A	New York Telephone
	JENKINS PARIS JR	New York Telephone
	JOHNSON J	New York Telephone
	KLAJMAN PINCHUS	New York Telephone
	KLEIN E	New York Telephone
	KRAUS LOUIS	New York Telephone
	LEE B	New York Telephone
	LEE KATHERINE	New York Telephone
	LEVY MORRIS	New York Telephone
	LIPSKY ALEX	New York Telephone
	LONESKY D	New York Telephone
	LOPEZ J	New York Telephone
	LUCIANO J	New York Telephone
	LYNCH SUDIE	New York Telephone
	MARTIN SAUL	New York Telephone
	MARTINO PIETRO	New York Telephone
	MCFADDEN B	New York Telephone
	MEDNICK WALTER	New York Telephone
	MERCAL J	New York Telephone
	NEWLANDER SHIRLEY MRS	New York Telephone
	NOSSEN P	New York Telephone
	NUSBAUM G	New York Telephone
	OKENEYE RASAKL	New York Telephone
1960	Gallagher David M	New York Telephone Company
	GALLAGHER DAVID M	New York Telephone

2931 W 30

Year	Uses	Source
1960	Wunderlich Fanny Mrs	New York Telephone Company
	GORDON SAML	New York Telephone
	WUNDERLICH FANNY MRS	New York Telephone
	Gordon Saml	New York Telephone Company

FINDINGS

2933 W 30

Year	Uses	Source
1960	Ray Wm	New York Telephone Company
	RAY WM	New York Telephone
	ROSENBERG DOROTHY MRS	New York Telephone
	Rosenberg Dorothy Mrs	New York Telephone Company

2935 W 30

Year	Uses	Source
1960	Lynn Jos	New York Telephone Company
	Springer Molly	New York Telephone Company
	SPRINGER MOLLY	New York Telephone
	LYNN JOS	New York Telephone

2936 W 30

Year	Uses	Source
1960	HUCKABY B F	New York Telephone
	Huckaby B F	New York Telephone Company

2937 W 30

Year	Uses	Source
1960	NAGEL HARRY	New York Telephone
	Nagel Harry	New York Telephone Company
1945	Blumstein Philip	New York Telephone

2939 W 30

Year	Uses	Source
1960	FARKASH KALMAN	New York Telephone
	SINGER WM	New York Telephone
	Farkash Kalman	New York Telephone Company
	Singer Wm	New York Telephone Company
1928	GROSS D RL EST	New York Telephone

2940 W 30

Year	Uses	Source
1960	Malloy Jas J	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	MALLOY JAS J	New York Telephone

2941 W 30

Year	Uses	Source
1960	Stone Richd	New York Telephone Company
	STONE RICHD	New York Telephone
1928	WALD MINNIE R	New York Telephone

2942 W 30

Year	Uses	Source
1960	Graffeo Mary	New York Telephone Company
	Kaye Sylvia	New York Telephone Company
	Klezmer Sylvia	New York Telephone Company
	Maurer S	New York Telephone Company
	Morgenstern Max	New York Telephone Company
	Neuborn Mac	New York Telephone Company
	Rasnikov Annie	New York Telephone Company
	Rosen A	New York Telephone Company
	Sachwald Bernard	New York Telephone Company
	Spielberg Max	New York Telephone Company
	Zweiback Shirley	New York Telephone Company
	BIEGEL JOE	New York Telephone
	BRAVERMAN IDA	New York Telephone
	COHEN SARAH	New York Telephone
	DIAMOND HARRY	New York Telephone
	GRAFFEO MARY	New York Telephone
	KAYE SYLVIA	New York Telephone
	KLEZMER SYLVIA	New York Telephone
	MAURER S	New York Telephone
	MORGENSTERN MAX	New York Telephone
	NEUBORN MAC	New York Telephone
	RASNIKOV ANNIE	New York Telephone
	ROSEN A	New York Telephone
	SACHWALD BERNARD	New York Telephone

FINDINGS

Year	Uses	Source
1960	SPIELBERG MAX	New York Telephone
	ZWEIBACK SHIRLEY	New York Telephone
	Biegel Joe	New York Telephone Company
	Braverman Ida	New York Telephone Company
	Cohen Sarah	New York Telephone Company
	Diamond Harry	New York Telephone Company
1945	Maurer S	New York Telephone
	Silbert Julius	New York Telephone
	Tames M Mrs	New York Telephone
	Wolf Rose Mrs	New York Telephone
1940	Kaplan Max	New York Telephone
	Katz Morris	New York Telephone
	Wolf Rose Mrs	New York Telephone
1934	PILITZER SAML RESTR H	R. L. Polk & Co.
1928	ESRALEW I R	New York Telephone
	ROSENBERG HYMAN R	New York Telephone

2947 W 30

Year	Uses	Source
1945	Bricker Morris genl store	New York Telephone
1934	WAKS FANNY MRS GRO TH H2953 DO	R. L. Polk & Co.
1928	WIENER J FEY	New York Telephone

2949 W 30

Year	Uses	Source
1960	Roth Nathan	New York Telephone Company
	KORN SAM	New York Telephone
	LATNER LEO	New York Telephone
	LEVENFUS HERMAN	New York Telephone
	ROSENBERG POLLY	New York Telephone
	ROSENKAVE MANDEL	New York Telephone
	ROTH NATHAN	New York Telephone
	Korn Sam	New York Telephone Company
	Latner Leo	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	Levenfus Herman	New York Telephone Company
	Rosenberg Polly	New York Telephone Company
	Rosenkave Mandel	New York Telephone Company
1945	Gross Helen Mrs	New York Telephone
	Gard Frieda	New York Telephone
	Ornstein Morris	New York Telephone
	Singer Jack	New York Telephone
1940	Ornstein Morris	New York Telephone
	Bokser Jos	New York Telephone
1928	DAVIDOW S Z R	New York Telephone

2952 W 30

Year	Uses	Source
1960	DOWD FRANCIS J	New York Telephone
	Dowd Francis J	New York Telephone Company
1945	Albert Florence	New York Telephone

2953 W 30

Year	Uses	Source
1960	BINDER MAX	New York Telephone
	DANTOWITZ ISRAEL	New York Telephone
	NUTIG SOL	New York Telephone
	ROTHSCHILD BURTON	New York Telephone
	Rothschild Burton	New York Telephone Company
	Nutig Sol	New York Telephone Company
	Dantowitz Israel	New York Telephone Company
	Binder Max	New York Telephone Company
	WEISS JOS	New York Telephone
	Weiss Jos	New York Telephone Company
1928	DOLLINGER MAX R	New York Telephone
	SINDERBRAND LOUIS R	New York Telephone

FINDINGS

2954 W 30

Year	Uses	Source
1960	Smith Evelyn	New York Telephone Company
	SMITH EVELYN	New York Telephone
	Wallace Hotel	New York Telephone Company
	WALLACE HOTEL	New York Telephone
1945	Wallace Hotel	New York Telephone
1940	Wallace Hotel	New York Telephone
1928	MANTELL J W BDG HSE	New York Telephone

2957 W 30

Year	Uses	Source
1928	WOLLMAN S FRNSHD RMS	New York Telephone

2968 W 30

Year	Uses	Source
1940	Bosios E A Mrs	New York Telephone

2969 W 30

Year	Uses	Source
1960	GOODMAN HARRY	New York Telephone
	Goodman Harry	New York Telephone Company

2971 W 30

Year	Uses	Source
1960	HEINZ WALTER	New York Telephone
	Heinz Walter	New York Telephone Company

2972 W 30

Year	Uses	Source
1960	ROTHENBERG SOPHIE MRS	New York Telephone
	Rothenberg Sophie Mrs	New York Telephone Company
1940	Rothenberg Morris	New York Telephone
1928	ROTHENBERG MORRIS R	New York Telephone

FINDINGS

2973 W 30

Year	Uses	Source
1976	OJSTACHER N	New York Telephone
1960	Shear Gee	New York Telephone Company
	Zager M	New York Telephone Company
	Schneider Estelle	New York Telephone Company
	Maresca Armondo	New York Telephone Company
	SHEAR GEE	New York Telephone
	SCHNEIDER ESTELLE	New York Telephone
	MARESCA ARMONDO	New York Telephone
	ZAGER M	New York Telephone
1945	Shear Phil B	New York Telephone
1928	KEMP CHAS DR R	New York Telephone

2980 W 30

Year	Uses	Source
1960	WASSERMAN SAM	New York Telephone
	Wasserman Sam	New York Telephone Company

2981 W 30

Year	Uses	Source
1960	WOLFE AL	New York Telephone
	Wengrover Jack	New York Telephone Company
	WENGROVER JACK	New York Telephone
	Wolfe Al	New York Telephone Company
1928	POLIMER M L R	New York Telephone
	PALMER NELSON ATTY	New York Telephone

2982 W 30

Year	Uses	Source
1960	Solomons Sam	New York Telephone Company
	Fox Max	New York Telephone Company
	Fox Bernice R	New York Telephone Company
	SOLOMONS SAM	New York Telephone
	FOX BERNICE R	New York Telephone

FINDINGS

Year	Uses	Source
1960	FOX MAX	New York Telephone
1945	Solomon Sam	New York Telephone
1928	PFEFFER J R	New York Telephone

2983 W 30

Year	Uses	Source
1940	Meisner Rose Mrs	New York Telephone
1928	LERMOUNT M FURN RMS	New York Telephone

W 30 265

2930 W 30 265

Year	Uses	Source
1997	DAL CORTIVO D	NYNEX

W 30 946

2930 W 30 946

Year	Uses	Source
1997	HAIRSTON Claudia	NYNEX

2939 W 30 946

Year	Uses	Source
1997	ALEXANDER Adriane	NYNEX

W 30TH

2902 W 30TH

Year	Uses	Source
1934	SHAFFROFF BENJ PHYS H DO	R. L. Polk & Co.

2904 W 30TH

Year	Uses	Source
1934	SHAFFROFF CHAS STUDENT R	R. L. Polk & Co.
	SHAFFROFF HYMAN PLMBR H DO	R. L. Polk & Co.
	SHAFFROFF REBECCA STEN R	R. L. Polk & Co.
	SHAFFROFF JACOB PLMBR R	R. L. Polk & Co.

FINDINGS

2906 W 30TH

Year	Uses	Source
1934	STEINER RUTH MRS R	R. L. Polk & Co.
	FRIEDMAN LEOPOLD PNTR H DO	R. L. Polk & Co.
	FRIEDMAN SAML PNTR R	R. L. Polk & Co.

2910 W 30TH

Year	Uses	Source
1934	GROSSMAN AARON H	R. L. Polk & Co.
	GILDES MORRIS PLSHR H	R. L. Polk & Co.

2912 W 30TH

Year	Uses	Source
1934	NATIONAL SARAH BKPR R	R. L. Polk & Co.
	NATIONAL OSCAR SLSMN H	R. L. Polk & Co.
	MILLER NATHAN PNTR R	R. L. Polk & Co.

2914 W 30TH

Year	Uses	Source
1934	KIRCHENBAUM FRANK SHOE WKR R	R. L. Polk & Co.
	PERLOW MORRIS GARMENT WKR H	R. L. Polk & Co.
	SIEGEL JOS PNTR H	R. L. Polk & Co.
	SIEGEL ROSE STEN R	R. L. Polk & Co.

2915 W 30TH

Year	Uses	Source
1934	ZABROWSKY MORRIS CONFR	R. L. Polk & Co.

2916 W 30TH

Year	Uses	Source
1934	ZABROWSKY ABR TAILOR H	R. L. Polk & Co.
	WAGMAN HYMAN TAILOR H	R. L. Polk & Co.
	ROSENBERG HARRY SLSMN H	R. L. Polk & Co.
	SLOTKOFF IRVING SLSMN R	R. L. Polk & Co.

FINDINGS

2917 W 30TH

Year	Uses	Source
1934	MLYNARSKY YETTA MRS GRO H DO	R. L. Polk & Co.
	MLYNARSKY SIMON CLK R	R. L. Polk & Co.

2918 W 30TH

Year	Uses	Source
1934	SOLOW CLUB INC	R. L. Polk & Co.
	GOLDBERG ABR MLNR H	R. L. Polk & Co.
	MILLER CHAS SLSMN H	R. L. Polk & Co.

2919 W 30TH

Year	Uses	Source
1934	WILLIAMS HARRY L ACCT H	R. L. Polk & Co.
	WILLIAMS DOROTHY M STEN R	R. L. Polk & Co.

2924 W 30TH

Year	Uses	Source
1934	TISHMAN WM TAILOR H	R. L. Polk & Co.

2928 W 30TH

Year	Uses	Source
1934	AURIETTE BYRNE R	R. L. Polk & Co.
	BOULICH MARIA H	R. L. Polk & Co.
	ELEV OPR H	R. L. Polk & Co.
	GELFANT HARRY TAILOR H	R. L. Polk & Co.
	SEIVER SAML FURRIER R	R. L. Polk & Co.

2931 W 30TH

Year	Uses	Source
1934	WAXGISER EVA H	R. L. Polk & Co.
	BALICK SADIE R	R. L. Polk & Co.
	WAXGISER ABR M STATIONERY R	R. L. Polk & Co.
	ROSENTHAL ANNA H	R. L. Polk & Co.

FINDINGS

2933 W 30TH

Year	Uses	Source
1934	LANDSMAN SAML L TAILOR H	R. L. Polk & Co.
	LANDSMAN RUTH STEN R	R. L. Polk & Co.
	ROSENBERG HYMAN NEWS DLD H	R. L. Polk & Co.
	SEIGER FLORENCE SLSWN R	R. L. Polk & Co.
	SEIGER JENNY SLSWN R	R. L. Polk & Co.

2934 W 30TH

Year	Uses	Source
1934	NESSON SYLVIA BKPR R	R. L. Polk & Co.

2935 W 30TH

Year	Uses	Source
1934	SILVERSTEIN SIDNEY CLK R	R. L. Polk & Co.
	SILVERSTEIN JOS J TAILOR H	R. L. Polk & Co.
	BERNSTEIN MAX ELEV OPR H	R. L. Polk & Co.
	AUERBACH NATHAN RESTR R	R. L. Polk & Co.
	BERNSTEIN SAML CLK R	R. L. Polk & Co.

2938 W 30TH

Year	Uses	Source
1934	BERNSTEIN BEATRICE BKPR R	R. L. Polk & Co.

2939 W 30TH

Year	Uses	Source
1934	COOPER SAML TINSMITH R	R. L. Polk & Co.
	GROSS DAVID REAL EST H DO	R. L. Polk & Co.
	BADER MAX FCTYWKR R	R. L. Polk & Co.
	GROSS PAULINE STEN R	R. L. Polk & Co.
	WEINSTEIN MORRIS FCTYWKR R	R. L. Polk & Co.
	COHEN JACOB FCTYWKR R	R. L. Polk & Co.
	BADER HYMAN FCTYWKR R	R. L. Polk & Co.
	GROSS JACOB FILM OPR R	R. L. Polk & Co.

FINDINGS

2941 W 30TH

Year	Uses	Source
1934	WALD JACOB BARBER	R. L. Polk & Co.
	GOODMAN ABR GARMENT WKR H	R. L. Polk & Co.
	SIEGEL MORRIS M PDLR H	R. L. Polk & Co.
	SIEGEL ABR P CLK R	R. L. Polk & Co.

2942 W 30TH

Year	Uses	Source
1934	YAVER SAML AUTO MECH R	R. L. Polk & Co.
	YAVER JULIUS PRINTER R	R. L. Polk & Co.
	YAVER ISADORE TAILOR H	R. L. Polk & Co.
	YAVER BENJ MGR MURRAY LAMBERG R	R. L. Polk & Co.
	WOLF ROSE H	R. L. Polk & Co.
	WOLF LOUIS PHARM R	R. L. Polk & Co.
	WOLF IRVING CLK R	R. L. Polk & Co.
	WOLF IRA GARMENT WKR R	R. L. Polk & Co.
	WILLIG JACOB RET FISH	R. L. Polk & Co.
	TRUMBLER WM GARMENT OPR H	R. L. Polk & Co.
	TRUMBLER JOS PRINTER R	R. L. Polk & Co.
	TRUMBLER JACOB PRINTER R	R. L. Polk & Co.
	TROMBLER JACOB H	R. L. Polk & Co.
	ROSEN SYLVIA STEN R	R. L. Polk & Co.
	ROSEN HAROLD MUSICIAN R	R. L. Polk & Co.
	ROSEN DAVID LNDRYMN H	R. L. Polk & Co.
	ROSEN DAVID CHAUF R	R. L. Polk & Co.
	ROSEN BLANCHE CLK R	R. L. Polk & Co.
	NYMAN HARRY TINSMITH H	R. L. Polk & Co.
	BRAMBLER MAX SLSMN H	R. L. Polk & Co.
	EHRENMAN ISRAEL GARMENT WKR H	R. L. Polk & Co.

2945 W 30TH

Year	Uses	Source
1934	GREENBERG SOL AGT R	R. L. Polk & Co.

FINDINGS

2947 W 30TH

Year	Uses	Source
1934	WAKS MEYER CLK R	R. L. Polk & Co.
	WAKS DIANA STEN R	R. L. Polk & Co.
	FRANKEL SAML BOX CTR H	R. L. Polk & Co.
	WAKS WOLF CLK H	R. L. Polk & Co.

2949 W 30TH

Year	Uses	Source
1934	SILVERSTEIN FLORENCE STEN R	R. L. Polk & Co.
	COOPERSTEIN HERMAN TAILOR H	R. L. Polk & Co.
	COOPERSTEIN NATHAN SLSMN R	R. L. Polk & Co.
	KELL JACOB H	R. L. Polk & Co.
	KAUFER ARTH PLSHR H	R. L. Polk & Co.
	GLASSMAN LOUIS CHAUF R	R. L. Polk & Co.
	DAVIDOFF SAML L SLSMN H	R. L. Polk & Co.
	DAVIDOFF HARRY R	R. L. Polk & Co.
	DACHER LOUIS GARMENT WKR H	R. L. Polk & Co.
	BOKSER ANNA STEN R	R. L. Polk & Co.
	BAKSER MAX STUDENT R	R. L. Polk & Co.
	ALMON MILDRED STEN R	R. L. Polk & Co.
	ALMEN MAX H	R. L. Polk & Co.
	BOKSER JOS CLK PO H	R. L. Polk & Co.

2951 W 30TH

Year	Uses	Source
1934	LASKY JOS PLMBR R	R. L. Polk & Co.

2952 W 30TH

Year	Uses	Source
1934	AMBROSE ANTHONY SHOEWKR H	R. L. Polk & Co.
	PERTOSA BRUNO SHIRT IRONER H	R. L. Polk & Co.
	SPECTOR FAY FURRIE R	R. L. Polk & Co.
	SPECTOR SAML SLSMN H	R. L. Polk & Co.
	AMBRO ANTONINO CLK H	R. L. Polk & Co.

FINDINGS

2953 W 30TH

Year	Uses	Source
1934	VANTOWITZ ISADORE GARMENT WKR H	R. L. Polk & Co.
	KRONISH SAML R	R. L. Polk & Co.
	KRONISH ESTHER R	R. L. Polk & Co.
	KARPEN ESTELLE GARMENT WKR R	R. L. Polk & Co.
	HELLENBERG AARON TINSMITH H	R. L. Polk & Co.
	BRUST NATHAN SLSMN H	R. L. Polk & Co.
	BERLIN ABR MEATS	R. L. Polk & Co.
	ROSEN SAML SHOE REPR	R. L. Polk & Co.
	ROSEN SAML R	R. L. Polk & Co.
	RABINOWITZ SAML PIPEWKR H	R. L. Polk & Co.
	MARCUS HELEN STEN R	R. L. Polk & Co.
	MARCUS LEON SLSMN H	R. L. Polk & Co.
	MARCUS SIDNEY SLSMN R	R. L. Polk & Co.

2954 W 30TH

Year	Uses	Source
1934	CASH R	R. L. Polk & Co.
	R	R. L. Polk & Co.
	SLSWN R	R. L. Polk & Co.
	CLK R	R. L. Polk & Co.
	LIPSCHITZ IDA MRS R	R. L. Polk & Co.
	MOCERINO DOMINICK TLLE STR R	R. L. Polk & Co.
	MOORE ANNA MRS H	R. L. Polk & Co.
	MOORE PAULINE STEN R	R. L. Polk & Co.
	MOORE SAML FURN RMS	R. L. Polk & Co.
	NEIDES CELLA MRS R	R. L. Polk & Co.
	NEMETH BESSIE R	R. L. Polk & Co.
	NEMETH GABRIEL GARMENT WKR R	R. L. Polk & Co.
	NESSEN SAML CHAUF H	R. L. Polk & Co.
	NESSON JACOB SLSMN R	R. L. Polk & Co.
	NESSON SAML CHAUF R	R. L. Polk & Co.
	PLANT SYDNEY EXPMN R	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	ROSMARIN ANNA MRS R	R. L. Polk & Co.
	SACKS MORRIS R	R. L. Polk & Co.
	SAPERSTEIN FANNY R	R. L. Polk & Co.
	SHAUBORN ANNA R	R. L. Polk & Co.
	SOMMA JOS ACTOR R	R. L. Polk & Co.
	HENRY R	R. L. Polk & Co.
	VOSTOLA ANTHONY CIGARMKR R	R. L. Polk & Co.
	YUDESS LOUIS CHAUF R	R. L. Polk & Co.
	ZELINK SAML R	R. L. Polk & Co.
	KAPLAN SADLE FCTY WKR R	R. L. Polk & Co.
	KALIS BENJ BRKLYR R	R. L. Polk & Co.
	GUTTMAN MARTIN ELECTN R	R. L. Polk & Co.
	GROSSMAN ABEL R	R. L. Polk & Co.
	GOODMAN BESSIE R	R. L. Polk & Co.
	FUCHS WM GENL CONTR R	R. L. Polk & Co.
	FREEDMAN ISAAC GARMENT WKR R	R. L. Polk & Co.
	FLOMENBAUM HARRY R	R. L. Polk & Co.
	FICHLEBERG SARAH R	R. L. Polk & Co.
	FARBER FANNY MRS R	R. L. Polk & Co.
	FALICKMAN DAVID PLMBR R	R. L. Polk & Co.
	BROWN KATH MRS R	R. L. Polk & Co.
	EISENBERG FRANK GARMENT WKR R	R. L. Polk & Co.

2958 W 30TH

Year	Uses	Source
1934	SCHNEIDER WM STUDENT R	R. L. Polk & Co.
	SCHNEIDER BAKER H	R. L. Polk & Co.
	HAMMER PAULIN MRS H	R. L. Polk & Co.
	SCHNEIDER HENRY ELECTN R	R. L. Polk & Co.

2968 W 30TH

Year	Uses	Source
1934	BOSIOS EMILLE A H	R. L. Polk & Co.

FINDINGS

2972 W 30TH

Year	Uses	Source
1934	SCHACKER SAML SLSMN R	R. L. Polk & Co.
	SCHACKER HELEN STEN R	R. L. Polk & Co.
	SCHACKER DAVID SLSMN R	R. L. Polk & Co.
	ROTHMAN ESTHER R	R. L. Polk & Co.
	ROTHENBERG MORRIS EXPMN H	R. L. Polk & Co.
	ROTHENBERG GERTRUDE DESIGNER R	R. L. Polk & Co.
	CASPER MARK CHAUF R	R. L. Polk & Co.

2973 W 30TH

Year	Uses	Source
1934	SHEAR MAX CLK R	R. L. Polk & Co.
	GEO CLK R	R. L. Polk & Co.
	ETTA SLSWN R	R. L. Polk & Co.
	BENJ FURN RMSE H	R. L. Polk & Co.

2980 W 30TH

Year	Uses	Source
1934	WASSERMAN DAVID SLSMN R	R. L. Polk & Co.
	WASSERMAN SAML PNTR H	R. L. Polk & Co.
	WASSERMAN MON CLK R	R. L. Polk & Co.

2981 W 30TH

Year	Uses	Source
1934	POLIMER MEYER SLSMN R	R. L. Polk & Co.
	POLIMER CHAS GRO H	R. L. Polk & Co.

2982 W 30TH

Year	Uses	Source
1934	SOLOMONS SAML ELECTROLYTIC TREATMENT H DO	R. L. Polk & Co.
	PFEFFER MAX CHAUF R	R. L. Polk & Co.
	PFEFFER JACOB BAKER H	R. L. Polk & Co.
	PFEFFER IRVING CHAUF R	R. L. Polk & Co.
	PFEFFER FRANK ACTOR R	R. L. Polk & Co.

FINDINGS

2983 W 30TH

Year	*Uses*	*Source*
1934	MEISNER HARRY SHIP CLK H	R. L. Polk & Co.
	MRS R	R. L. Polk & Co.
	EISENBERG RACHAEL FCTY WKR R	R. L. Polk & Co.
	EISENBERG ABR SLSMN R	R. L. Polk & Co.
	MEISNER ROSE MRS FURN MUS H DO	R. L. Polk & Co.
	POSNER SAML SHIP CLK R	R. L. Polk & Co.
	WEISNER HARRY CLO PRSR H	R. L. Polk & Co.
	EISENBERG REBECCA R	R. L. Polk & Co.

2989 W 30TH

Year	*Uses*	*Source*
1934	SMITH ISADORE H	R. L. Polk & Co.

W 30TH CONEY ISLAND

2960 W 30TH CONEY ISLAND

Year	*Uses*	*Source*
1934	BOHM EVA OPR R	R. L. Polk & Co.

W 30TH St

2902 W 30TH St

Year	*Uses*	*Source*
1970	Rodriguez Modesta	New York Telephone
	Fox Sadie	New York Telephone

W 30TH ST

2902 W 30TH ST

Year	*Uses*	*Source*
1949	Shaffiroff Benj G P MD	New York Telephone Company

FINDINGS

W 30TH St

2904 W 30TH St

Year	Uses	Source
1965	Nadler Ida Mrs	New York Telephone

2906 W 30TH St

Year	Uses	Source
1965	Block Anna	New York Telephone

W 30TH ST

2906 W 30TH ST

Year	Uses	Source
1949	Rosenfeld Sylvia Mrs	New York Telephone Company

W 30TH St

2910 W 30TH St

Year	Uses	Source
1965	Newberger Anna Mrs	New York Telephone

W 30TH ST

2910 W 30TH ST

Year	Uses	Source
1949	Jacobson Harry L	New York Telephone Company
	Fallick Norman	New York Telephone Company

W 30TH St

2914 W 30TH St

Year	Uses	Source
1970	Cajigas J	New York Telephone

FINDINGS

W 30TH ST

2914 W 30TH ST

Year	Uses	Source
1949	Frankel Belle	New York Telephone Company
	Perlow Maurice	New York Telephone Company

W 30TH St

2915 W 30TH St

Year	Uses	Source
1970	Tuber Max	New York Telephone
	Rodriguez Steven	New York Telephone
1965	Goldburg Jas T	New York Telephone
	Rodriguez Steven	New York Telephone
	Tuber Max	New York Telephone

W 30TH ST

2915 W 30TH ST

Year	Uses	Source
1949	Hirsch Janet RN	New York Telephone Company

2918 W 30TH ST

Year	Uses	Source
1949	Auerbach Fred	New York Telephone Company

2919 W 30TH ST

Year	Uses	Source
1949	Polcovar Nathan W	New York Telephone Company

2925 W 30TH ST

Year	Uses	Source
1949	Morse Benj	New York Telephone Company

2929 W 30TH ST

Year	Uses	Source
2005	Public School	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Rupiza C	Hill-Donnelly Corporation
	Brooklyn Center	Hill-Donnelly Corporation
2000	YOUTH EMPOWERNENT	Cole Information Services
	NY JR TEN LEA INC	Cole Information Services
	NY CITY EDUCATION	Cole Information Services
	NY CITY EDUCATION	Cole Information Services
1997	Surfside Beacon Program	NYNEX
	New York Junior Tennis League Inc	NYNEX
	Heartshare Human Services Of NY	NYNEX

2930 W 30TH ST

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Corporation
	Number6 C 1 Akoshile Rasald	Hill-Donnelly Corporation
	Number10 C 2 Alawode Shakirat	Hill-Donnelly Corporation
	Number1 F 2 Alexander Adriane	Hill-Donnelly Corporation
	Alexander Otela B	Hill-Donnelly Corporation
	Alexeeva Svetlana O	Hill-Donnelly Corporation
	Amilnova Nelya	Hill-Donnelly Corporation
	Andreyev Andrey	Hill-Donnelly Corporation
	Number10 E 2 Askew Willie	Hill-Donnelly Corporation
	Number8 A 1 Braginslaya Lyubov	Hill-Donnelly Corporation
	Number8 E 3 Bonax Ronald v	Hill-Donnelly Corporation
	Number2 B 2 Brown Jacqueline	Hill-Donnelly Corporation
	Calender Veda	Hill-Donnelly Corporation
	Number16 E 5 Castro Melissa	Hill-Donnelly Corporation
	Castro Melissa	Hill-Donnelly Corporation
	Number6 C 2 Chester Joy	Hill-Donnelly Corporation
	Cosme L	Hill-Donnelly Corporation
	Cox Justin	Hill-Donnelly Corporation
	Cullum Willam	Hill-Donnelly Corporation
	Dal Cortivo	Hill-Donnelly Corporation
	Number1 H Dal Cortivo Ricky AV	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Number10 C 3 Daniels P	Hill-Donnelly Corporation
	Number12 E 5 Davis Naiyma	Hill-Donnelly Corporation
	Number484 Depena R 4v	Hill-Donnelly Corporation
	Number12 B 1 Diaz Hector	Hill-Donnelly Corporation
	Dickson Dallas Dinkins Vanessa v	Hill-Donnelly Corporation
	Number885 Dudani VUay	Hill-Donnelly Corporation
	Number12 C 1 Eliosof Nelli	Hill-Donnelly Corporation
	Everette Alexander	Hill-Donnelly Corporation
	Number12 E 1 Flshman Betida	Hill-Donnelly Corporation
	Number4D 2 Fnorrester B	Hill-Donnelly Corporation
	Froimson Mila	Hill-Donnelly Corporation
	Gabriel Josephine	Hill-Donnelly Corporation
	Galper Sofya	Hill-Donnelly Corporation
	Gashimova Valentina	Hill-Donnelly Corporation
	Number4 C 3 Gonzalez Herman	Hill-Donnelly Corporation
	Number10 B 1 Goodman William	Hill-Donnelly Corporation
	Goubareva Uoudmila	Hill-Donnelly Corporation
	Number12 E 3 Grant Valentina 0 00oo	Hill-Donnelly Corporation
	Number6 A 3 Green Joseph	Hill-Donnelly Corporation
	Grenadier Realty Corp I F	Hill-Donnelly Corporation
	Gridina Udlya	Hill-Donnelly Corporation
	Guzband Polina	Hill-Donnelly Corporation
	Number4 F 5 Hall Minnie Rv	Hill-Donnelly Corporation
	Number14 E 3 Hunter Carl v	Hill-Donnelly Corporation
	Itskovitch Gennadi	Hill-Donnelly Corporation
	Ivnitskiy Boris os	Hill-Donnelly Corporation
	J&C Exterminators s	Hill-Donnelly Corporation
	Number10 C 4 Jackson Andrew	Hill-Donnelly Corporation
	Jackson Edw ard	Hill-Donnelly Corporation
	Number4 E 2 Jenkins Paris Jr	Hill-Donnelly Corporation
	Johnson H	Hill-Donnelly Corporation
	Number483 Johnson Quasheirra A	Hill-Donnelly Corporation

FINDINGS

Year	*Uses*	*Source*
2005	Number8 F 3 Johnson Shiavon	Hill-Donnelly Corporation
	Kats Akulina	Hill-Donnelly Corporation
	Number485 Keh Joe	Hill-Donnelly Corporation
	Number8 A 3 Klpatick C A	Hill-Donnelly Corporation
	King Ansley	Hill-Donnelly Corporation
	Number10 C 3 King Erika v	Hill-Donnelly Corporation
	Klimovitskiy Yuriy	Hill-Donnelly Corporation
	Kordit Sofias	Hill-Donnelly Corporation
	Number4D 5 Kudrevich Leonid	Hill-Donnelly Corporation
	Leroi Tavi	Hill-Donnelly Corporation
	Number8D 1 Lew is K vv	Hill-Donnelly Corporation
	Number8 C 2 Logan Eartha	Hill-Donnelly Corporation
	Luzcanrdo V	Hill-Donnelly Corporation
	Malitek Juliusz	Hill-Donnelly Corporation
	Mantillas Florence	Hill-Donnelly Corporation
	Number01D 4 Martinez C A	Hill-Donnelly Corporation
	Mcdonald Natalia	Hill-Donnelly Corporation
	Number10 A 2 Mdclennan Lynelle	Hill-Donnelly Corporation
	Menter Shirley	Hill-Donnelly Corporation
	Number6 F 4 Murphy Yvette	Hill-Donnelly Corporation
	Number12 F 5 Navedo Carmen	Hill-Donnelly Corporation
	Novo Udliya	Hill-Donnelly Corporation
	Number8 C 5 Patrikeyeva Lyubov	Hill-Donnelly Corporation
	Number12 F 3 Platt Chandra Yvette	Hill-Donnelly Corporation
	Number1 E 1 Qaabldh Saida	Hill-Donnelly Corporation
	Number16 F 4 Ramos Samantha v	Hill-Donnelly Corporation
	Reese Caroline	Hill-Donnelly Corporation
	Reynolds Uily	Hill-Donnelly Corporation
	Number8 A 5 Rodriguez Tonia	Hill-Donnelly Corporation
	Roslavker Svetlana	Hill-Donnelly Corporation
	Ruderman Adel	Hill-Donnelly Corporation
	Sanatolina Ralssa	Hill-Donnelly Corporation

FINDINGS

Year	*Uses*	*Source*
2005	Number883 Santiago S	Hill-Donnelly Corporation
	Savin Sophia	Hill-Donnelly Corporation
	Number14 F 1 Scurry Celia	Hill-Donnelly Corporation
	Sea Park Security Co Phipps	Hill-Donnelly Corporation
	Number 12D 2 Serrano Lashaw nda	Hill-Donnelly Corporation
	Shiafer Anchel	Hill-Donnelly Corporation
	Shumonova Lyubov	Hill-Donnelly Corporation
	Number882 Slavlnskiy Grigoriy	Hill-Donnelly Corporation
	Slobodov Yelizaveta	Hill-Donnelly Corporation
	Number8 A 4 Soto Canos	Hill-Donnelly Corporation
	Number8 E 3 Soyemi Mary	Hill-Donnelly Corporation
	Number181 Springs Daw n	Hill-Donnelly Corporation
	Tokareva Tamara	Hill-Donnelly Corporation
	Troshin Aleksandr	Hill-Donnelly Corporation
	Ulltskaya Udlya	Hill-Donnelly Corporation
	Vaskovera A	Hill-Donnelly Corporation
	Number1 A 1 Vega Maximo	Hill-Donnelly Corporation
	Voyynkina Galina	Hill-Donnelly Corporation
	Washington Sharon	Hill-Donnelly Corporation
	Whitehead Yvette	Hill-Donnelly Corporation
	Whybesn	Hill-Donnelly Corporation
	Number6 A 3 H Williamson NT v	Hill-Donnelly Corporation
	Wilson Dennis	Hill-Donnelly Corporation
	Number6 C 3 Worthy aemmie	Hill-Donnelly Corporation
	Yakunln Victor	Hill-Donnelly Corporation
	Yardtrain Steve	Hill-Donnelly Corporation
	Number8D 4 Zaslavskaya Ydelizaveta s	Hill-Donnelly Corporation
	Zeledon Carmen	Hill-Donnelly Corporation
2000	JANET ACOSTA	Cole Information Services
	8D1 BRUCE ADAMS	Cole Information Services
	1F2 ADRIANE ALEXANDER	Cole Information Services
	LISA M ALEXANDER	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2000	OTELIA B ALEXANDER	Cole Information Services
	EVON AMAYO	Cole Information Services
	LASHARLA ANDERSON	Cole Information Services
	EFRAIN ARROYO	Cole Information Services
	10D2 WILLIE ASKEW	Cole Information Services
	ALADE ATOSHSHENOWO	Cole Information Services
	CARLTAN BLAIZE	Cole Information Services
	DIUREA BOWEN	Cole Information Services
	LAMIEKA BNSCOE	Cole Information Services
	JACQUELINE BROWN	Cole Information Services
	VIDA CALLENDER	Cole Information Services
	SHARON CAPEL	Cole Information Services
	L CHEMYEVSLAY	Cole Information Services
	10 JOY CHESTER	Cole Information Services
	12B5 A COOPER	Cole Information Services
	ELLEN COOPER	Cole Information Services
	CORTIVO D DAL	Cole Information Services
	RICKY DAL	Cole Information Services
	OPELLIA DAWSON	Cole Information Services
	HECTOR DIAZ	Cole Information Services
	DALLAS DICKSON	Cole Information Services
	GREGORY EDWARDS	Cole Information Services
	8F4 WINSOME ELLIS	Cole Information Services
	4D2 B FORRESTER	Cole Information Services
	10D1 J FRANKLIN	Cole Information Services
	SOFYA GALPER	Cole Information Services
	ANITA GORMEZ	Cole Information Services
	ROBIN GRADDICK	Cole Information Services
	J GRAHAM	Cole Information Services
	JOSEPH GREEN	Cole Information Services
	LIDIYA GRIDINA	Cole Information Services
	SCOTT HOLT	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2000	A HUDSON	Cole Information Services
	DEREK IRVING	Cole Information Services
	EDWARD JACKSON	Cole Information Services
	LENA JACKSON	Cole Information Services
	4E2 P JENKINS	Cole Information Services
	4E2 PARIS JENKSONS JR	Cole Information Services
	B JOHNSON	Cole Information Services
	SHAVON JOHNSON	Cole Information Services
	CECELIA KEH	Cole Information Services
	JOE KEH	Cole Information Services
	C KEMP	Cole Information Services
	RICHARD KENNEDY	Cole Information Services
	LANCE KILPATRICK	Cole Information Services
	10C3 ERIKA KING	Cole Information Services
	LEONID KUDREVICH	Cole Information Services
	WAHEED LAWAL	Cole Information Services
	MAY LOCKLEAR	Cole Information Services
	EARTHA LOGAN	Cole Information Services
	T MALDONADO	Cole Information Services
	C MARTINEZ	Cole Information Services
	M MASSENBURG	Cole Information Services
	10A2 LYNELLE MC LENNAN	Cole Information Services
	E MC NEIL	Cole Information Services
	E MEDINA	Cole Information Services
	12F5 CARMEN NAVEDO	Cole Information Services
	CASSANDRA NOMS	Cole Information Services
	COLIN NURSE	Cole Information Services
	ALFRED ONAGHISE	Cole Information Services
	YETUNDE OSENI	Cole Information Services
	ANTHONY PARKER	Cole Information Services
	TORRENCE PARKER	Cole Information Services
	ADUNNI PAUL	Cole Information Services

FINDINGS

Year	Uses	Source
2000	SAIDA QAABIDH	Cole Information Services
	ZAINAB QAABIDH	Cole Information Services
	RASAQ A RASAQ	Cole Information Services
	RASAQ A RASAQ	Cole Information Services
	GEORGE RAYNOR	Cole Information Services
	KIM REED	Cole Information Services
	12D CAROLINE REESE	Cole Information Services
	12F2 P RICE	Cole Information Services
	SHOLA ROEBUCK	Cole Information Services
	2A2 WANDA ROSARIC	Cole Information Services
	14F4 MANA SANTANA	Cole Information Services
	3 S SANTIAGO	Cole Information Services
	CELIA SCURRY	Cole Information Services
	GLEN SEADES	Cole Information Services
	DUDANI SHANT	Cole Information Services
	ANCHEL SHLAFER	Cole Information Services
	MIKHAIL SHTERIN	Cole Information Services
	A SMITH	Cole Information Services
	DELVIN SMITH	Cole Information Services
	8A4 CARLOS SOTO	Cole Information Services
	DAWN SPRINGS	Cole Information Services
	JR J STANLEY	Cole Information Services
	10B3 MAXIMO VEGA	Cole Information Services
	6ES BARBARA WHITE	Cole Information Services
	SHAQUANA WILLIAMS	Cole Information Services
	BETTY WILSON	Cole Information Services
	CARMEN M ZELEDON	Cole Information Services
	J & C EXTERMINATORS	Cole Information Services
	P R C	Cole Information Services
1997	J & C Exterminators	NYNEX
	P R C	NYNEX
	ALABRE Marie	NYNEX

FINDINGS

Year	*Uses*	*Source*
1997	ASKEW Willie	NYNEX
	ATOSHSHENOWO Alade	NYNEX
	BOWEN Diurca	NYNEX
	CAPEL Sharon	NYNEX
	CHESTER Joy	NYNEX
	COOPER A	NYNEX
	COOPER Ellen	NYNEX
	DAVIS C	NYNEX
	DELEON Tina	NYNEX
	DICKSON Dallas	NYNEX
	ELLIS Winsome	NYNEX
	FERGERSON Lynisha	NYNEX
	FORRESTER B	NYNEX
	FRANKLIN J	NYNEX
	FRAZIER Maurice	NYNEX
	GRADDICK Francis	NYNEX
	GRAHAM J	NYNEX
	GREEN Phebean	NYNEX
	GREENE Jacqueline	NYNEX
	GREGORY Karon	NYNEX
	GUITY Evaristo	NYNEX
	HARPER D	NYNEX
	HUDSON A	NYNEX
	HUNTER Katherine	NYNEX
	JENKINS P	NYNEX
	JENKINS Paris Jr	NYNEX
	JOHNSON D	NYNEX
	JOHNSON Shaven	NYNEX
	KEH Joe	NYNEX
	KEH Martha	NYNEX
	KILPATRICK I	NYNEX
	KING Erika	NYNEX

FINDINGS

Year	*Uses*	*Source*
1997	LEWIS Ernestine	NYNEX
	LOGAN Lee	NYNEX
	MALDONADO T	NYNEX
	MARQUEZ Margarita	NYNEX
	MCLENNAN Lynelle	NYNEX
	MENDEZ Rose	NYNEX
	NAVEDO Carmen	NYNEX
	NESTOR Natacha	NYNEX
	OGUNNEYE Lookman	NYNEX
	PARKER Torrence	NYNEX
	PEREZ Maria S	NYNEX
	QAABIDH Layia	NYNEX
	RAYNOR George	NYNEX
	REESE Caroline	NYNEX
	RICE P	NYNEX
	RIVERA E	NYNEX
	ROEBUCK Shola	NYNEX
	SANTIAGO S	NYNEX
	SARAYEVA Toyln	NYNEX
	SEARLES Glen	NYNEX
	SHANTI Dudani	NYNEX
	SMITH C	NYNEX
	SMITH Olivia	NYNEX
	STOVALL Otin	NYNEX
	VALENTIN Elizabeth	NYNEX
	VEGA Maximo	NYNEX
	WHITE Barbara	NYNEX
	WOODSIDE P	NYNEX
	WORTHY Clemmie	NYNEX

FINDINGS

W 30TH St

2930 W 30TH St

Year	Uses	Source
1970	Megias Y	New York Telephone

2931 W 30TH St

Year	Uses	Source
1970	Jones Robert	New York Telephone
1965	Gordon Saml	New York Telephone
	Wunderlich Fanny Mrs	New York Telephone

W 30TH ST

2931 W 30TH ST

Year	Uses	Source
1949	Schwartz Louis	New York Telephone Company

2933 W 30TH ST

Year	Uses	Source
1949	Rosenberg Dorothy Mrs	New York Telephone Company
	Kassen Edw H	New York Telephone Company

W 30TH St

2934 W 30TH St

Year	Uses	Source
1965	Rosenberg P	New York Telephone

2935 W 30TH St

Year	Uses	Source
1965	Brainard Geo	New York Telephone

W 30TH ST

2935 W 30TH ST

Year	Uses	Source
1949	Springer Molly	New York Telephone Company

FINDINGS

2937 W 30TH ST

Year	Uses	Source
1949	Nagel Jos	New York Telephone Company
	Nagel Harry	New York Telephone Company
	Blumstein Philip	New York Telephone Company

2939 W 30TH ST

Year	Uses	Source
1949	Brezenoff Arthur H	New York Telephone Company
	Simon Nat	New York Telephone Company

2941 W 30TH ST

Year	Uses	Source
1949	Ross Jos	New York Telephone Company

W 30TH St

2942 W 30TH St

Year	Uses	Source
1970	Montgomery R	New York Telephone
	Alford Tolee	New York Telephone
	Jenkins Betty Mrs	New York Telephone
	Lites Janell	New York Telephone
	Ackerman B	New York Telephone
	Shaeiw itz Louis	New York Telephone
1965	Rasnikov Annie	New York Telephone
	Shaeiw itz Louis	New York Telephone
	Smith L J	New York Telephone

W 30TH ST

2942 W 30TH ST

Year	Uses	Source
1949	Rothman Meyer	New York Telephone Company
	Cohor Goldie	New York Telephone Company
	Dunayer Wm	New York Telephone Company
	Grayson Geo	New York Telephone Company

FINDINGS

Year	Uses	Source
1949	Hinden Nathan	New York Telephone Company
	Koss Jack L	New York Telephone Company
	Mandel Ida	New York Telephone Company
	Morgenstern Goldie Mrs	New York Telephone Company
	Rasnikov Annie	New York Telephone Company
	Stricoff Rose	New York Telephone Company

2947 W 30TH ST

Year	Uses	Source
1949	Bricker Morris genl store	New York Telephone Company

W 30TH St

2949 W 30TH St

Year	Uses	Source
1970	Garris Eddie	New York Telephone
1965	Swiney Willie J	New York Telephone
	Dozier Ruth	New York Telephone
	Bell Lila	New York Telephone

W 30TH ST

2949 W 30TH ST

Year	Uses	Source
1949	Berkley Nettie Mrs	New York Telephone Company
	Slugh Jos Mrs	New York Telephone Company
	Singer Jack	New York Telephone Company
	Rosenthal Aaron	New York Telephone Company
	Ornstein Morris	New York Telephone Company
	Frumkin Reva F	New York Telephone Company
	Bokser Jos	New York Telephone Company

FINDINGS

W 30TH St

2952 W 30TH St

Year	Uses	Source
1970	Ambro Tony	New York Telephone
1965	Ambro Tony	New York Telephone

W 30TH ST

2952 W 30TH ST

Year	Uses	Source
1949	Albert Florence	New York Telephone Company
	Siegelbaum Robt L	New York Telephone Company
	Gray Eliz	New York Telephone Company

W 30TH St

2953 W 30TH St

Year	Uses	Source
1970	Davis Lottie	New York Telephone
	Marino Vincent	New York Telephone
	White Mattie	New York Telephone
1965	Blair Ernest	New York Telephone
	Cardalda Andres	New York Telephone

W 30TH ST

2953 W 30TH ST

Year	Uses	Source
1949	Salzman Louis	New York Telephone Company
	Ross Ruth	New York Telephone Company
	Refkin Sam	New York Telephone Company
	Nutig Sol	New York Telephone Company
	Dantowitz Israel	New York Telephone Company
	Firman Ralph W	New York Telephone Company

FINDINGS

2954 W 30TH ST

Year	Uses	Source
1973	Gross M	New York Telephone

W 30TH St

2954 W 30TH St

Year	Uses	Source
1970	Gross M	New York Telephone
	NEW YORK ADDICTION SVCES AGENCY Coney Island	New York Telephone
1965	Lymond Kenneth	New York Telephone
	Wallace Hotel	New York Telephone

2958 W 30TH St

Year	Uses	Source
1970	High Hawk Matrcellus Chief	New York Telephone

W 30TH ST

2961 W 30TH ST

Year	Uses	Source
2017	2930 OWNER LLC	Cole Information Services
	HECTOR VARELA	Cole Information Services
	ELVIRA IMANOA	Cole Information Services
	TATIANA KACHINSKAYA	Cole Information Services
	LYUDMILA YUSUPOV	Cole Information Services
	RICARDO GUZMAN	Cole Information Services
	HELEN HE	Cole Information Services
	AFIYA MAYERS	Cole Information Services
	SOLLUZ MIELENDEZ	Cole Information Services
	IRINA ROZENFELD	Cole Information Services
	R RYALS	Cole Information Services
	JAMES SIMPSON	Cole Information Services
	VALENTINA TERENTYEVA	Cole Information Services
	GENNADIY FEST	Cole Information Services

FINDINGS

Year	Uses	Source
2017	TETYANA GOLDIN	Cole Information Services
	PAVEL KHOMYAK	Cole Information Services
	IRINA ALPATOVA	Cole Information Services
	CLAUDIA CARBUCCIA	Cole Information Services
	ELVIRA IGNATOVICH	Cole Information Services
	DAVID LEWIS	Cole Information Services
	GAVRIL MARDUKHAYEV	Cole Information Services
	DERRICK SANDERS	Cole Information Services
	YELENA STROGANOVA	Cole Information Services
	DMITRY HODORKOVSKY	Cole Information Services
	ANITRIUS BLEAU	Cole Information Services
	TONIA DMEZA	Cole Information Services
	VIVIAN SLAUGHTER	Cole Information Services
	JENNIFER DUBLIN	Cole Information Services
	EDWIN MATTEI	Cole Information Services
	LENISE PRINCE	Cole Information Services
	SAMUEL CARABALLO	Cole Information Services
2014	JASMINE SANTIAGO	Cole Information Services
	2930 OWNER LLC	Cole Information Services
	LENISE PRINCE	Cole Information Services
	VIVIAN SLAUGHTER	Cole Information Services
	TONIA DMEZA	Cole Information Services
	DMITRY HODORKOVSKY	Cole Information Services
	ROBERT CARABALLO	Cole Information Services
	ANITRIUS BLEAU	Cole Information Services
	YELENA STROGANOVA	Cole Information Services
	DAVID LEWIS	Cole Information Services
	ELVIRA IGNATOVICH	Cole Information Services
	S MAYERS	Cole Information Services
	JAMES HAZELWOOD	Cole Information Services
	TETYANA GOLDIN	Cole Information Services
	GENNADIY FEST	Cole Information Services

FINDINGS

Year	Uses	Source
2014	CHRISTIAN DAVIS	Cole Information Services
	MOHAMMAD UDDIN	Cole Information Services
	IRINA ALPATOVA	Cole Information Services
	VALENTINA TERENTYEVA	Cole Information Services
	R RYALS	Cole Information Services
	IRINA ROZENFELD	Cole Information Services
	SOLLUZ MELENDEZ	Cole Information Services
	TATIANA KACHINSKAYA	Cole Information Services
	FLORENCE CHANCE	Cole Information Services
	HECTOR VARELA	Cole Information Services

W 30TH St

2969 W 30TH St

Year	Uses	Source
1965	Goodman Harry	New York Telephone

W 30TH ST

2971 W 30TH ST

Year	Uses	Source
1949	Bros Joe	New York Telephone Company

2972 W 30TH ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Corporation

W 30TH St

2972 W 30TH St

Year	Uses	Source
1970	Rothenberg Sophie Mrs	New York Telephone
1965	Rothenberg Sophie Mrs	New York Telephone

FINDINGS

W 30TH ST

2972 W 30TH ST

Year	Uses	Source
1949	Bernard Jos	New York Telephone Company
	Rothenberg Morris	New York Telephone Company
	Rothie Saml	New York Telephone Company

2973 W 30TH ST

Year	Uses	Source
1973	Shear Geo	New York Telephone
	Maresca Armondo	New York Telephone

W 30TH St

2973 W 30TH St

Year	Uses	Source
1970	Roth Chaskel	New York Telephone
	Simon Kay	New York Telephone
	Shear Geo	New York Telephone
	Weinstein Mamie	New York Telephone
	Oistacher N	New York Telephone
	Mlaresca Armondo	New York Telephone
1965	Weinstein Mamie	New York Telephone
	Simon Kay	New York Telephone
	Shear Geo	New York Telephone
	Rosenthal Ida Mrs	New York Telephone
	Maresca Armondo	New York Telephone
	Lazarus Anna Mrs	New York Telephone

W 30TH ST

2973 W 30TH ST

Year	Uses	Source
1949	Friedman Hilda Mrs	New York Telephone Company
	Shear Geo	New York Telephone Company

FINDINGS

W 30TH St

2980 W 30TH St

Year	Uses	Source
1965	Wasserman Sam	New York Telephone

W 30TH ST

2981 W 30TH ST

Year	Uses	Source
1973	Ferrantino J	New York Telephone

W 30TH St

2981 W 30TH St

Year	Uses	Source
1970	Wengrover Jack	New York Telephone
	Wolfe H	New York Telephone
	Ferrantino J	New York Telephone
	Levy S	New York Telephone
1965	Harvey Marion	New York Telephone
	Wengrover Jack	New York Telephone
	Wolfe Al	New York Telephone

2982 W 30TH St

Year	Uses	Source
1970	Solomons Sam	New York Telephone
1965	Fox Max	New York Telephone
	Solomons Sam	New York Telephone

W 30TH ST

2982 W 30TH ST

Year	Uses	Source
1949	Solomons Sam	New York Telephone Company

FINDINGS

2983 W 30TH ST

Year	*Uses*	*Source*
1997	SOTO Carlos	NYNEX

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
2902 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1934
2902 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2902 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2902 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2904 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2904 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2906 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1934
2906 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2906 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2906 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2910 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2910 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2910 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2910 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2912 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2912 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2914 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934
2914 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2914 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2914 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2915 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1934, 1928
2915 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2915 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2915 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2916 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2917 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2918 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
2918 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2918 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2919 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1934
2919 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2919 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2922 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1940, 1934, 1928
2923 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934
2924 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2925 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2925 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2928 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934
2928 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2929 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2929 W 30TH ST	2017, 2014, 2009, 2004, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2930 E 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 E 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2930 W 30 265	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 W 30 946	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 W 30TH ST	2017, 2014, 2009, 2004, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2930 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2931 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2931 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2931 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2931 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2933 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2933 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2933 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2934 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2934 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2935 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2935 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2935 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2935 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2936 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2937 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2937 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2938 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2939 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2939 W 30 946	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2939 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2939 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2940 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2941 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2941 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2941 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2942 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949
2942 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2942 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2942 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2945 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2947 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1940
2947 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2947 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2949 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1934
2949 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2949 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2949 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2951 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2952 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934, 1928
2952 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2952 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2952 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2953 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2953 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2953 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2953 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2954 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1934
2954 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2954 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2954 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2957 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
2958 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2958 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2960 W 30TH CONEY ISLAND	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2961 W 30TH ST	2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2968 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934, 1928
2968 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2969 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2969 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
2971 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2971 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2972 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1934
2972 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2972 W 30TH ST	2017, 2014, 2009, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2972 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2973 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1973, 1970, 1965, 1949, 1940, 1934
2973 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2973 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2973 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2980 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
2980 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2980 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
2981 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
2981 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2981 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2981 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2982 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1940, 1934
2982 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2982 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
2982 W 30TH St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1960, 1949, 1945, 1940, 1934, 1928
2983 W 30	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934

FINDINGS

Address Researched	Address Not Identified in Research Source
2983 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
2983 W 30TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
2989 W 30TH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1945, 1940, 1928

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1983	1950
2006	1994	1982	1930
2005	1993	1981	1906
2004	1992	1980	1905
2003	1991	1979	1895
2002	1989	1977	
2001	1987	1968	
1996	1986	1966	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

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- ☑ Library of Congress
- ☑ University Publications of America
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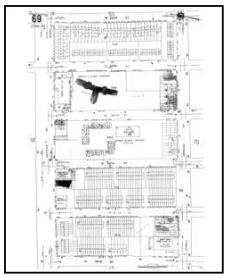
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets



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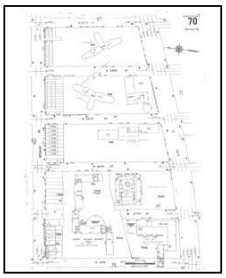
2007



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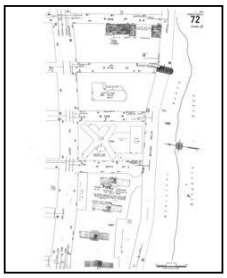
2007



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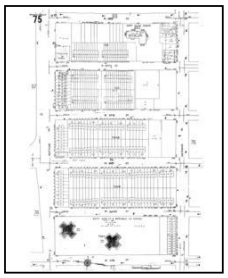

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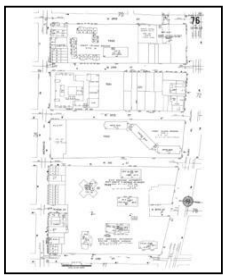

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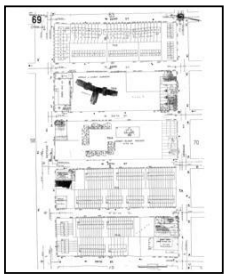
2006 Source Sheets



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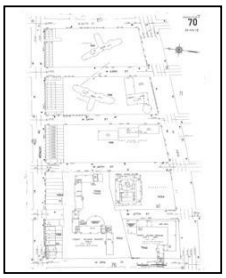
2006



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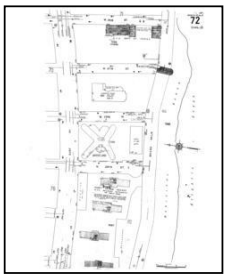

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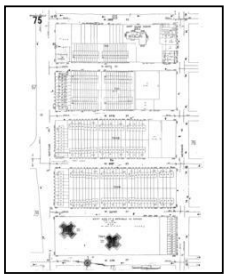

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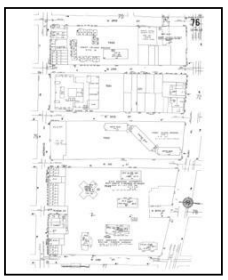

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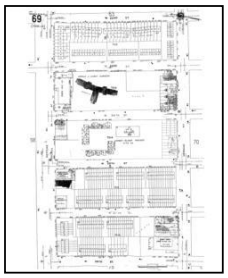
2006

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2005 Source Sheets



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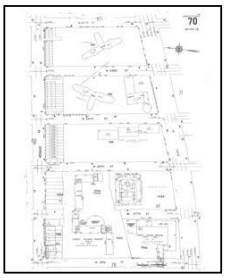
2005



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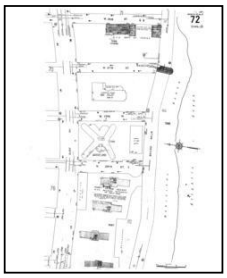

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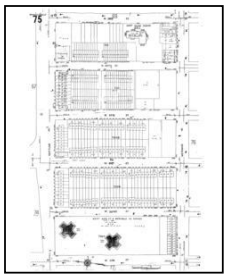

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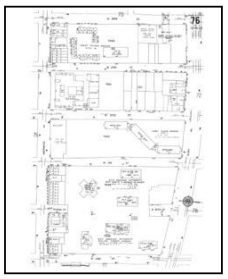

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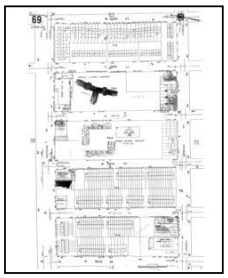
2004 Source Sheets



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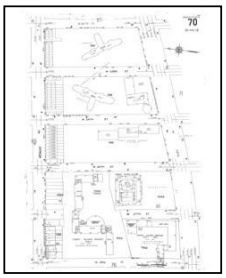
2004



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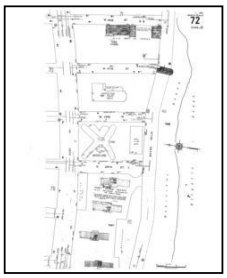

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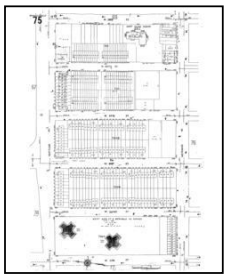

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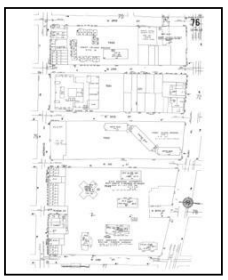

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2004

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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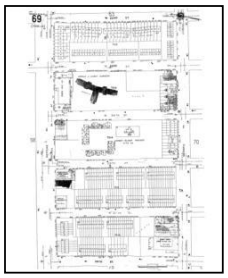

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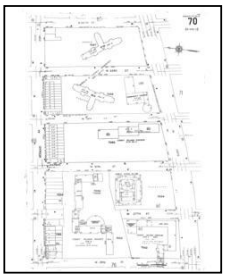
2003



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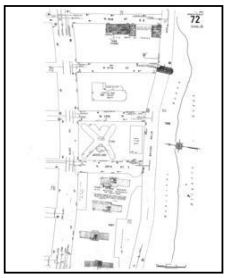

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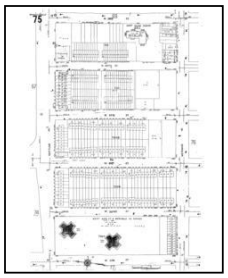

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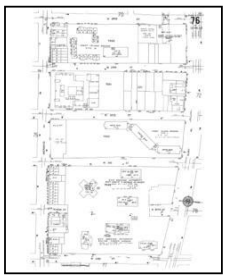

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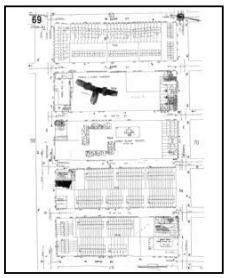

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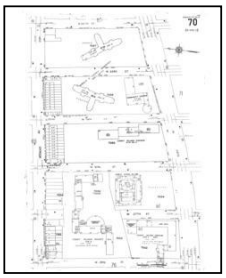

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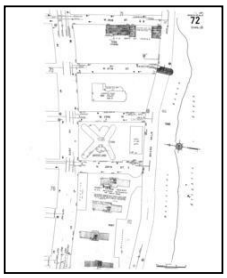

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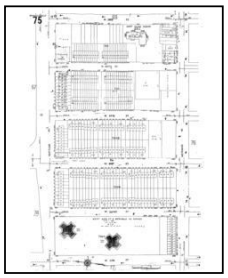

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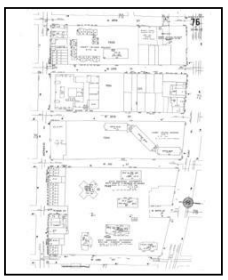

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2002

Sanborn Sheet Key

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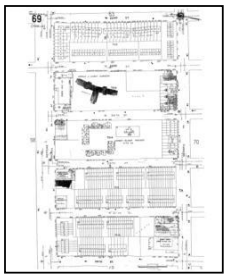
2001 Source Sheets



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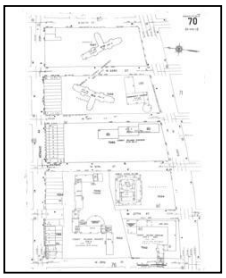

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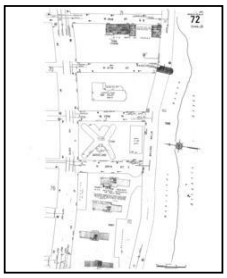

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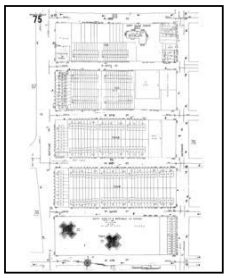

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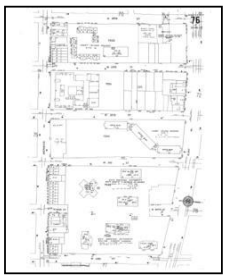

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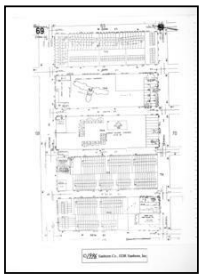

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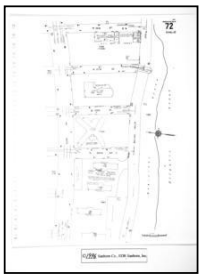

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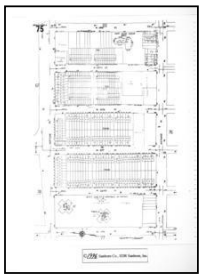

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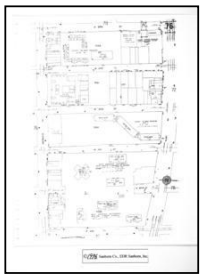

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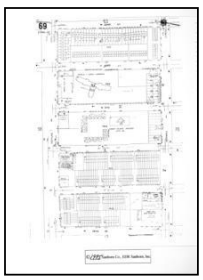

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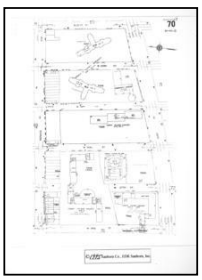

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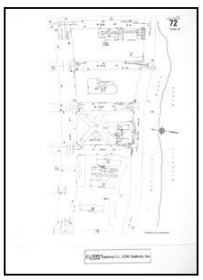

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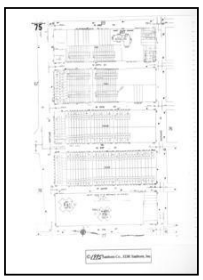

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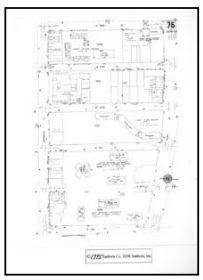

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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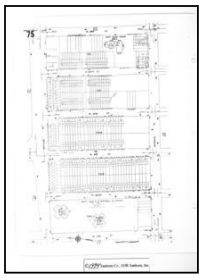
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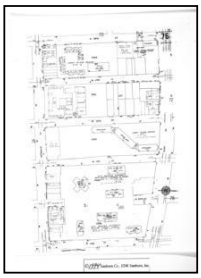
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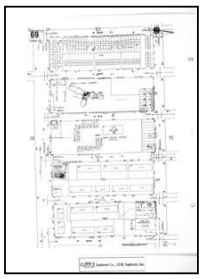
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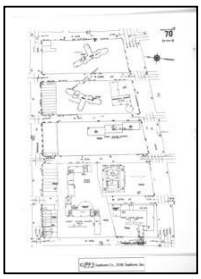
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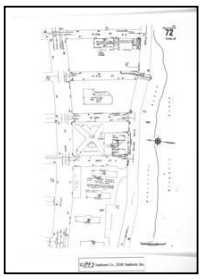
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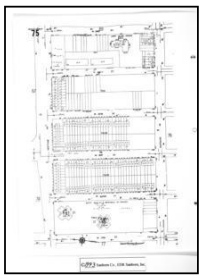
1993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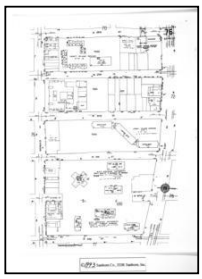
1993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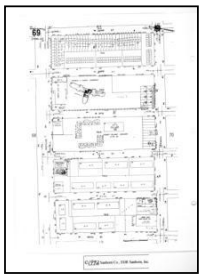
1993

1992 Source Sheets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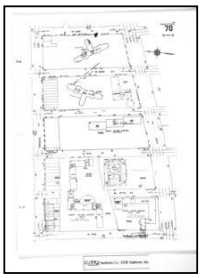
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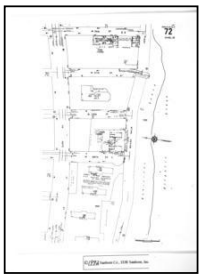
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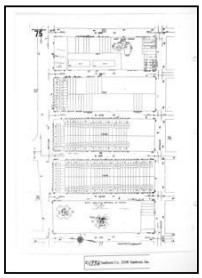
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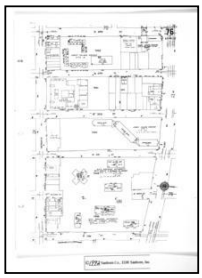
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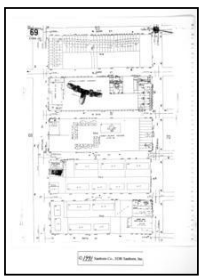
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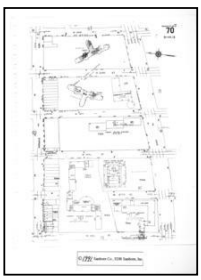
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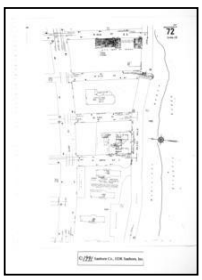
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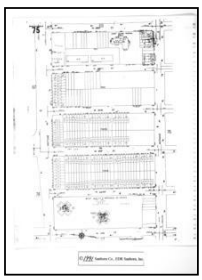
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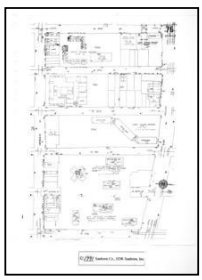
1991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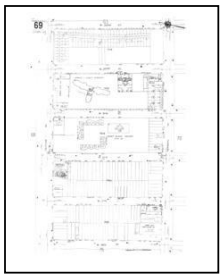
1991

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1989 Source Sheets



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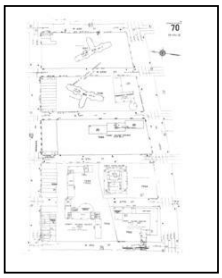
1989



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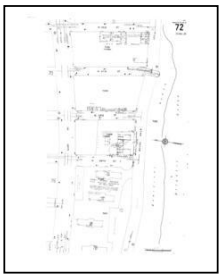

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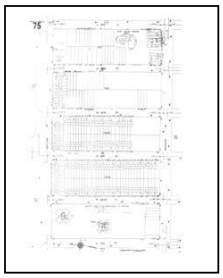

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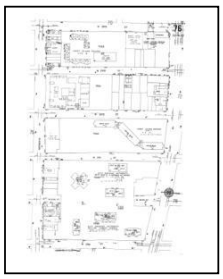
1989



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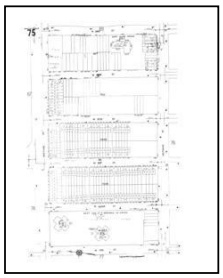
1989

1987 Source Sheets



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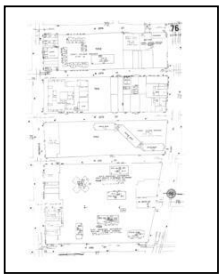
1987



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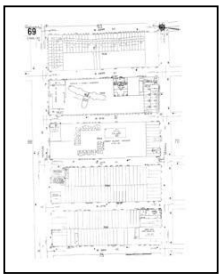

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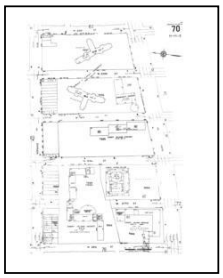

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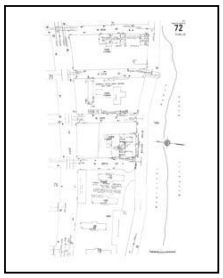

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1987

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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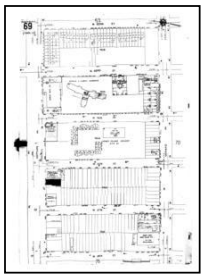
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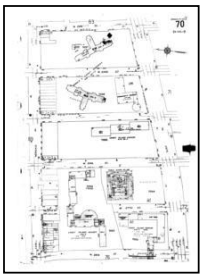
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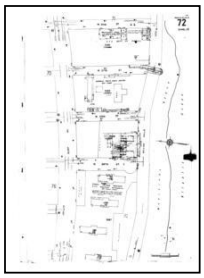
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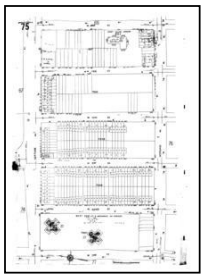
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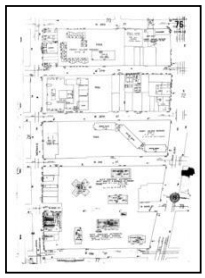
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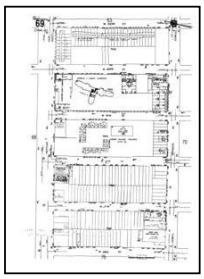
1983 Source Sheets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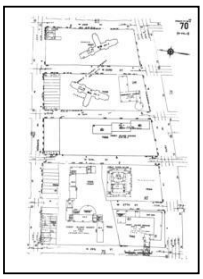
1983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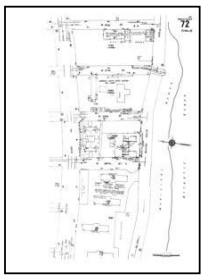
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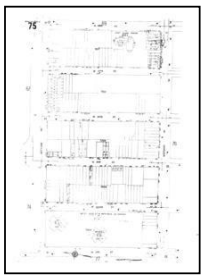
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1983

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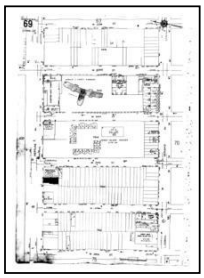
1983

1982 Source Sheets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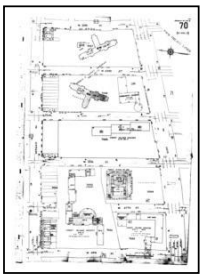
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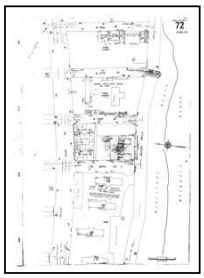
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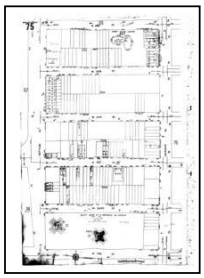
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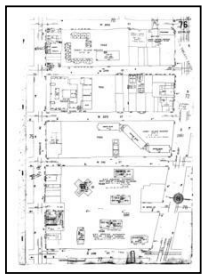
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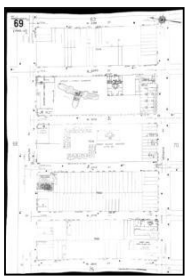
1981 Source Sheets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1981

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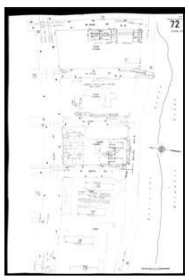
1981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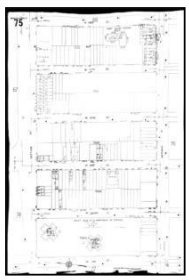
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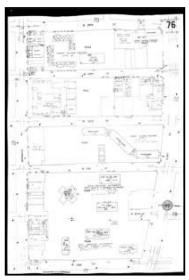
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1981

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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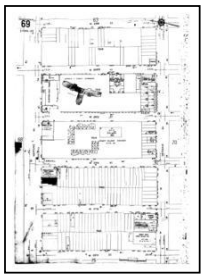
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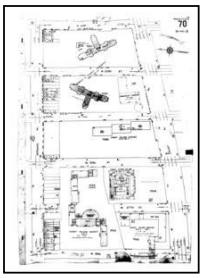
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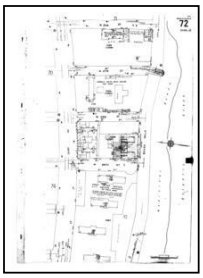
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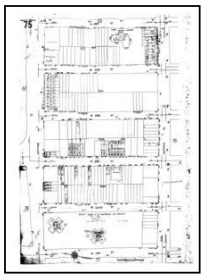
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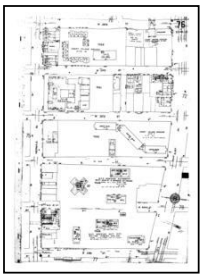
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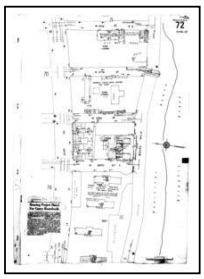
1980

1979 Source Sheets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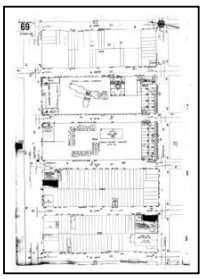
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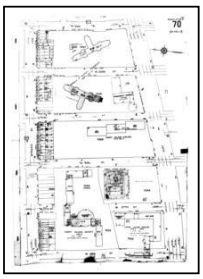
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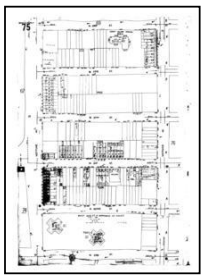
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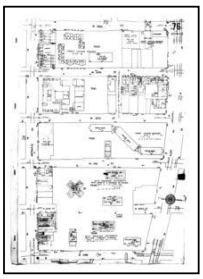
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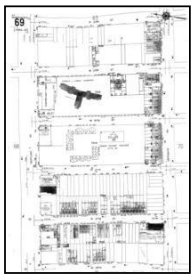
1977 Source Sheets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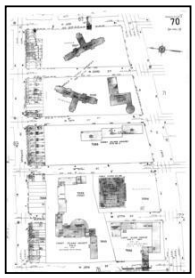
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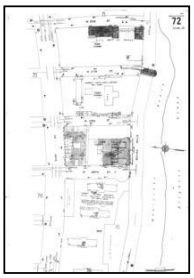
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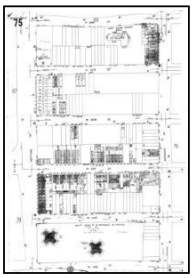
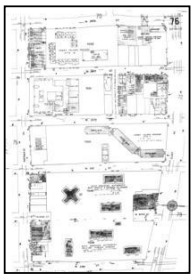
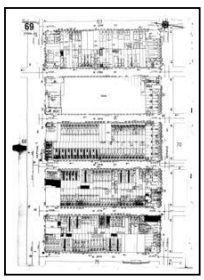
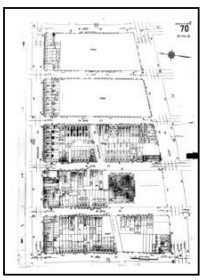
1977

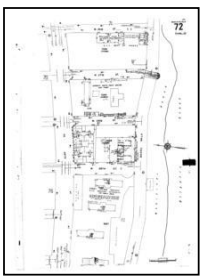

Volume 18, Sheet 75
1977


Volume 18, Sheet 76
1977

1968 Source Sheets


Volume 18, Sheet 69
1968


Volume 18, Sheet 70
1968


Volume 18, Sheet 72
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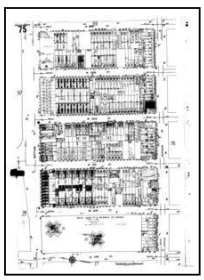
Volume 18, Sheet 75
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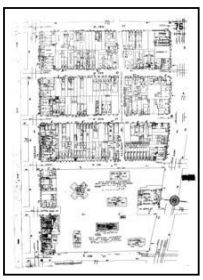
Volume 18, Sheet 76
1968

Sanborn Sheet Key

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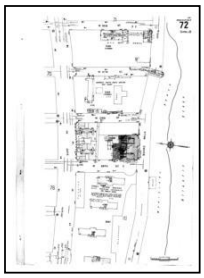
1966 Source Sheets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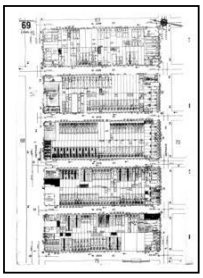
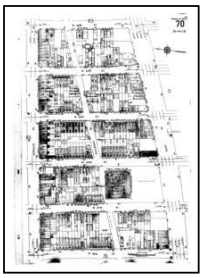
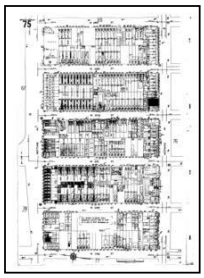
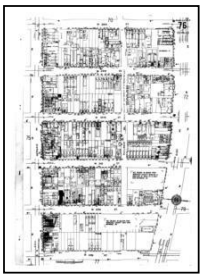
1966

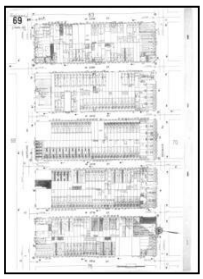

Volume 18, Sheet 69
1966


Volume 18, Sheet 70
1966

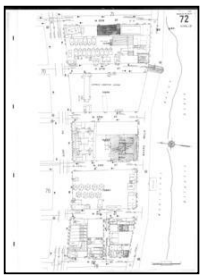

Volume 18, Sheet 75
1966


Volume 18, Sheet 76
1966

1950 Source Sheets


Volume 18, Sheet 69
1950

Volume 18, Sheet 70
1950


Volume 18, Sheet 72
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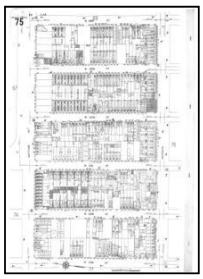
Volume 18, Sheet 75
1950

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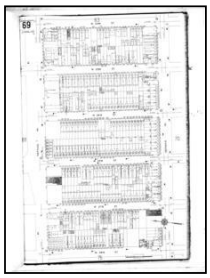
1950

1930 Source Sheets


Volume 18, Sheet 69
1930

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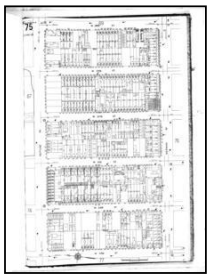
1930


Volume 18, Sheet 75
1930

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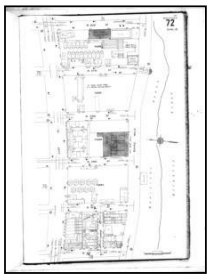
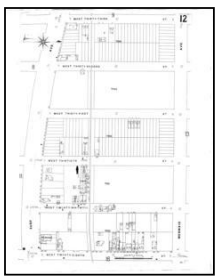
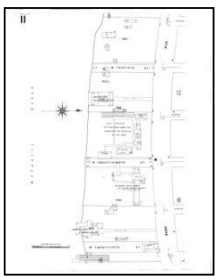
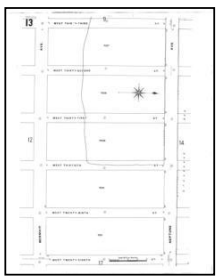
1930

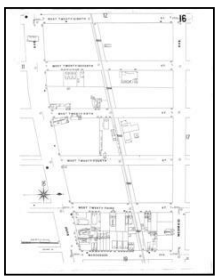

Volume 18, Sheet 72
1930

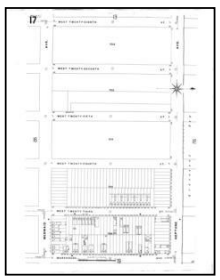
1906 Source Sheets


Volume 13, Sheet 12
1906


Volume 13, Sheet 11
1906


Volume 13, Sheet 13
1906


Volume 13, Sheet 16
1906


Volume 13, Sheet 17
1906

Sanborn Sheet Key

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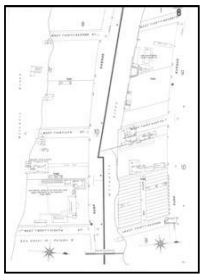

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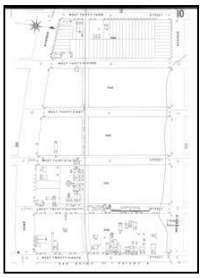
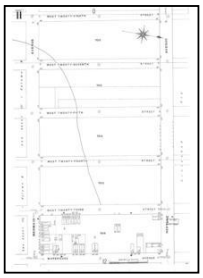
1905



Volume B, Sheet 10
1905



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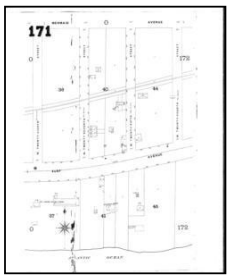
1905

1895 Source Sheets



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1895

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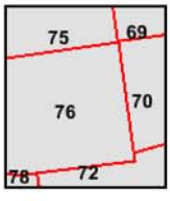

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Volume 18, Sheet 72
Volume 18, Sheet 70
Volume 18, Sheet 69

0 Feet 150 300 600

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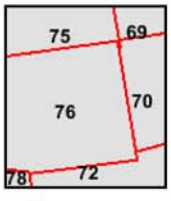

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Volume 18, Sheet 69

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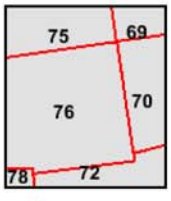

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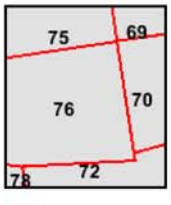

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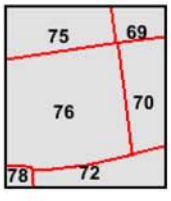

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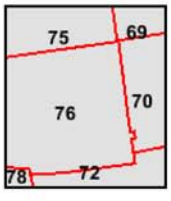

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Certification #	732D-4915-AD3D
Copyright	2001

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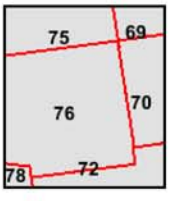

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N

Certified Sanborn® Map

1996

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Certification #	732D-4915-AD3D
Copyright	1996

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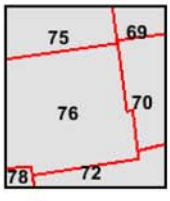

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0 Feet 150 300 600

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City, ST, ZIP:	Brooklyn, NY 11224
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Certification #	732D-4915-AD3D
Copyright	1995

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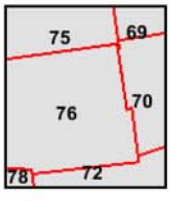

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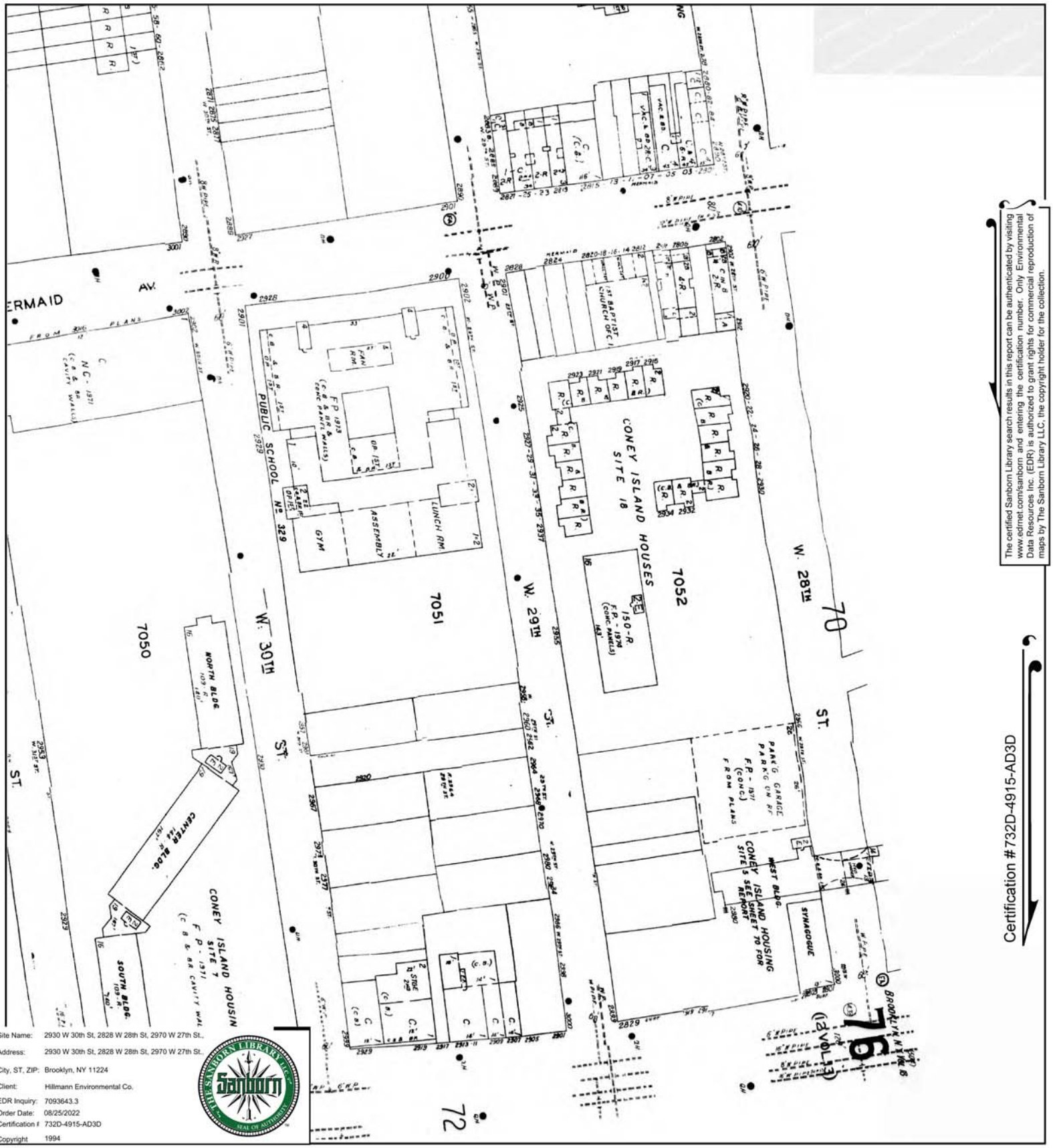

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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
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Copyright	1994

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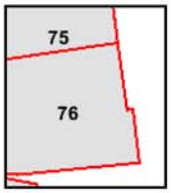

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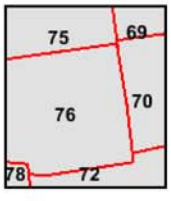

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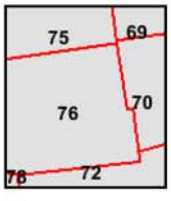

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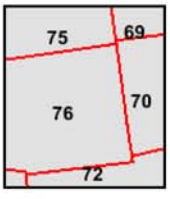

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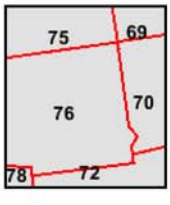

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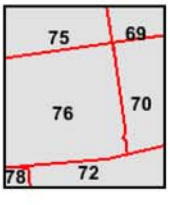

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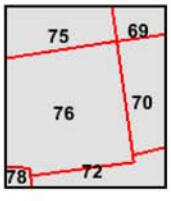

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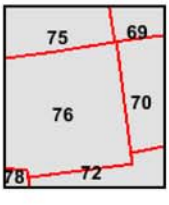

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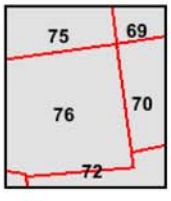

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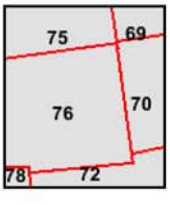

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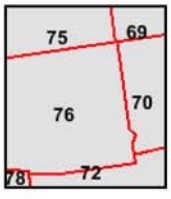

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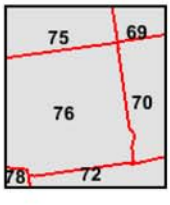

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1977

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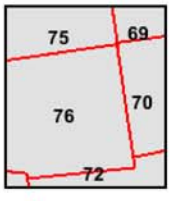

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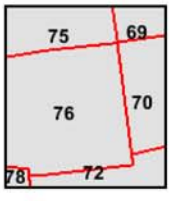

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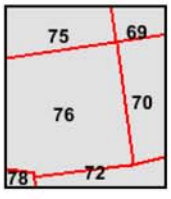

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Copyright	1950

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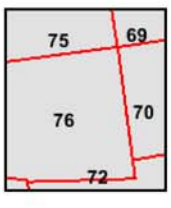

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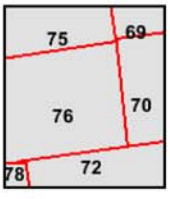

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Copyright: 1905

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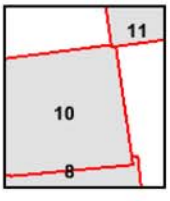

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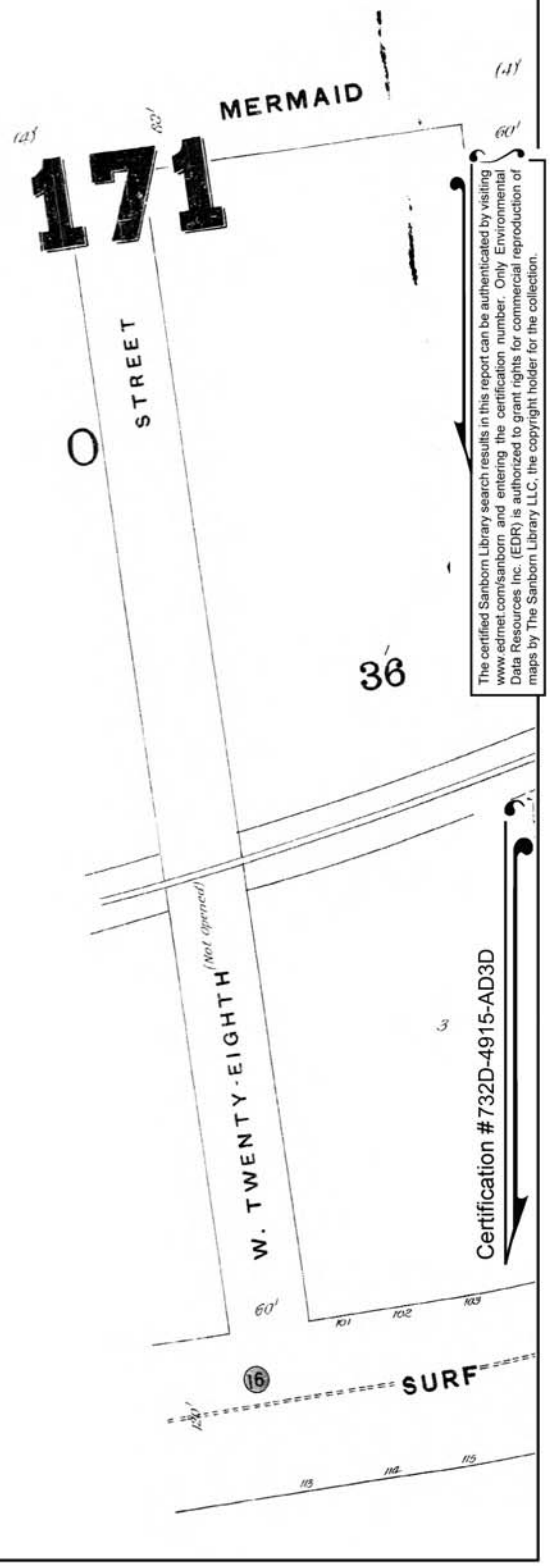

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Certification #: 732D-4915-AD3D
Copyright: 1895

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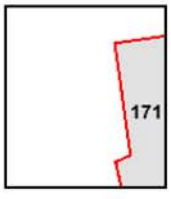

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Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

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Shelton, CT 06484
Toll Free: 800.352.0050
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Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1983	1950
2006	1994	1982	1930
2005	1993	1981	1906
2004	1992	1980	1905
2003	1991	1979	
2002	1989	1977	
2001	1987	1968	
1996	1986	1966	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets

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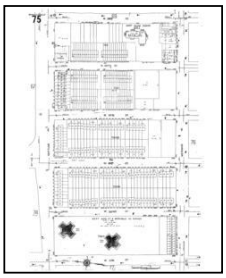
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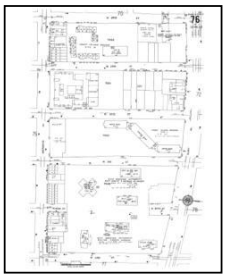
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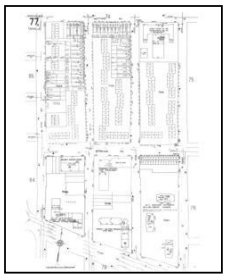
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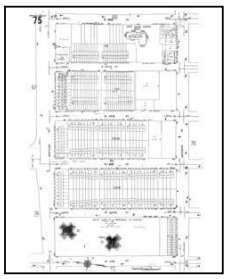
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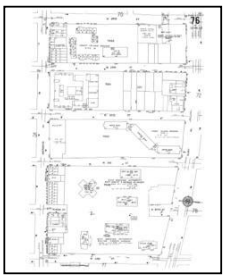
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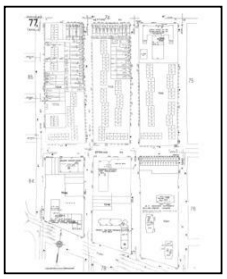
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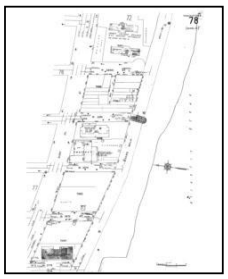
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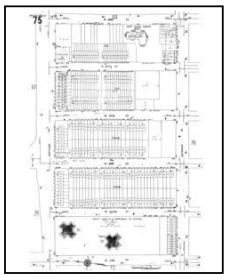
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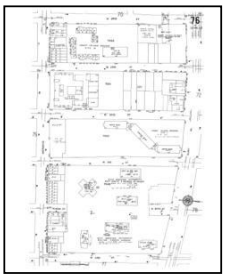
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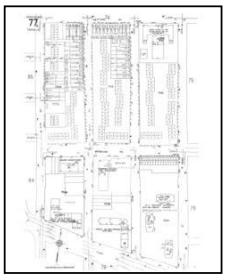
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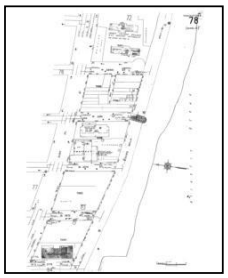
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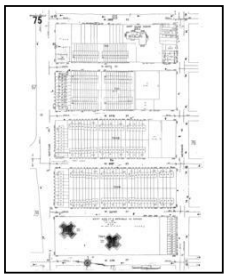
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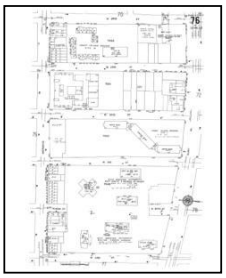
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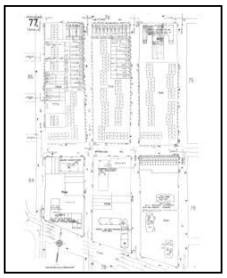
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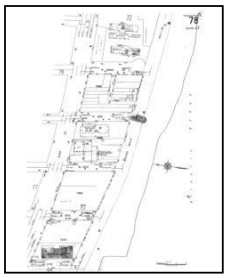
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Sanborn Sheet Key

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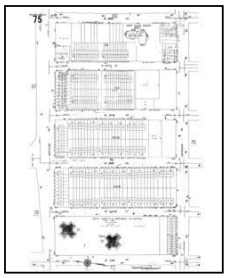
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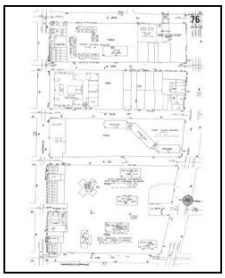
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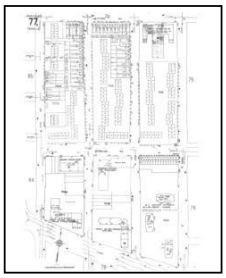
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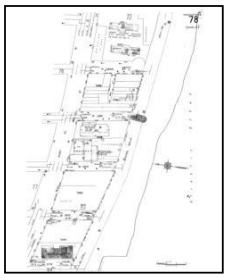
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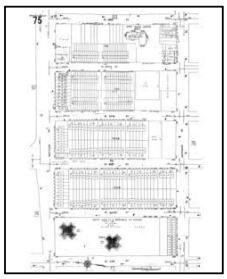
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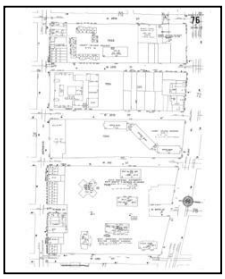
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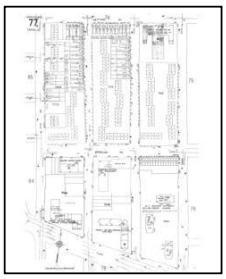
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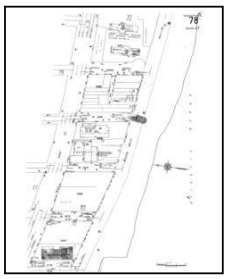
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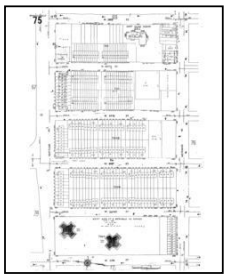
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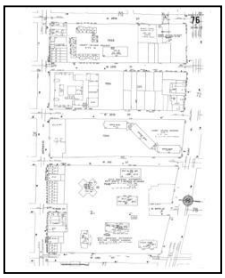
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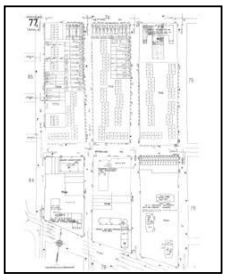
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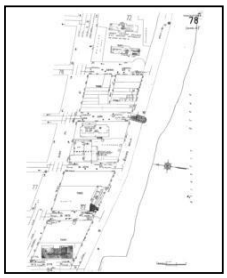
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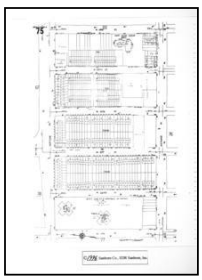
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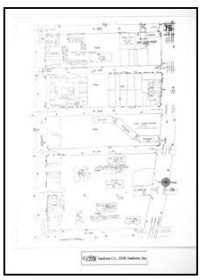
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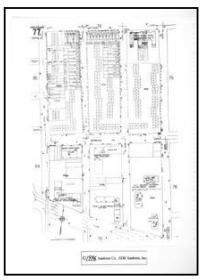
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Sanborn Sheet Key

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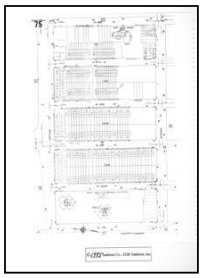
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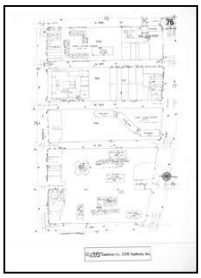
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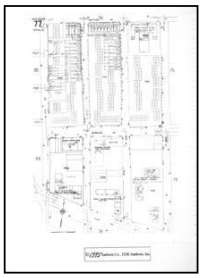
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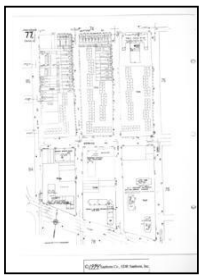
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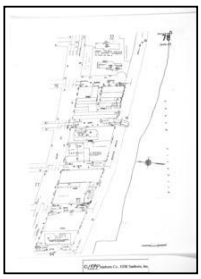
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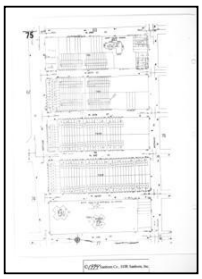
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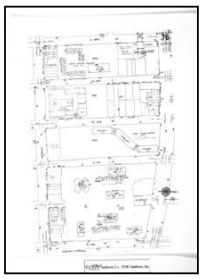
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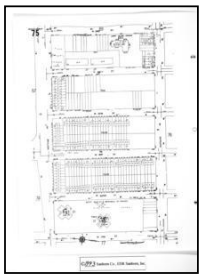
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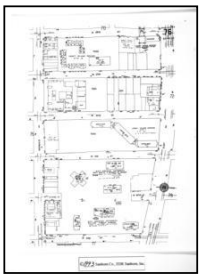
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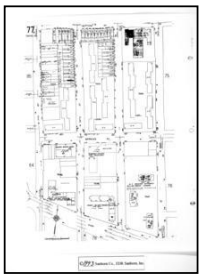
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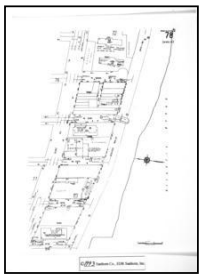
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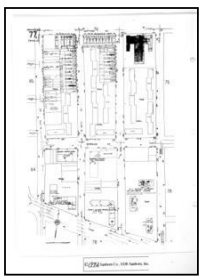
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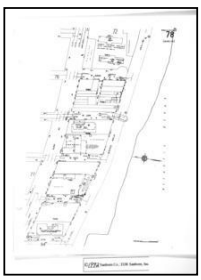
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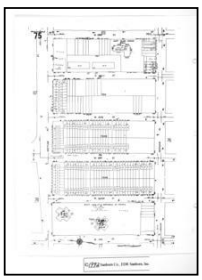
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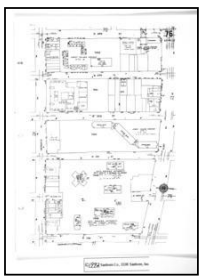
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Sanborn Sheet Key

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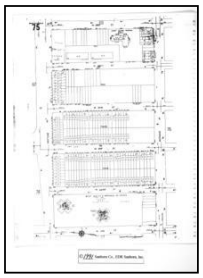
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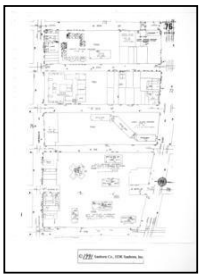
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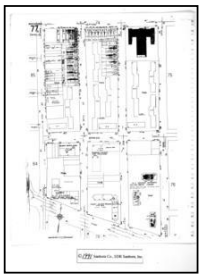
1991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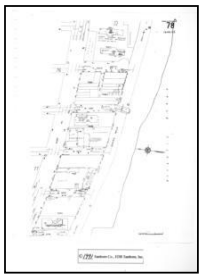
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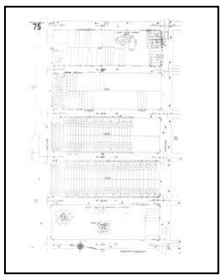
1991

1989 Source Sheets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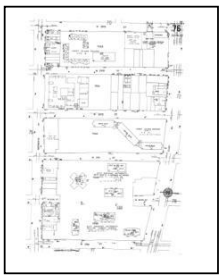
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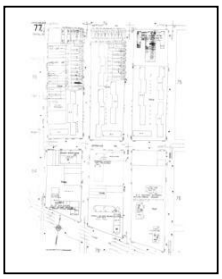
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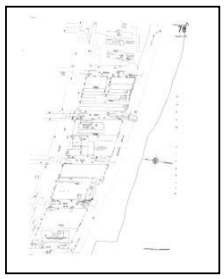
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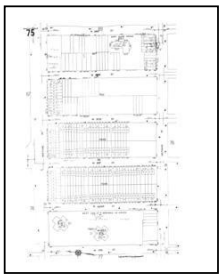
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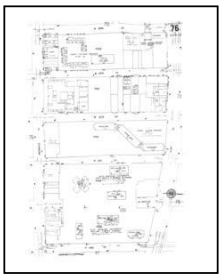
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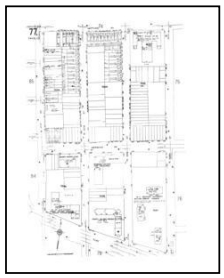
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1987

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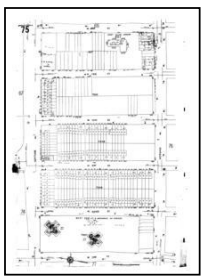
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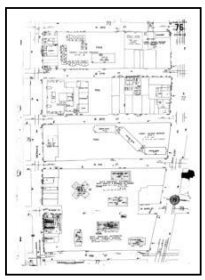
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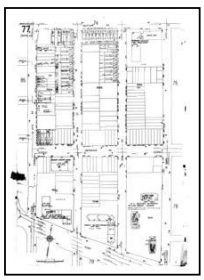
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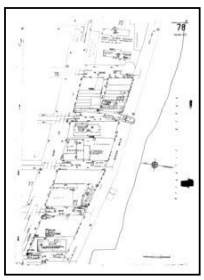
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1986

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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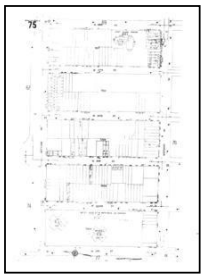
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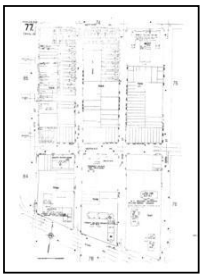
1983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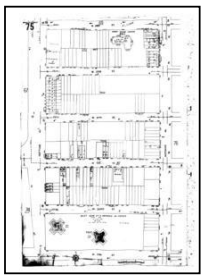
1983

1982 Source Sheets


Volume 18, Sheet 75
1982

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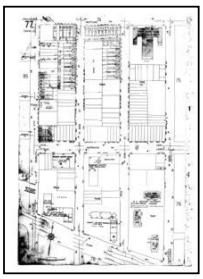
1982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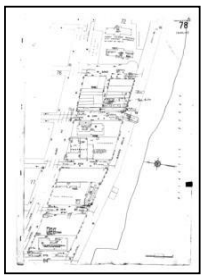
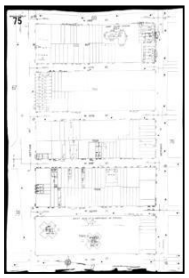

Volume 18, Sheet 78
1982

1981 Source Sheets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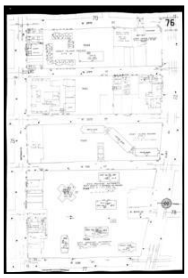
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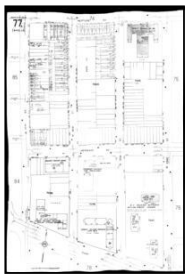
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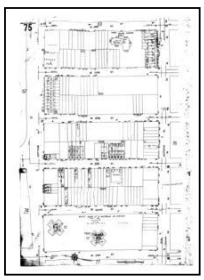
1981

Volume 18, Sheet 78
1981

1980 Source Sheets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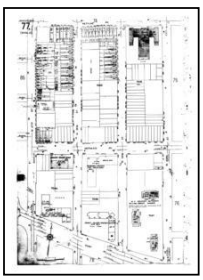
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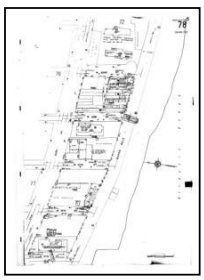
Volume 18, Sheet 78
1980

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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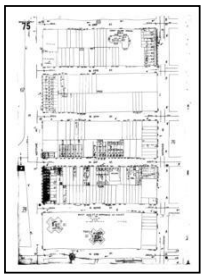
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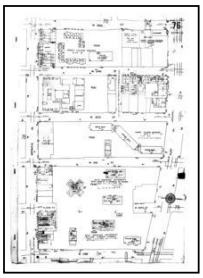
Volume 18, Sheet 76
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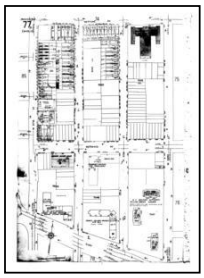
Volume 18, Sheet 77
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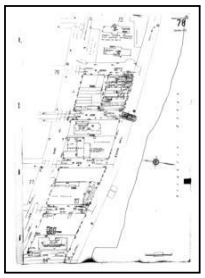
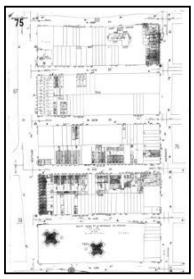

Volume 18, Sheet 78
1979

1977 Source Sheets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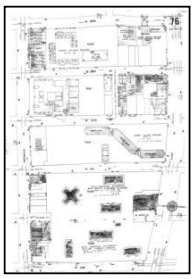
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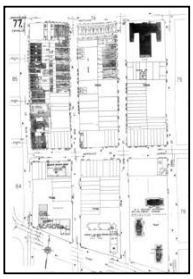
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1977

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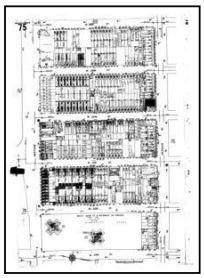
1977

1968 Source Sheets


Volume 18, Sheet 75
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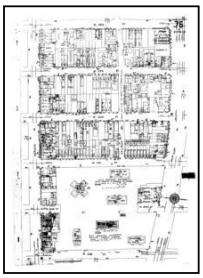
Volume 18, Sheet 76
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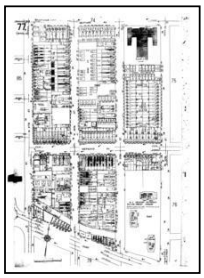
Volume 18, Sheet 77
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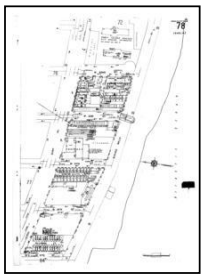
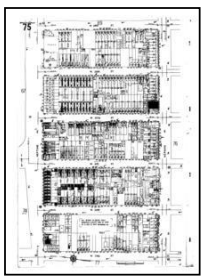

Volume 18, Sheet 78
1968

1966 Source Sheets


Volume 18, Sheet 75
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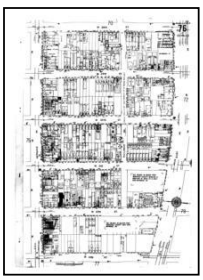
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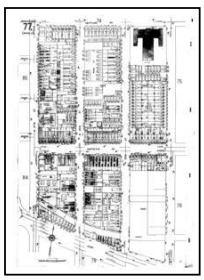
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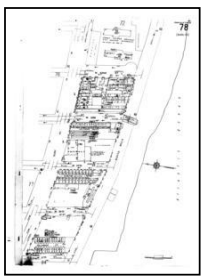
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1966

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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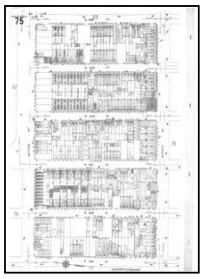
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1950

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1950

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1950

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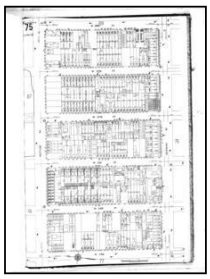
1950

1930 Source Sheets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1930

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1930

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1930

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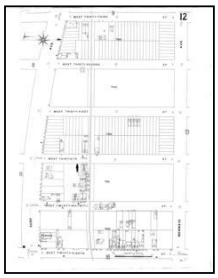
1930

1906 Source Sheets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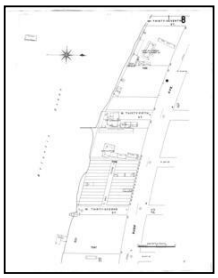
1906


Volume 13, Sheet 8
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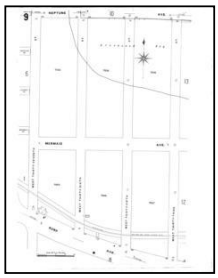
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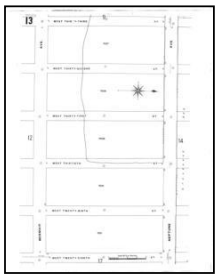
Volume 13, Sheet 13
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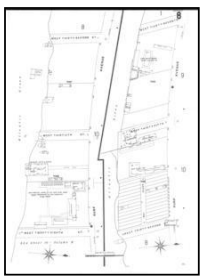
1905 Source Sheets


Volume B, Sheet 8
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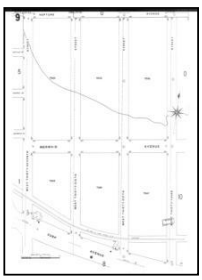
Volume B, Sheet 9
1905

Volume B, Sheet 10
1905

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Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
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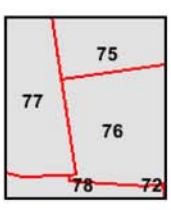

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Volume 18, Sheet 76
Volume 18, Sheet 75
Volume 18, Sheet 78

0 Feet 150 300 600

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Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
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Certification #	732D-4915-AD3D
Copyright	2006

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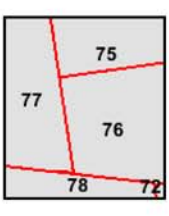
Outlined areas indicate map sheets within the collection.



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Volume 18, Sheet 77
Volume 18, Sheet 76
Volume 18, Sheet 75

0 Feet 150 300 600

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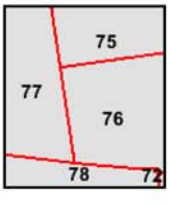

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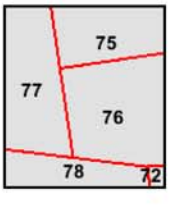

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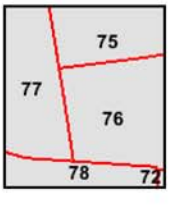

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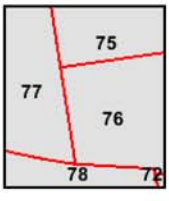

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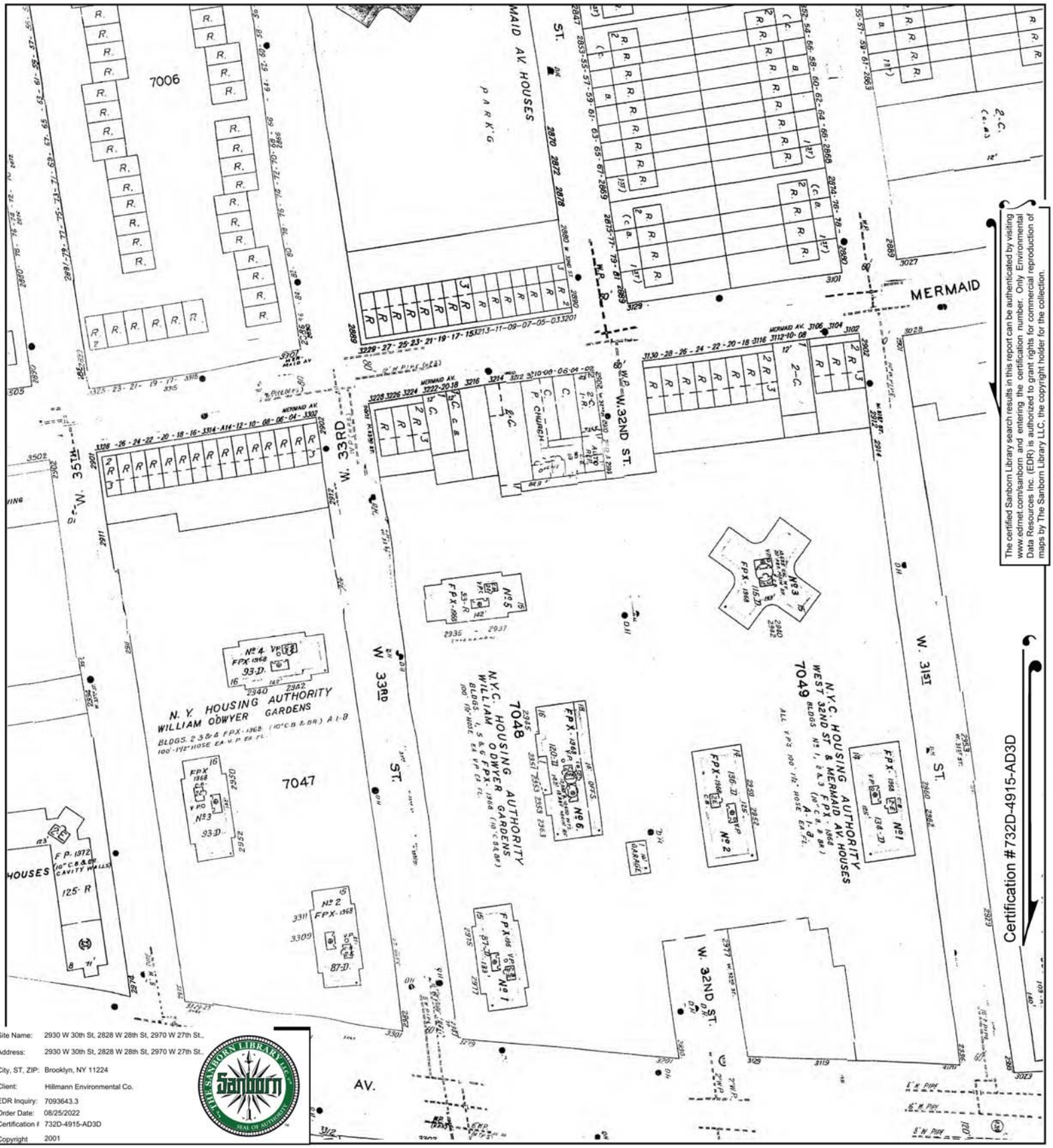

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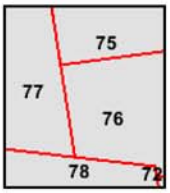

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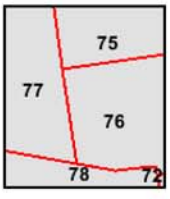

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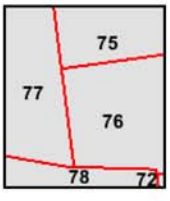

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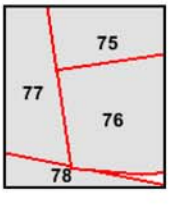

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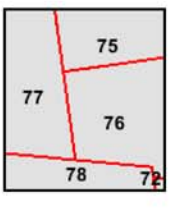

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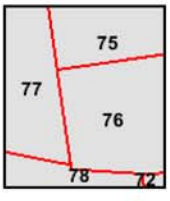

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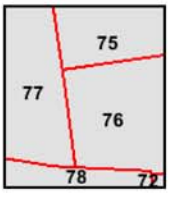

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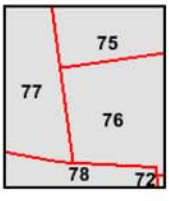

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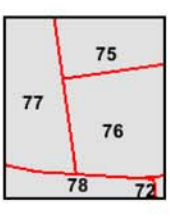

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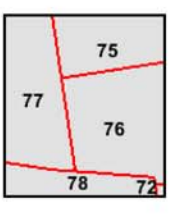

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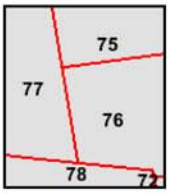

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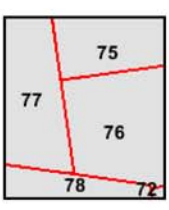

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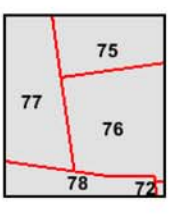

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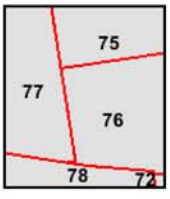

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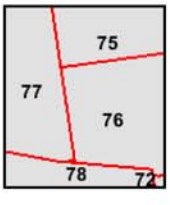

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Copyright	1977

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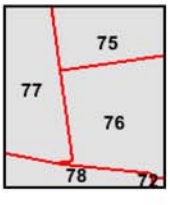

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Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1968

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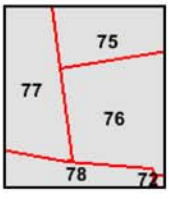

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Volume 18, Sheet 77
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N

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City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
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Copyright 1966

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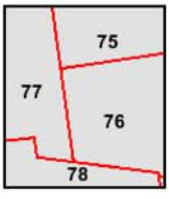

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0 Feet 150 300 600

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1950

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Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.
City, ST, ZIP:	Brooklyn, NY 11224
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EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
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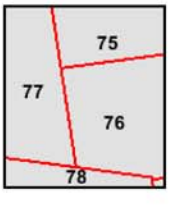

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Volume 18, Sheet 75

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
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Order Date: 08/25/2022
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Copyright 1930

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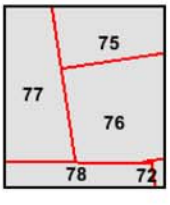

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1906

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Volume 13, Sheet 9
Volume 13, Sheet 8
Volume 13, Sheet 12

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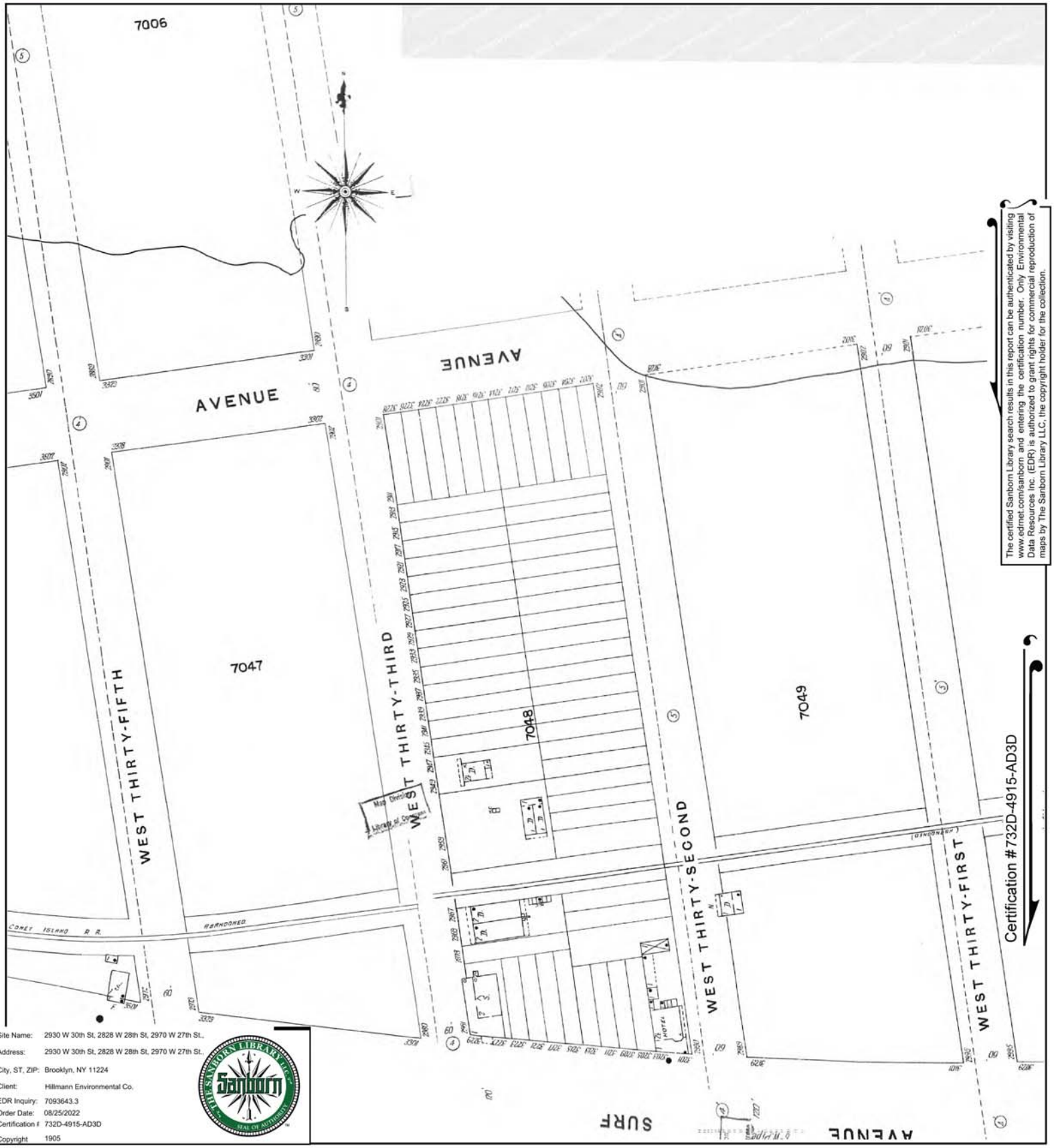

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Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1905

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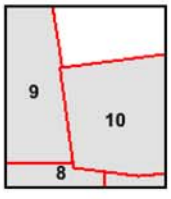

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Volume B, Sheet 9
Volume B, Sheet 8

0 Feet 150 300 600

N

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
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Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hillmann Environmental Co. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1983	1950
2006	1994	1982	1930
2005	1993	1981	1906
2004	1992	1980	1905
2003	1991	1979	
2002	1989	1977	
2001	1987	1968	
1996	1986	1966	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Sanborn Sheet Key

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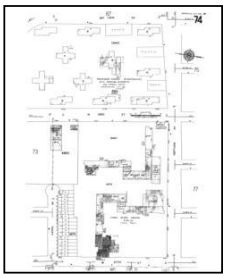
2007 Source Sheets

Volume 18, Sheet 67
2007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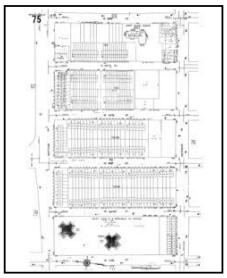
2007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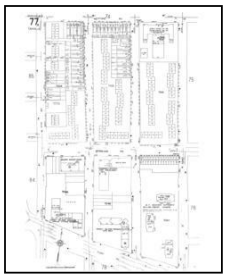
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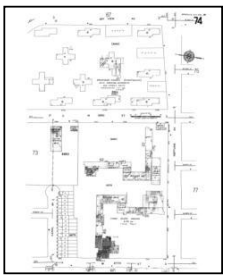
2007

2006 Source Sheets

Volume 18, Sheet 67
2006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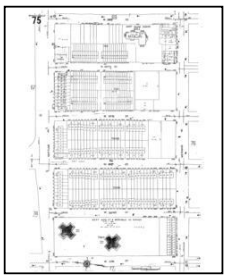
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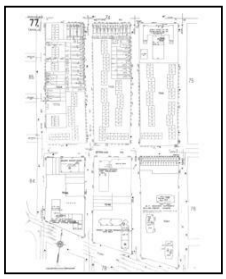
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2005 Source Sheets

Volume 18, Sheet 67
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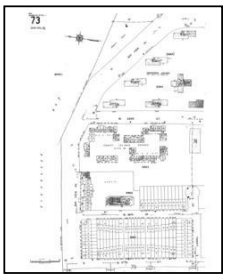
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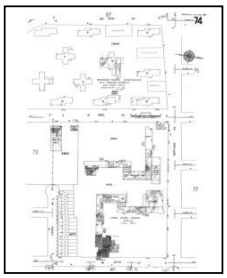
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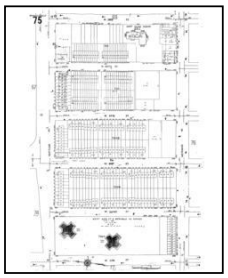
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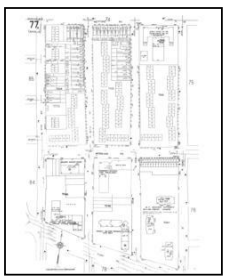
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2005

Sanborn Sheet Key

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2004 Source Sheets

Volume 18, Sheet 67
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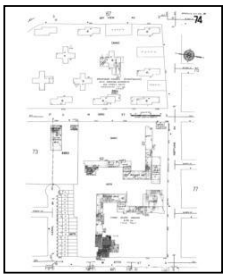
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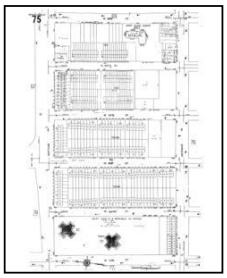
Volume 18, Sheet 75
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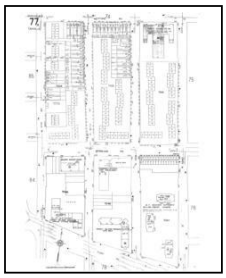
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2003 Source Sheets

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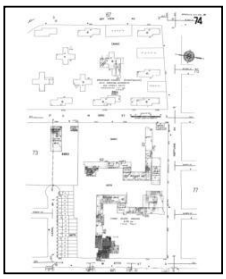
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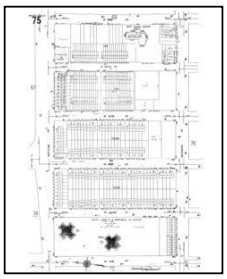
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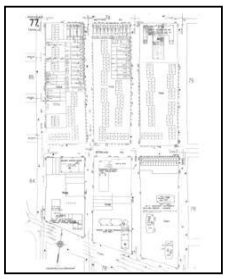
Volume 18, Sheet 77
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2002 Source Sheets

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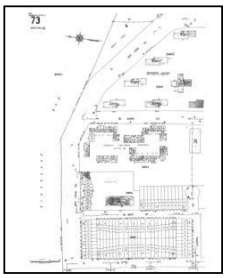
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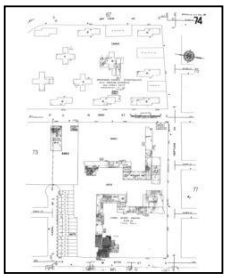
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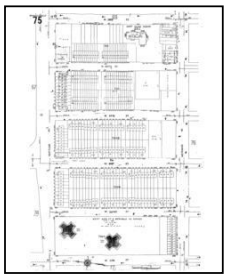
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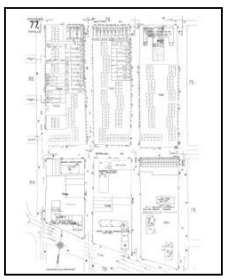
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Sanborn Sheet Key

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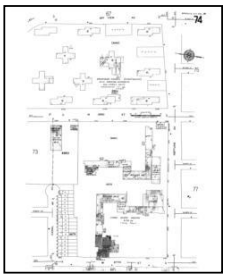
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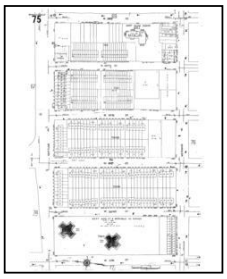
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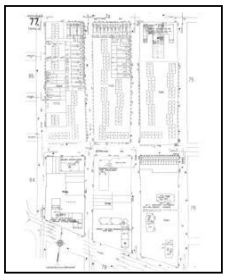
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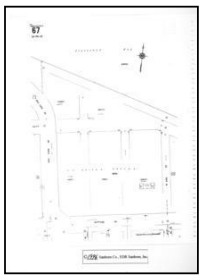
2001

1996 Source Sheets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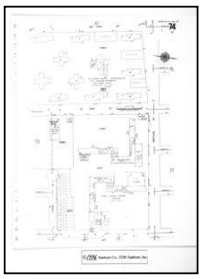
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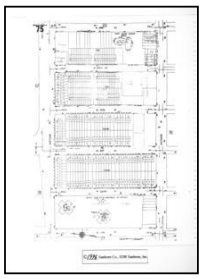
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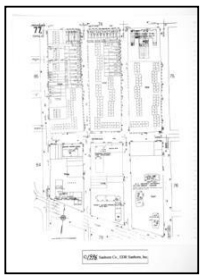
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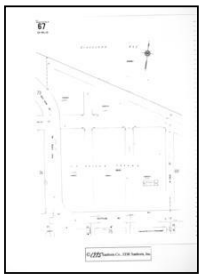
1995 Source Sheets


Volume 18, Sheet 67
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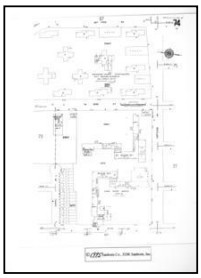
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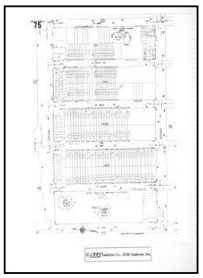
1995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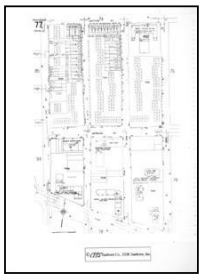
1995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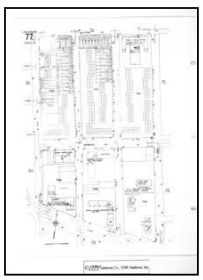
1995

1994 Source Sheets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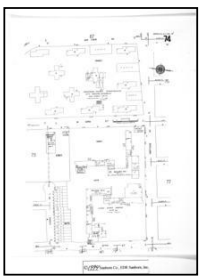
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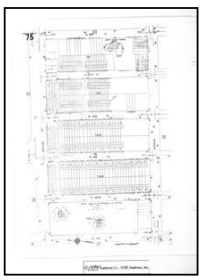
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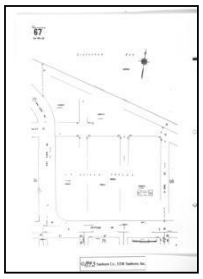
1994

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1993 Source Sheets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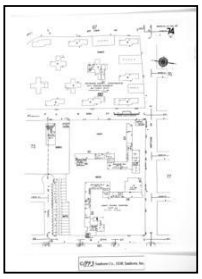
1993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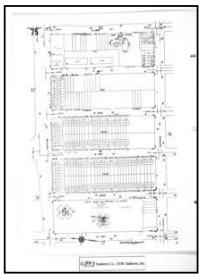
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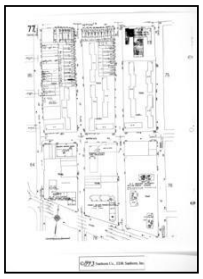
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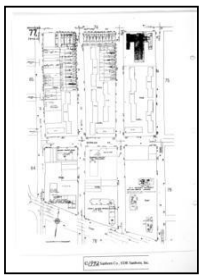
1993

1992 Source Sheets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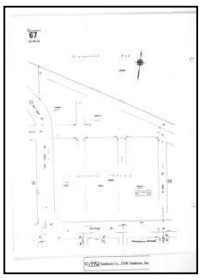
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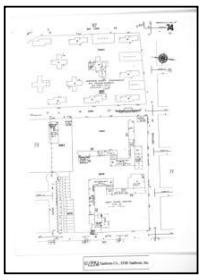
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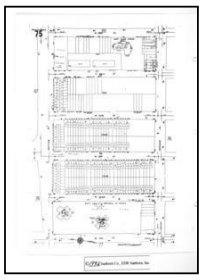
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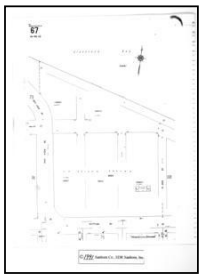
1991 Source Sheets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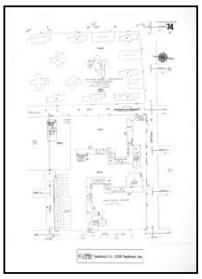
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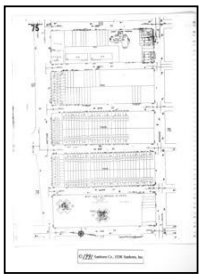
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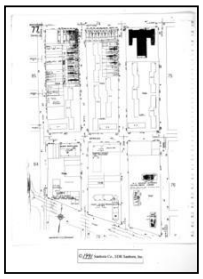
1991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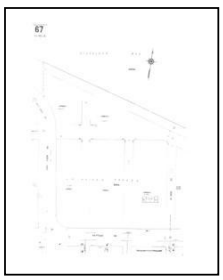
1991

1989 Source Sheets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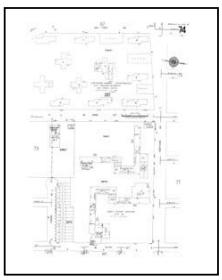
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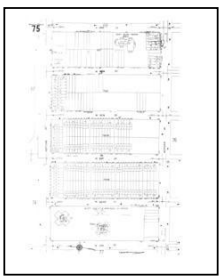
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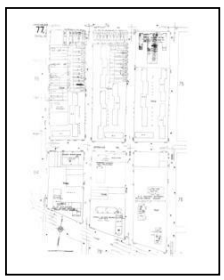
1989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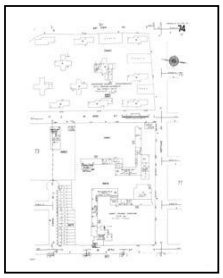
1989

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1987 Source Sheets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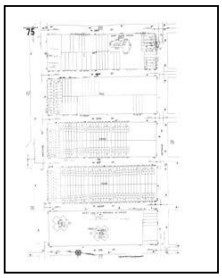
1987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1987

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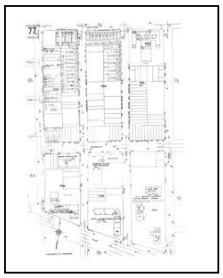
1987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1987

1986 Source Sheets

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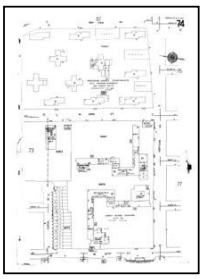
1986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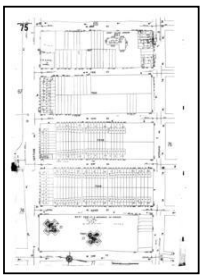
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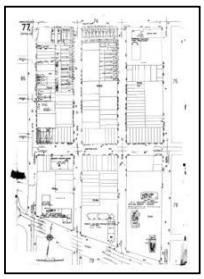
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1986

1983 Source Sheets

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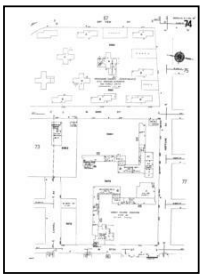
1983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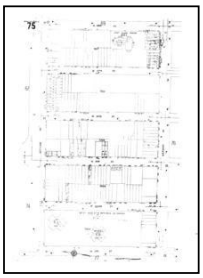
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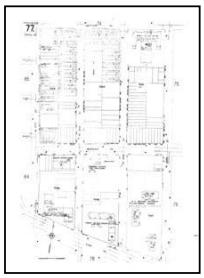
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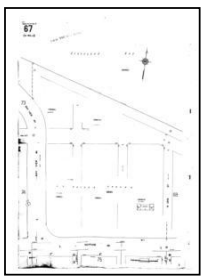
1983

1982 Source Sheets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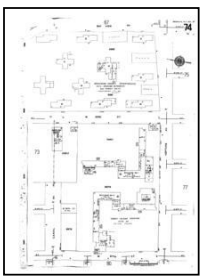
1982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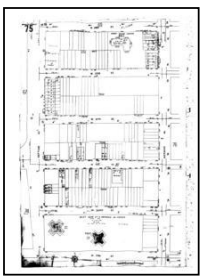
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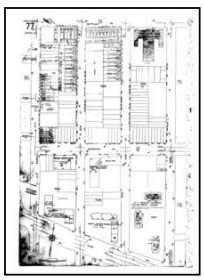
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1982

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1981 Source Sheets

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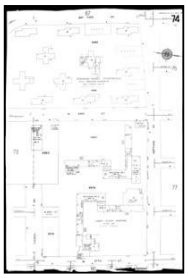
1981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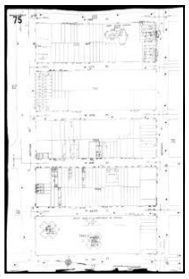
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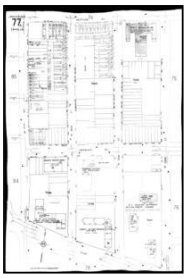
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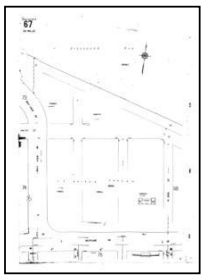
1981

1980 Source Sheets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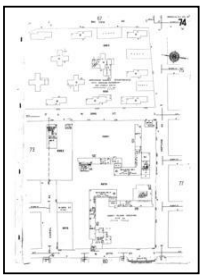
1980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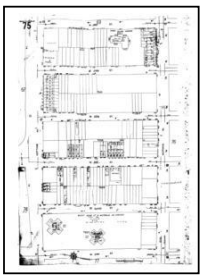
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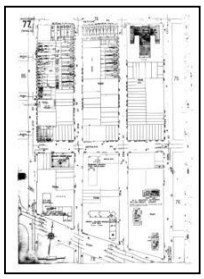
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1980

1979 Source Sheets

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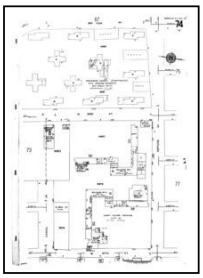
1979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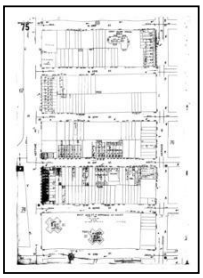
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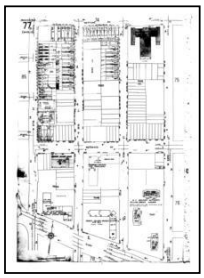
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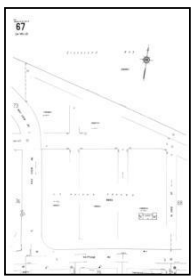
1979

1977 Source Sheets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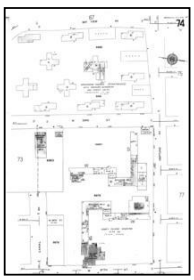
1977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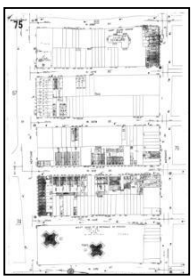
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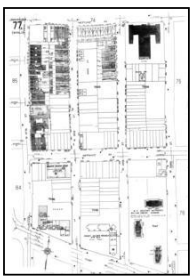
1977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1977

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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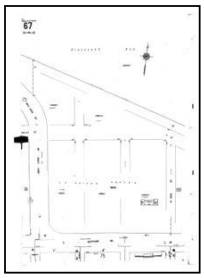
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1968

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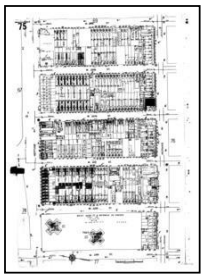
1968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1968

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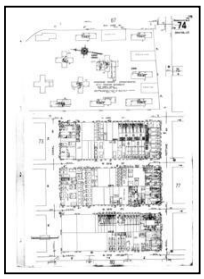
1966 Source Sheets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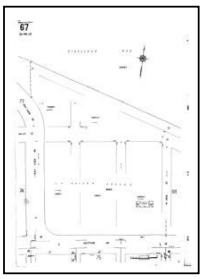
1966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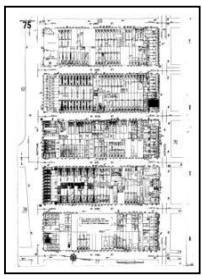
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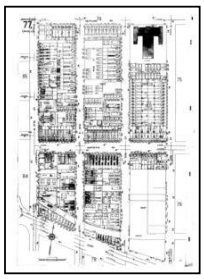
1966


Volume 18, Sheet 77
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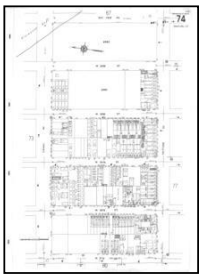
1950 Source Sheets

Volume 18, Sheet 67
1950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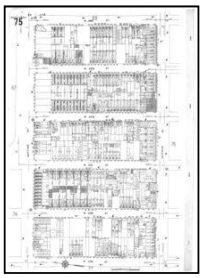
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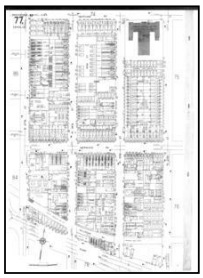
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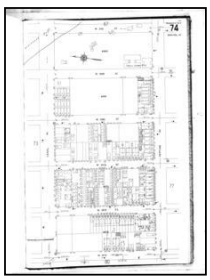
Volume 18, Sheet 74
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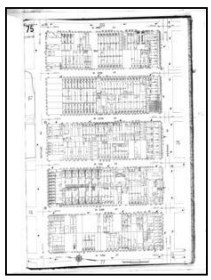
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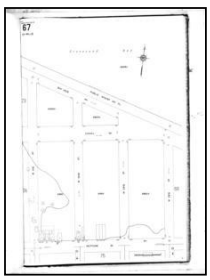
Volume 18, Sheet 67
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Volume 18, Sheet 77
1930

Sanborn Sheet Key

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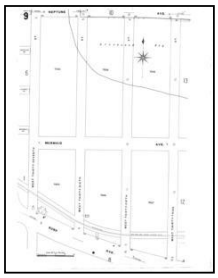
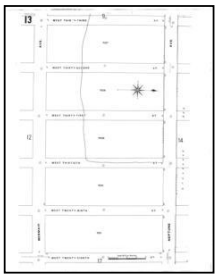
1906 Source Sheets



Volume 13, Sheet 9
1906



Volume 13, Sheet 13
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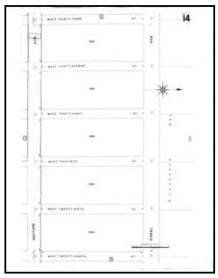

Volume 13, Sheet 14
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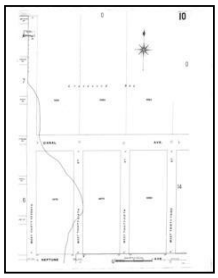

Volume 13, Sheet 10
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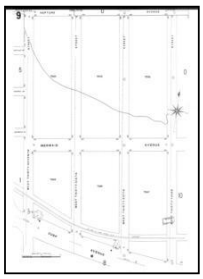
1905 Source Sheets



Volume B, Sheet 9
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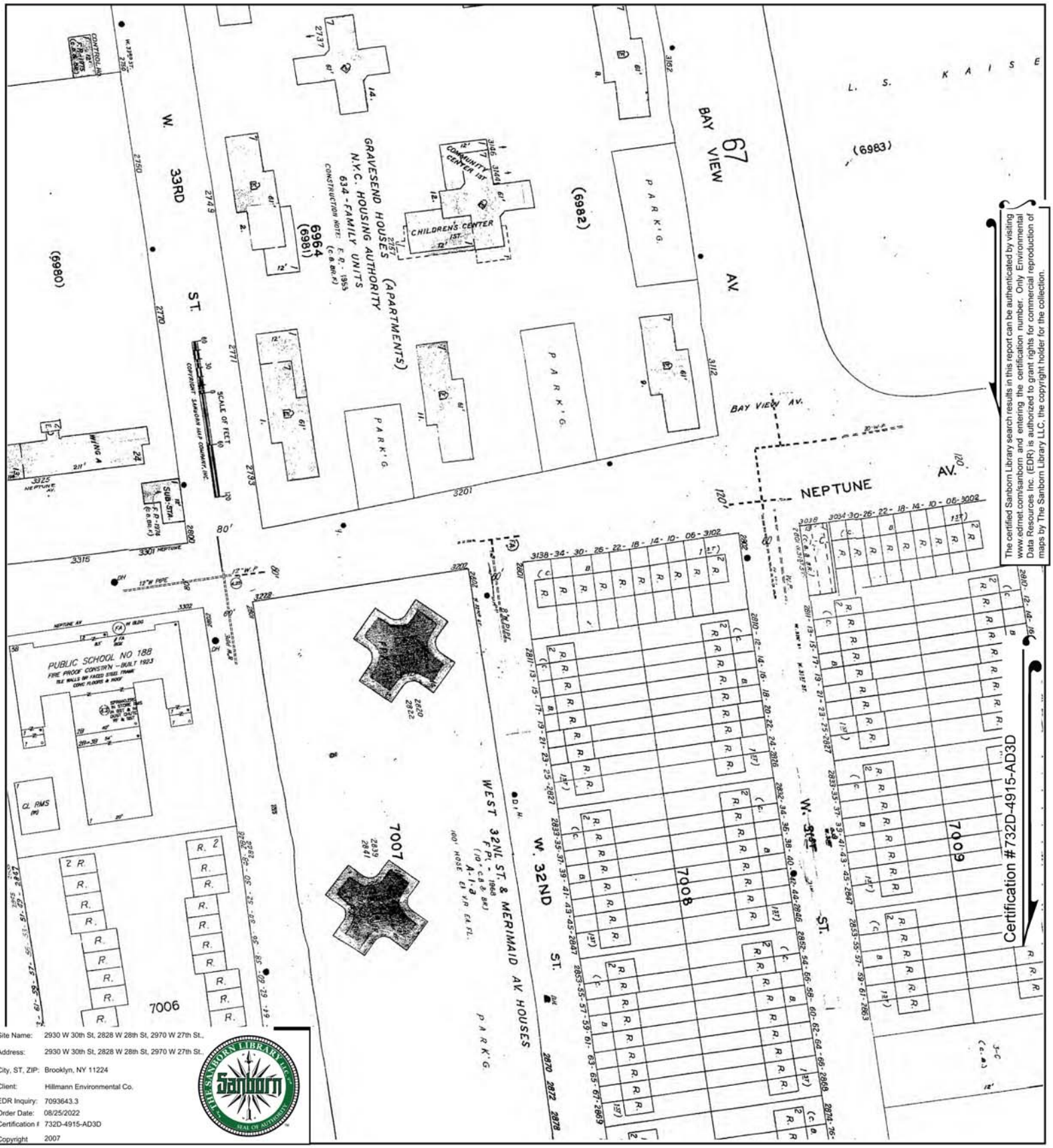

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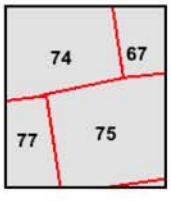

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Volume 18, Sheet 75
Volume 18, Sheet 74
Volume 18, Sheet 67

0 Feet 150 300 600

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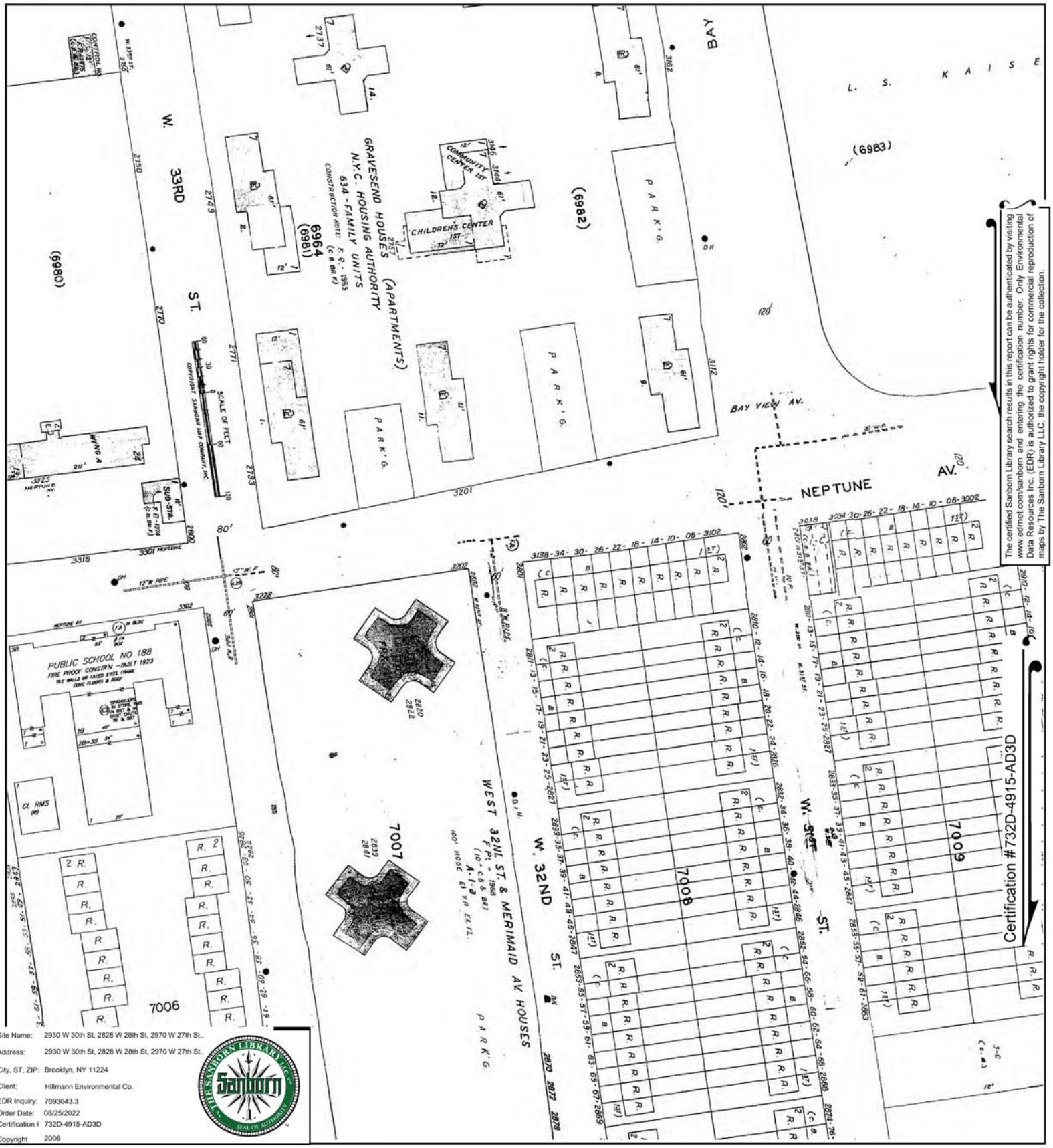

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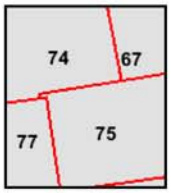

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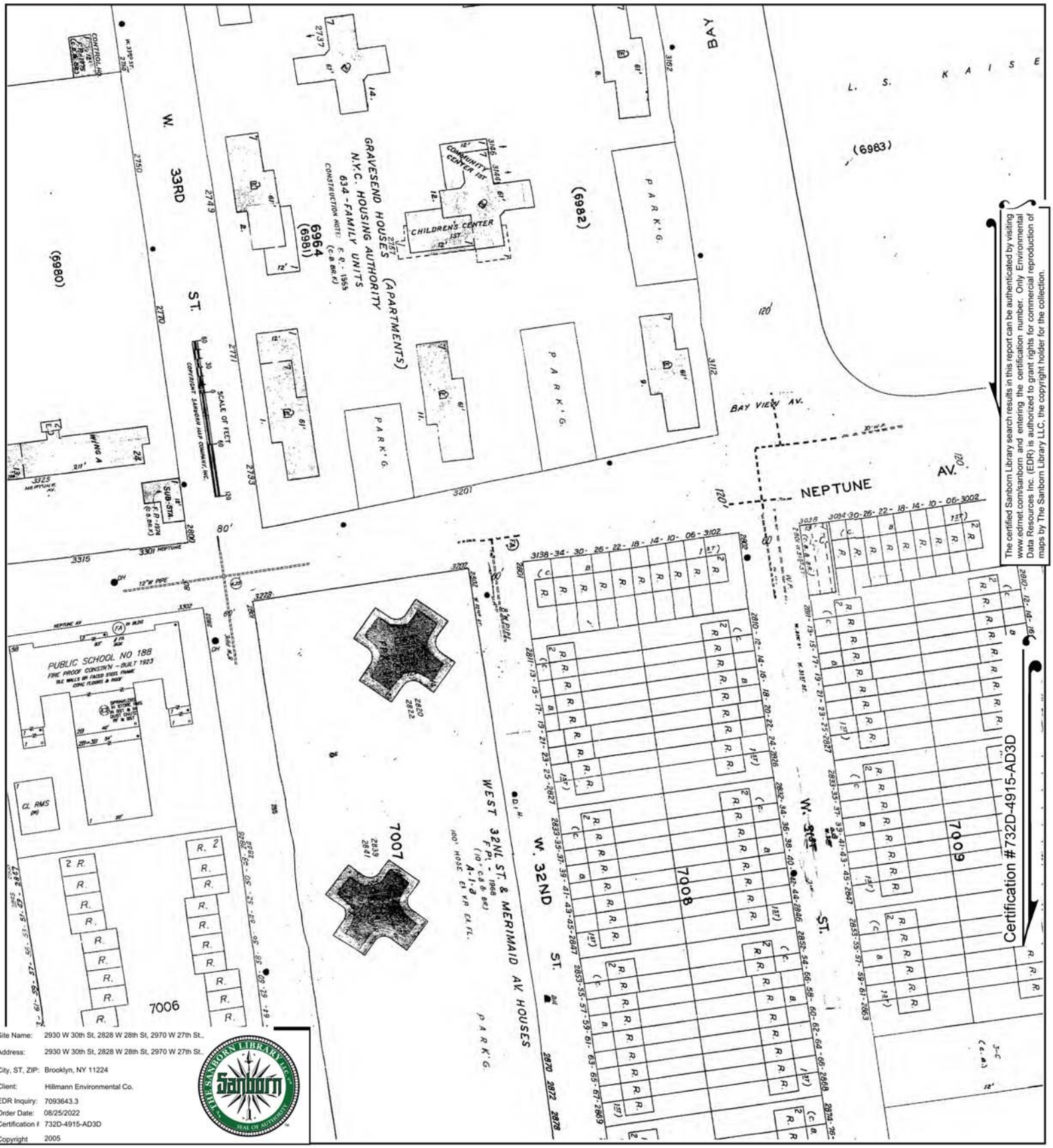

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Copyright	2005

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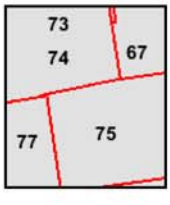

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Volume 18, Sheet 73
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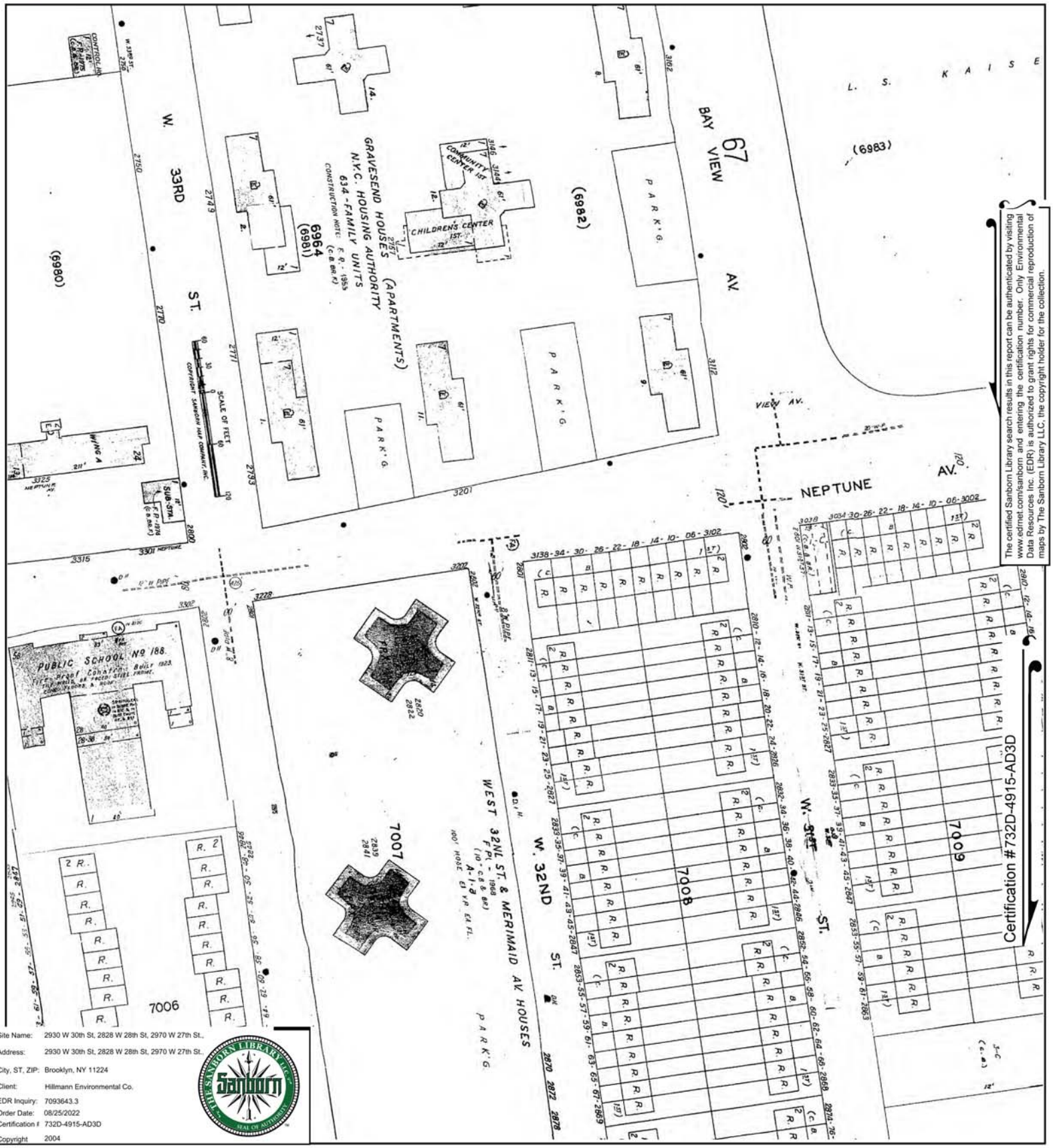

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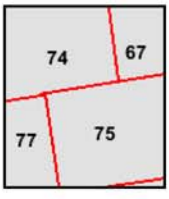

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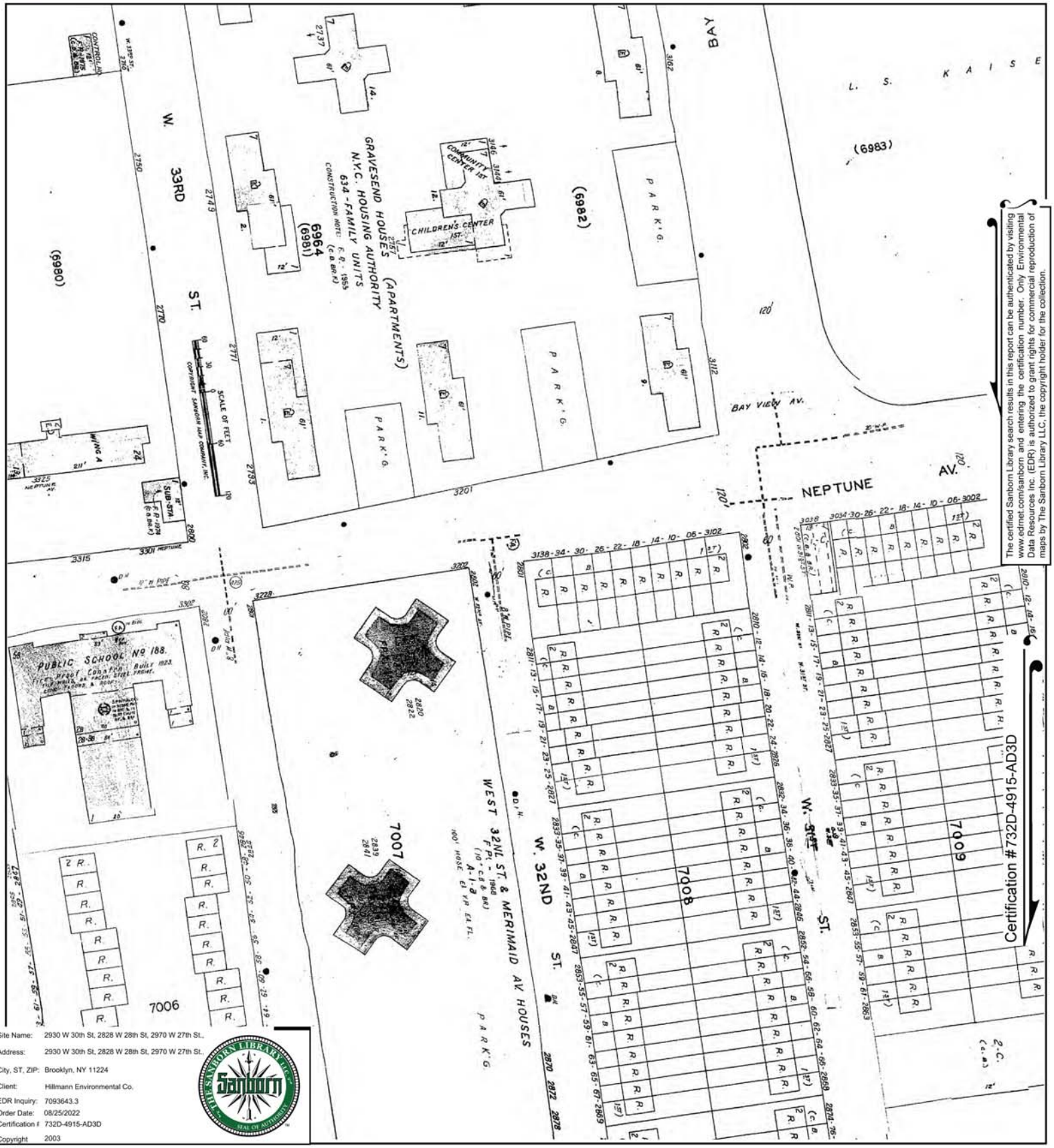

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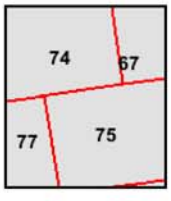

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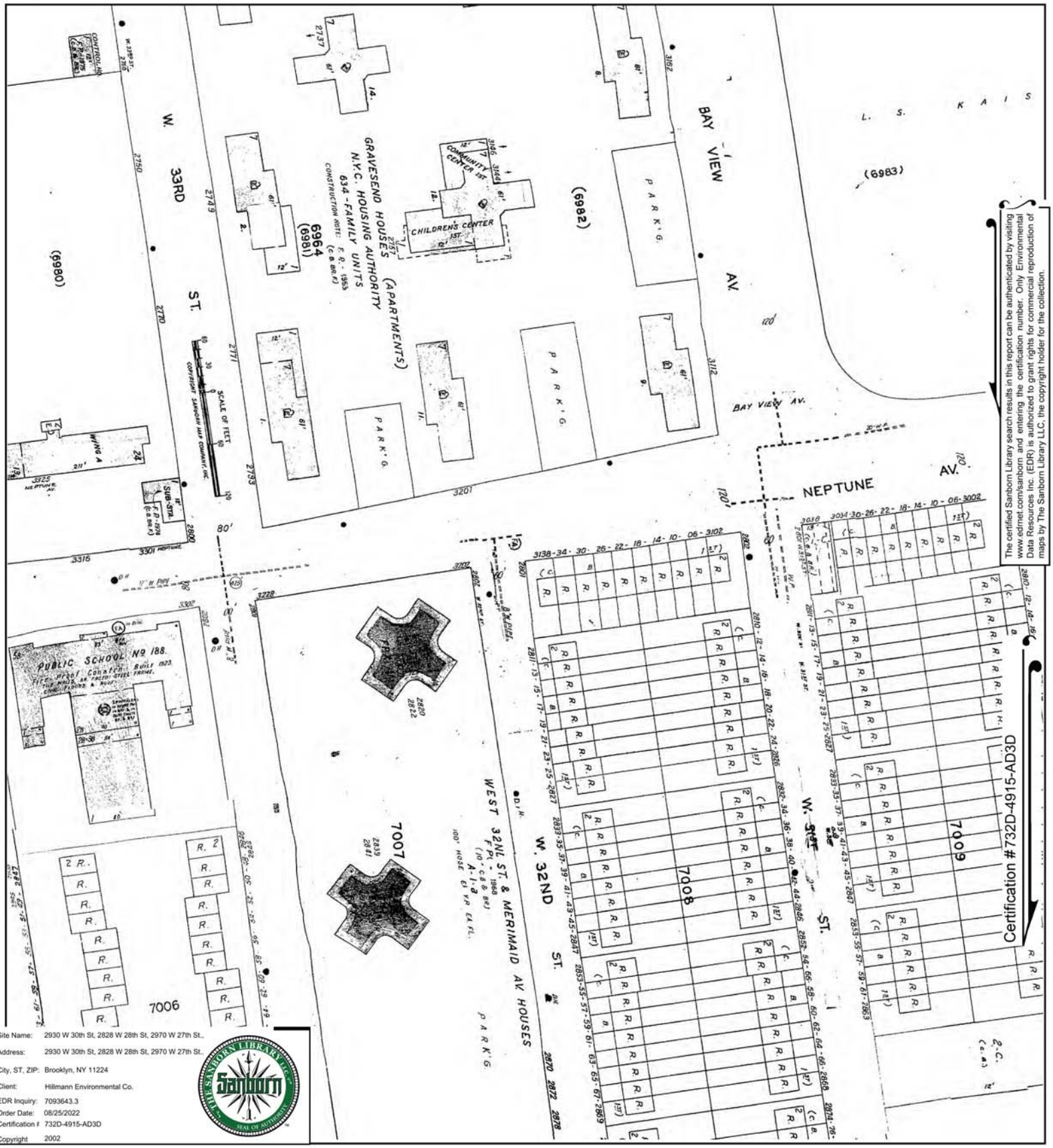

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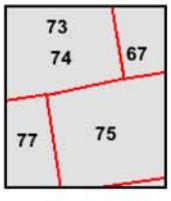

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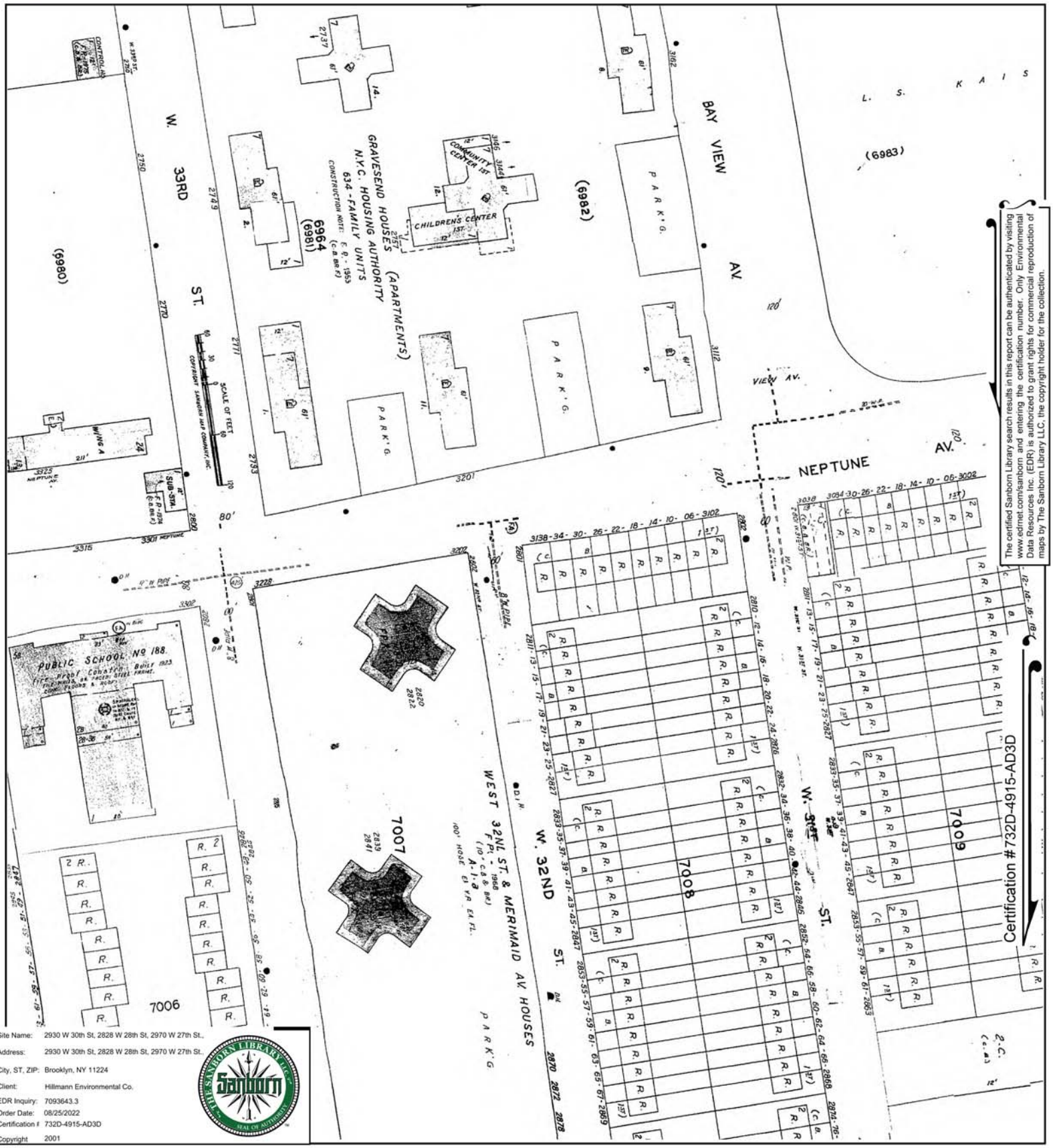

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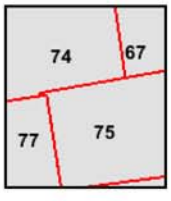

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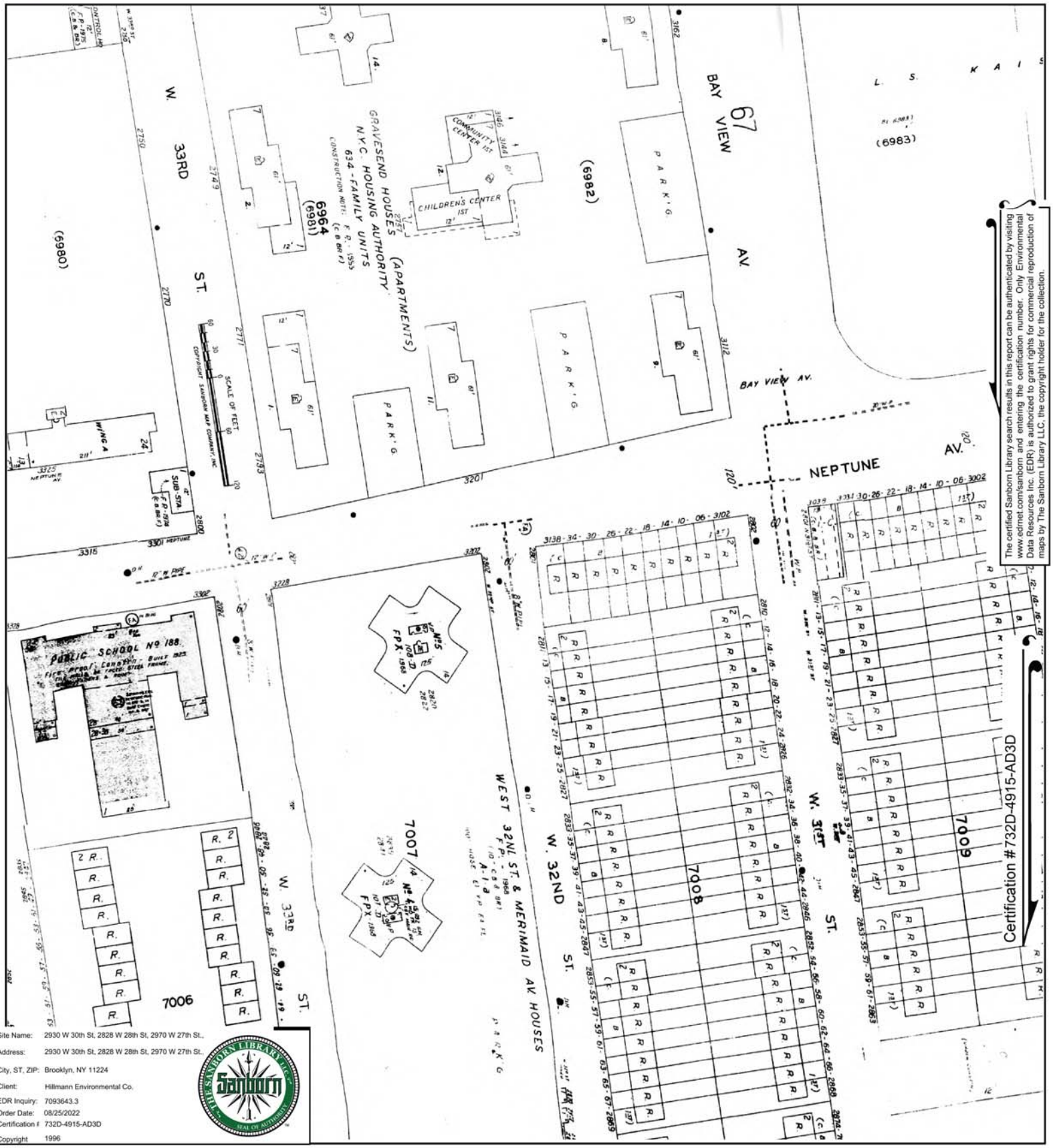

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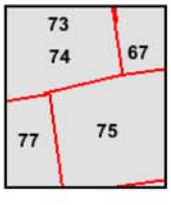

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Volume 18, Sheet 74
Volume 18, Sheet 73
Volume 18, Sheet 67

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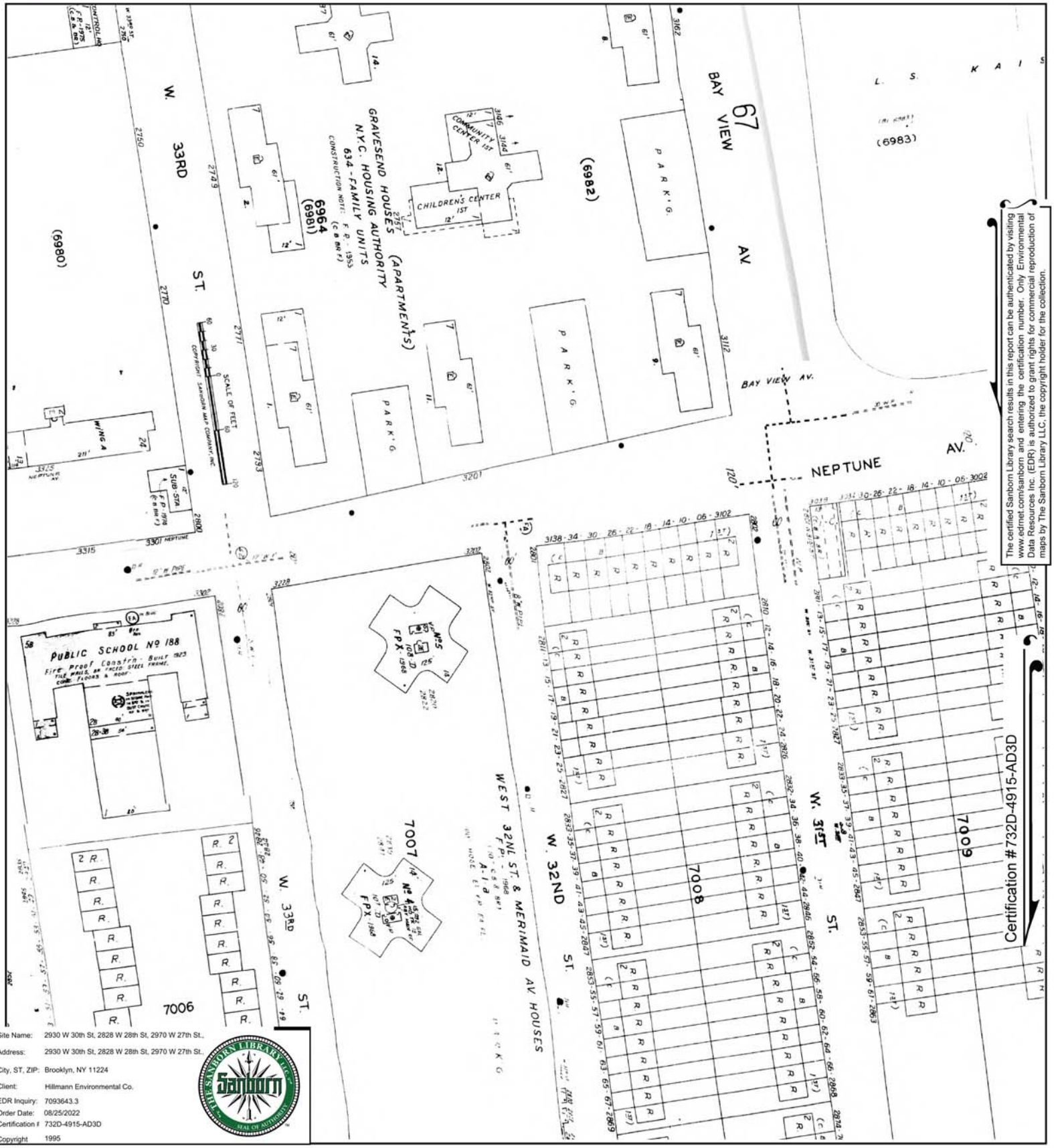

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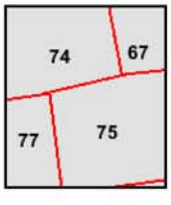

Volume 18, Sheet 77
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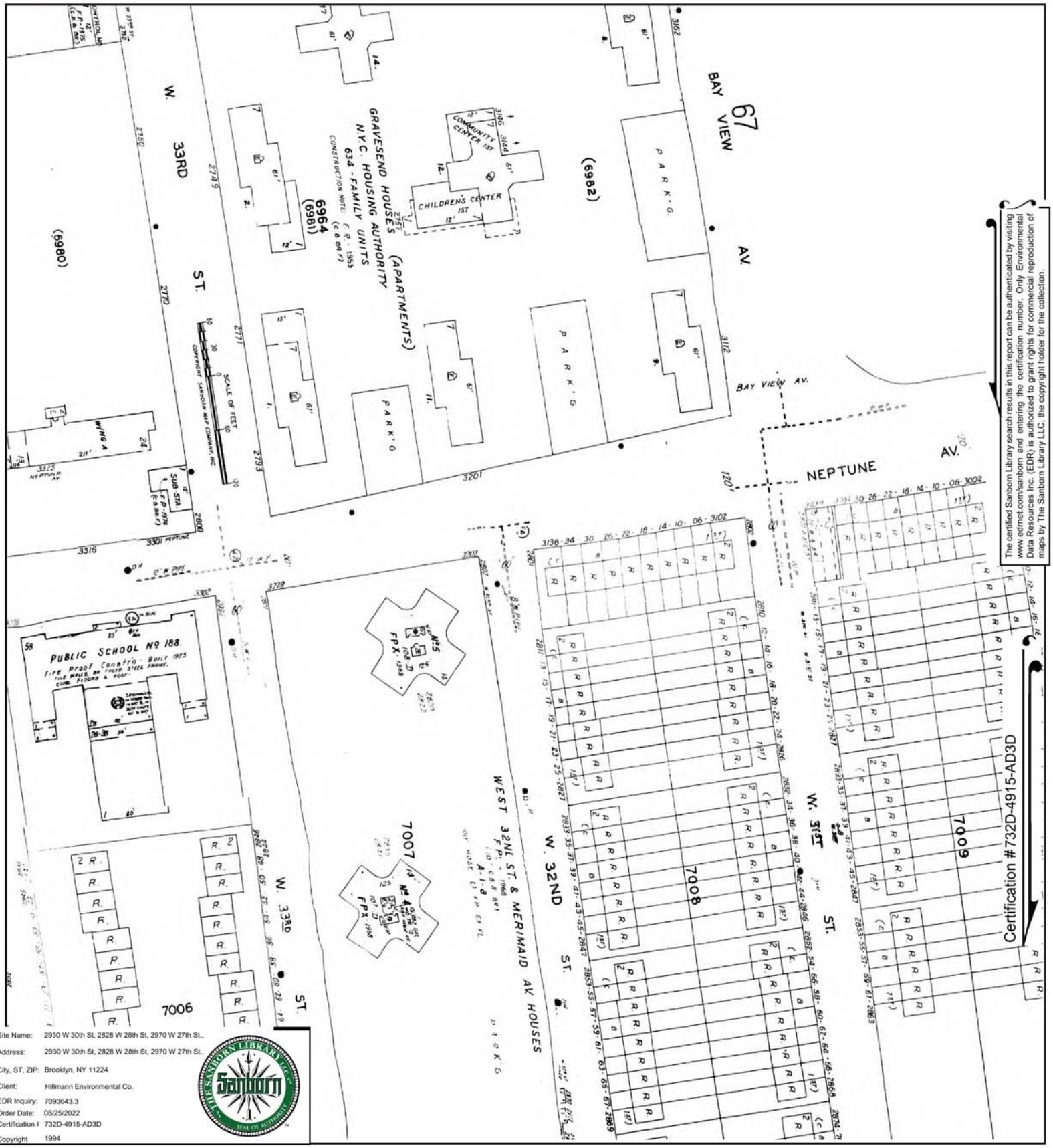

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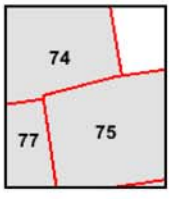

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Volume 18, Sheet 77

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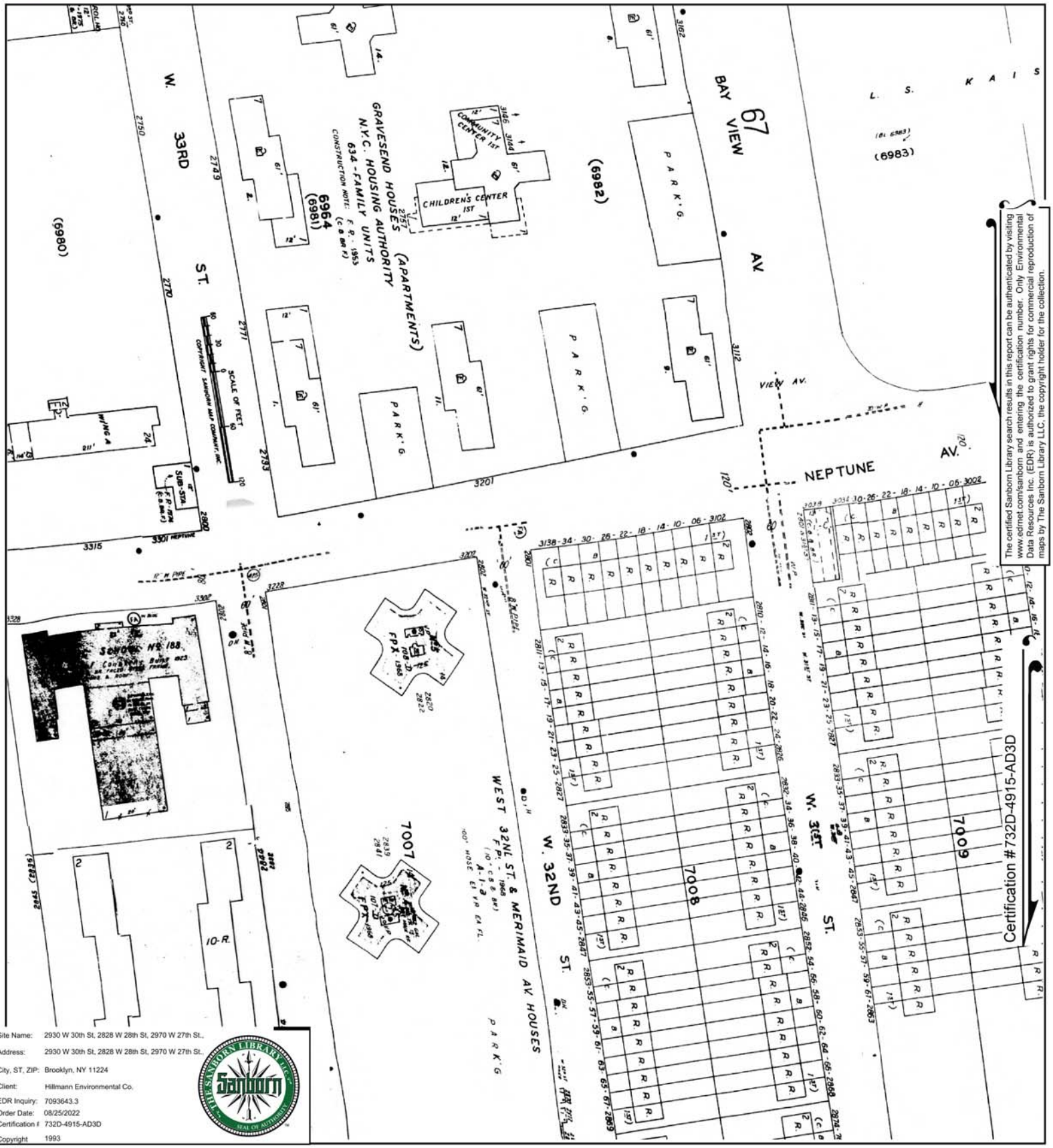
1993



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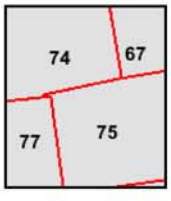

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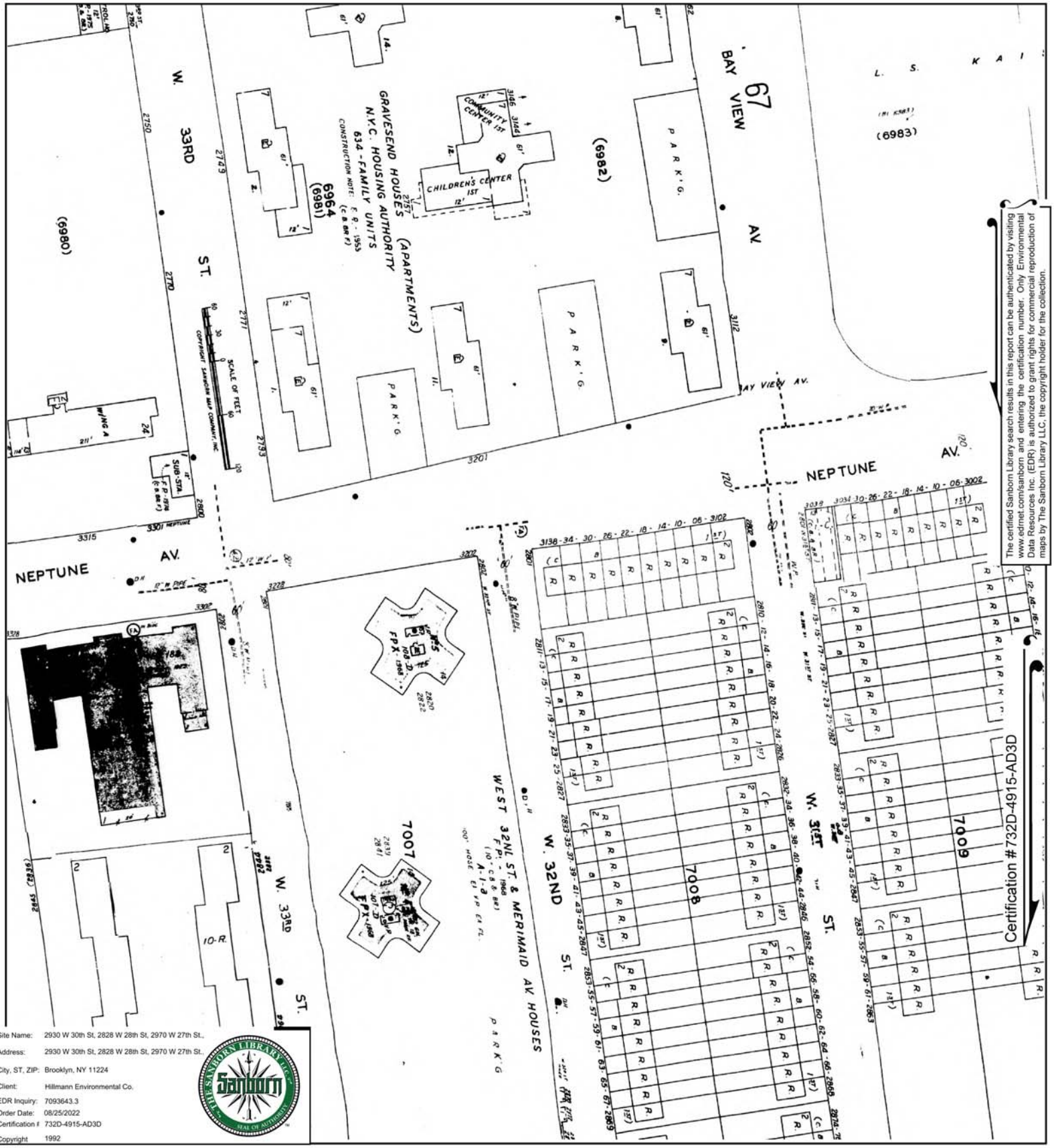

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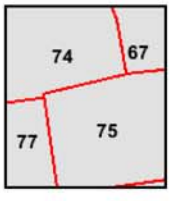

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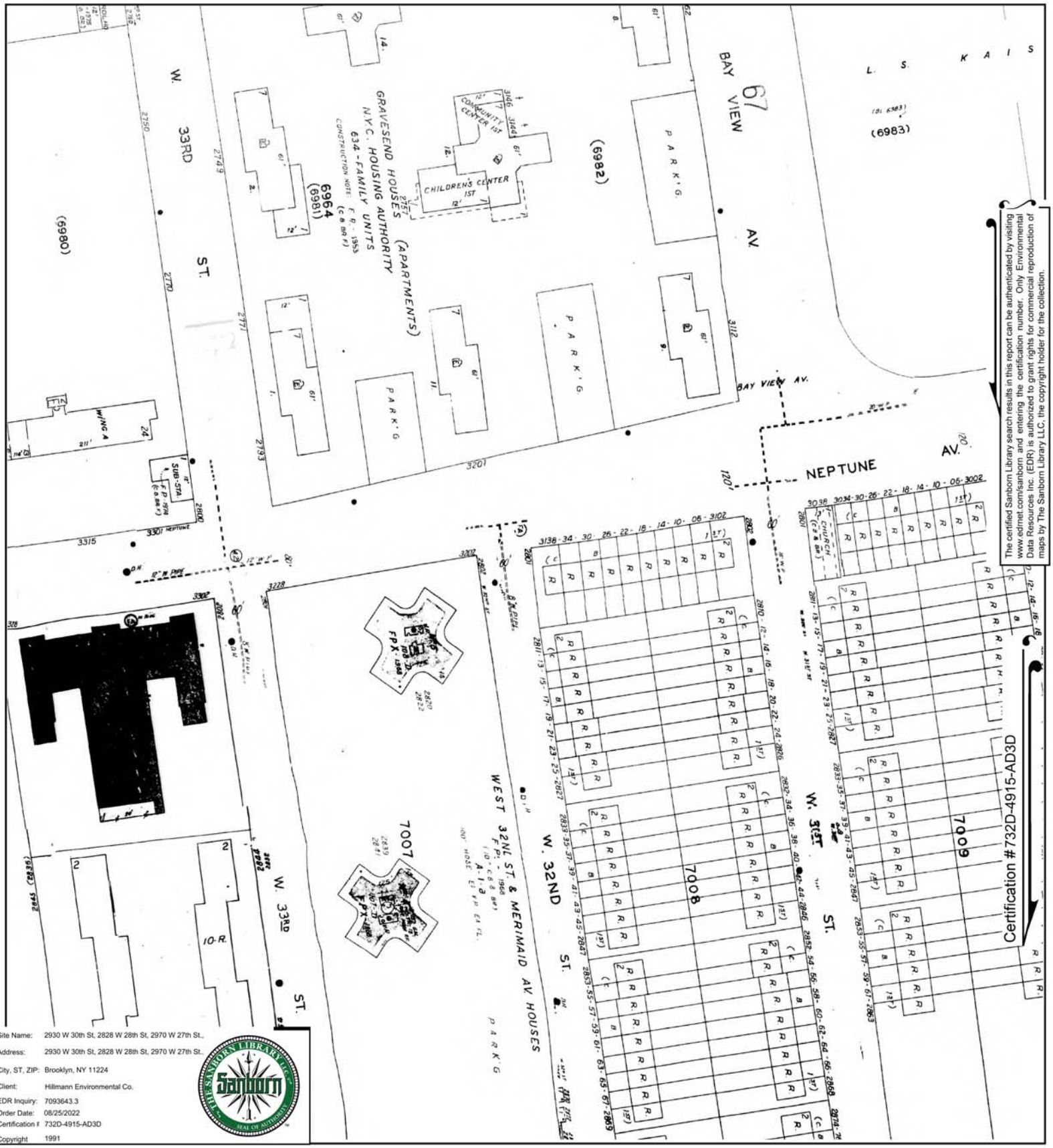

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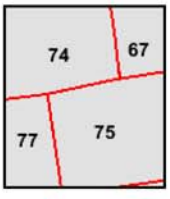

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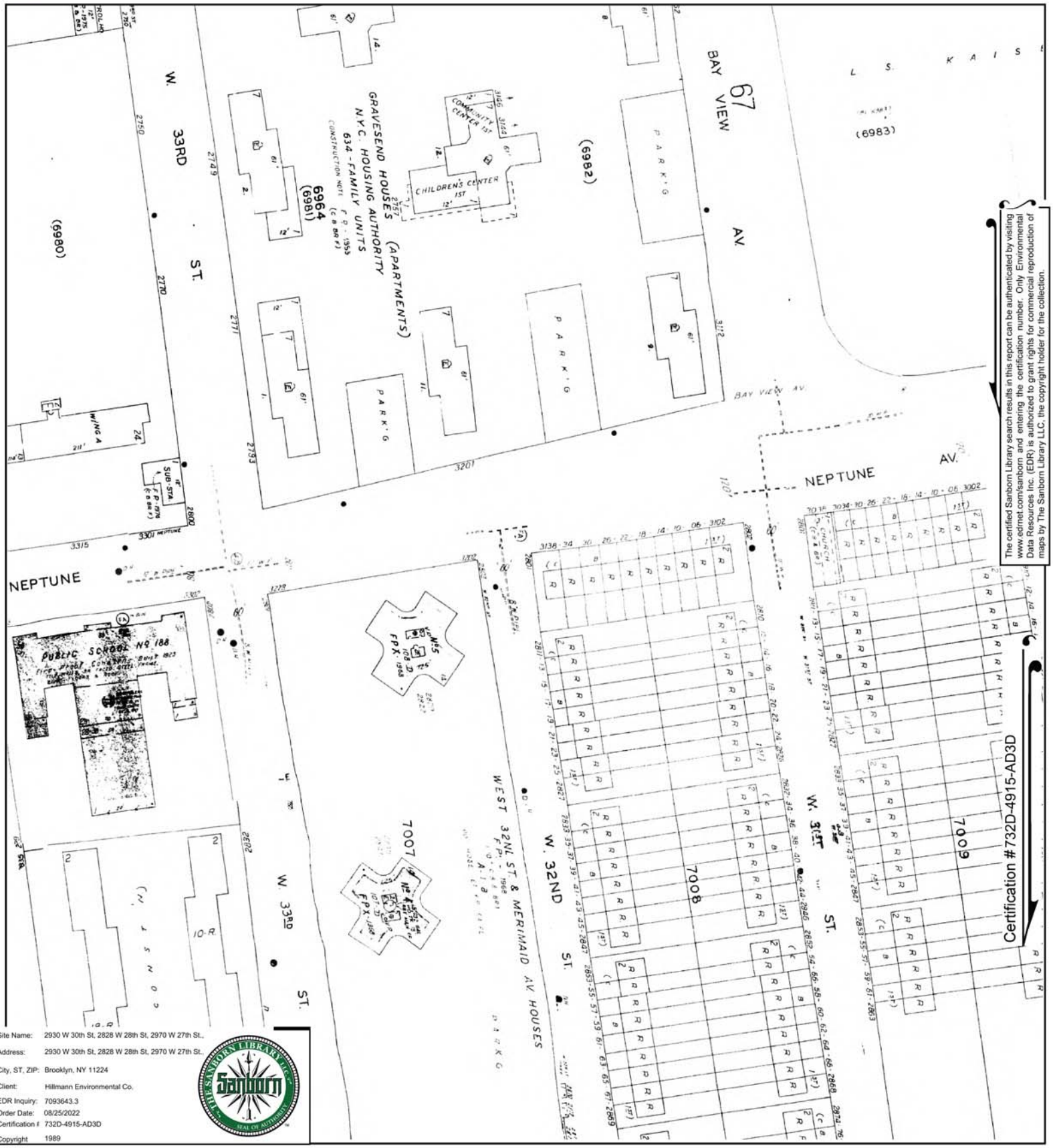

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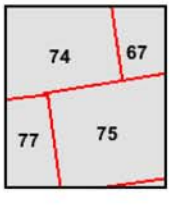

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0 Feet 150 300 600

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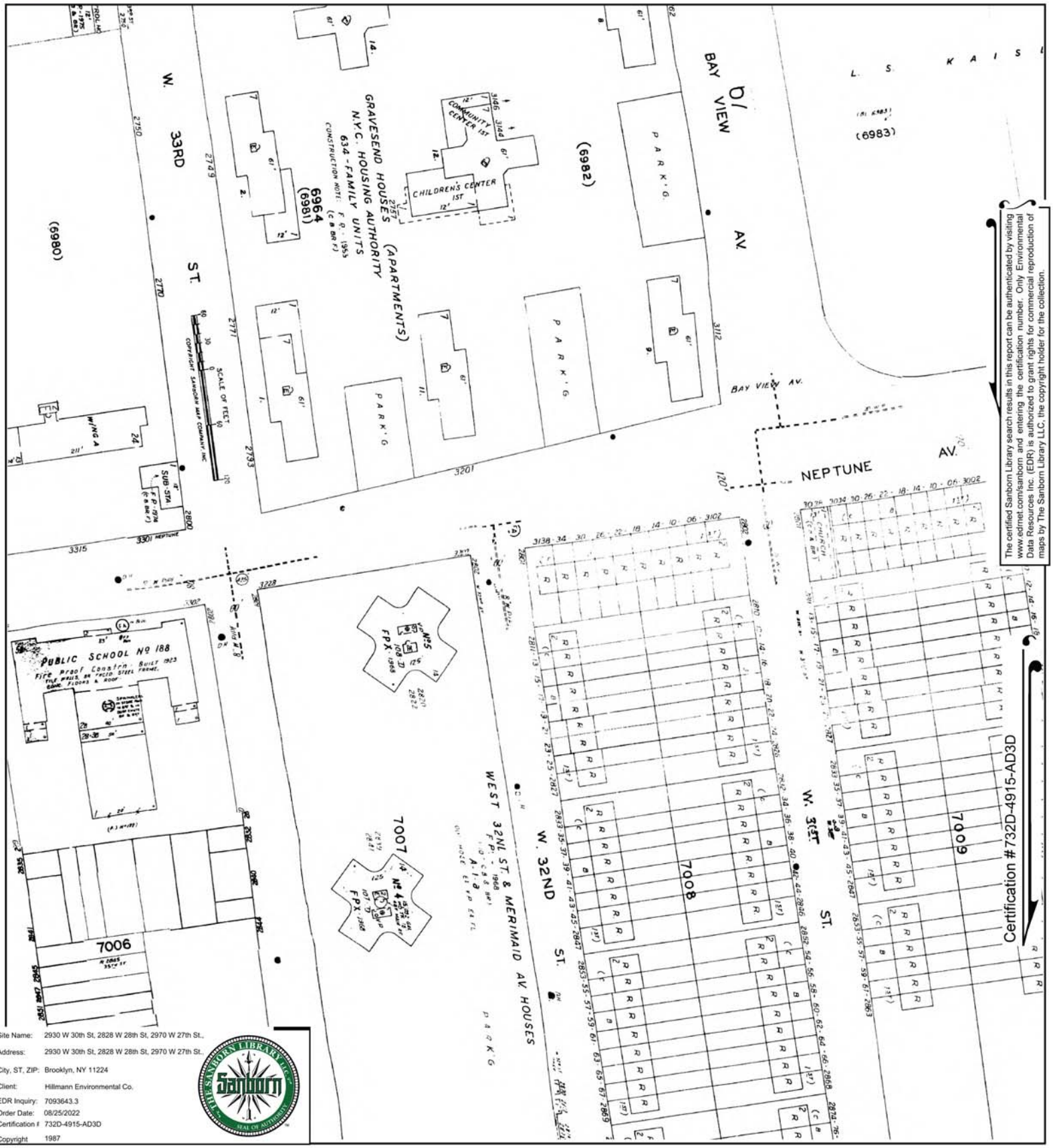

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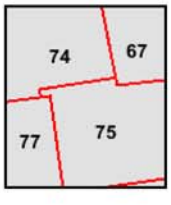

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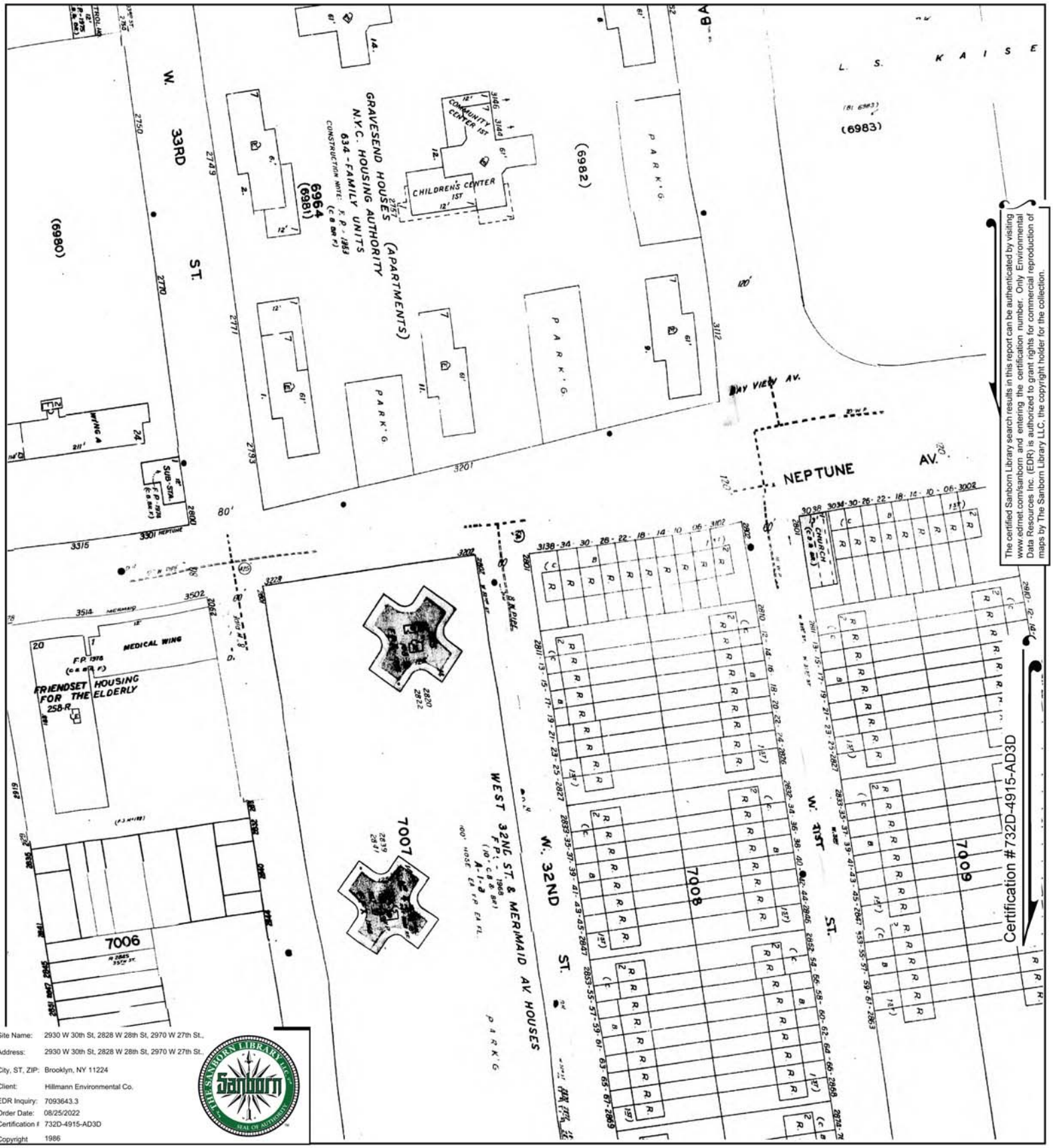
1986



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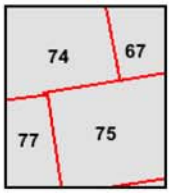

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Copyright	1983

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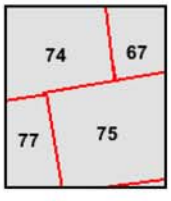

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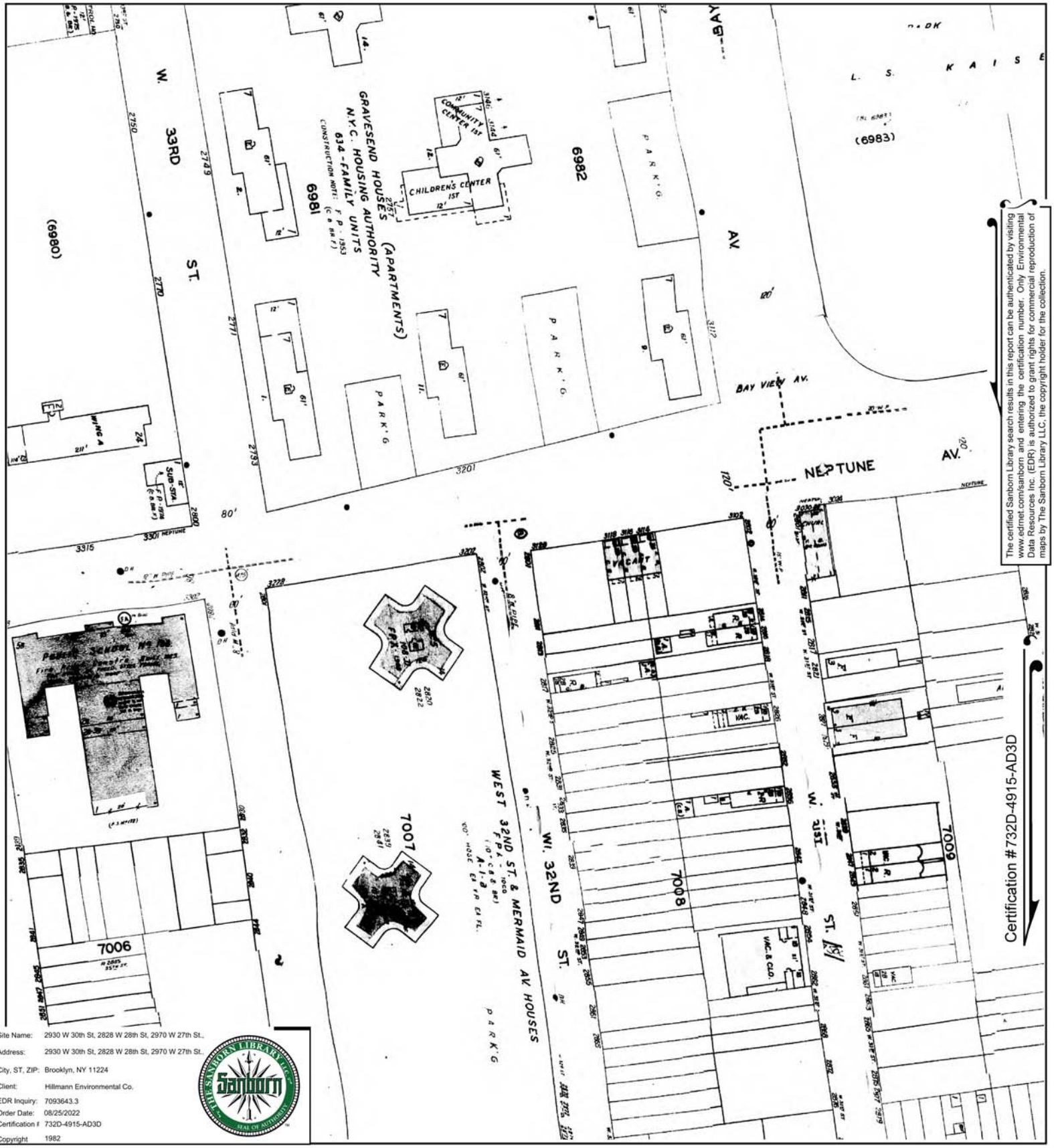

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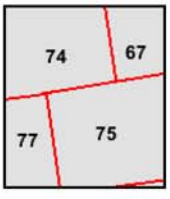

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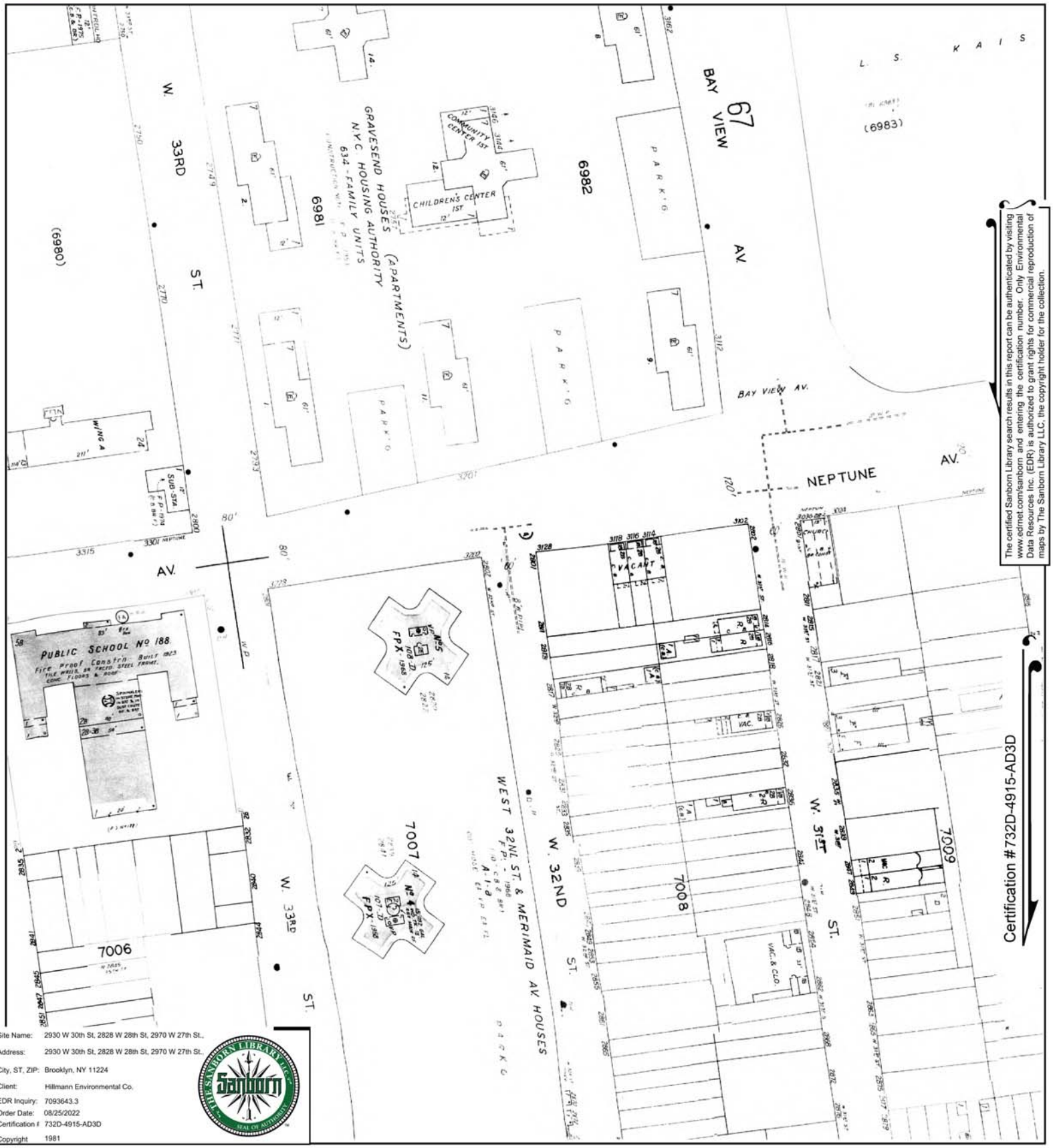
N

Certified Sanborn® Map

1981



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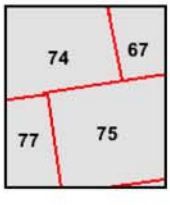

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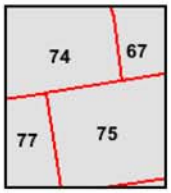

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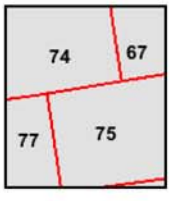

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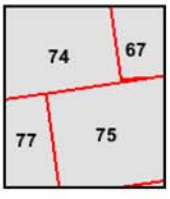

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1968

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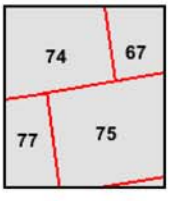

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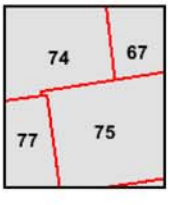

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1950

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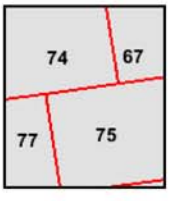

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Copyright 1930

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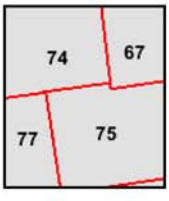

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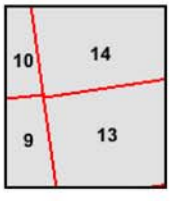

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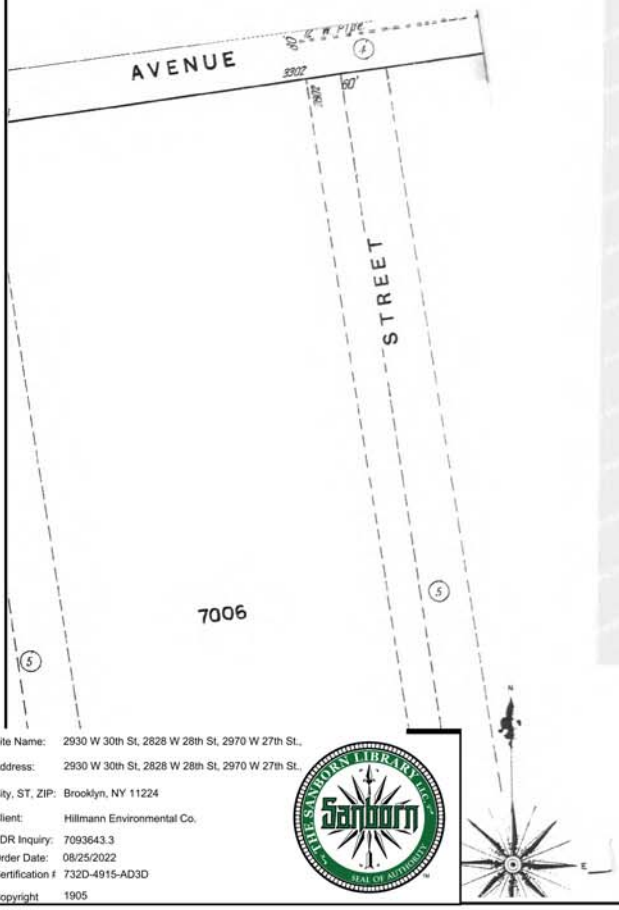

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Copyright: 1905

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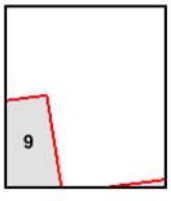

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Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

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Toll Free: 800.352.0050
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Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

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Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

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2006	1994	1982	1930
2005	1993	1981	1906
2004	1992	1980	1905
2003	1991	1979	
2002	1989	1977	
2001	1987	1968	
1996	1986	1966	

Sanborn® Library search results

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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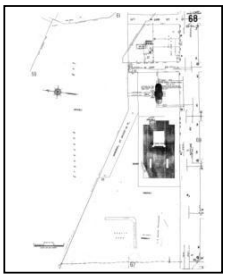
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets

Volume 18, Sheet 67
2007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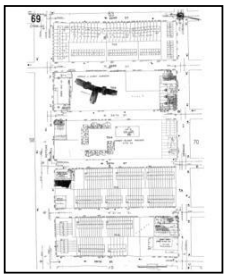
2007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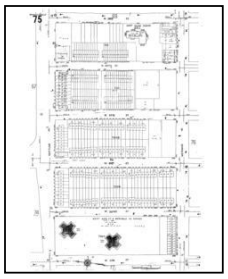
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2007

2006 Source Sheets

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2006

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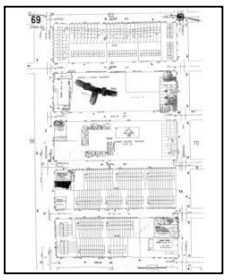
2006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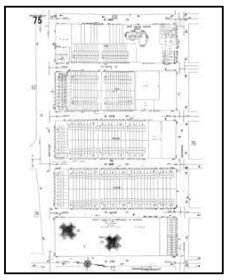
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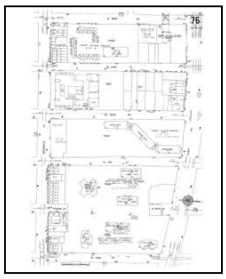
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2005 Source Sheets

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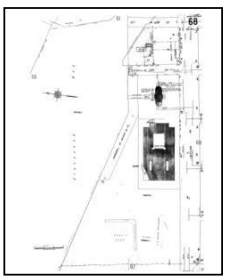
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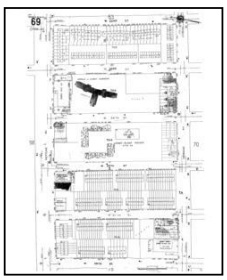
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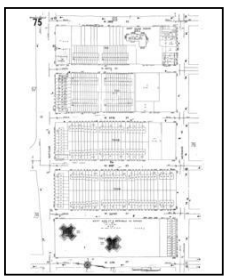
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Sanborn Sheet Key

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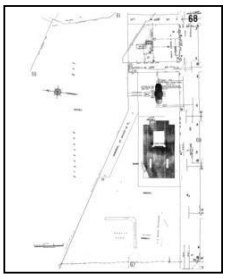
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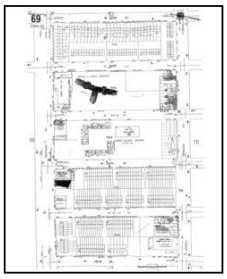
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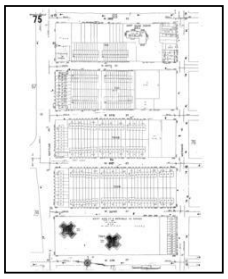
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2003 Source Sheets

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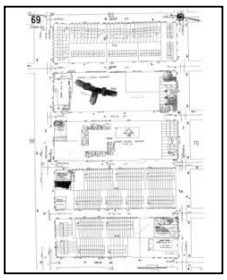
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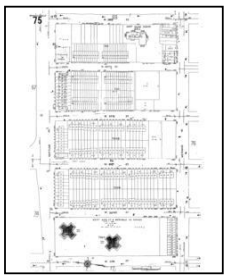
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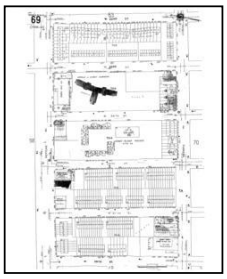
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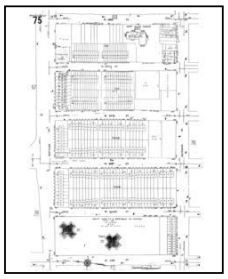
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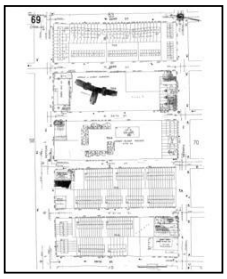
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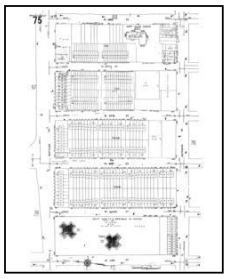
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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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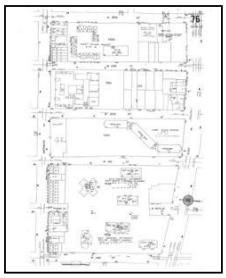

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2001

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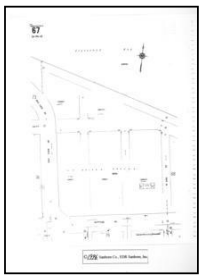

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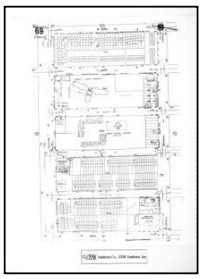

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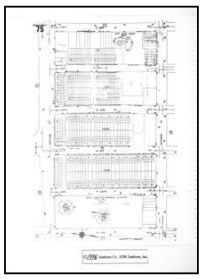

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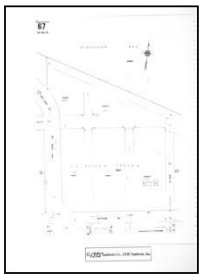

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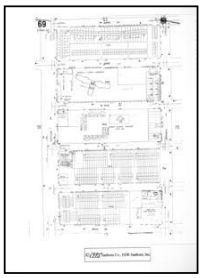

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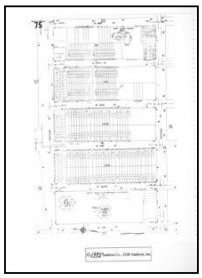

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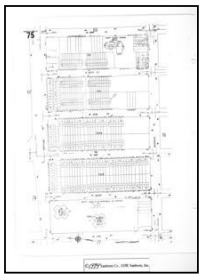

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Sanborn Sheet Key

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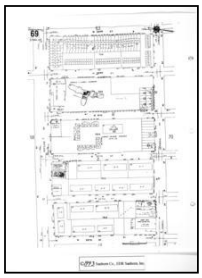
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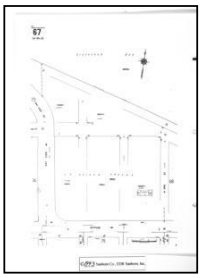
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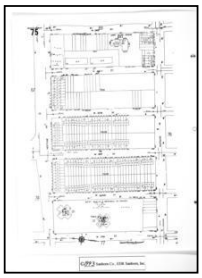
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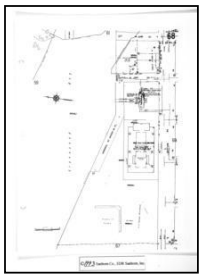
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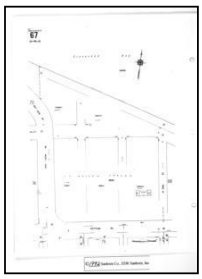
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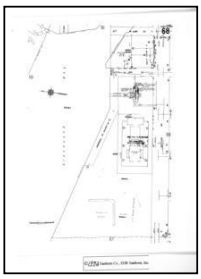
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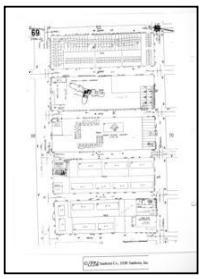
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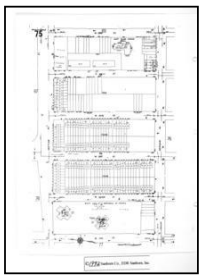
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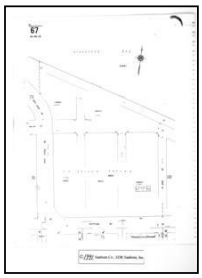
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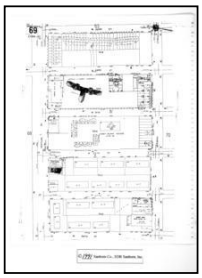
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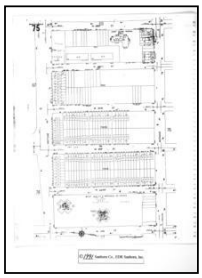
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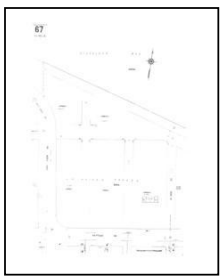
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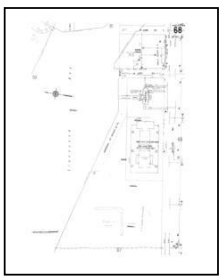
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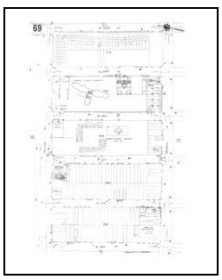
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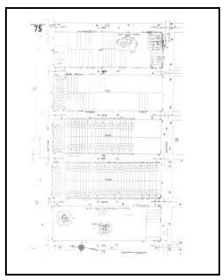
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Sanborn Sheet Key

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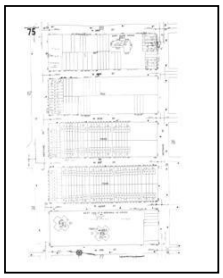
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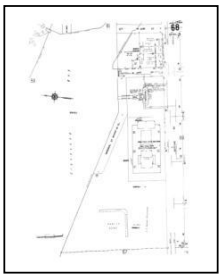
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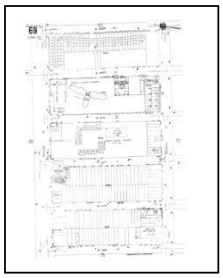
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1986 Source Sheets

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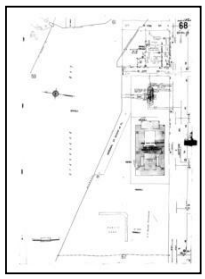
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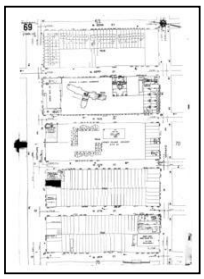
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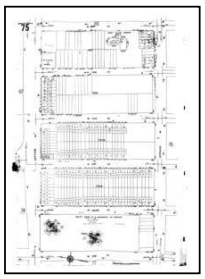
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1983 Source Sheets

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1983

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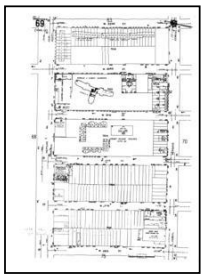
1983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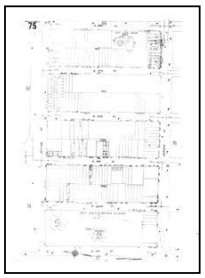
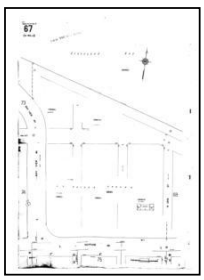
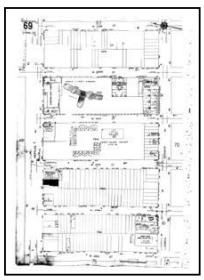

Volume 18, Sheet 75
1983

1982 Source Sheets


Volume 18, Sheet 67
1982

Volume 18, Sheet 68
1982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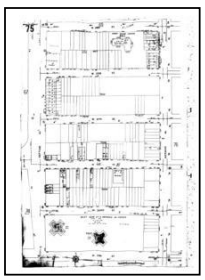
Volume 18, Sheet 75
1982

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1981 Source Sheets

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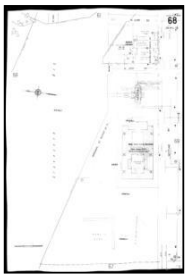
1981


Volume 18, Sheet 68
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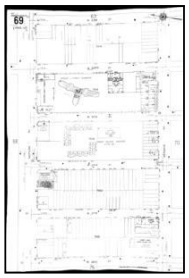
Volume 18, Sheet 69
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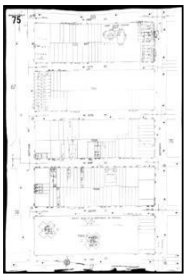
Volume 18, Sheet 75
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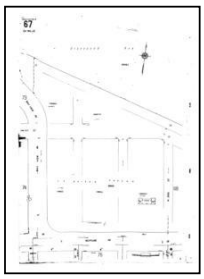
1980 Source Sheets


Volume 18, Sheet 67
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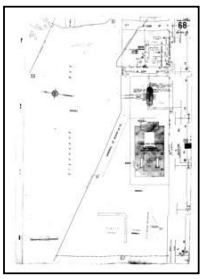
Volume 18, Sheet 68
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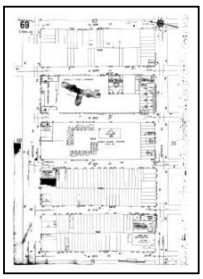
Volume 18, Sheet 69
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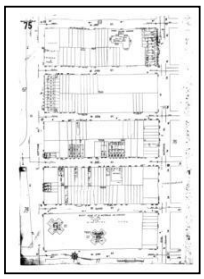
Volume 18, Sheet 75
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1979 Source Sheets

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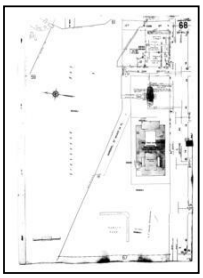
1979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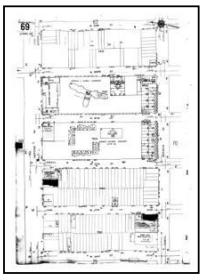
Volume 18, Sheet 69
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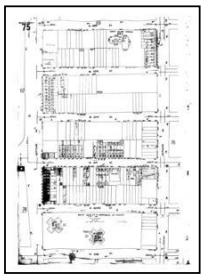
Volume 18, Sheet 75
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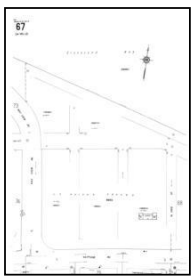
1977 Source Sheets


Volume 18, Sheet 67
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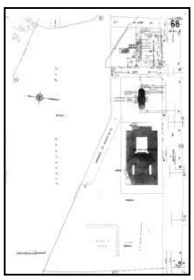
Volume 18, Sheet 68
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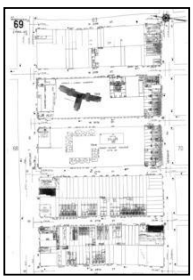
Volume 18, Sheet 69
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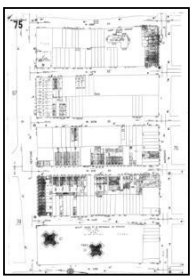
Volume 18, Sheet 75
1977

Sanborn Sheet Key

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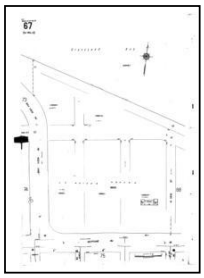
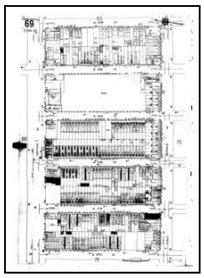
1968 Source Sheets


Volume 18, Sheet 67
1968

Volume 18, Sheet 68
1968


Volume 18, Sheet 69
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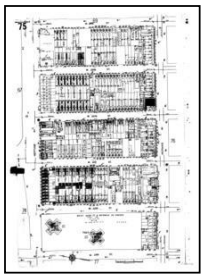
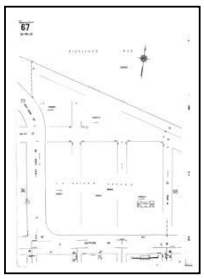
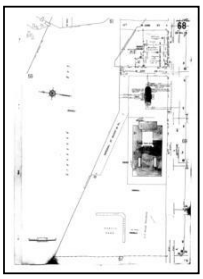

Volume 18, Sheet 75
1968

1966 Source Sheets


Volume 18, Sheet 67
1966


Volume 18, Sheet 68
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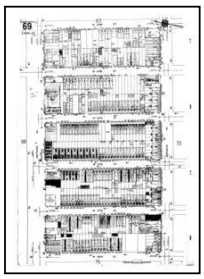
Volume 18, Sheet 69
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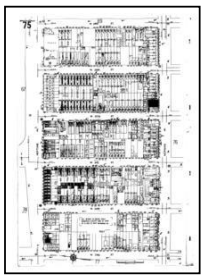
Volume 18, Sheet 75
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1950 Source Sheets

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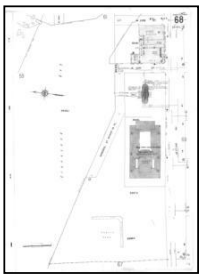
1950


Volume 18, Sheet 68
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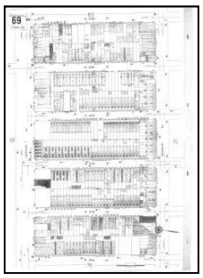
Volume 18, Sheet 69
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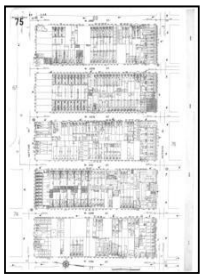
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1950

1930 Source Sheets

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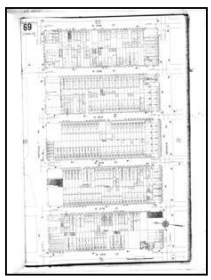
1930


Volume 18, Sheet 69
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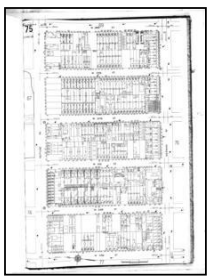
Volume 18, Sheet 75
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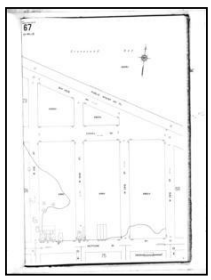
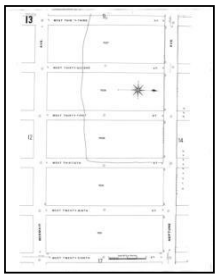

Volume 18, Sheet 67
1930

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1906 Source Sheets



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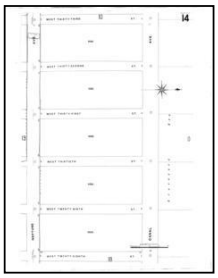
1906



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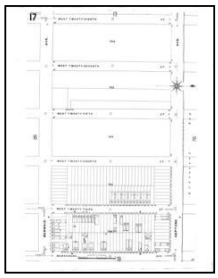
1906



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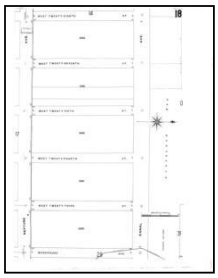

Volume 13, Sheet 18
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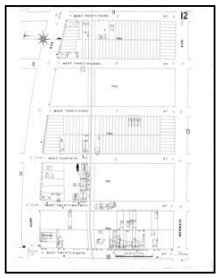

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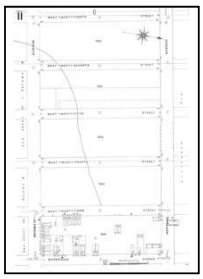
1905 Source Sheets



Volume B, Sheet 11
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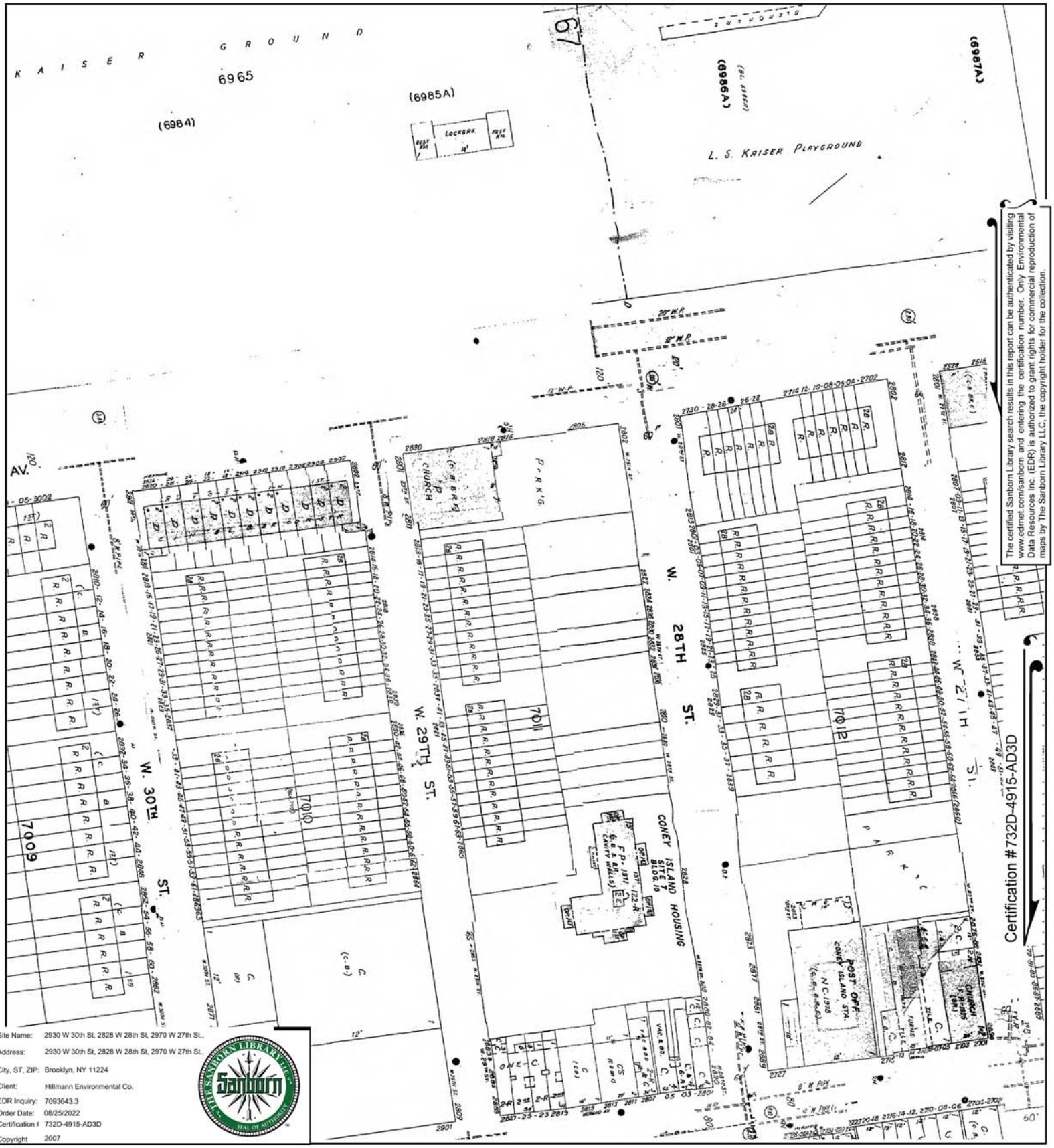

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Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	2007

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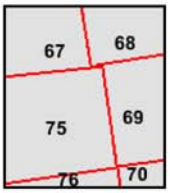

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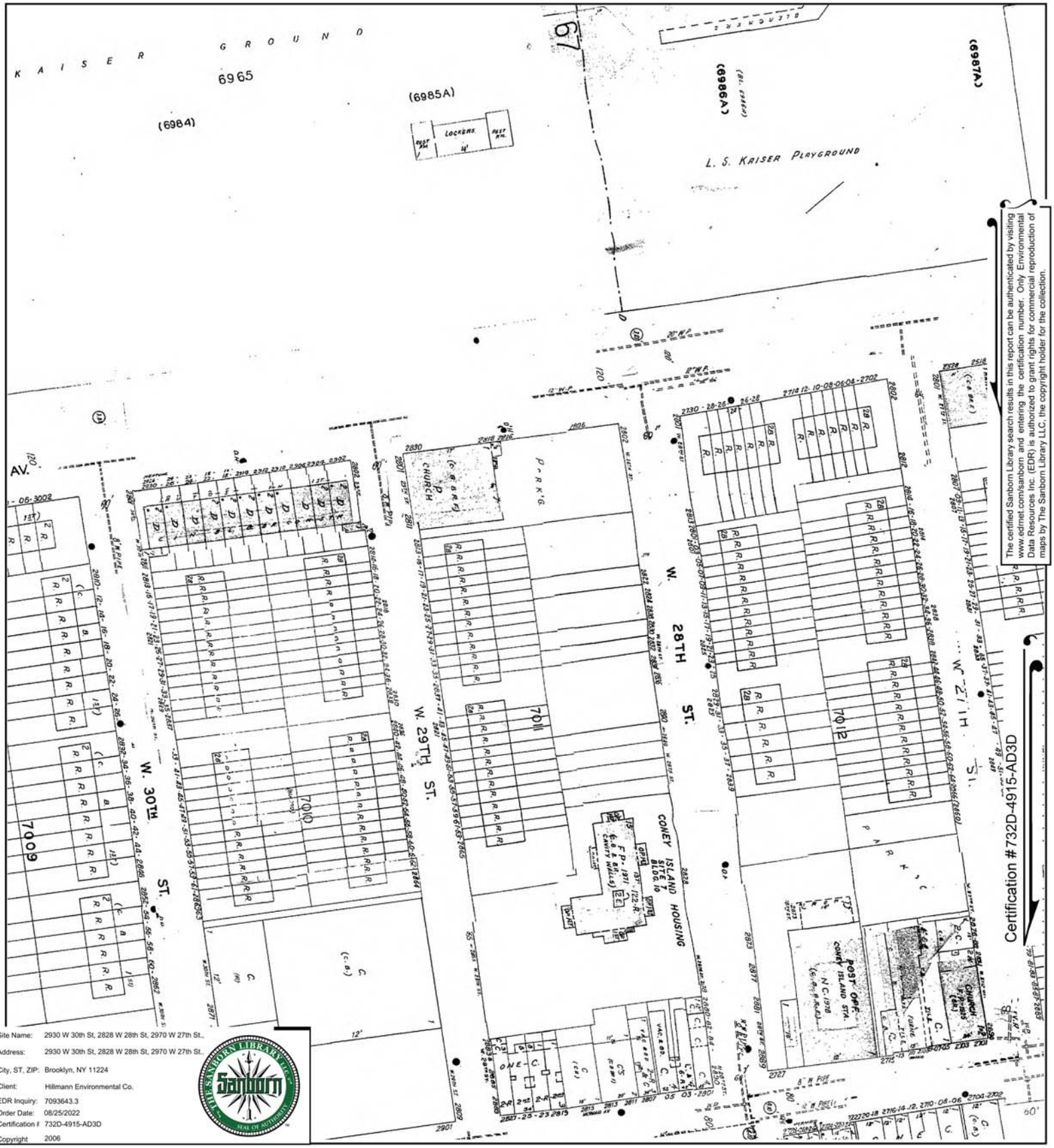
Volume 18, Sheet 68
Volume 18, Sheet 67

0 Feet 150 300 600

N

Certified Sanborn® Map

2006



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City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
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Copyright 2006

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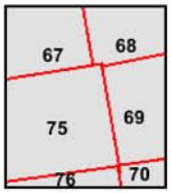

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Volume 18, Sheet 69
Volume 18, Sheet 68
Volume 18, Sheet 67

0 Feet 150 300 600

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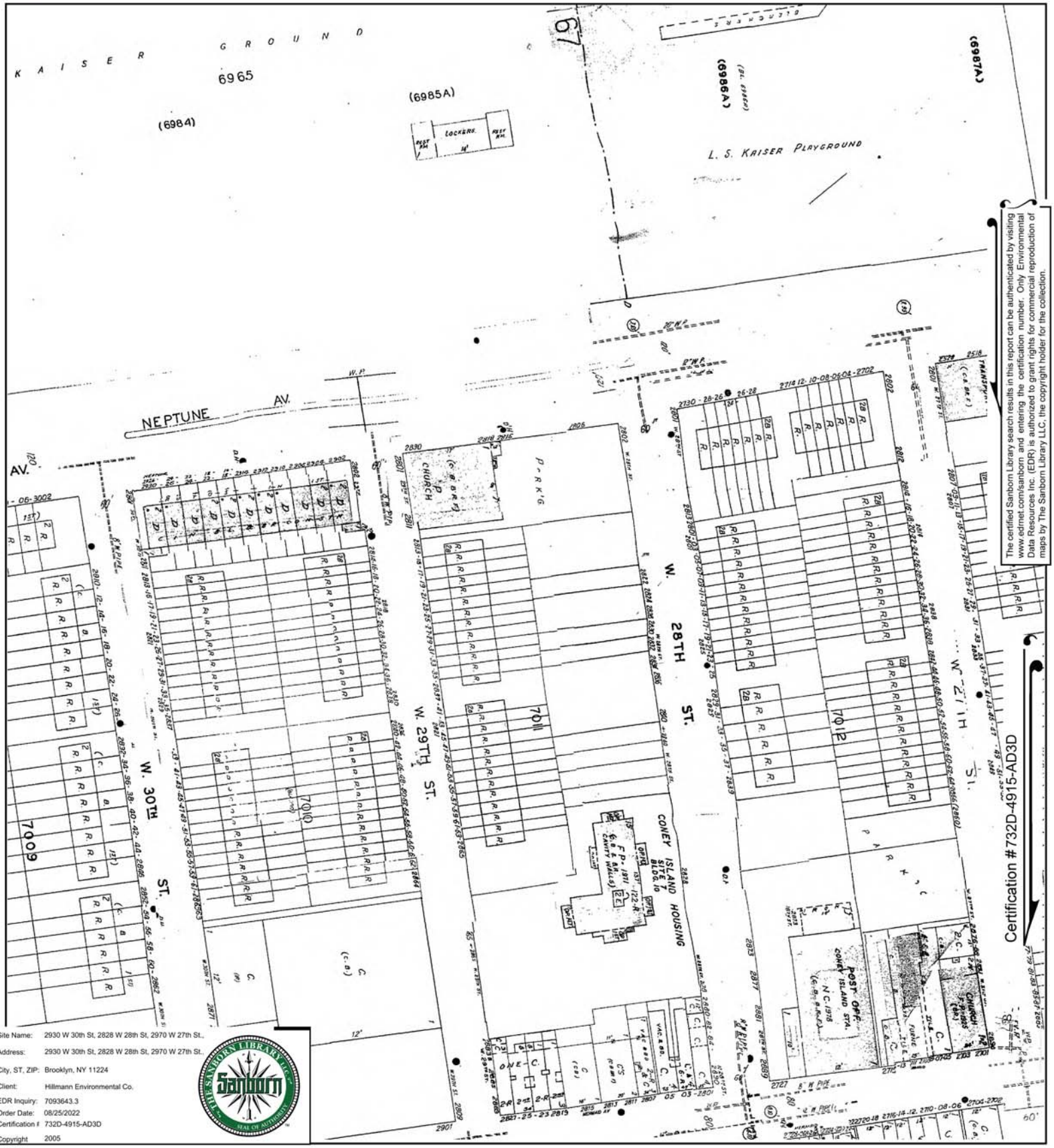

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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	2005

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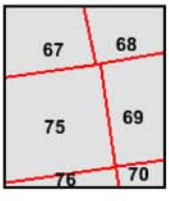

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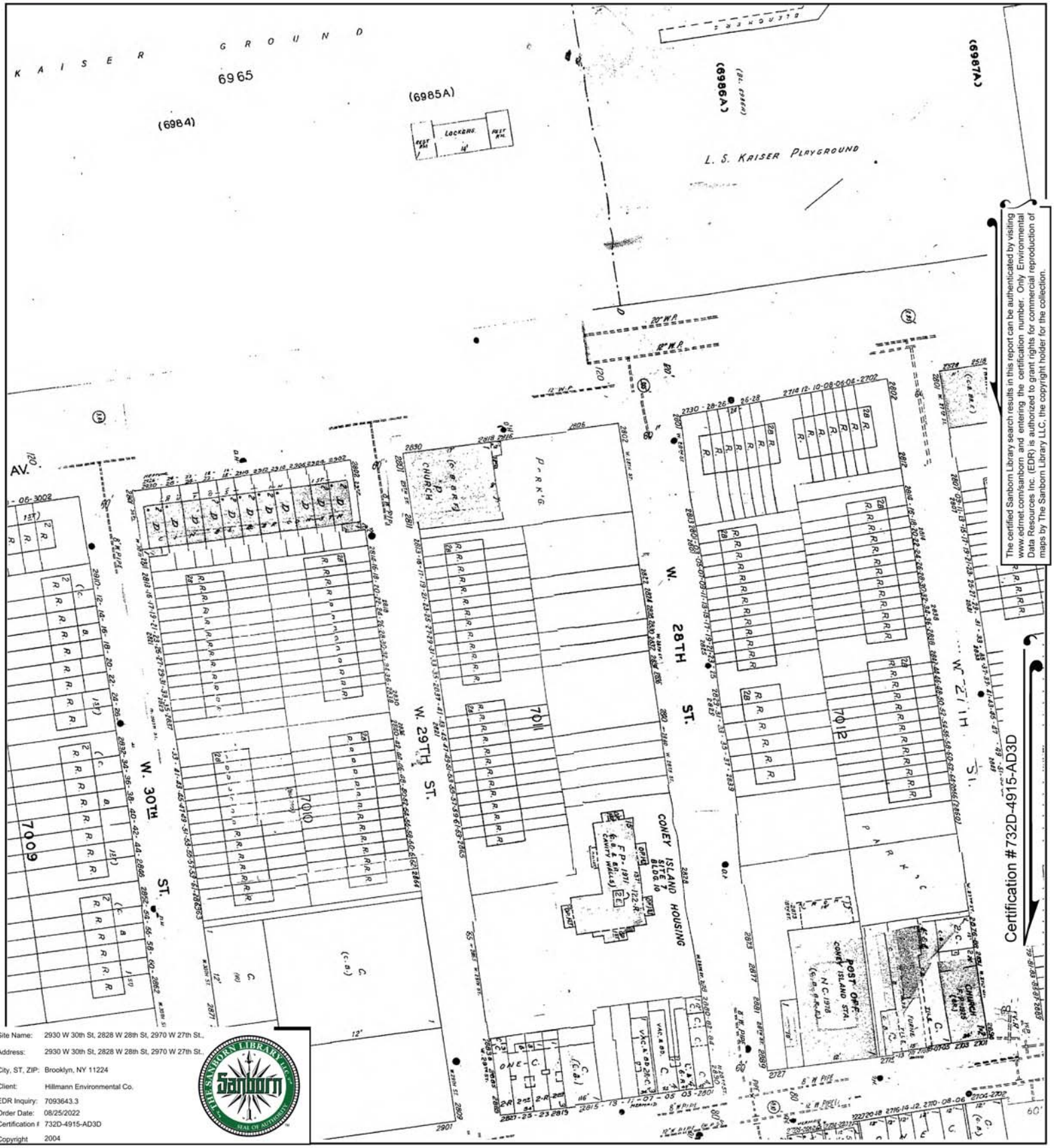
Volume 18, Sheet 67

0 Feet 150 300 600

N

Certified Sanborn® Map

2004



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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	2004

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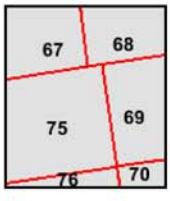

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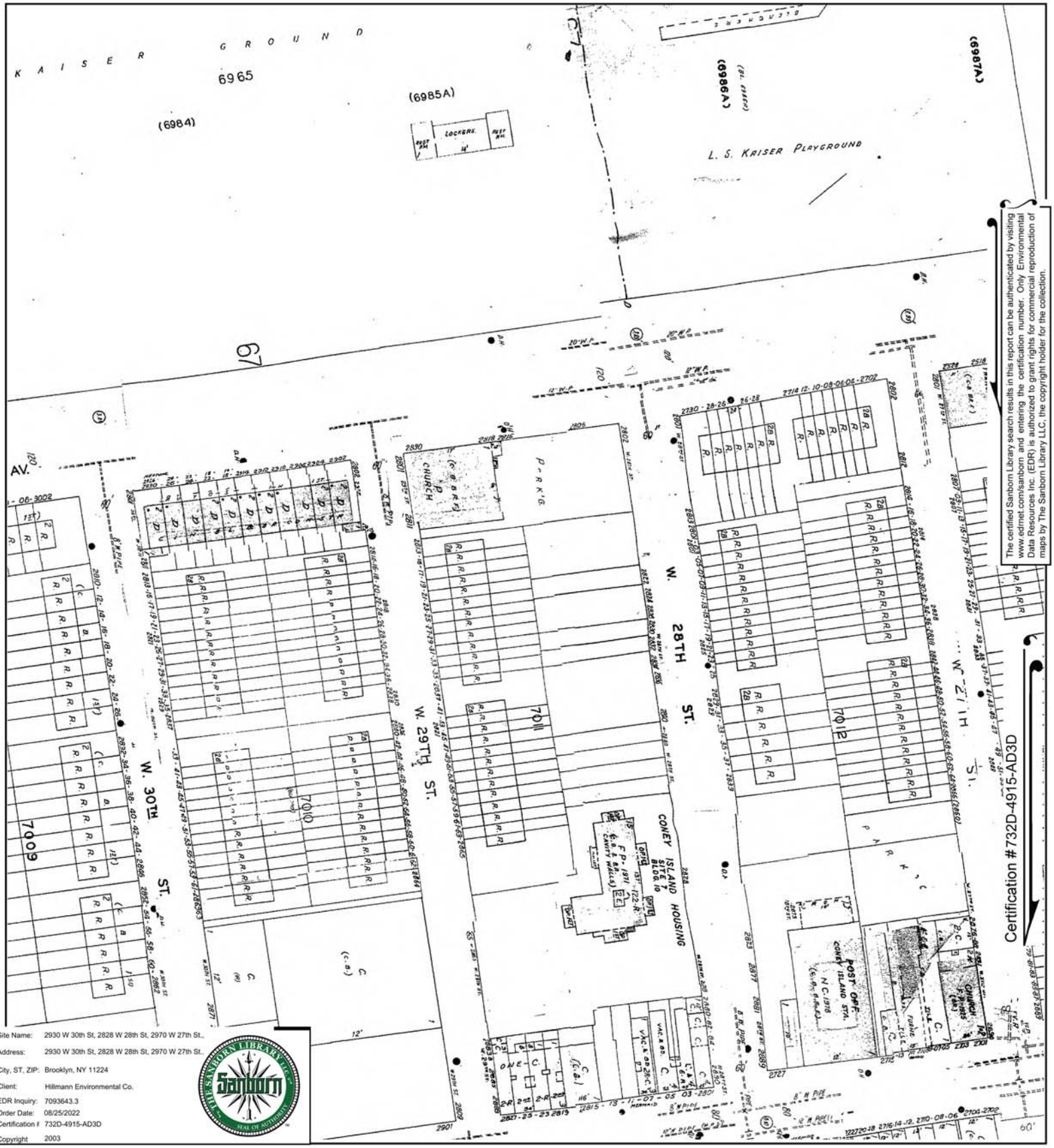
Volume 18, Sheet 68
Volume 18, Sheet 67

0 Feet 150 300 600

N

Certified Sanborn® Map

2003



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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
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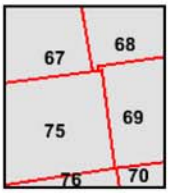

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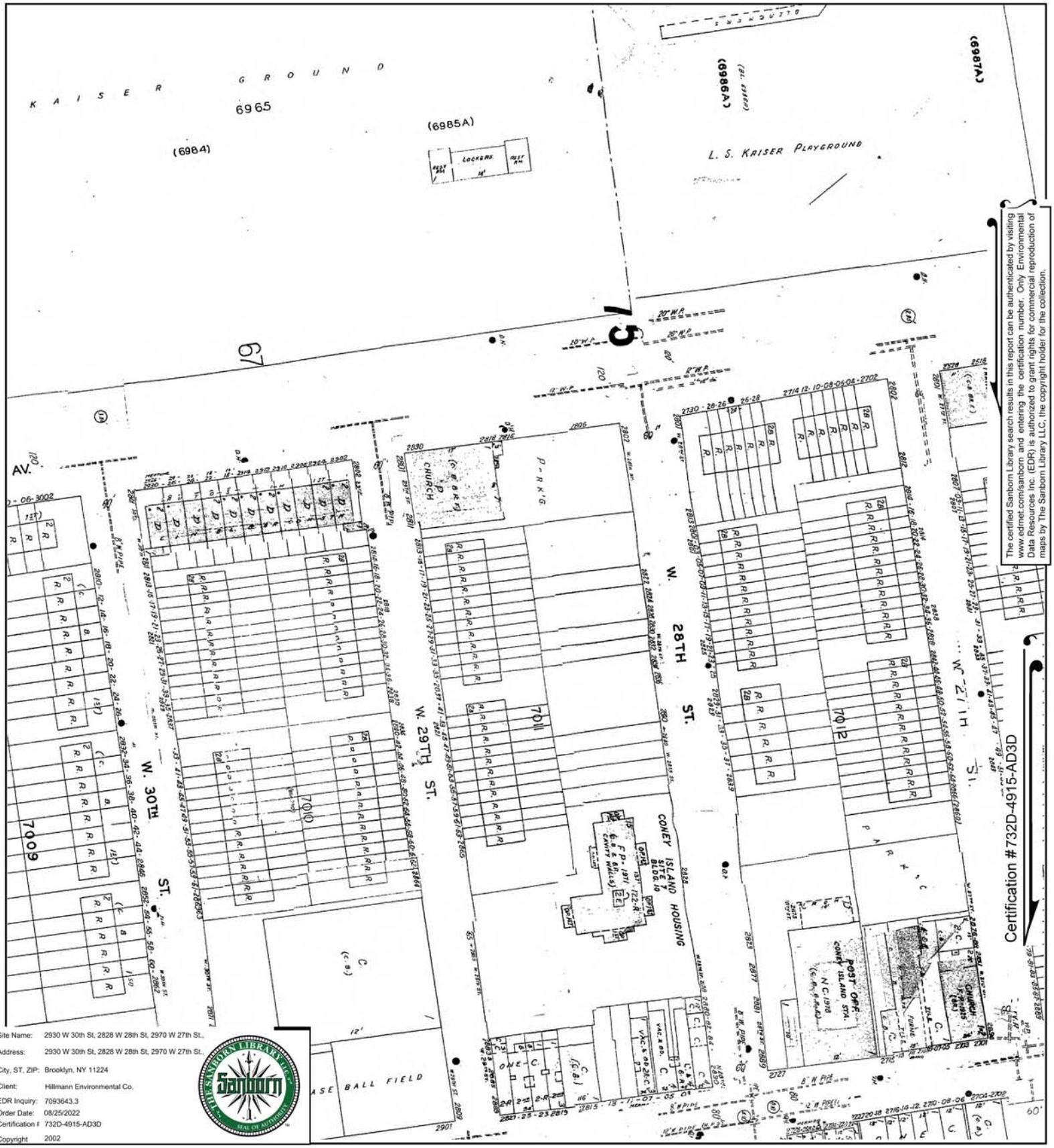

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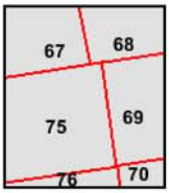

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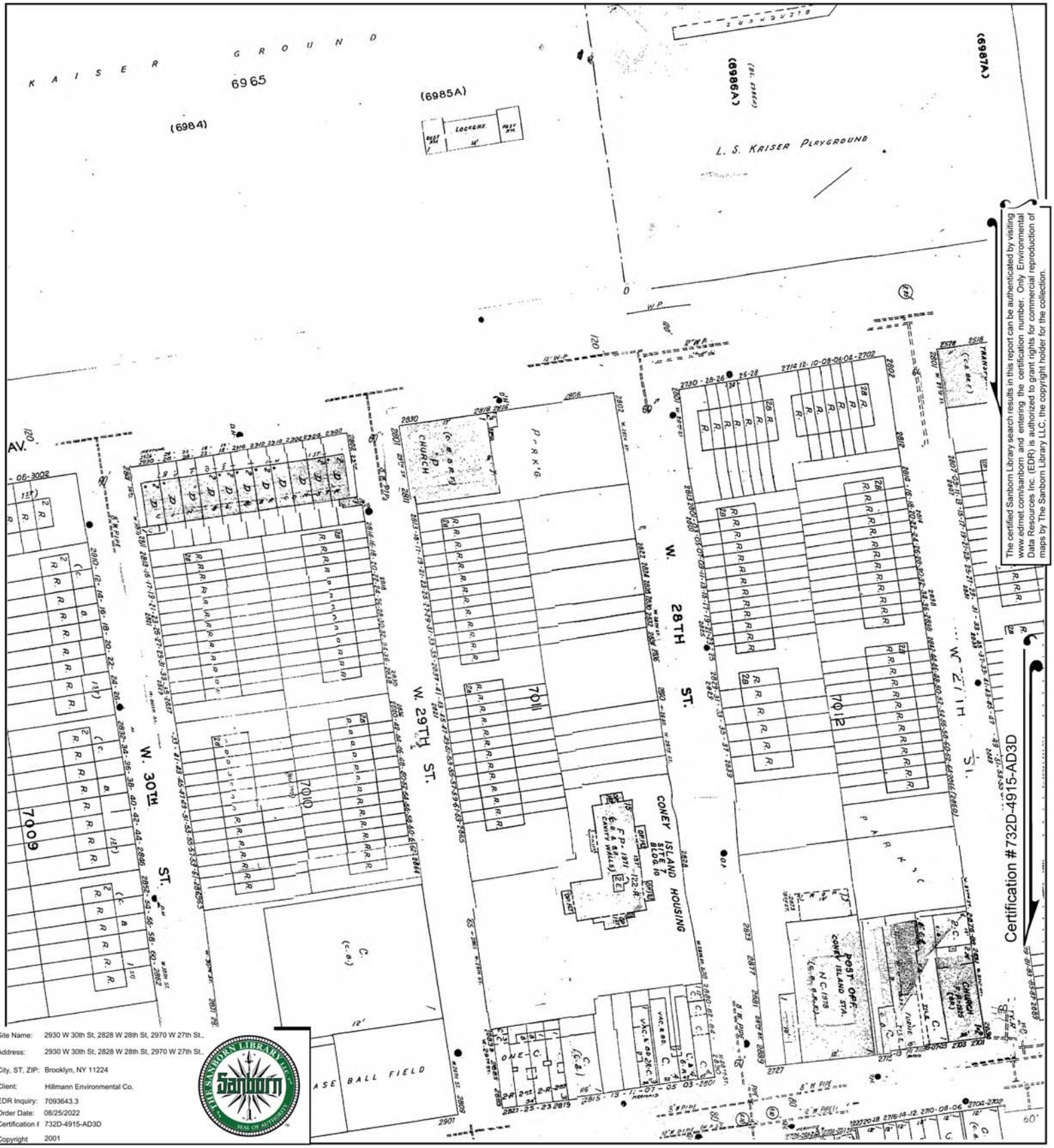

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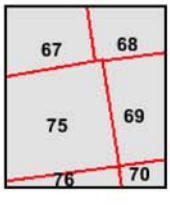

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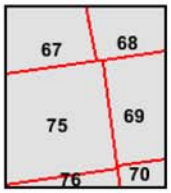

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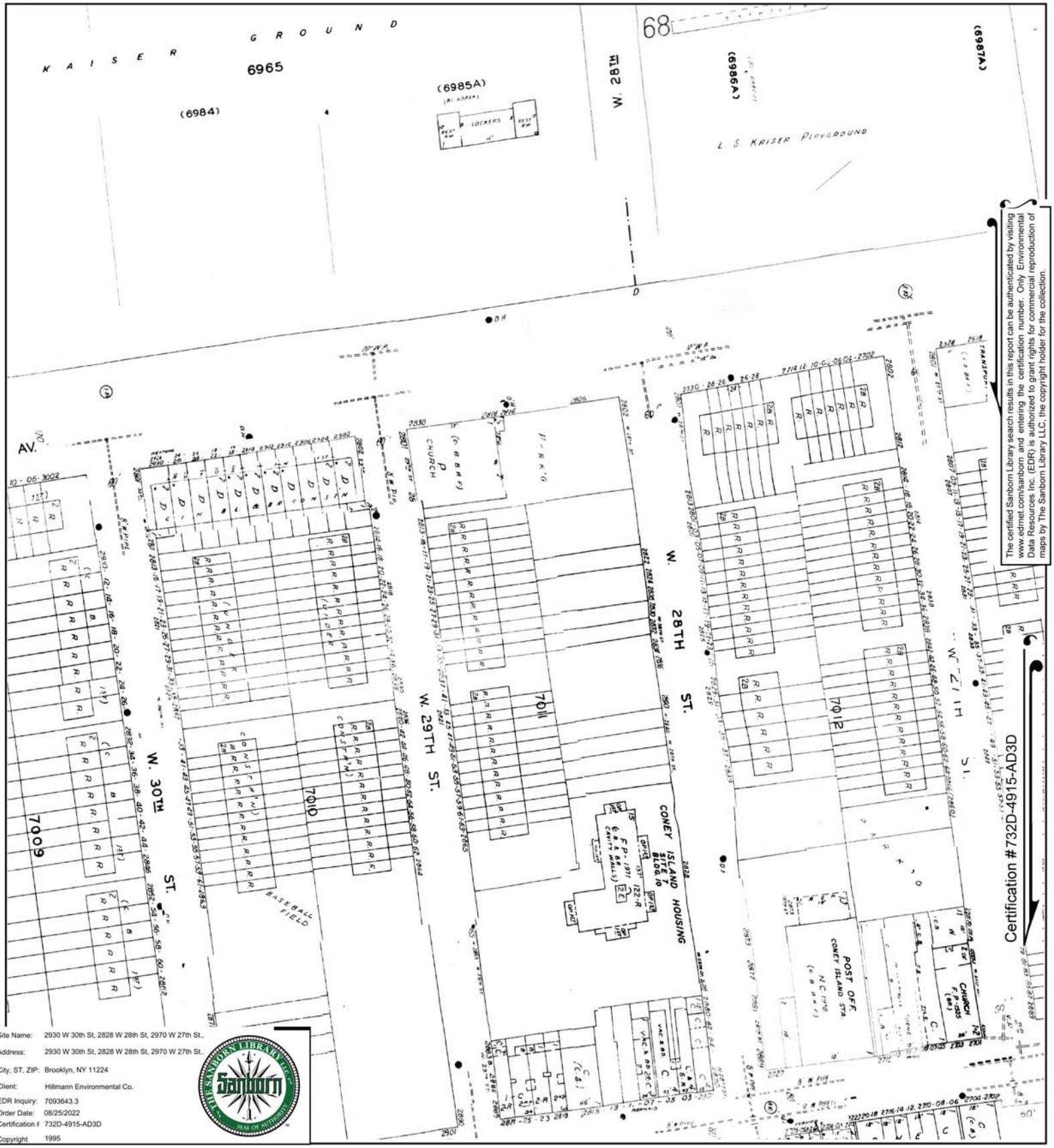

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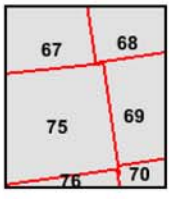

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Volume 18, Sheet 68
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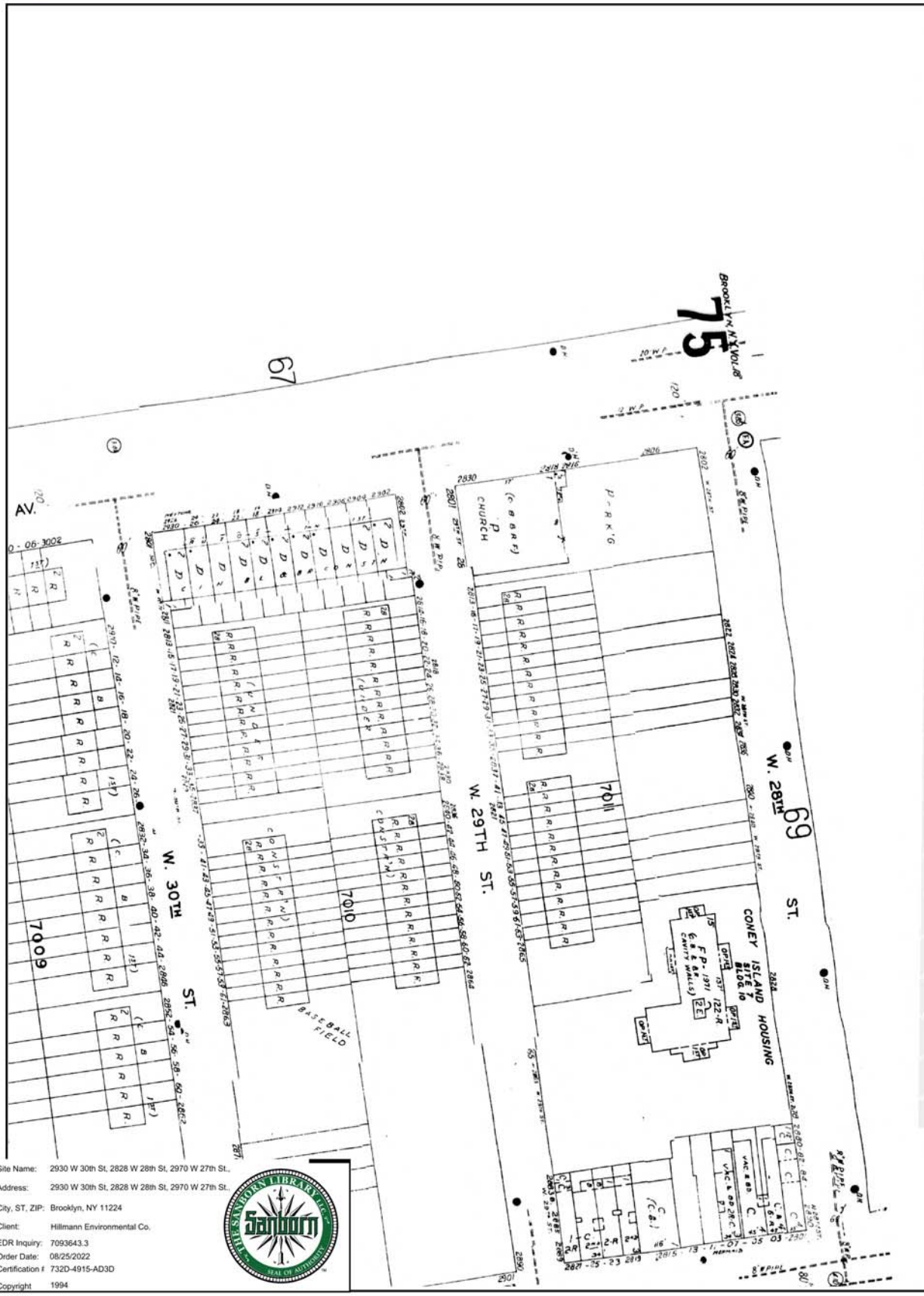

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
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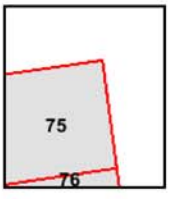

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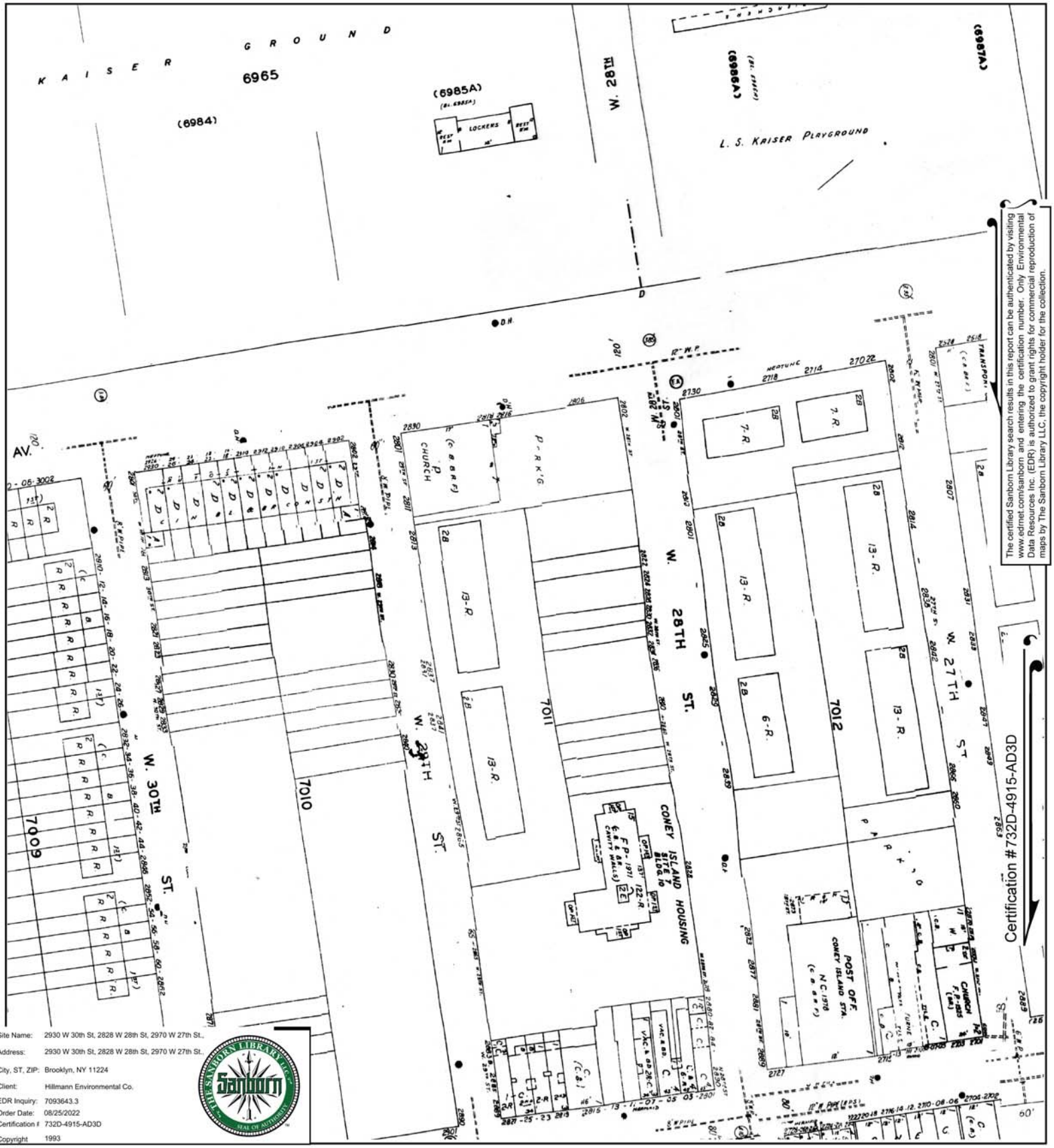

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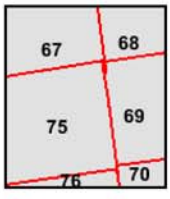

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Volume 18, Sheet 69

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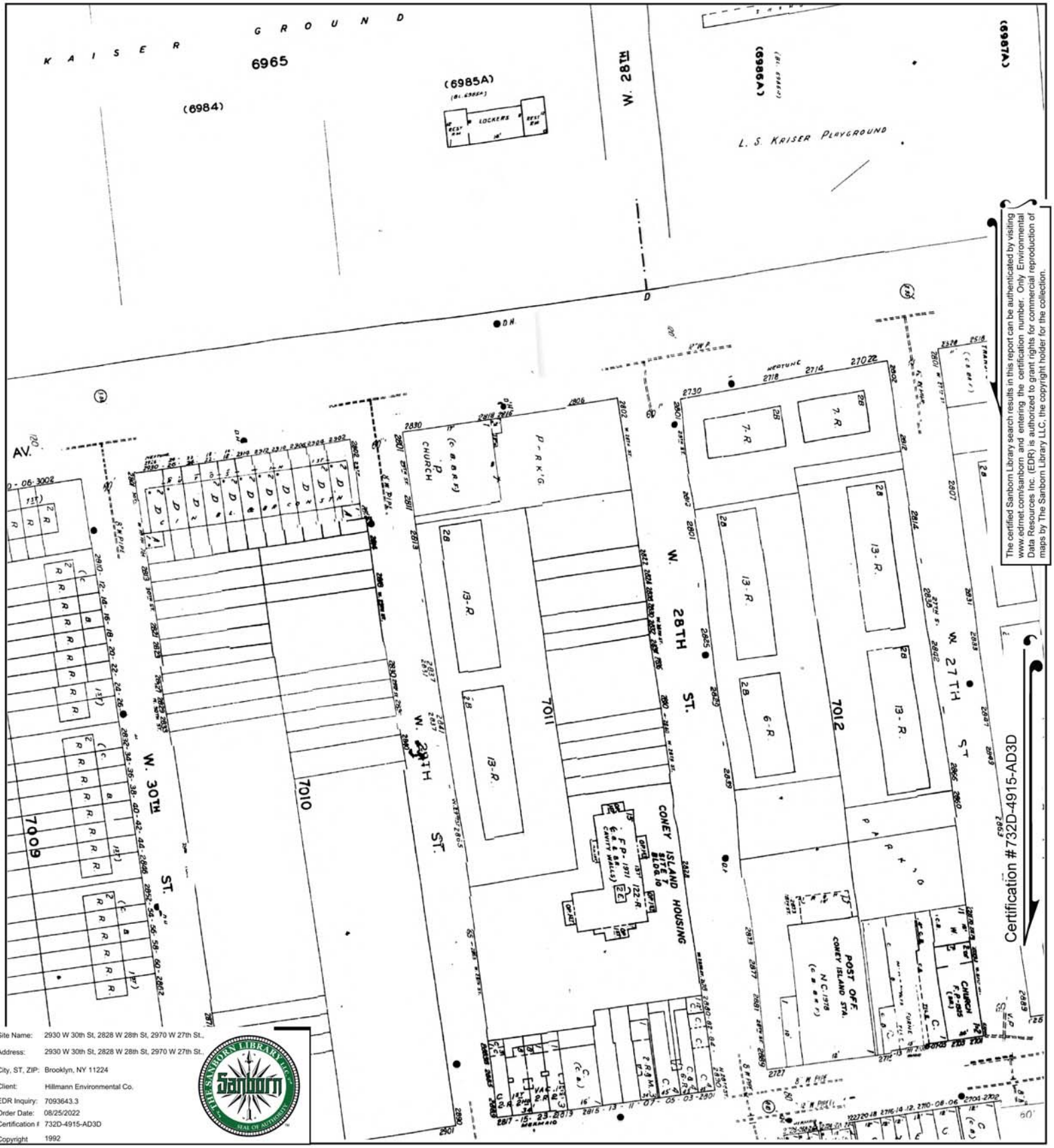
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D
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P-R-K'G.
W. 28TH ST.
W. 30TH ST.
W. 27TH ST
7009
7010
7011
7012
CONEY ISLAND HOUSING
SITE 1
BLDG 10
POST OFF.
CONEY ISLAND STA.
CHURCH
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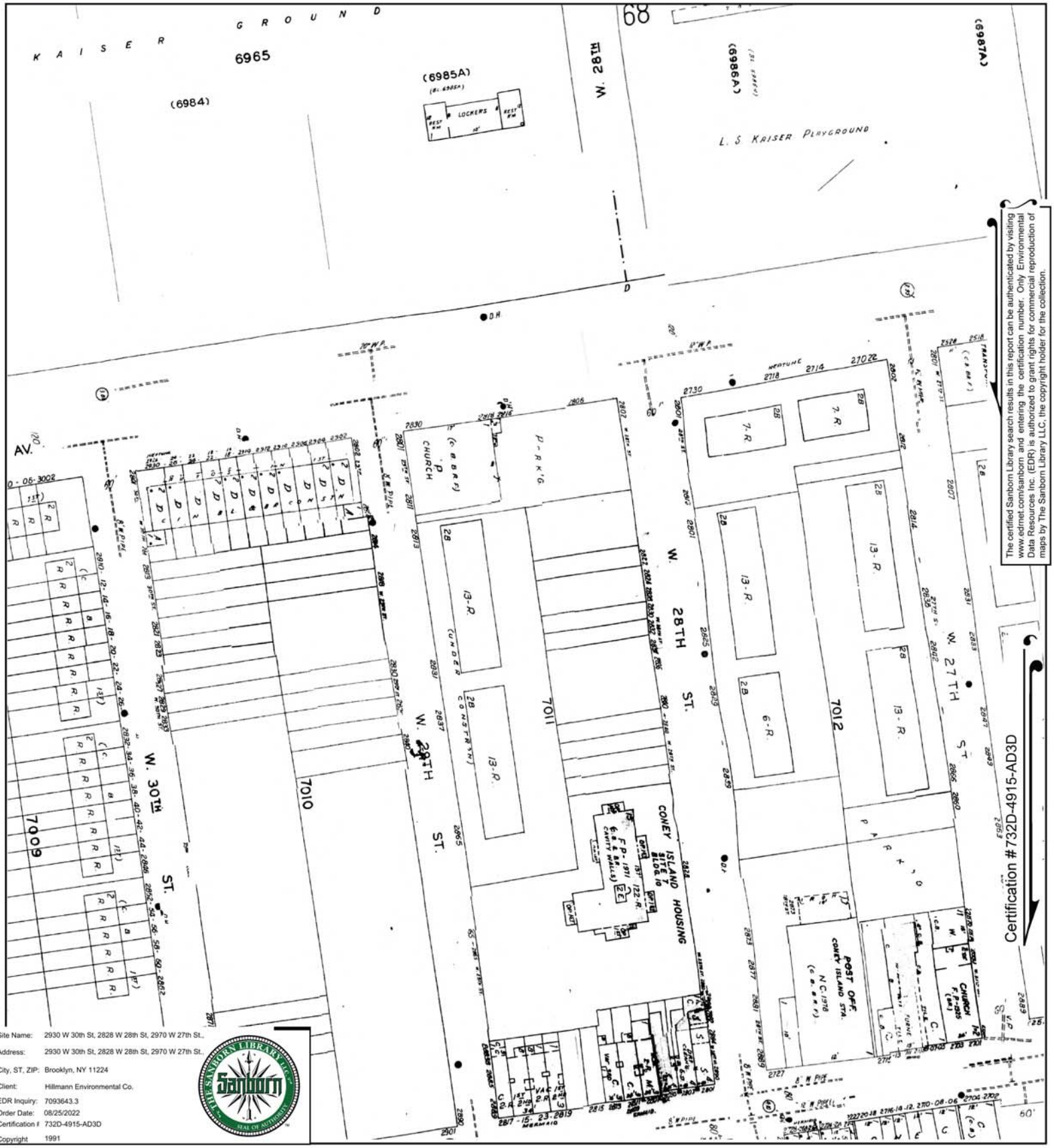
1991



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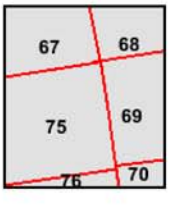

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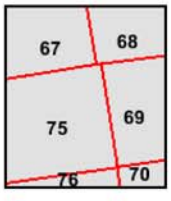

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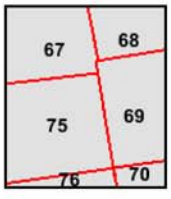

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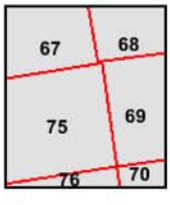

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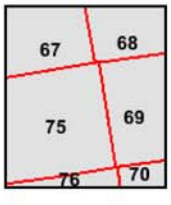

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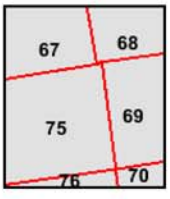

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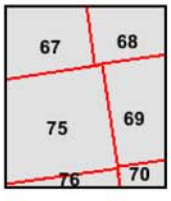

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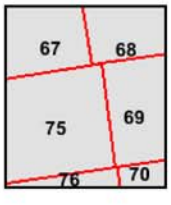

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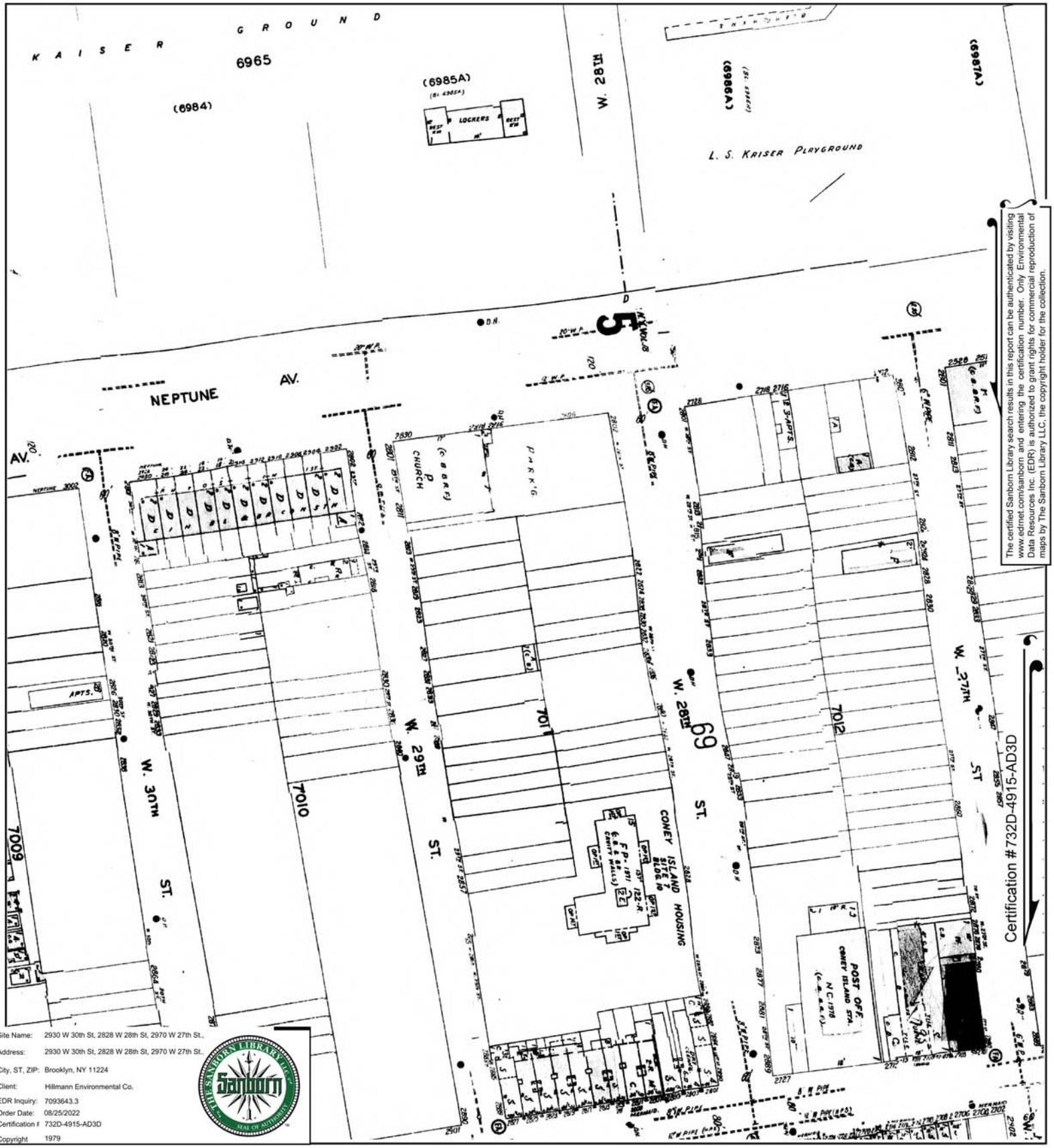

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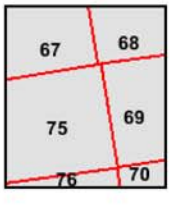

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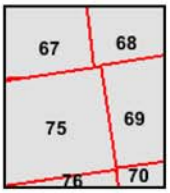

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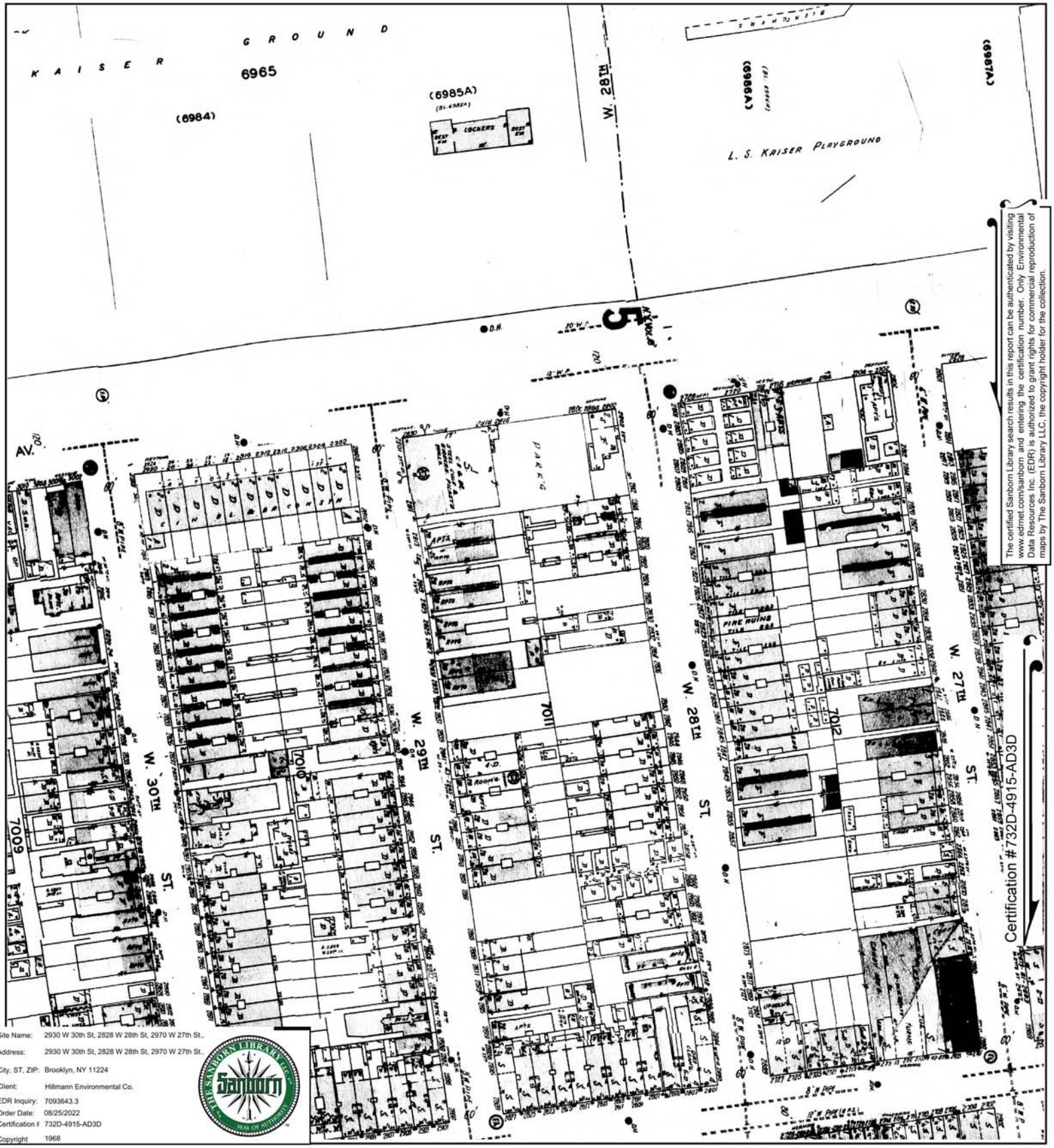

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Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
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Copyright 1968

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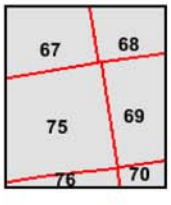

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Volume 18, Sheet 68
Volume 18, Sheet 67

0 Feet 150 300 600

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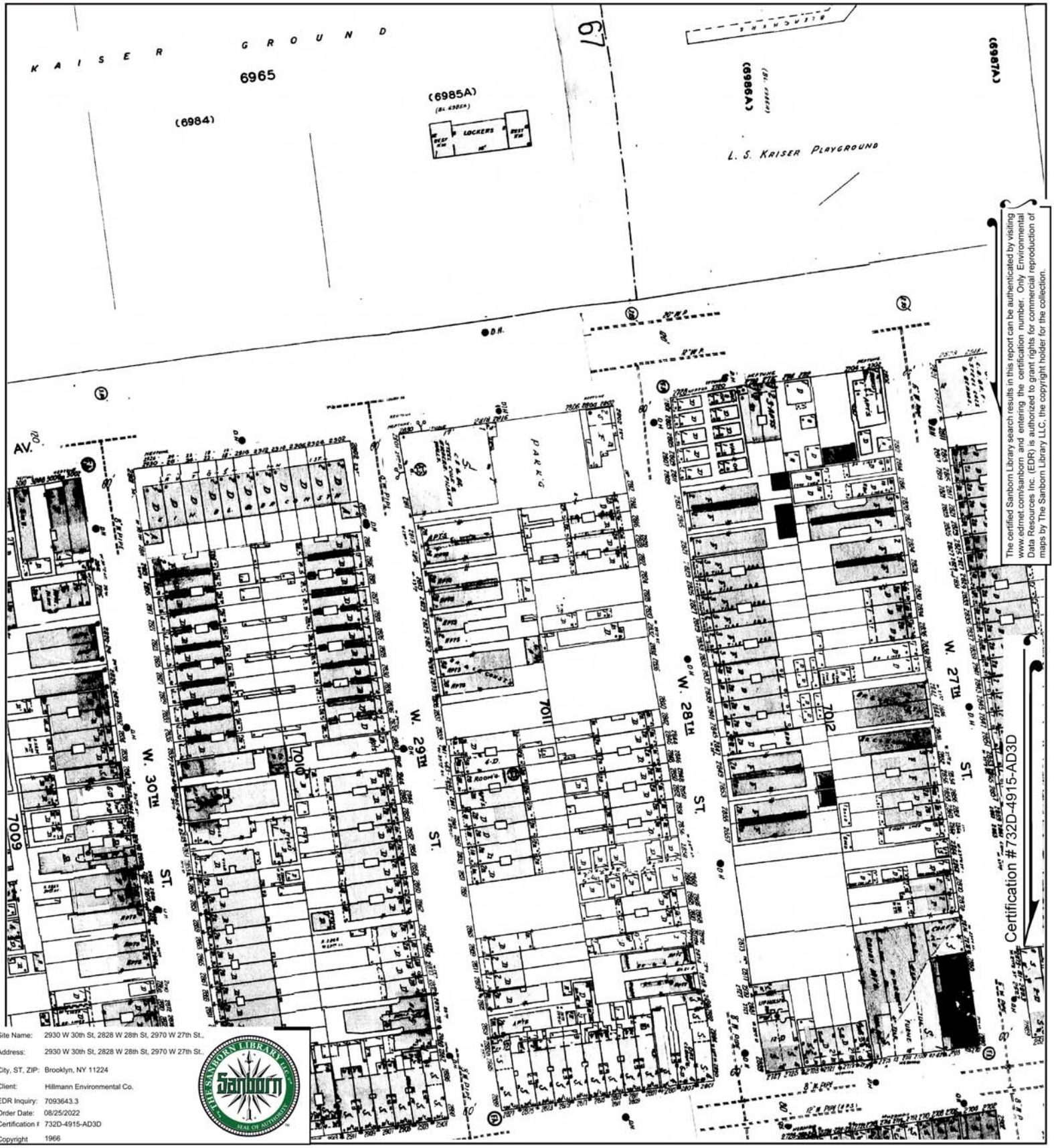

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
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Copyright 1966

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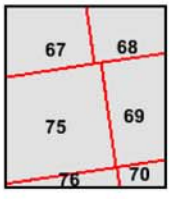

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Volume 18, Sheet 68
Volume 18, Sheet 67

0 Feet 150 300 600

N

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City, ST, ZIP: Brooklyn, NY 11224
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Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1950

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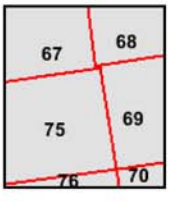

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Volume 18, Sheet 67

0 Feet 150 300 600

N

Certified Sanborn® Map

1930

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Site Name:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.
Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1930

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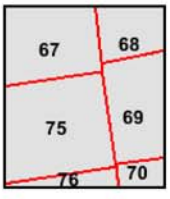

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Volume 18, Sheet 75
Volume 18, Sheet 69
Volume 18, Sheet 68

N

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright: 1906

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Volume 13, Sheet 12
Volume 13, Sheet 18
Volume 13, Sheet 17
Volume 13, Sheet 14
Volume 13, Sheet 13

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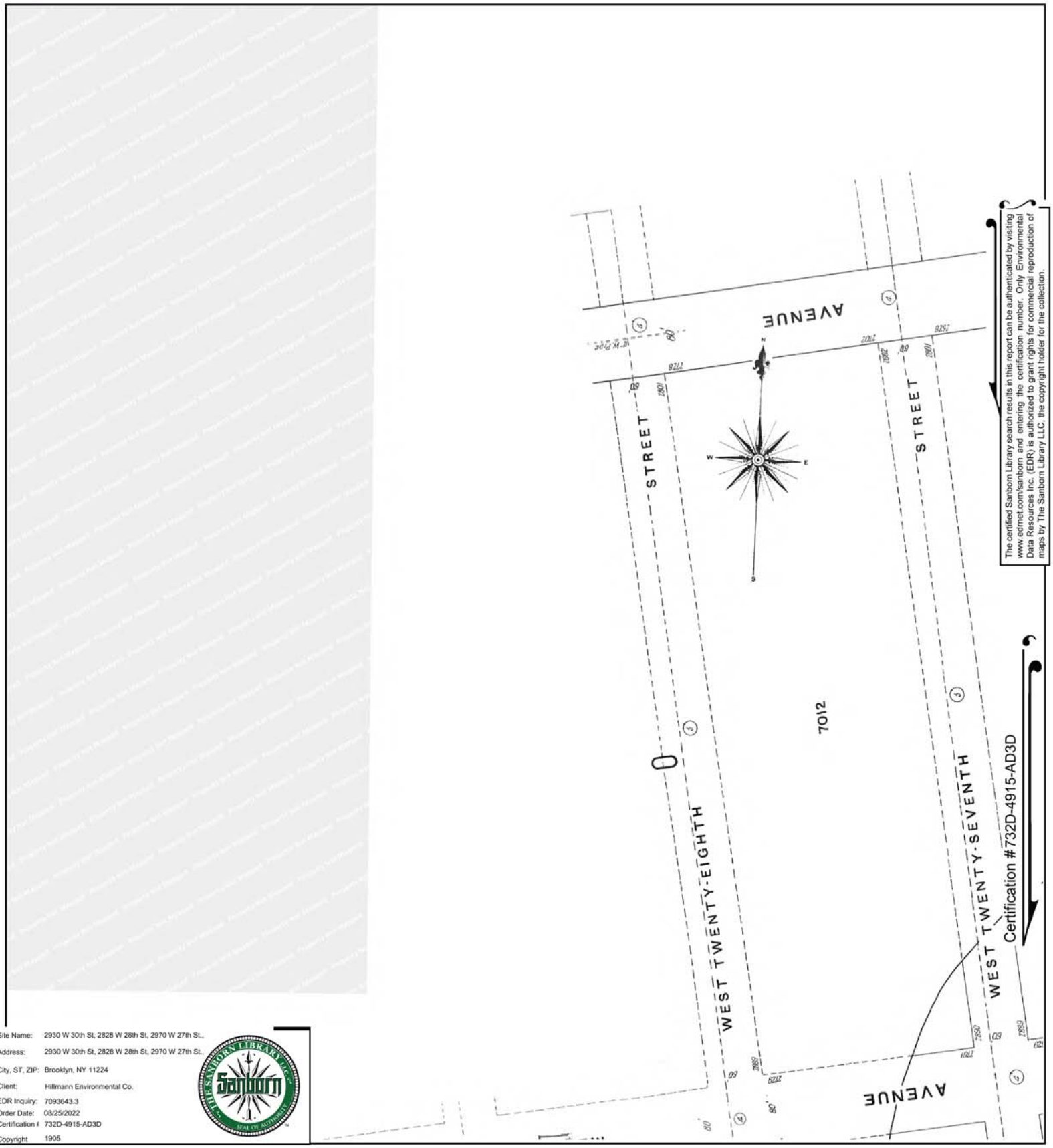

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright: 1905

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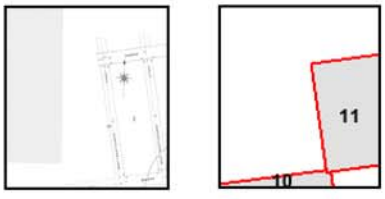
Volume B, Sheet 11



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2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hillmann Environmental Co. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1982	1930
2006	1993	1981	1906
2005	1992	1980	1905
2004	1991	1979	1895
2003	1989	1977	
2002	1987	1968	
2001	1986	1966	
1996	1983	1950	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Sanborn Sheet Key

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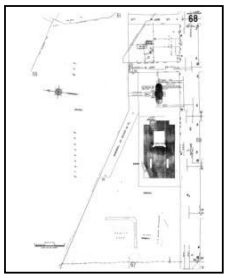
2007 Source Sheets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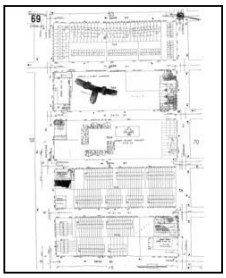
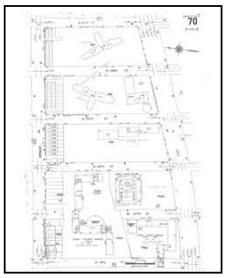
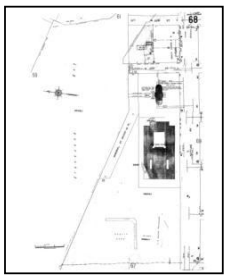
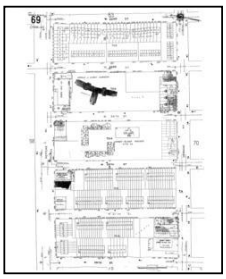
2007

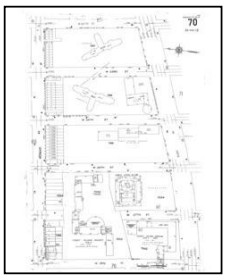

Volume 18, Sheet 69
2007


Volume 18, Sheet 70
2007

2006 Source Sheets


Volume 18, Sheet 68
2006


Volume 18, Sheet 69
2006


Volume 18, Sheet 70
2006

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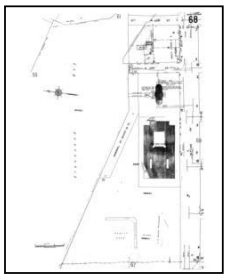
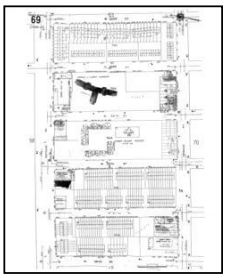

Volume 18, Sheet 68
2005


Volume 18, Sheet 69
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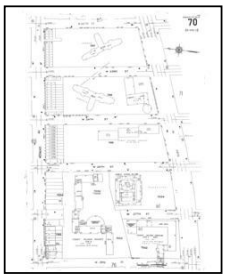
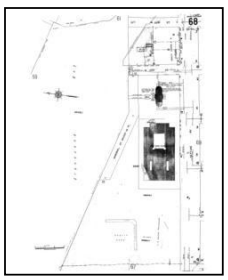

Volume 18, Sheet 70
2005

2004 Source Sheets


Volume 18, Sheet 68
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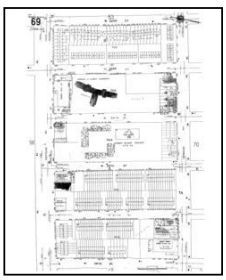
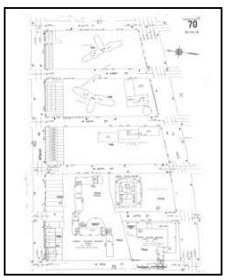

Volume 18, Sheet 69
2004


Volume 18, Sheet 70
2004

Sanborn Sheet Key

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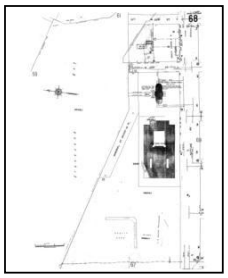
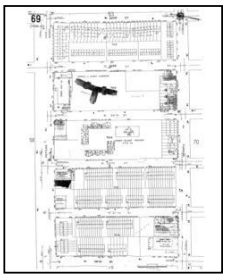
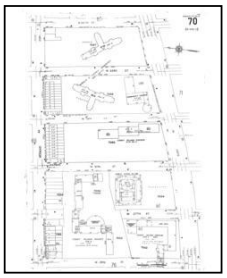


Volume 18, Sheet 68
2003

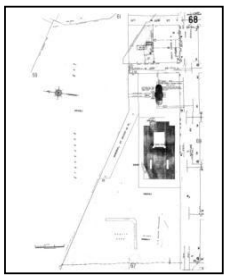


Volume 18, Sheet 69
2003

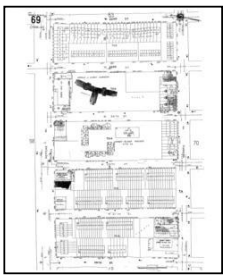


Volume 18, Sheet 70
2003

2002 Source Sheets



Volume 18, Sheet 68
2002



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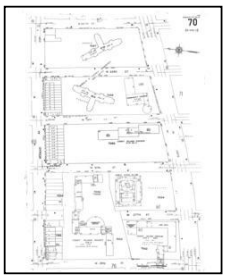
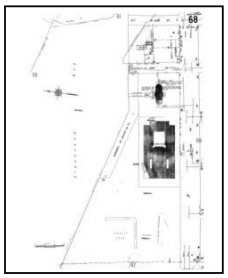


Volume 18, Sheet 70
2002

2001 Source Sheets



Volume 18, Sheet 68
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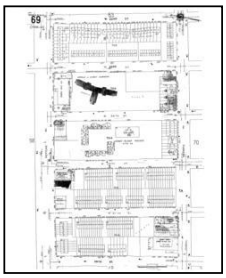

Volume 18, Sheet 69
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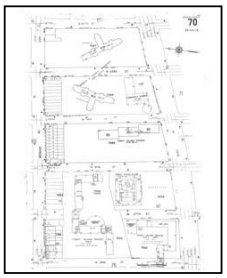

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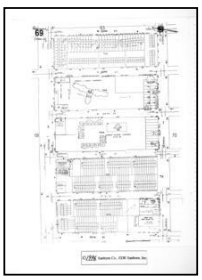
2001

1996 Source Sheets

Volume 18, Sheet 68
1996



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1996

Volume 18, Sheet 70
1996

Sanborn Sheet Key

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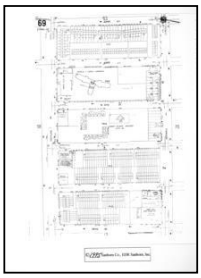
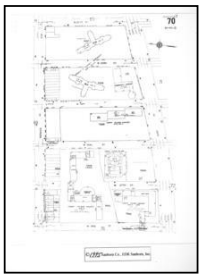
1995 Source Sheets

Volume 18, Sheet 68
1995



Volume 18, Sheet 69
1995



Volume 18, Sheet 70
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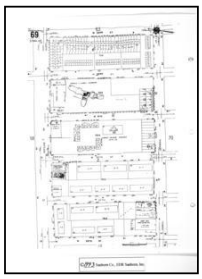
1993 Source Sheets



Volume 18, Sheet 69
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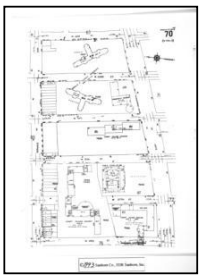

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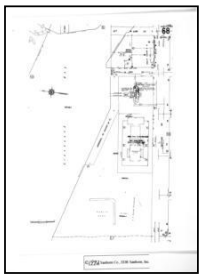
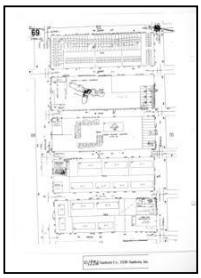
1993

Volume 18, Sheet 68
1993

1992 Source Sheets



Volume 18, Sheet 68
1992



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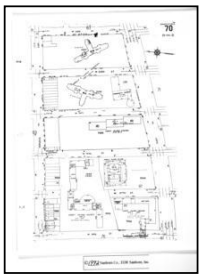
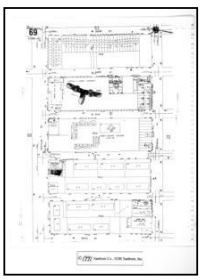
1992



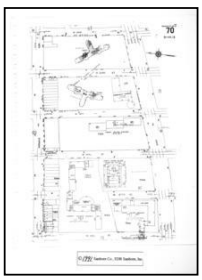
Volume 18, Sheet 70
1992

1991 Source Sheets

Volume 18, Sheet 68
1991



Volume 18, Sheet 69
1991



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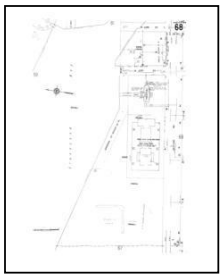
1991

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1989 Source Sheets


Volume 18, Sheet 68
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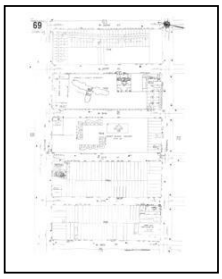
Volume 18, Sheet 69
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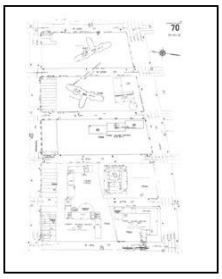
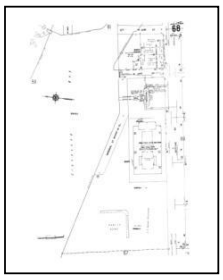

Volume 18, Sheet 70
1989

1987 Source Sheets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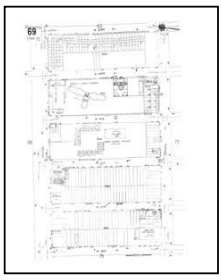
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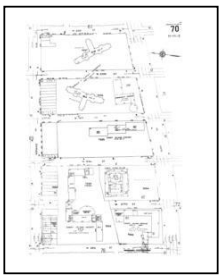
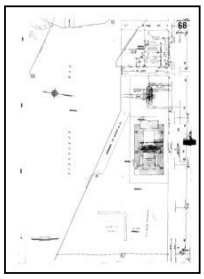

Volume 18, Sheet 70
1987

1986 Source Sheets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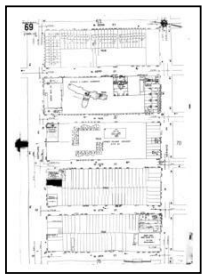
Volume 18, Sheet 69
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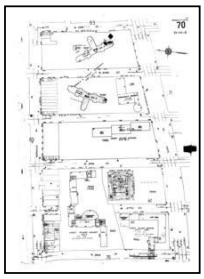
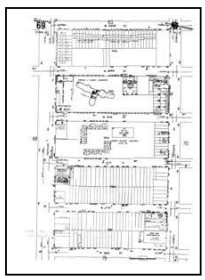

Volume 18, Sheet 70
1986

1983 Source Sheets

Volume 18, Sheet 68
1983


Volume 18, Sheet 69
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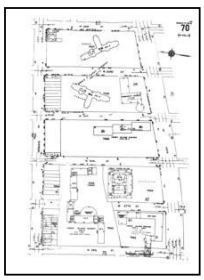
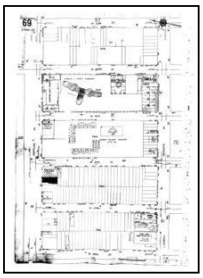

Volume 18, Sheet 70
1983

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1982 Source Sheets

Volume 18, Sheet 68
1982


Volume 18, Sheet 69
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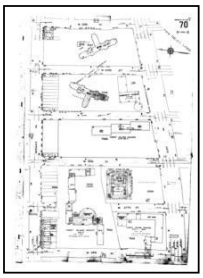
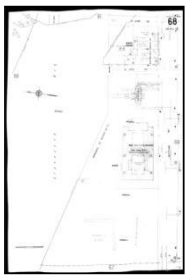
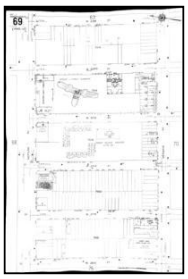

Volume 18, Sheet 70
1982

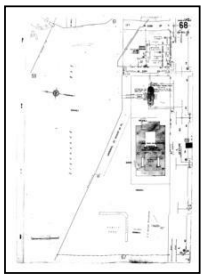
1981 Source Sheets


Volume 18, Sheet 68
1981


Volume 18, Sheet 69
1981

Volume 18, Sheet 70
1981

1980 Source Sheets


Volume 18, Sheet 68
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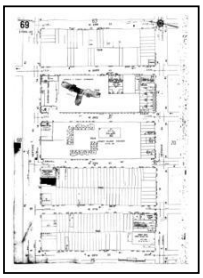
Volume 18, Sheet 69
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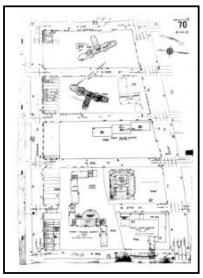
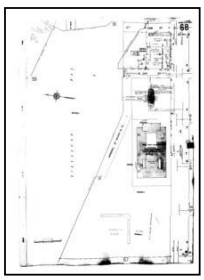
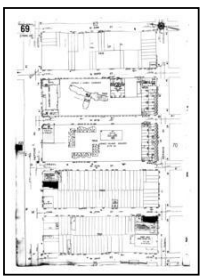

Volume 18, Sheet 70
1980

1979 Source Sheets


Volume 18, Sheet 68
1979


Volume 18, Sheet 69
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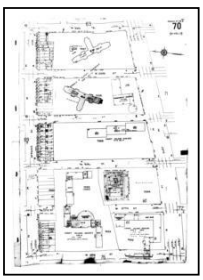
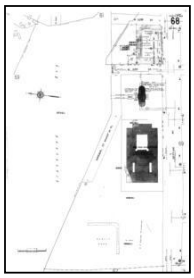

Volume 18, Sheet 70
1979

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1977 Source Sheets


Volume 18, Sheet 68
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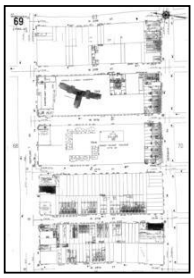
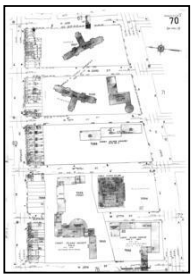

Volume 18, Sheet 69
1977


Volume 18, Sheet 70
1977

1968 Source Sheets

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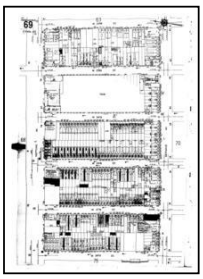
1968


Volume 18, Sheet 69
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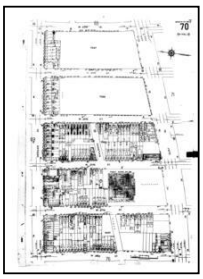
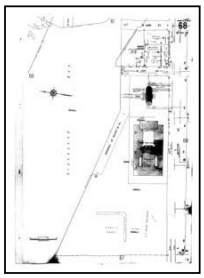
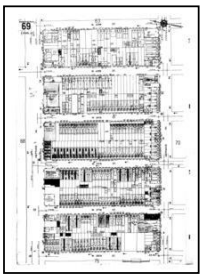
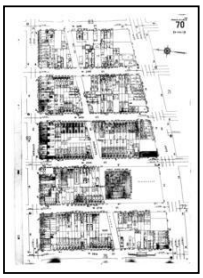

Volume 18, Sheet 70
1968

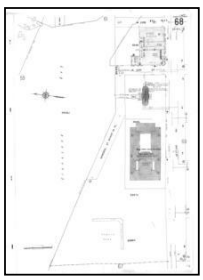
1966 Source Sheets


Volume 18, Sheet 68
1966


Volume 18, Sheet 69
1966


Volume 18, Sheet 70
1966

1950 Source Sheets


Volume 18, Sheet 68
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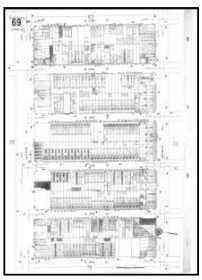

Volume 18, Sheet 69
1950

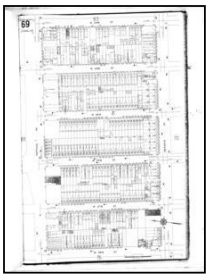
Volume 18, Sheet 70
1950

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1930 Source Sheets

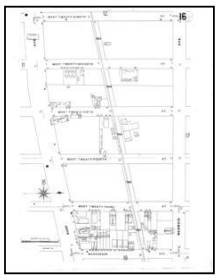
Volume 18, Sheet 68
1930



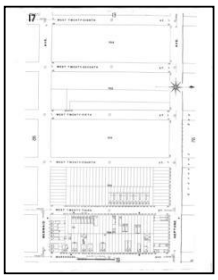
Volume 18, Sheet 69
1930

Volume 18, Sheet 70
1930

1906 Source Sheets



Volume 13, Sheet 16
1906



Volume 13, Sheet 17
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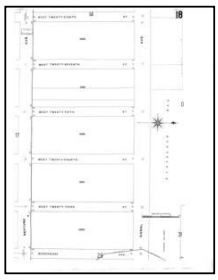

Volume 13, Sheet 18
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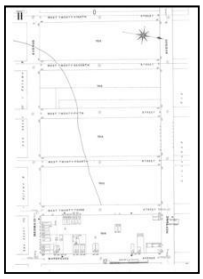
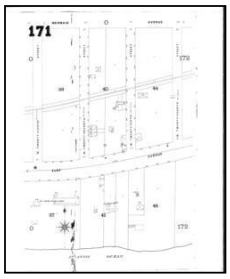
1905 Source Sheets



Volume B, Sheet 11
1905

1895 Source Sheets



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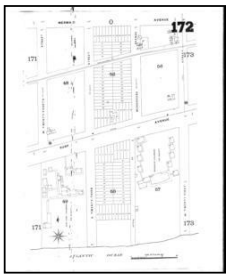

Volume B, Sheet 172
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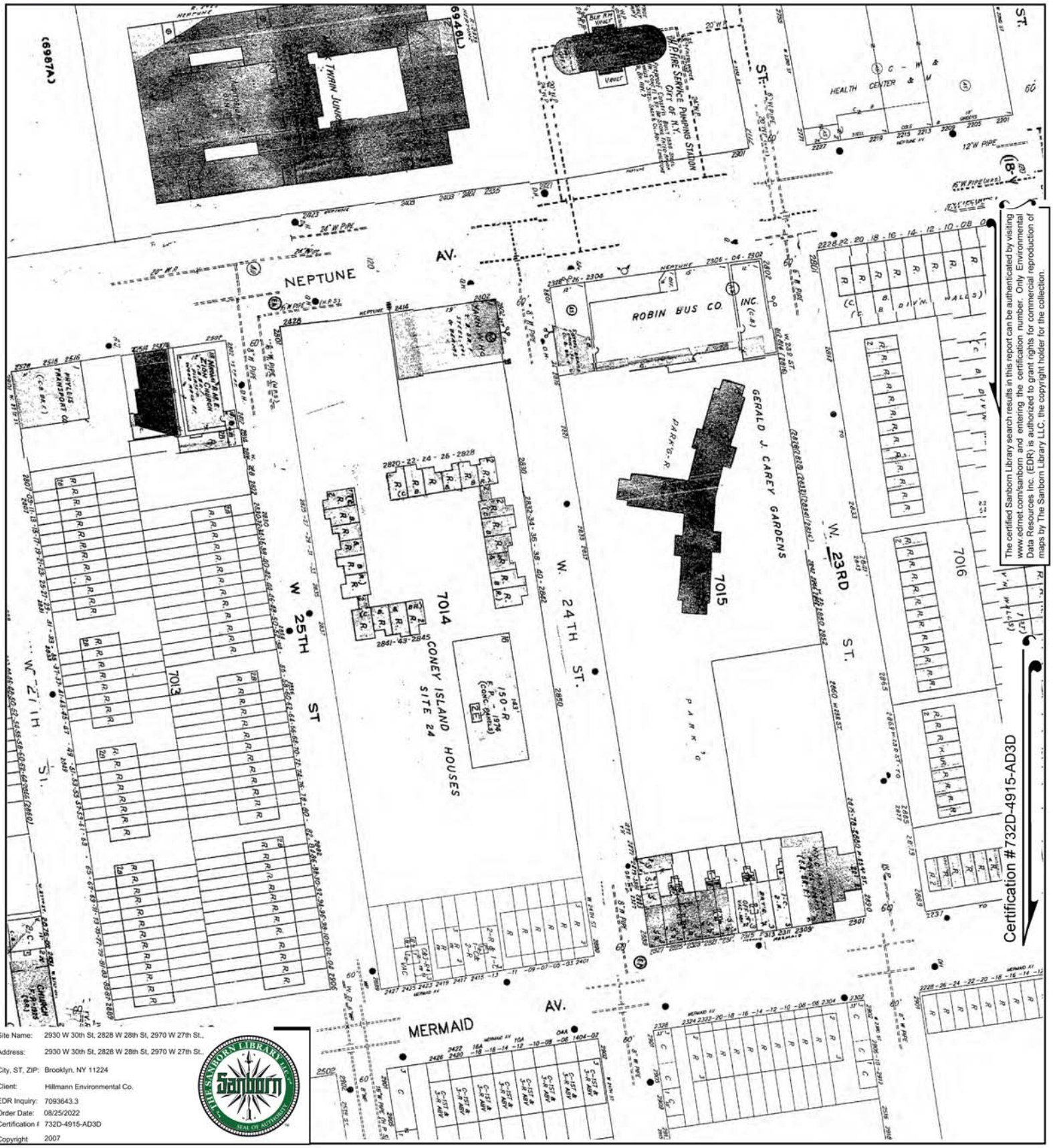

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Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
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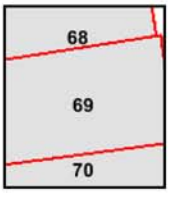
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 18, Sheet 70
Volume 18, Sheet 69
Volume 18, Sheet 68

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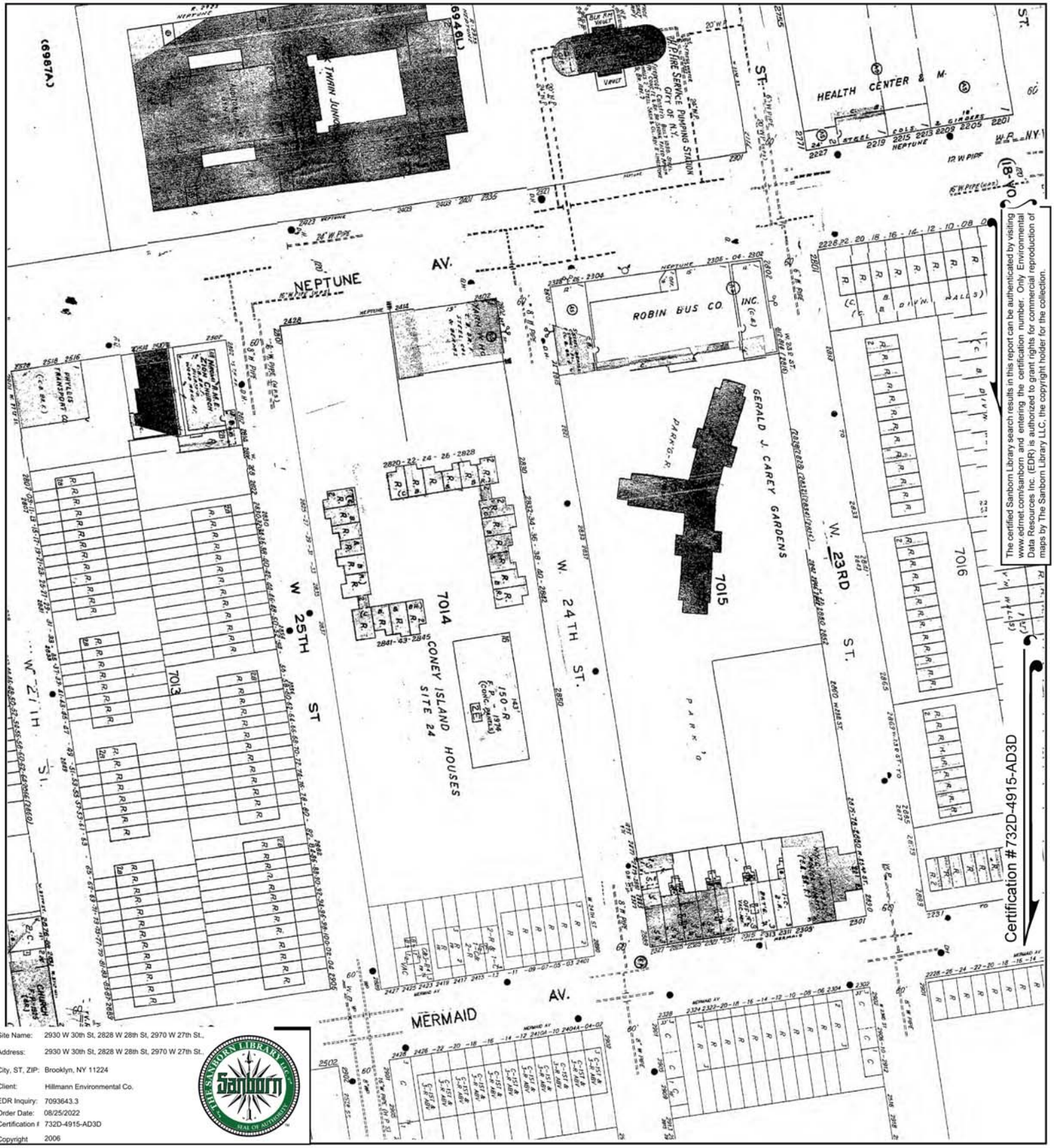

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 2006

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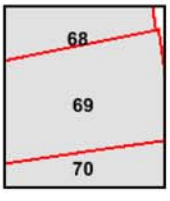
Outlined areas indicate map sheets within the collection.



Volume 18, Sheet 70
Volume 18, Sheet 69
Volume 18, Sheet 68

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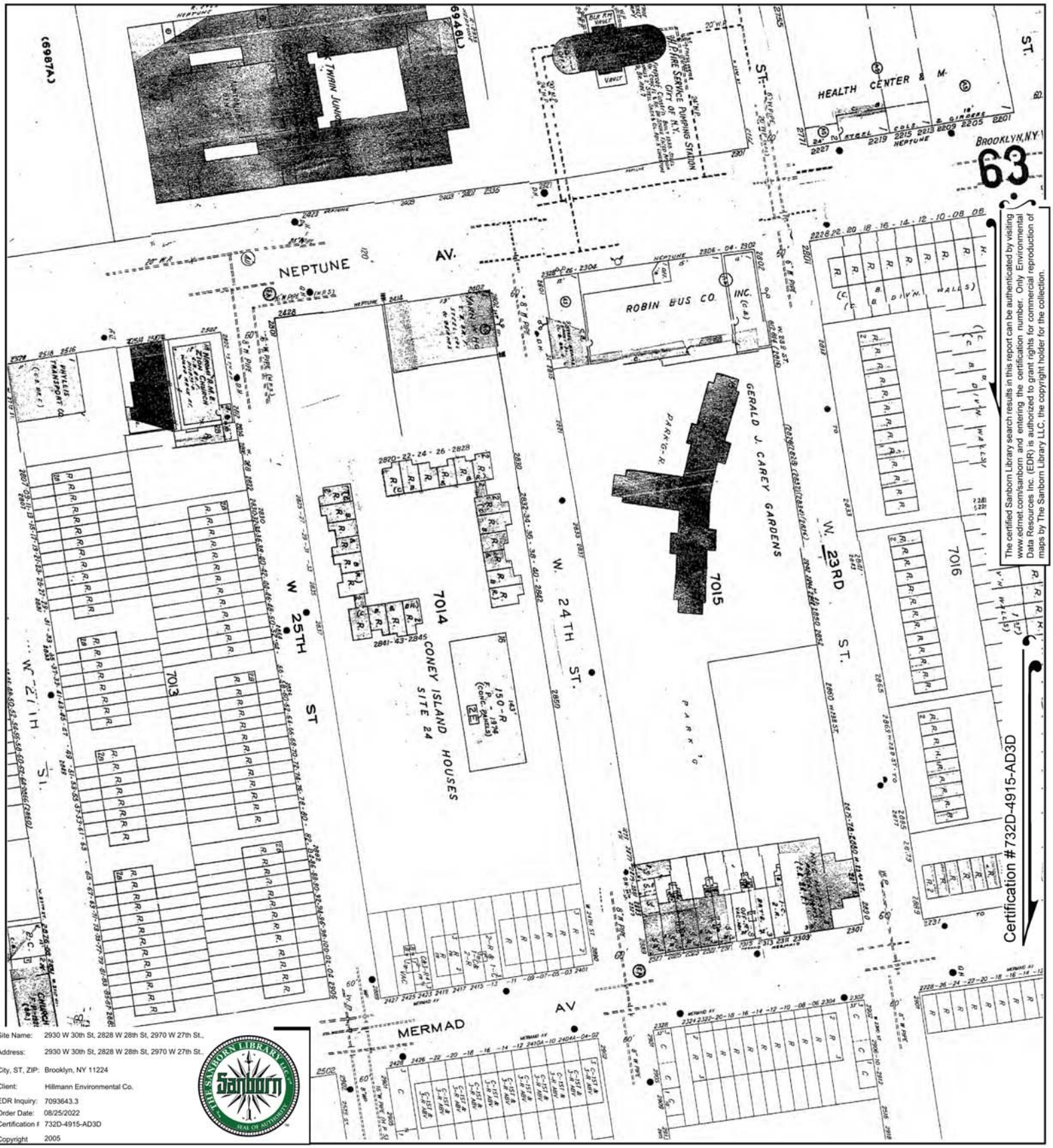

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 2005

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 18, Sheet 70
Volume 18, Sheet 69
Volume 18, Sheet 68

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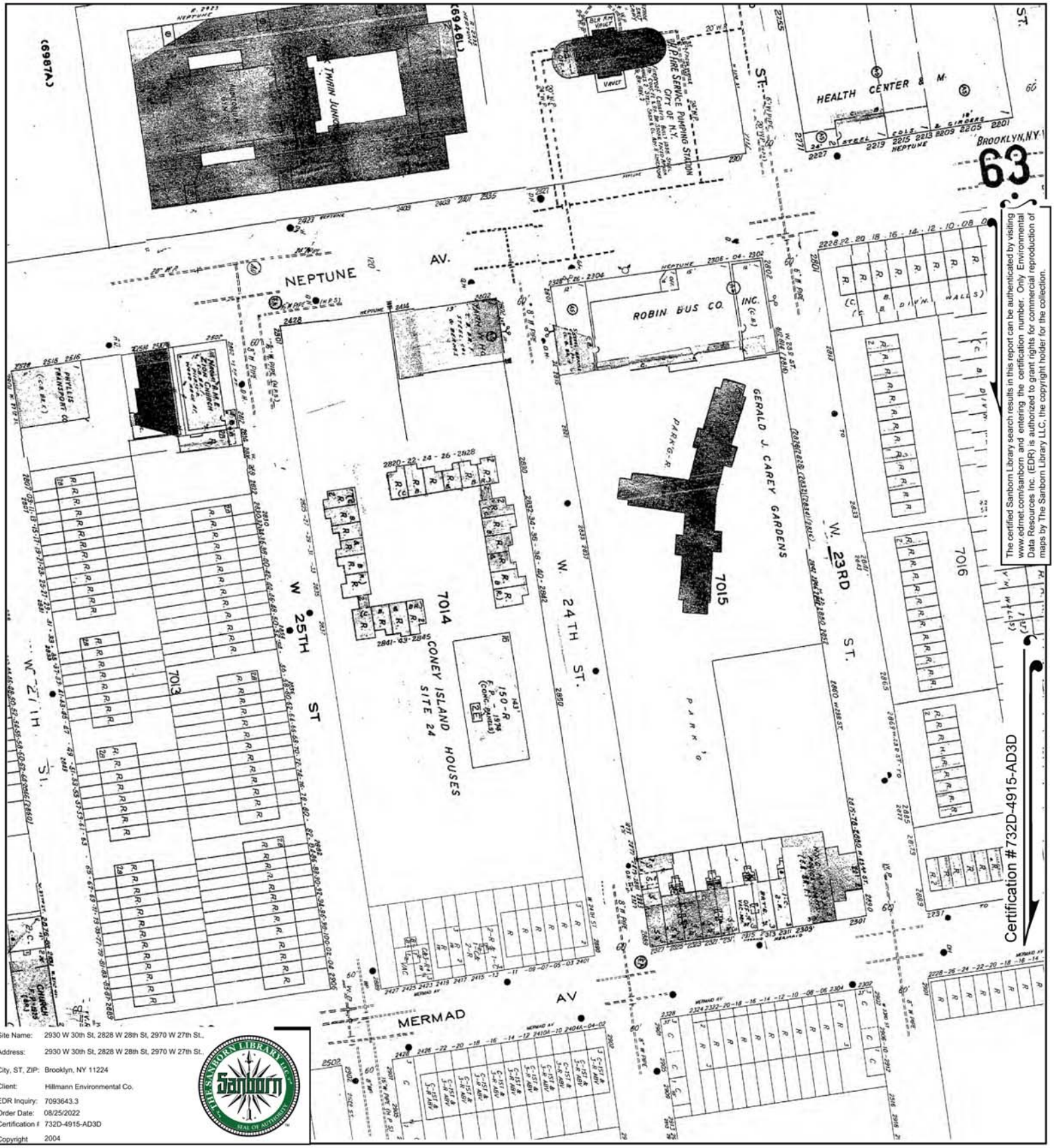

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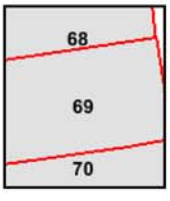

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0 Feet 150 300 600

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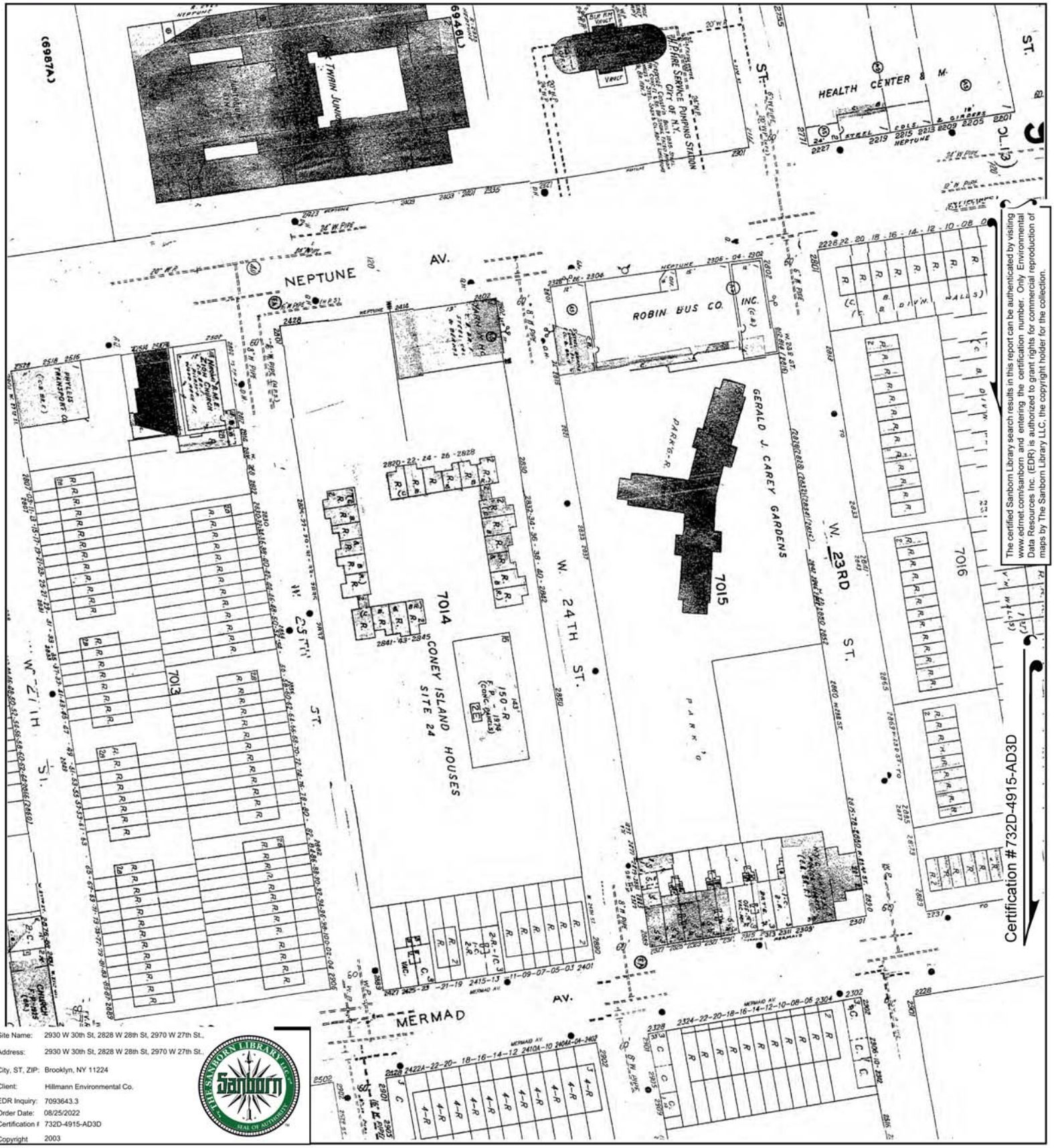

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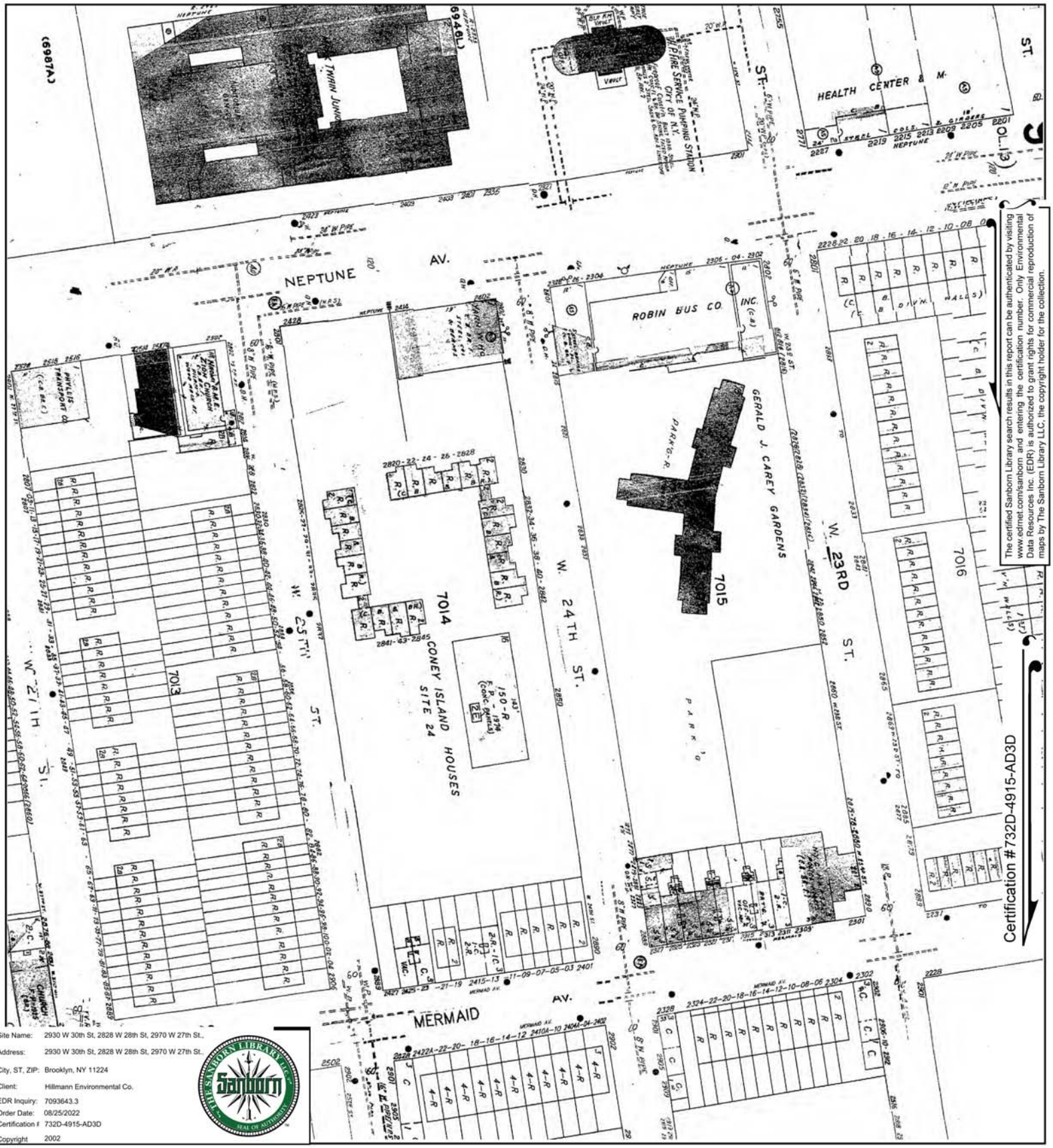
Certified Sanborn® Map

2002



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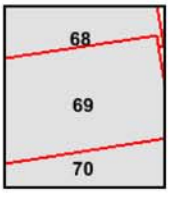

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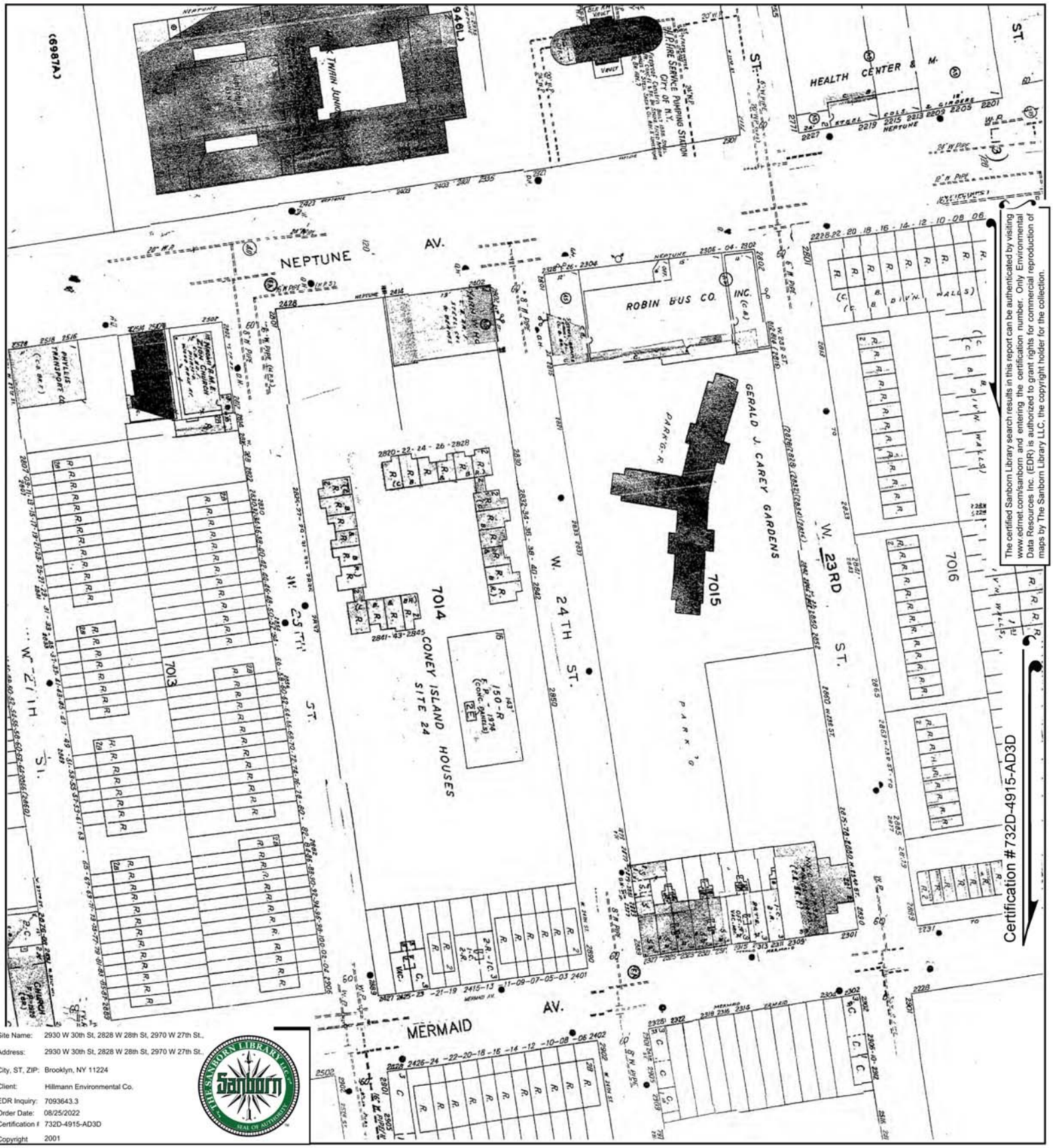

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Certification #	732D-4915-AD3D
Copyright	2001

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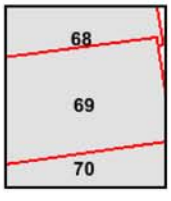

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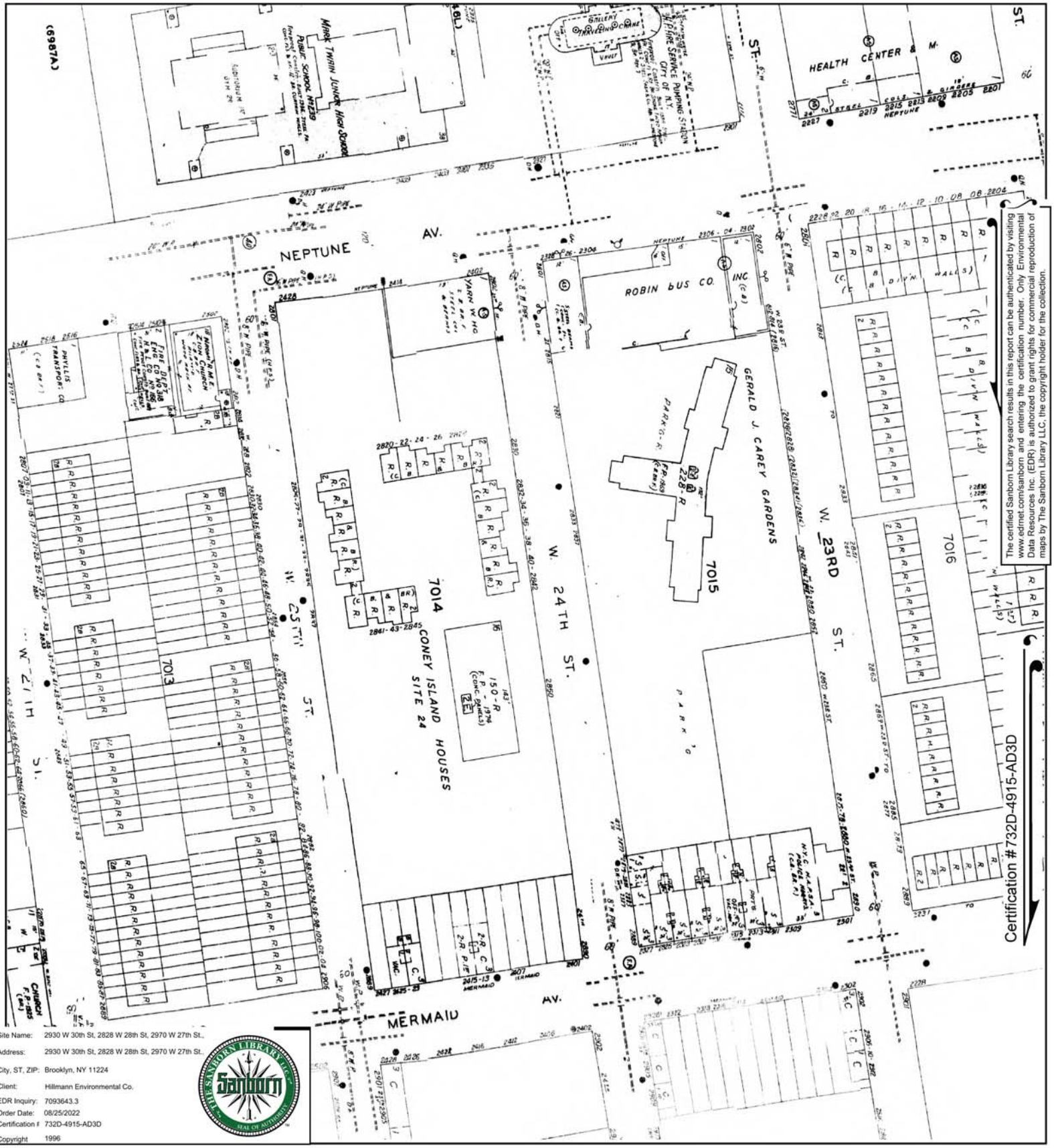
N

Certified Sanborn® Map

1996



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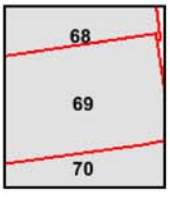

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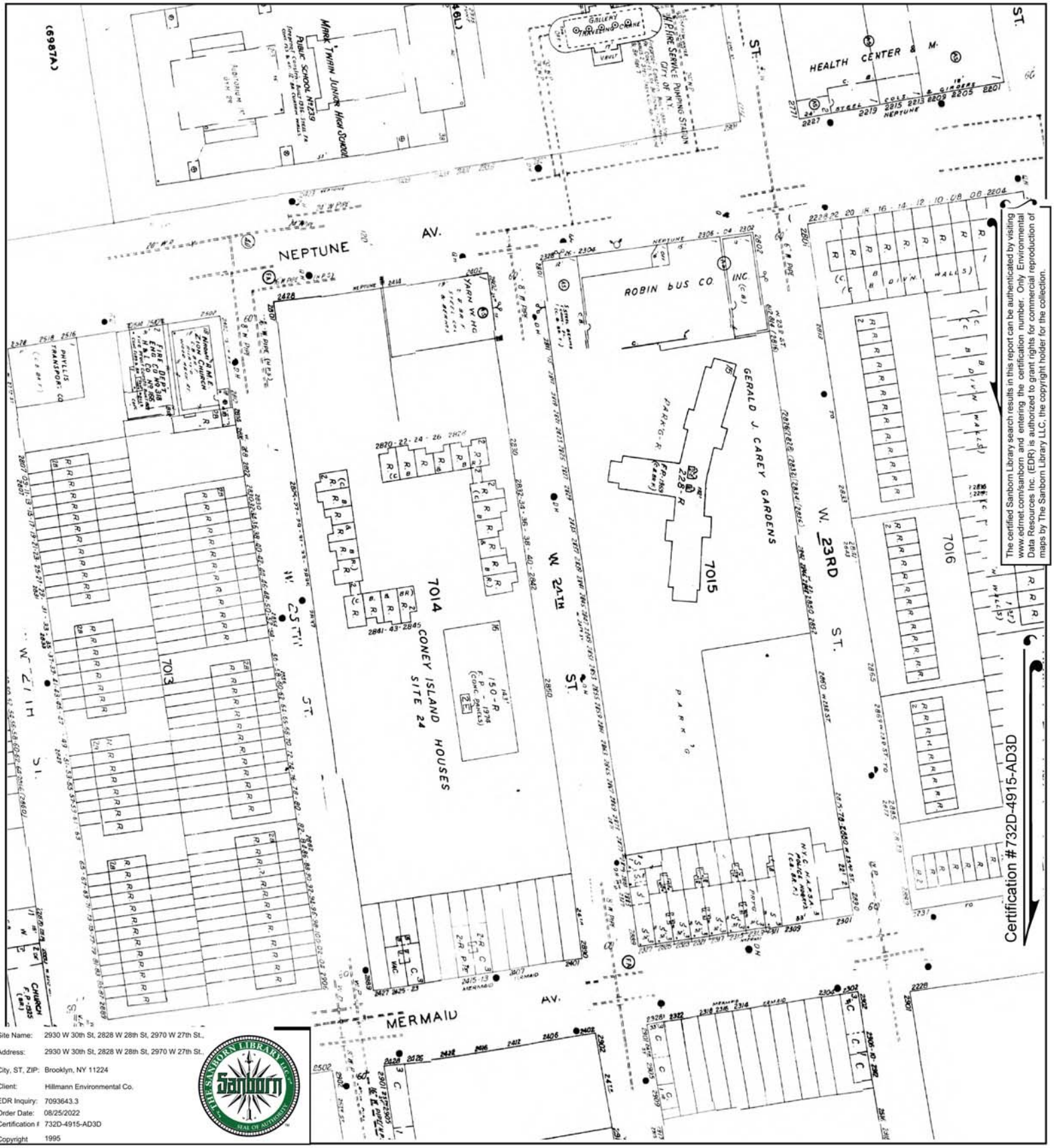
N

Certified Sanborn® Map

1995



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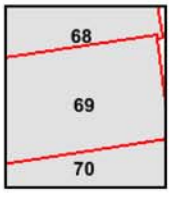

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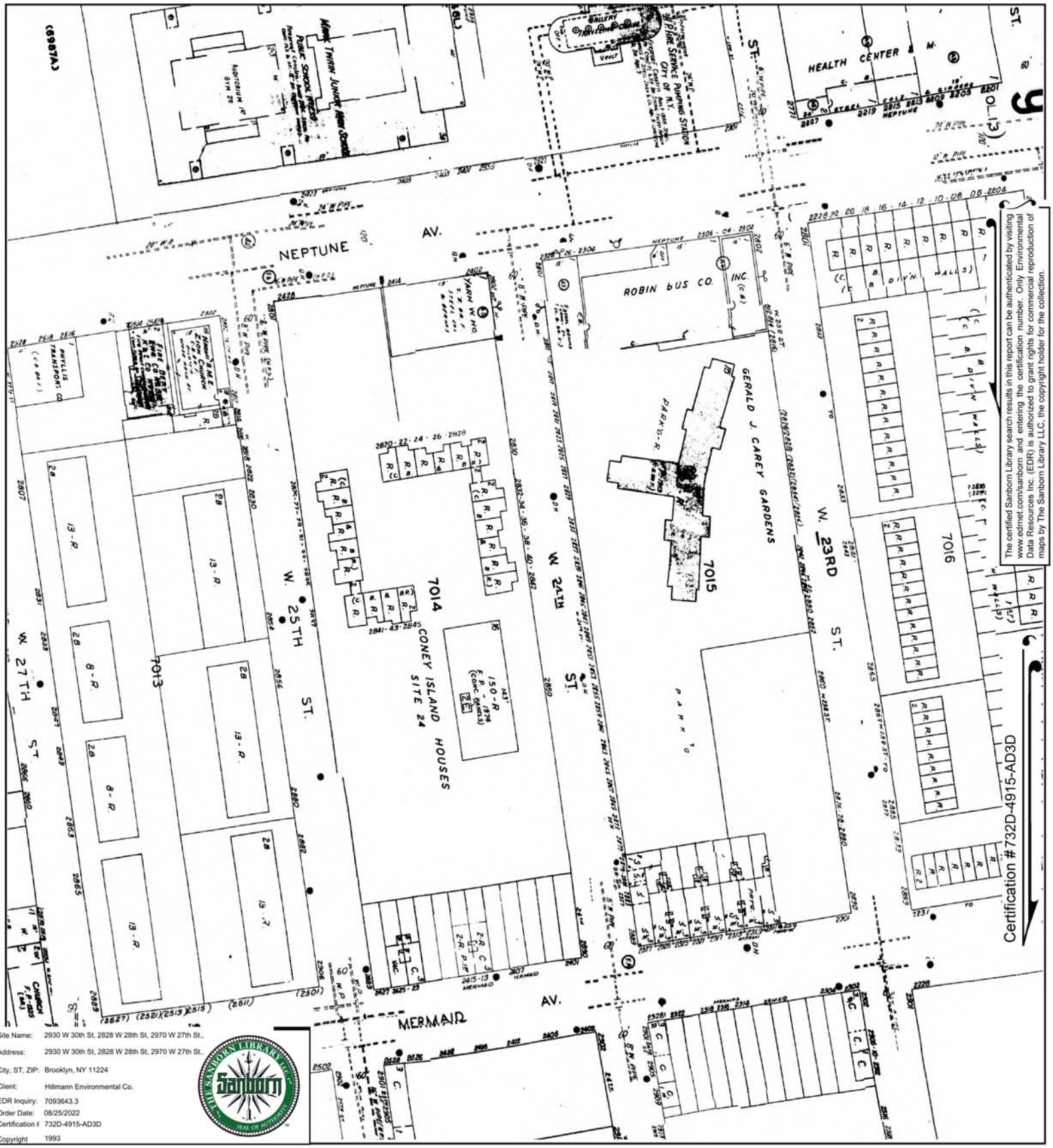

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Certification #	732D-4915-AD3D
Copyright	1993

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N

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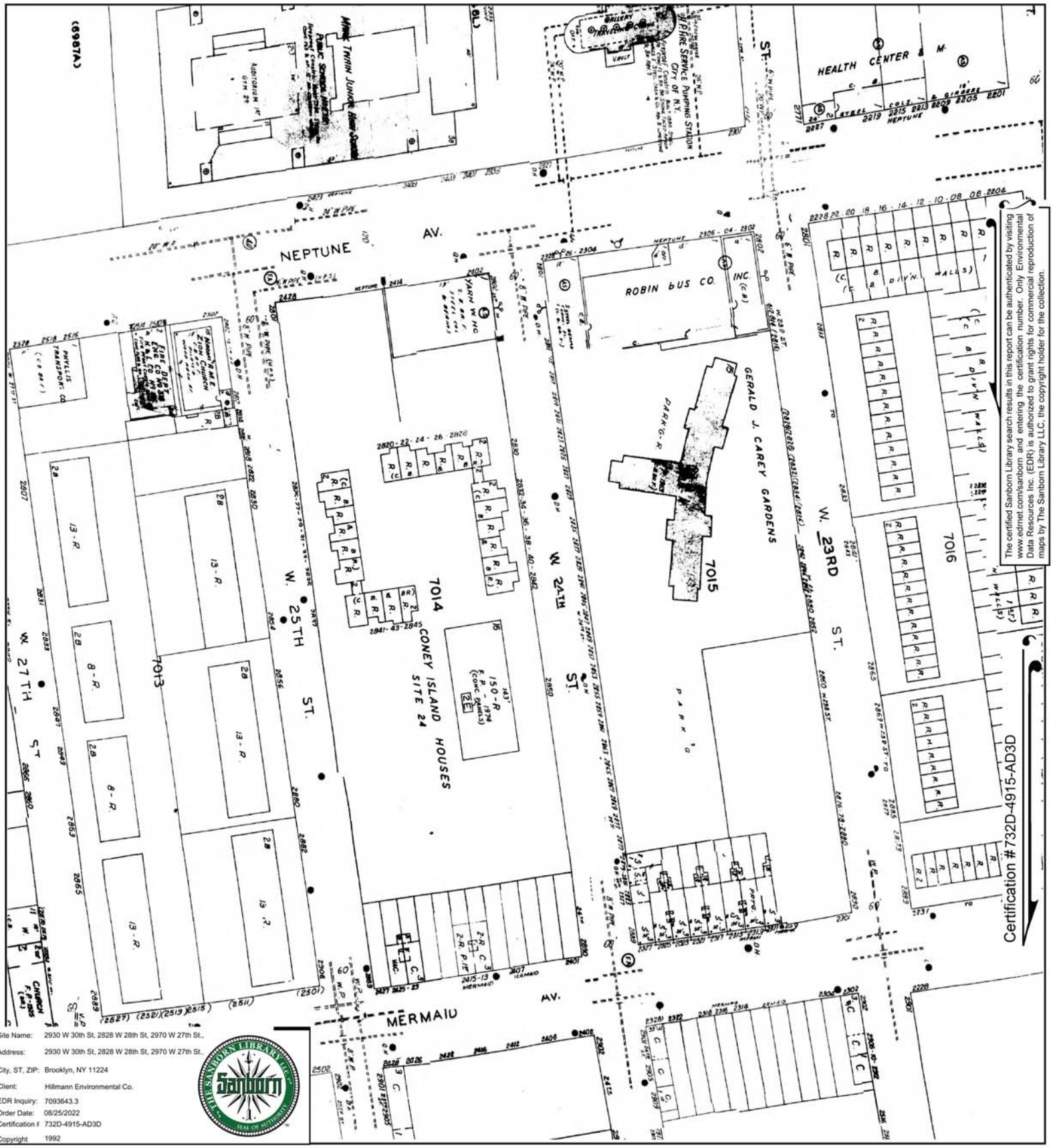
1992



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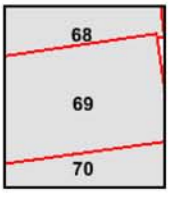

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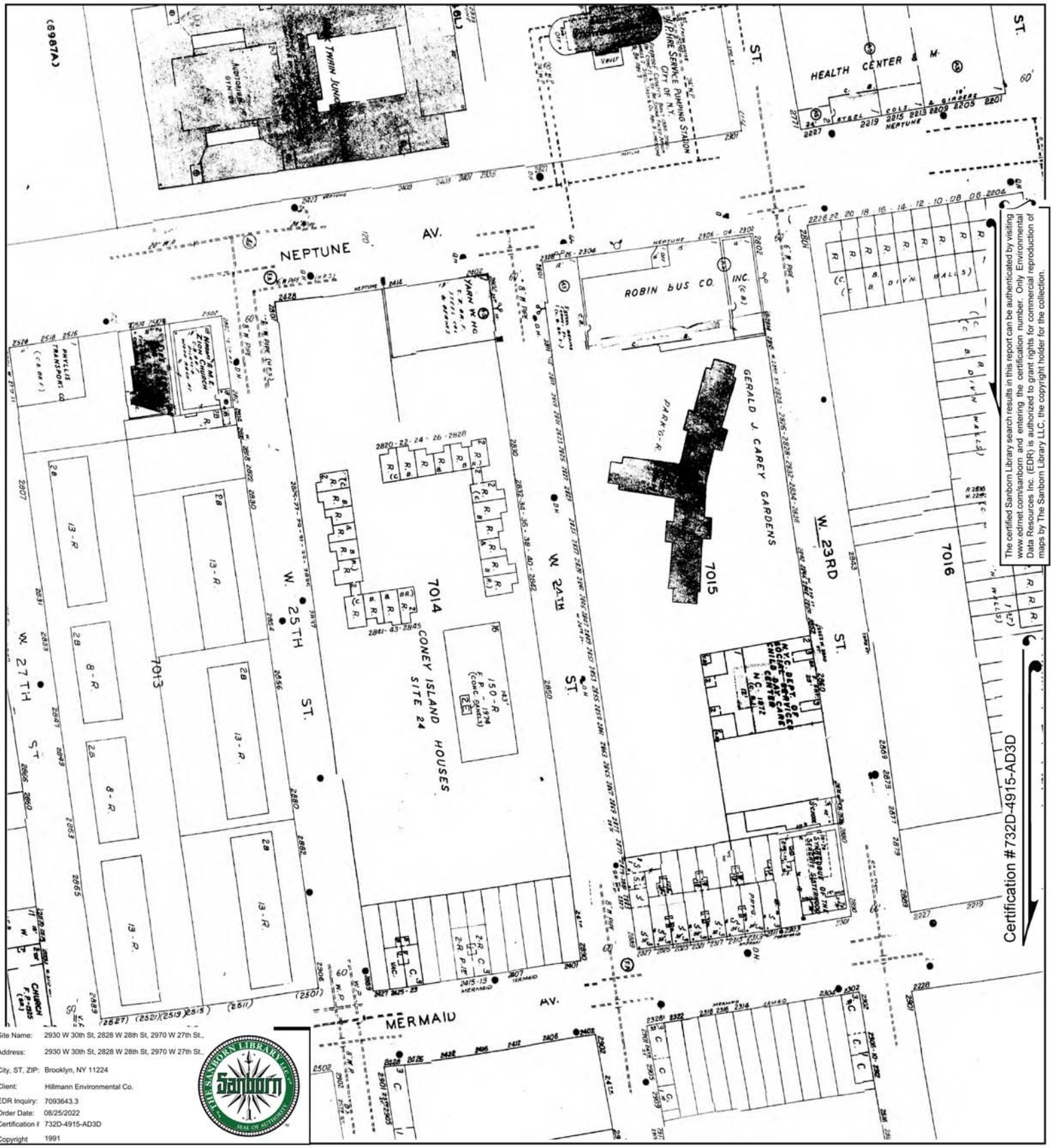
N

Certified Sanborn® Map

1991



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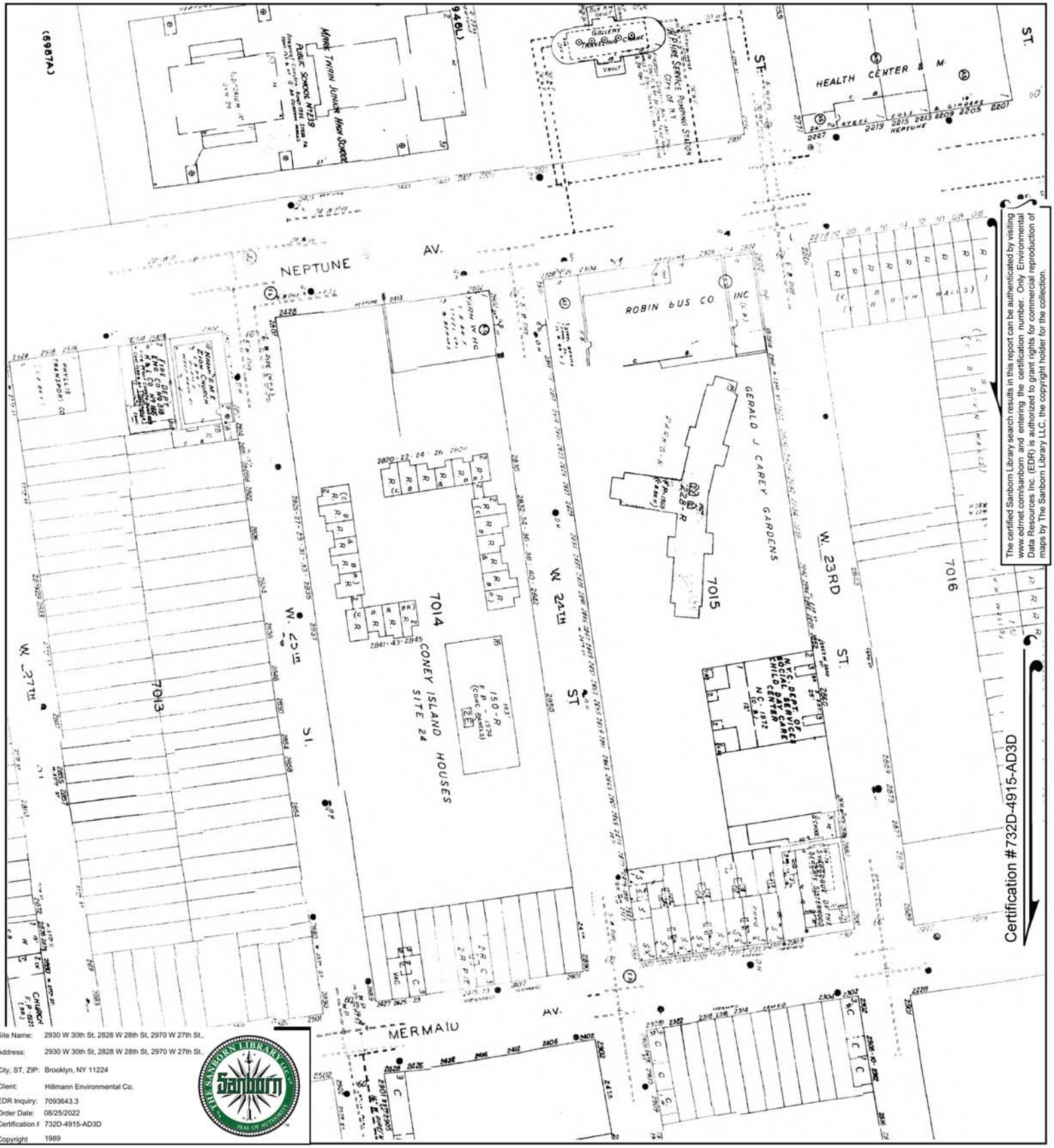

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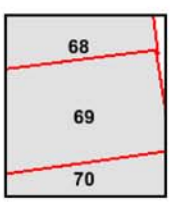

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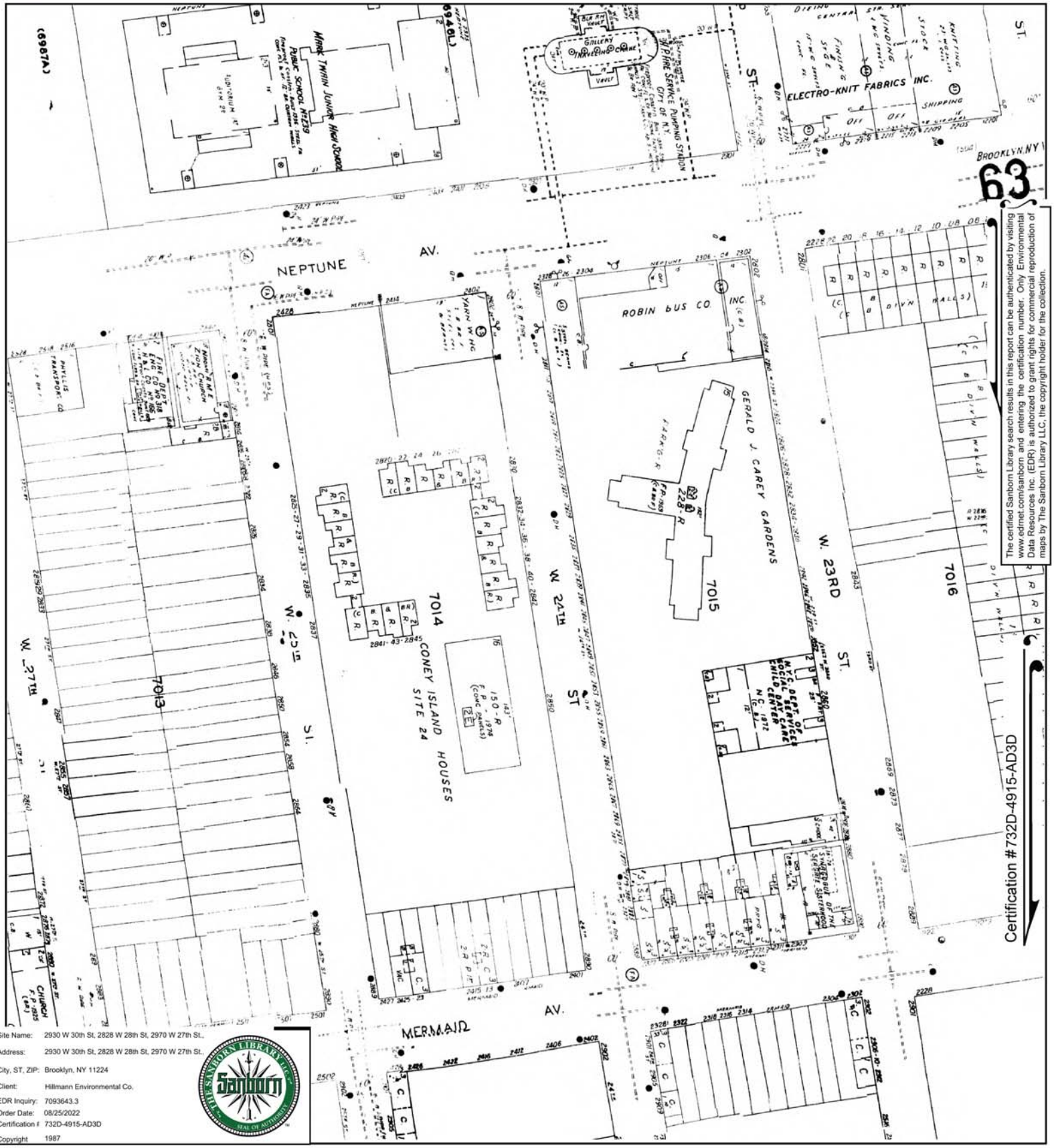

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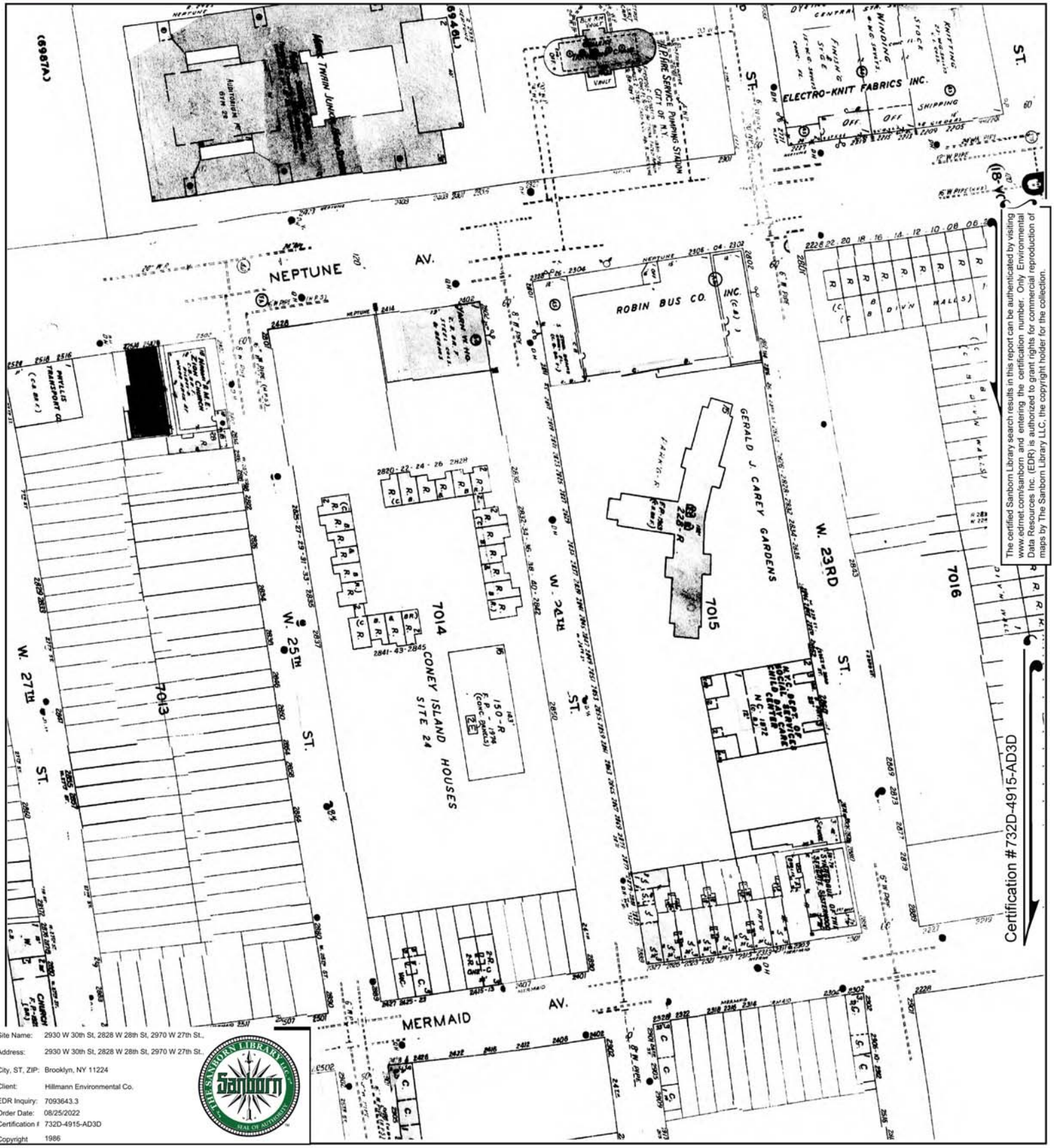

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Copyright: 1986

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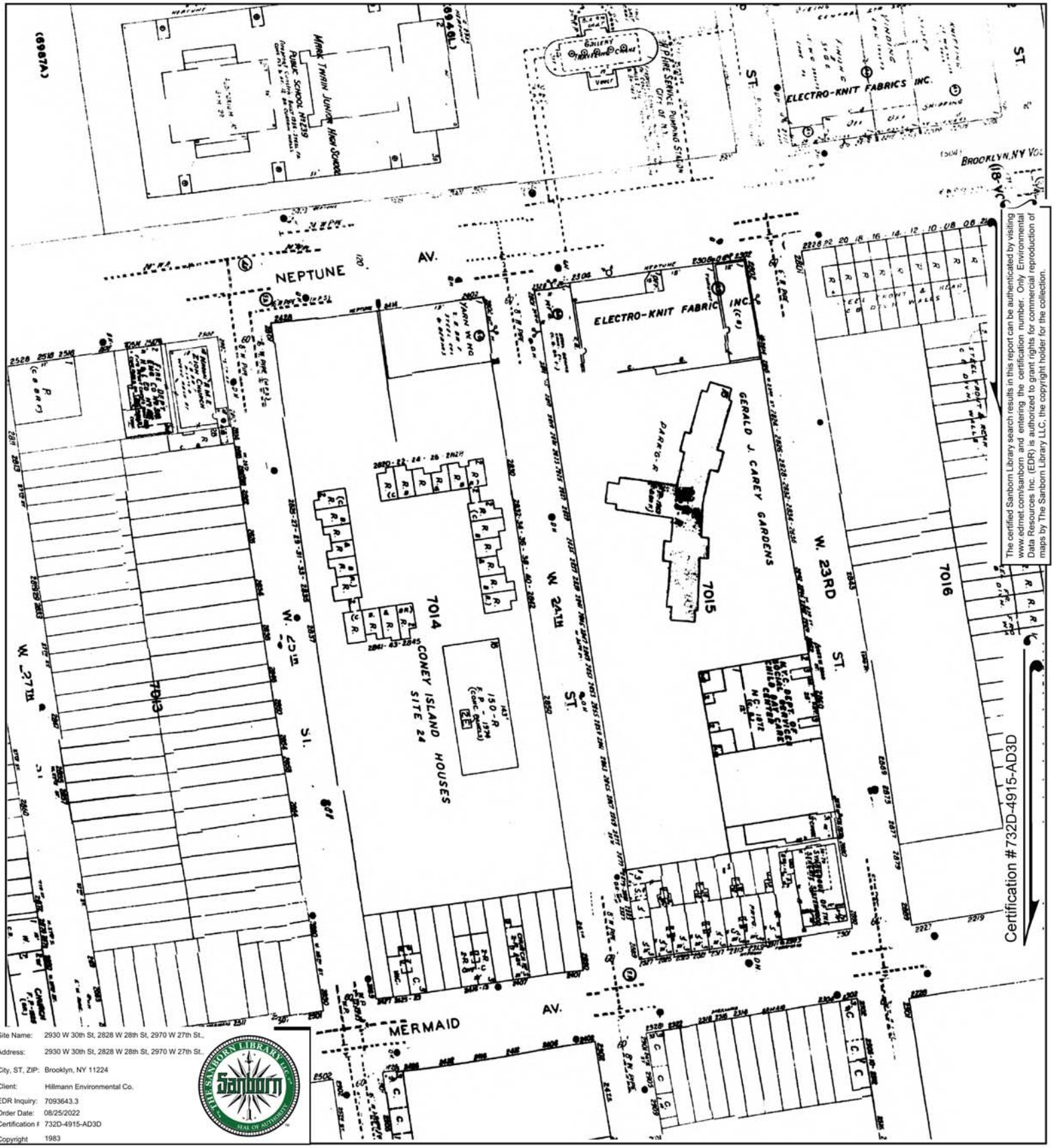

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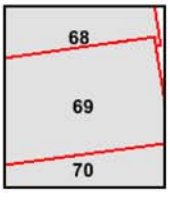

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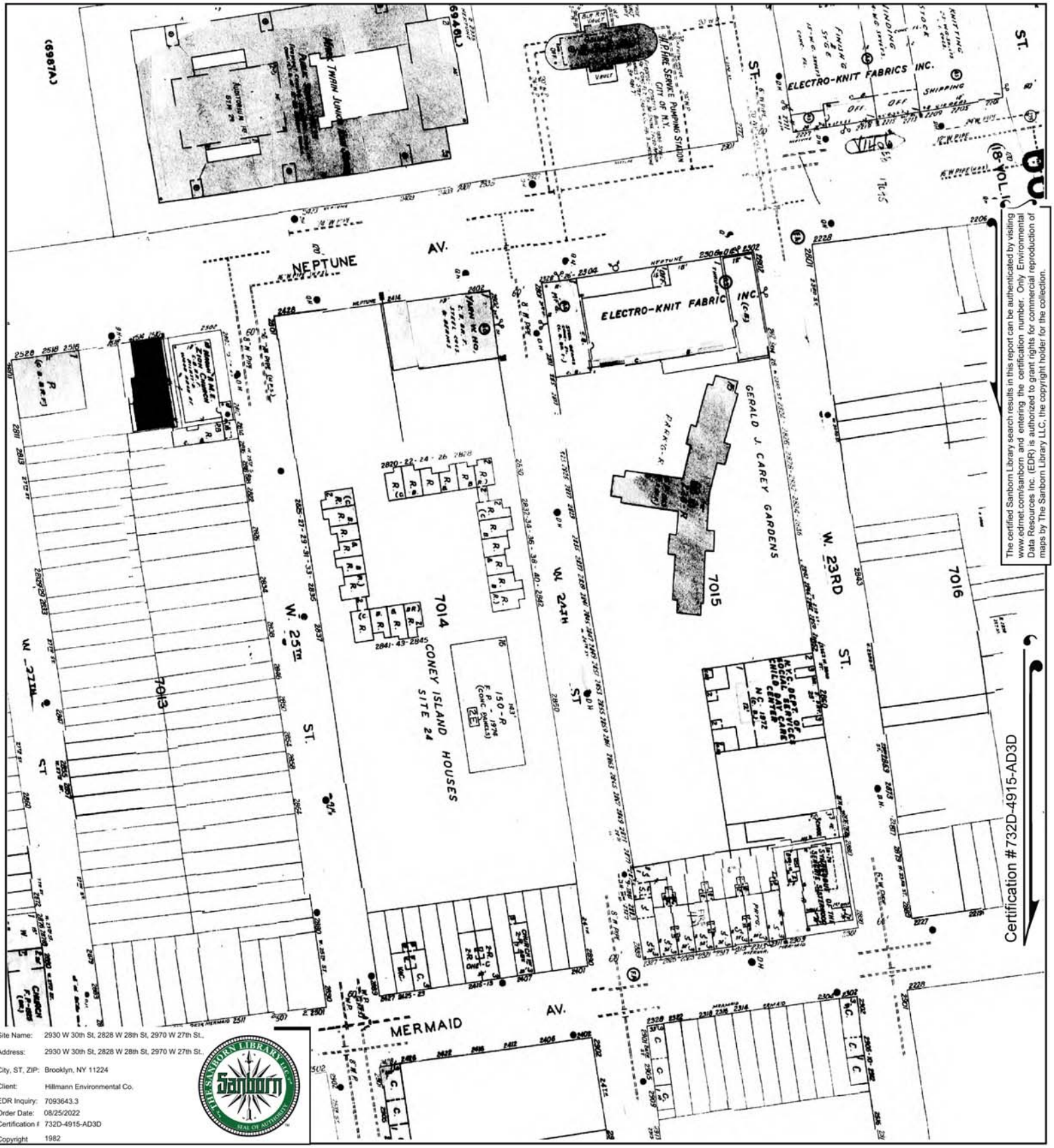

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Copyright	1982

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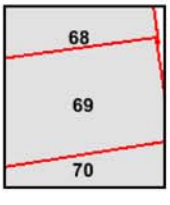

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Copyright: 1981

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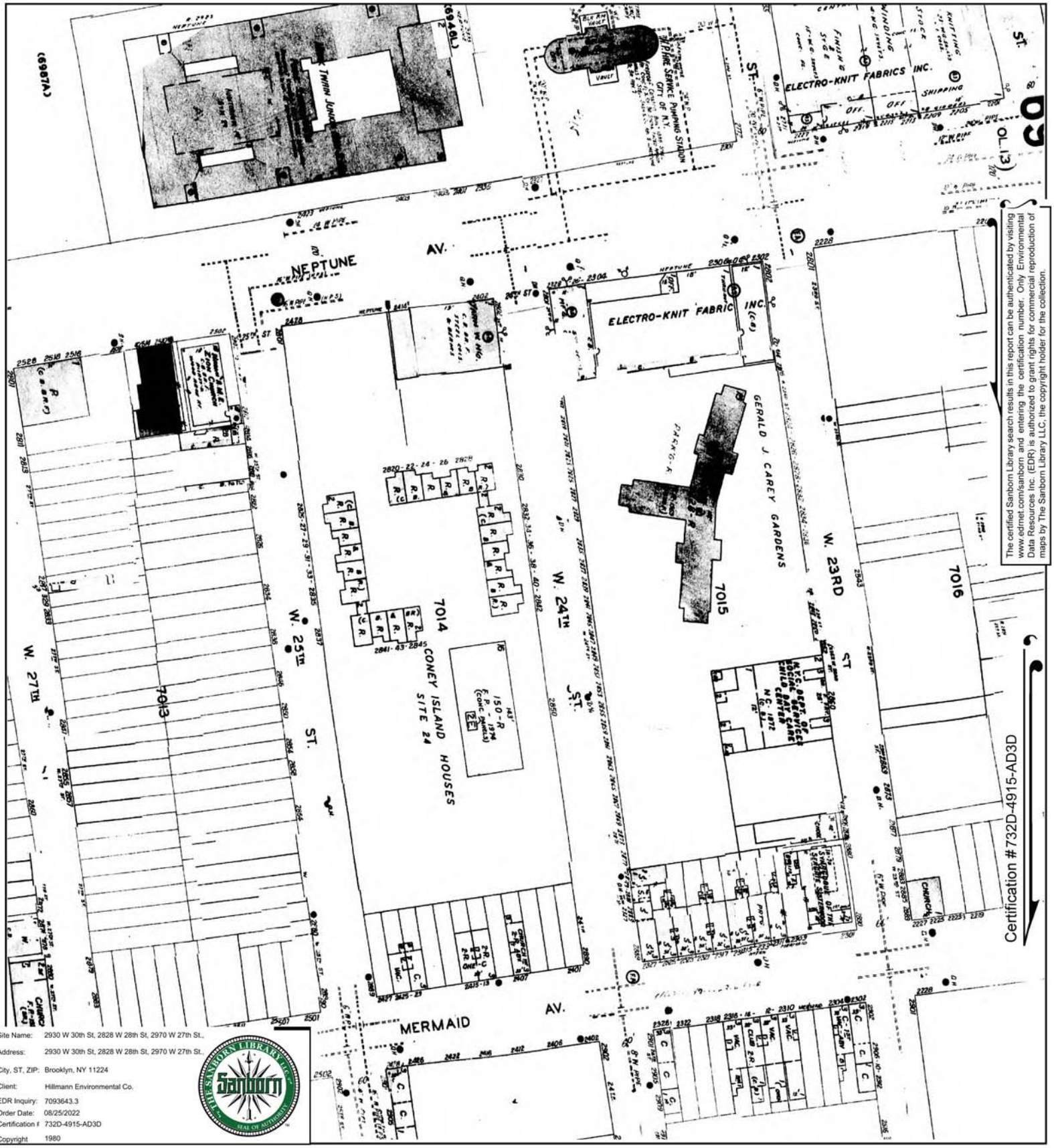

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Copyright 1980

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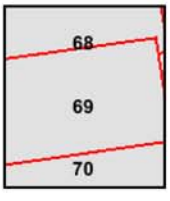

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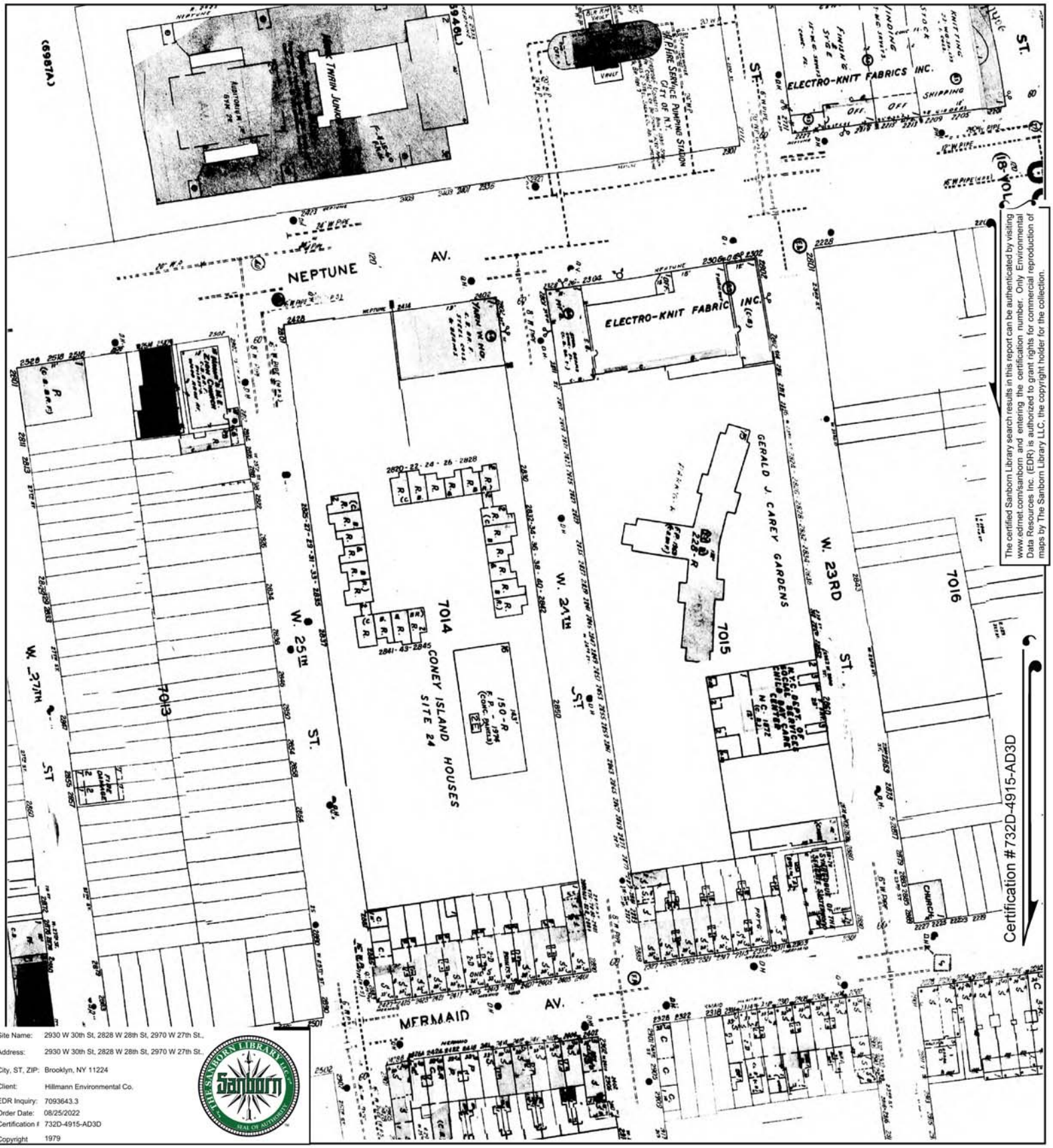

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Copyright 1979

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Copyright	1977

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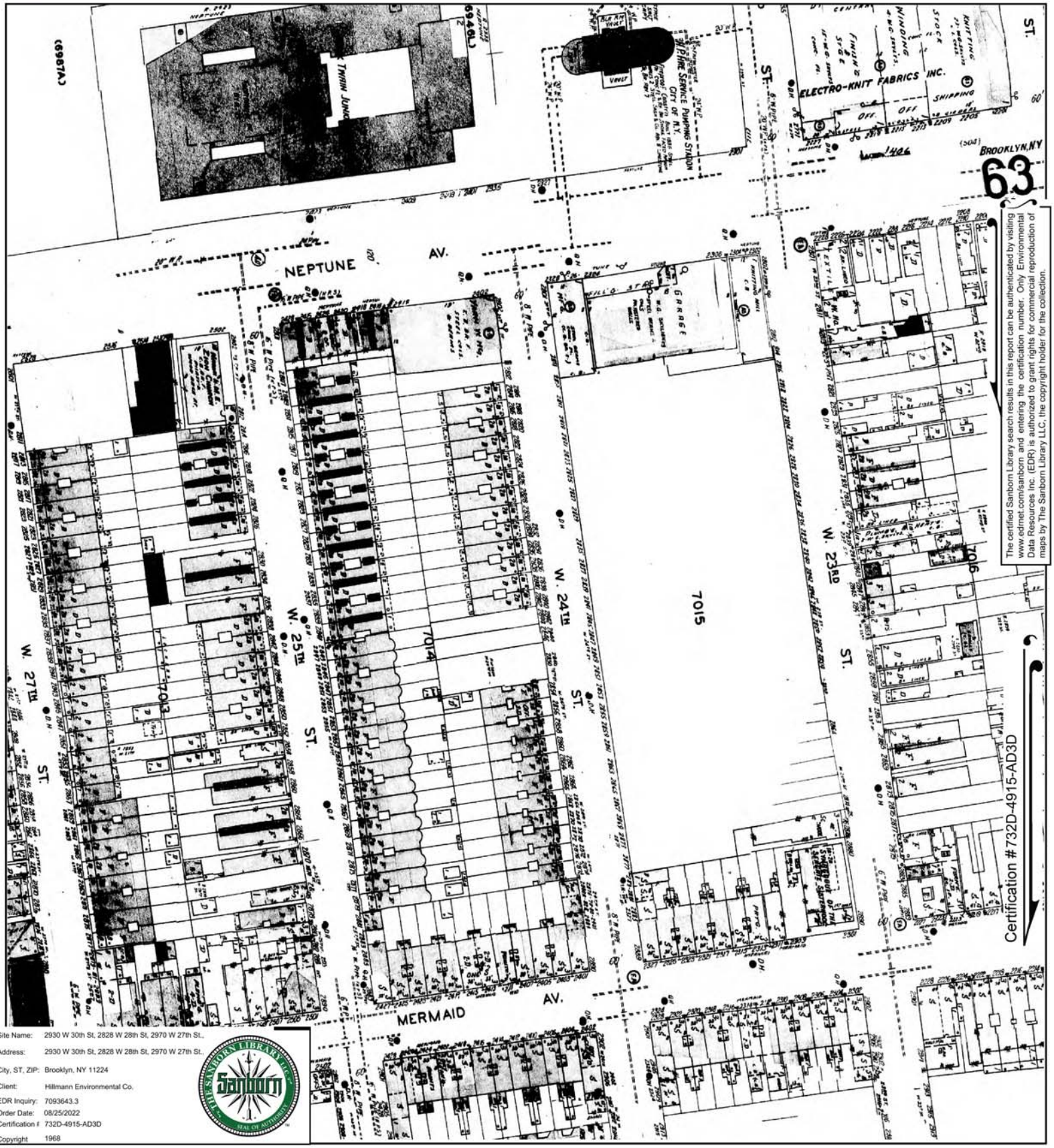
N

Certified Sanborn® Map

1968



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Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1968

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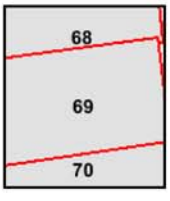

Volume 18, Sheet 70
Volume 18, Sheet 69
Volume 18, Sheet 68

0 Feet 150 300 600

N

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City, ST, ZIP: Brooklyn, NY 11224
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EDR Inquiry: 7093643.3
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Copyright 1966

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Certification #732D-4915-AD3D

Site Name:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1950

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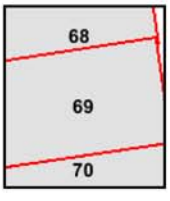

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Volume 18, Sheet 68

0 Feet 150 300 600

N

Certified Sanborn® Map

1930

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Site Name:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1930

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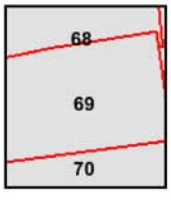
0 Feet 150 300 600



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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1906

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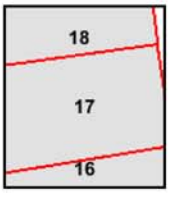

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Volume 13, Sheet 17
Volume 13, Sheet 16

0 Feet 150 300 600

N

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Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
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Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1905

This Certified Sanborn Map combines the following sheets.
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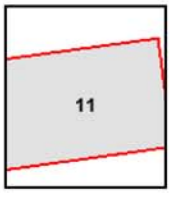
Volume B, Sheet 11



0 Feet 150 300 600

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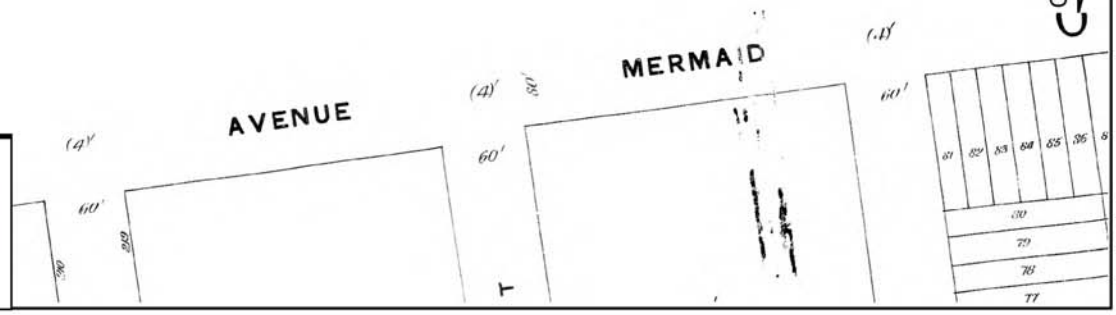
Certification #732D-4915-AD3D



Site Name: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
Address: 2930 W 30th St, 2828 W 28th St, 2970 W 27th St..
City, ST, ZIP: Brooklyn, NY 11224
Client: Hillmann Environmental Co.
EDR Inquiry: 7093643.3
Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright: 1895

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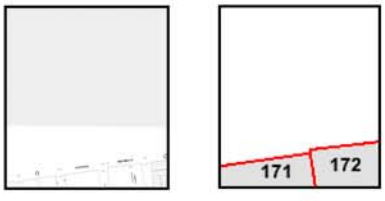

Volume B, Sheet 172
Volume B, Sheet 171

0 Feet 150 300 600

N

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,

Brooklyn, NY 11224

Inquiry Number: 7093643.3

August 25, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/25/22

Site Name:

2930 W 30th St, 2828 W 28th S
2930 W 30th St, 2828 W 28th S
Brooklyn, NY 11224
EDR Inquiry # 7093643.3

Client Name:

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hillmann Environmental Co. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 732D-4915-AD3D

PO # NA

Project Z34991

Maps Provided:

2007	1995	1982	1930
2006	1993	1981	1906
2005	1992	1980	1905
2004	1991	1979	1895
2003	1989	1977	
2002	1987	1968	
2001	1986	1966	
1996	1983	1950	

Sanborn® Library search results

Certification #: 732D-4915-AD3D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Key

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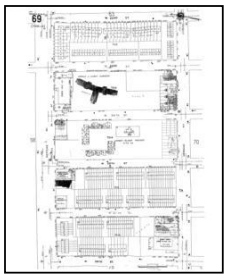
2007 Source Sheets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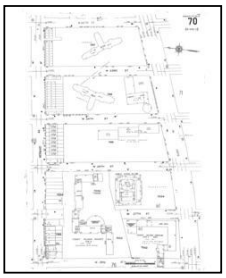
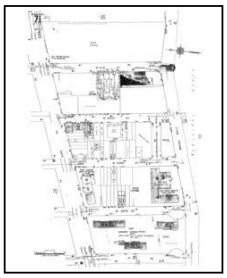
2007


Volume 18, Sheet 70
2007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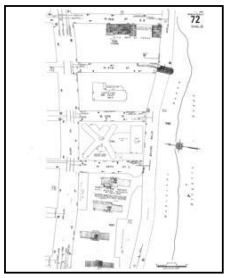
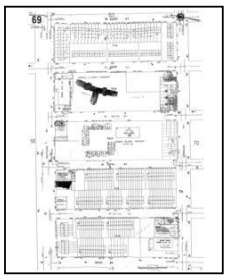
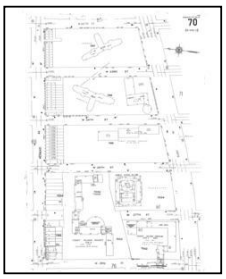
2007


Volume 18, Sheet 72
2007

2006 Source Sheets


Volume 18, Sheet 69
2006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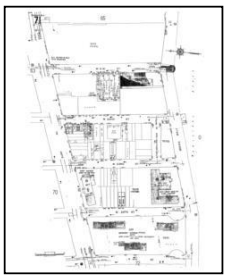
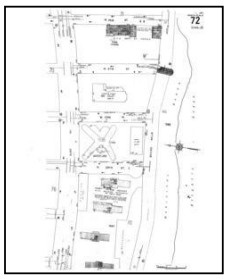

Volume 18, Sheet 71
2006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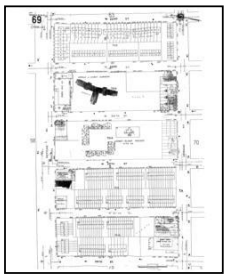
2006

2005 Source Sheets


Volume 18, Sheet 69
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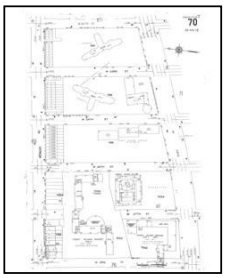
Volume 18, Sheet 70
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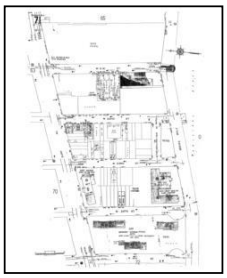
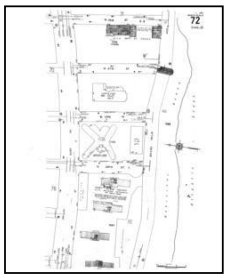

Volume 18, Sheet 71
2005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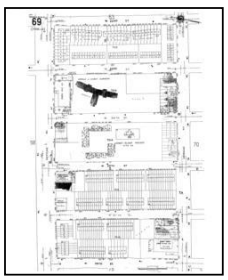
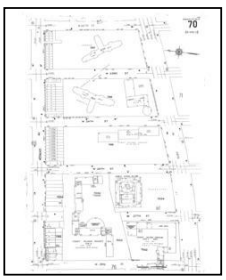
2005

2004 Source Sheets


Volume 18, Sheet 69
2004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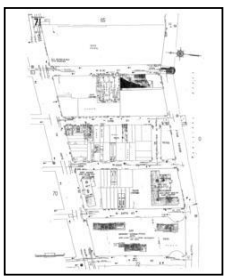
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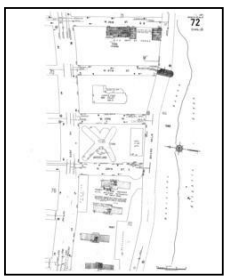
2004


Volume 18, Sheet 72
2004

Sanborn Sheet Key

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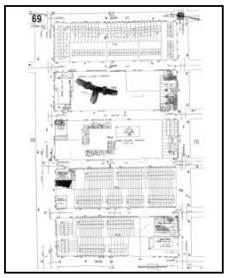
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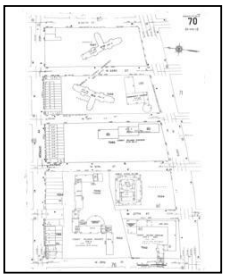
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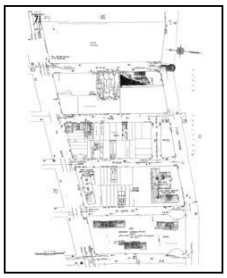
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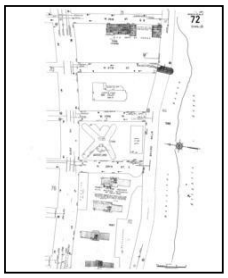
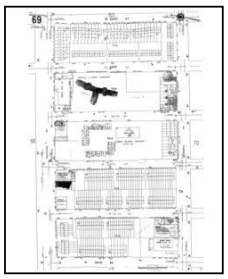
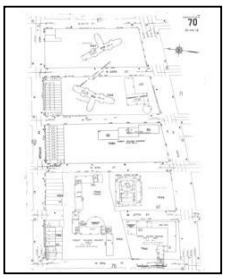

Volume 18, Sheet 72
2003

2002 Source Sheets


Volume 18, Sheet 69
2002


Volume 18, Sheet 70
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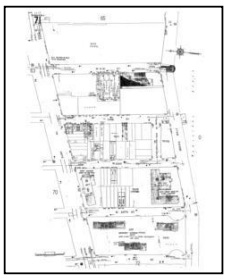
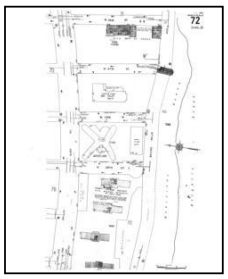

Volume 18, Sheet 71
2002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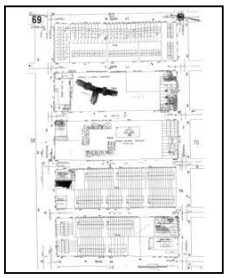
2002

2001 Source Sheets


Volume 18, Sheet 69
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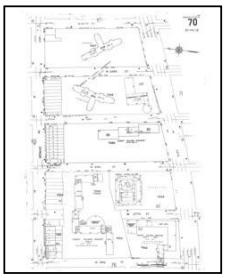
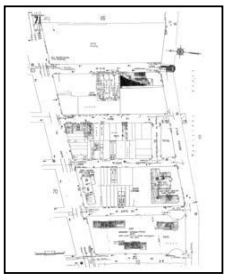

Volume 18, Sheet 70
2001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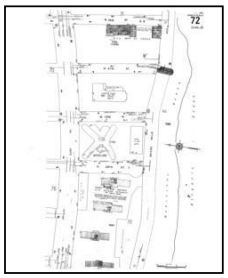
2001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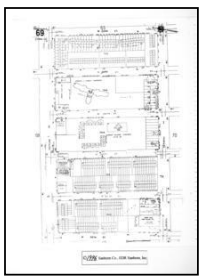
2001

1996 Source Sheets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1996

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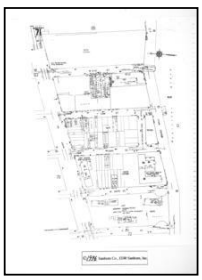
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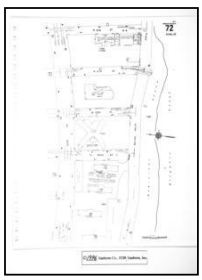
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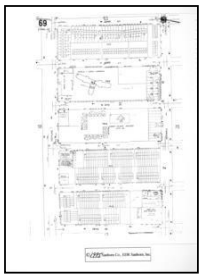
1996

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1995 Source Sheets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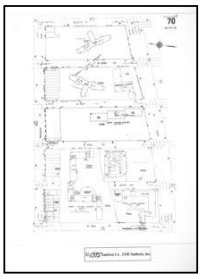
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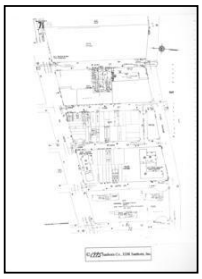
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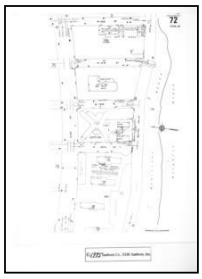
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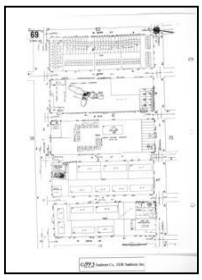
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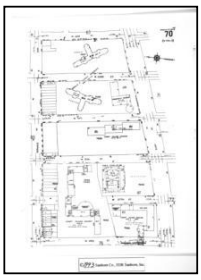
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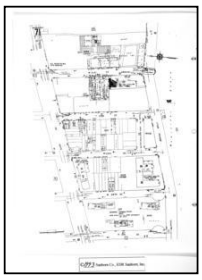
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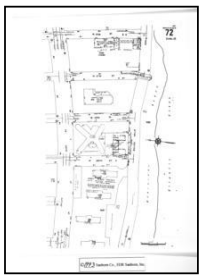
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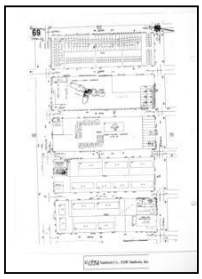
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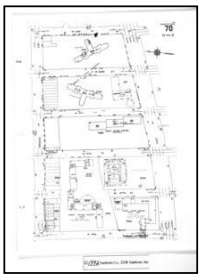
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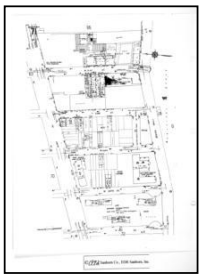
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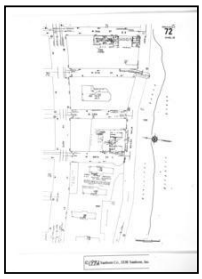
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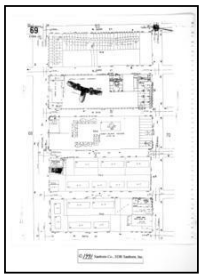
1992

1991 Source Sheets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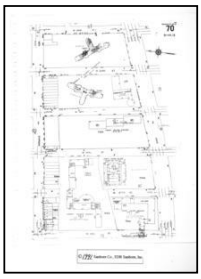
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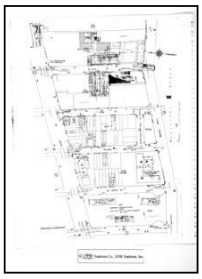
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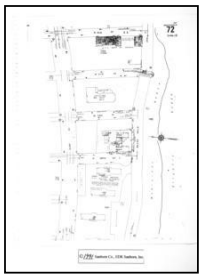
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1991

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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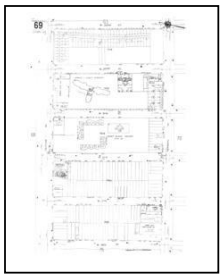
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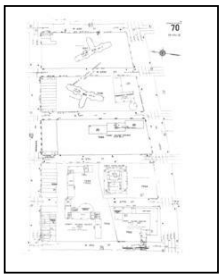
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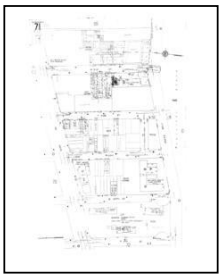
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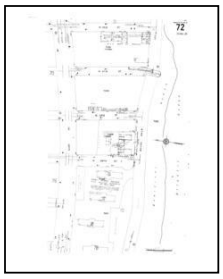
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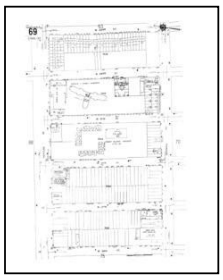
1989

1987 Source Sheets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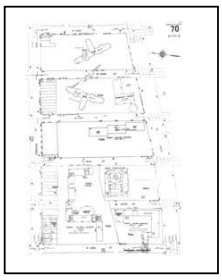
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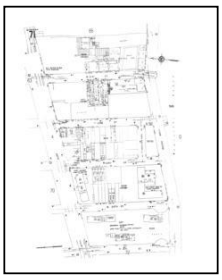
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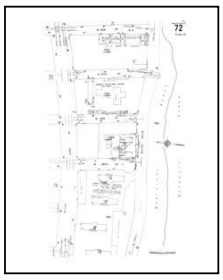
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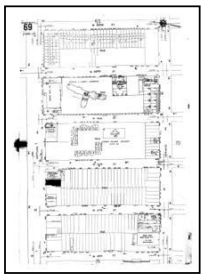
1986 Source Sheets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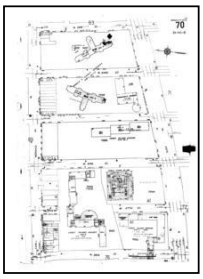
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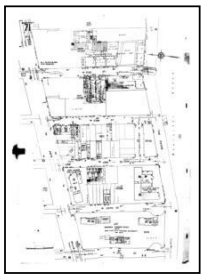
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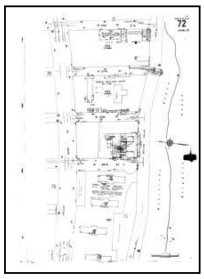
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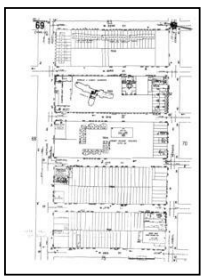
1986

1983 Source Sheets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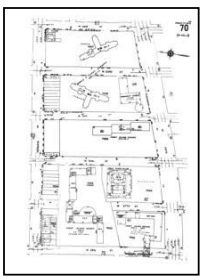
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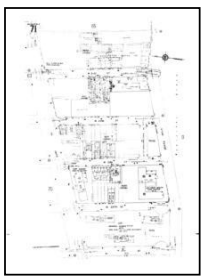
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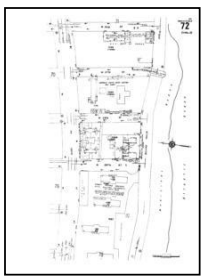
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1983

Sanborn Sheet Key

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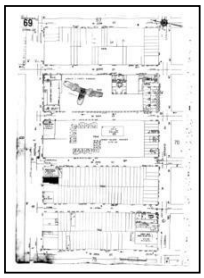
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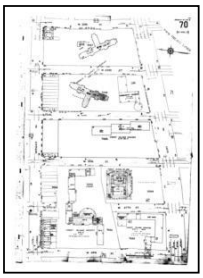
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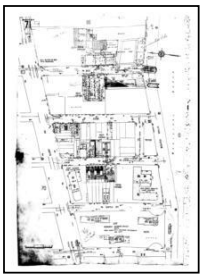
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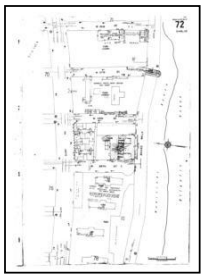
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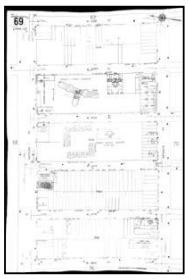
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1981

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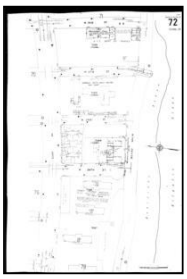
1981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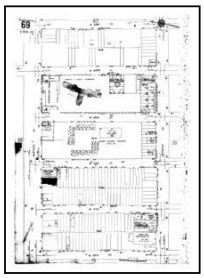
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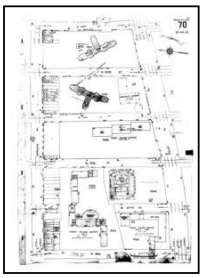
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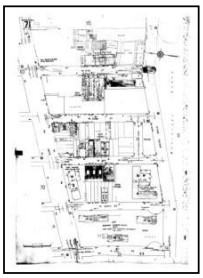
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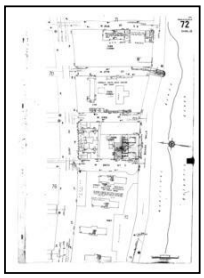
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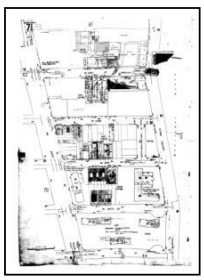
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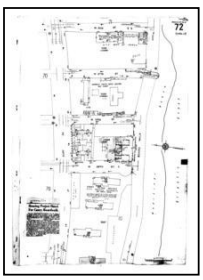
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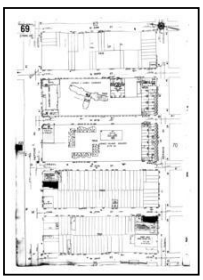
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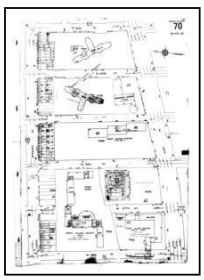
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1979

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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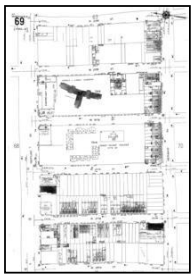
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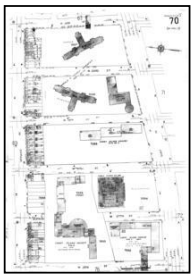
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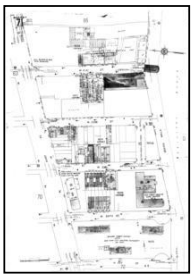
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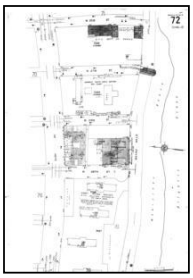
1977


Volume 18, Sheet 72
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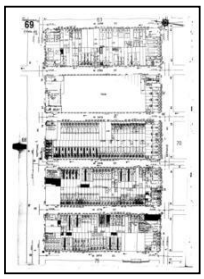
1968 Source Sheets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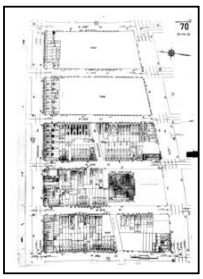
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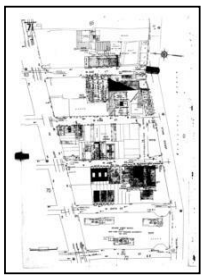
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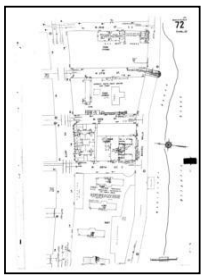
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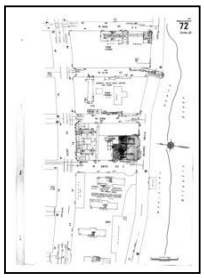
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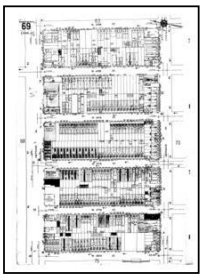
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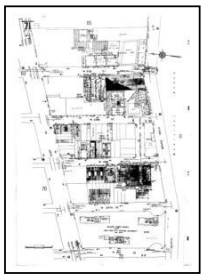
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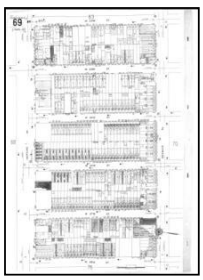
Volume 18, Sheet 69
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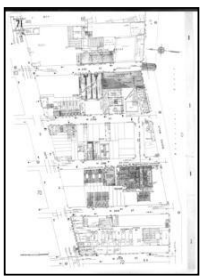
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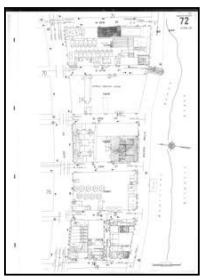
Volume 18, Sheet 72
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Sanborn Sheet Key

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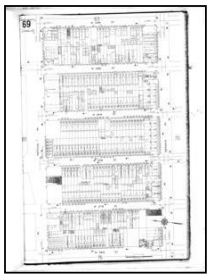
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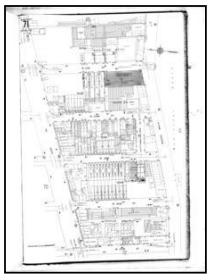
1930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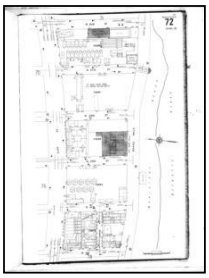
Volume 18, Sheet 72
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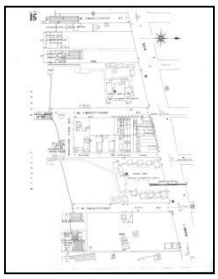
1906 Source Sheets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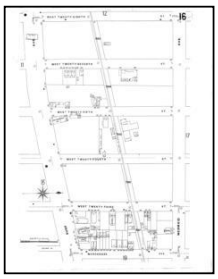
1906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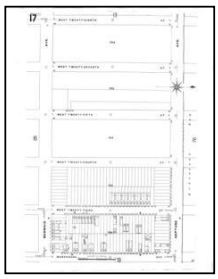
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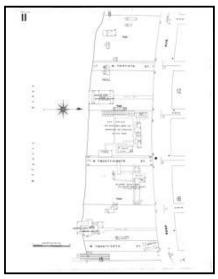
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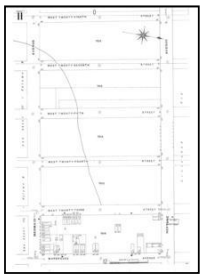
Volume B, Sheet 11
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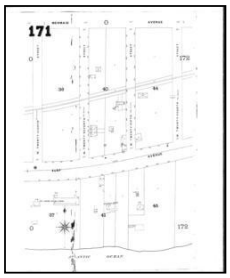
1895 Source Sheets



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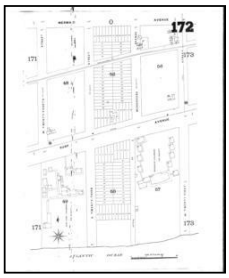

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1895

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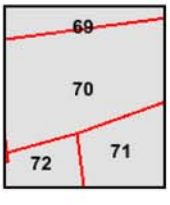

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0 Feet 150 300 600

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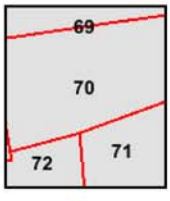

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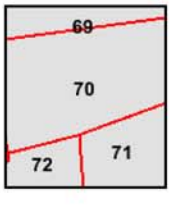

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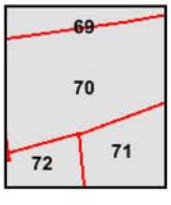

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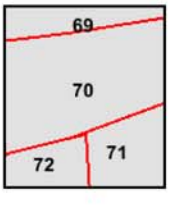

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Copyright	2002

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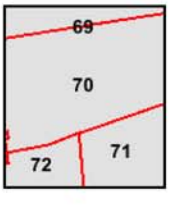

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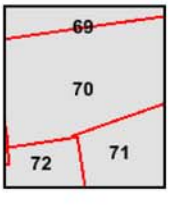

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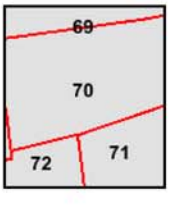

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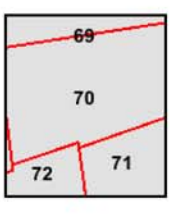

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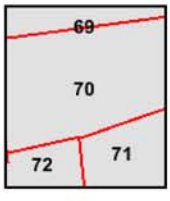

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1992

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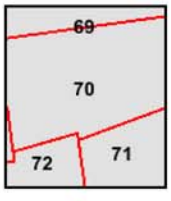

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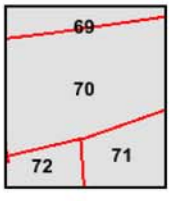

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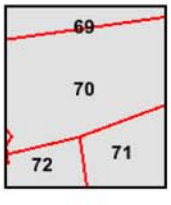

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Volume 18, Sheet 70
Volume 18, Sheet 69

0 Feet 150 300 600

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City, ST, ZIP:	Brooklyn, NY 11224
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Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1987

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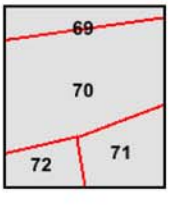

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Certified Sanborn® Map

1986

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City, ST, ZIP:	Brooklyn, NY 11224
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Copyright	1986

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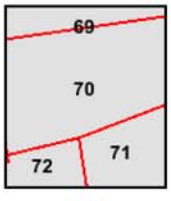

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Volume 18, Sheet 69

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Certification #	732D-4915-AD3D
Copyright	1983

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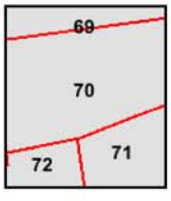

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Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright 1982

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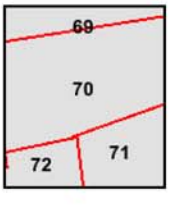

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Certification #	732D-4915-AD3D
Copyright	1981

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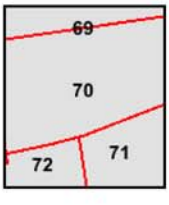

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Certification #	732D-4915-AD3D
Copyright	1980

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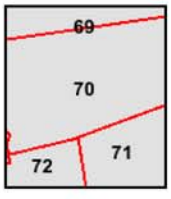

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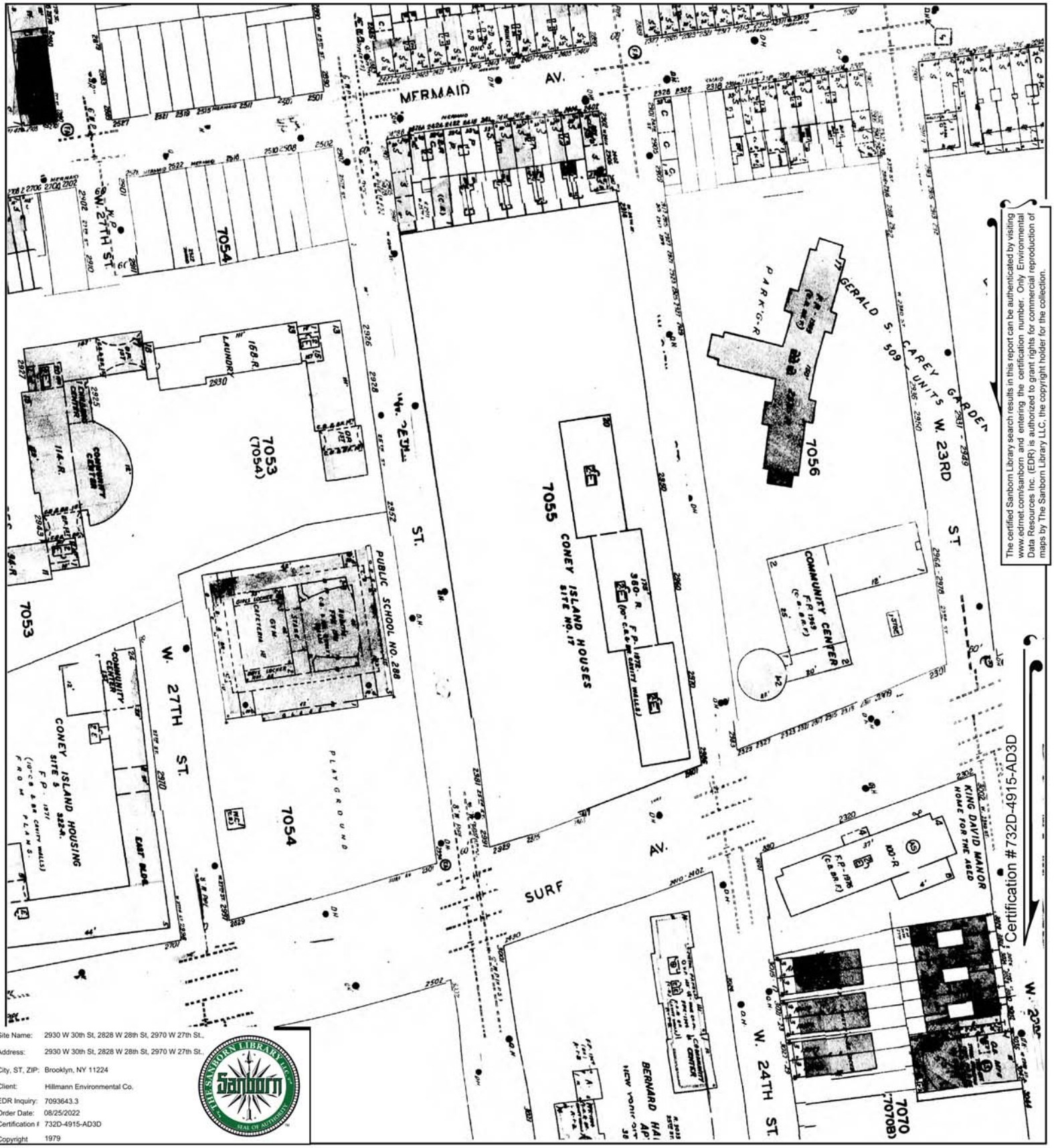

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Copyright 1979

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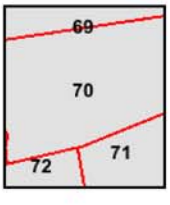

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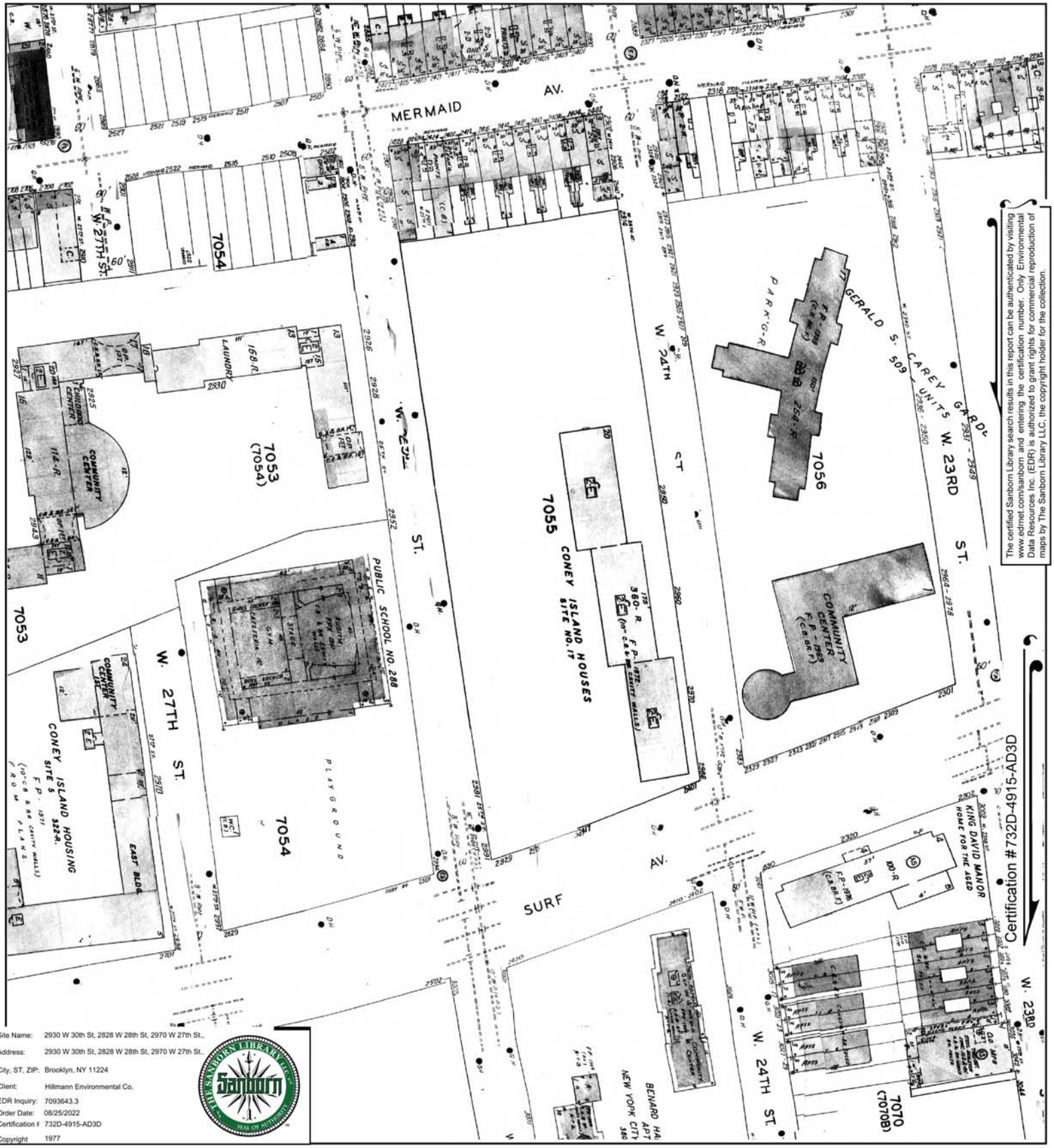

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Copyright	1977

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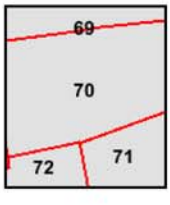

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Copyright 1968

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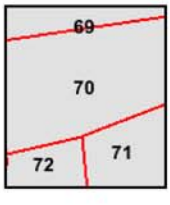

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Copyright	1966

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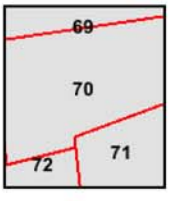

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Copyright 1950

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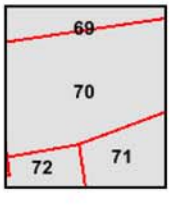

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Certification #	732D-4915-AD3D
Copyright	1930

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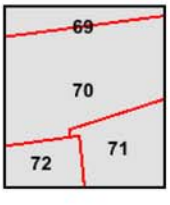

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Copyright 1906

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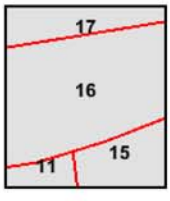

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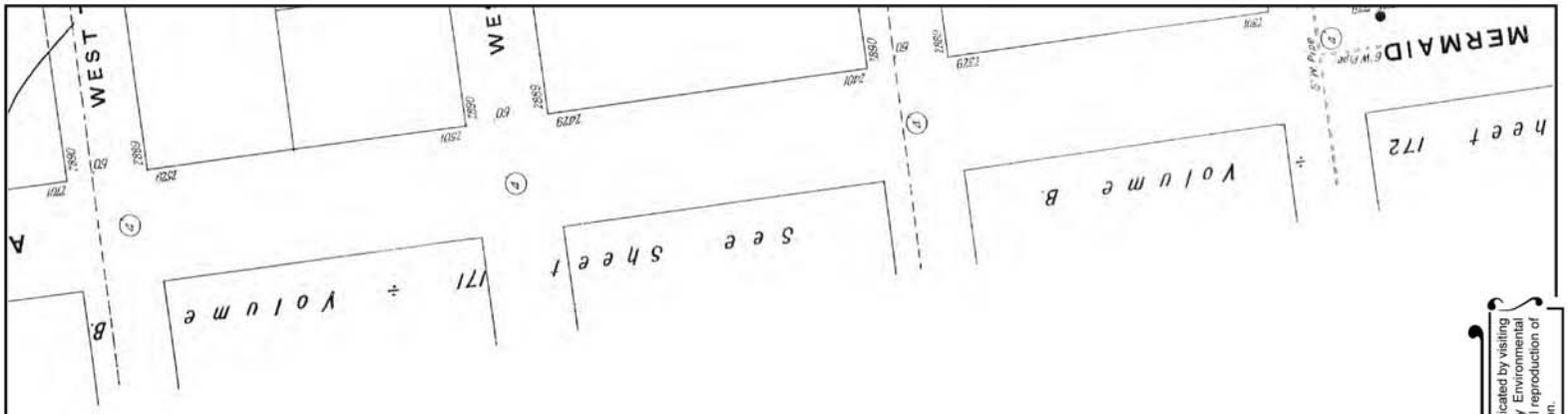

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Order Date: 08/25/2022
Certification #: 732D-4915-AD3D
Copyright: 1905

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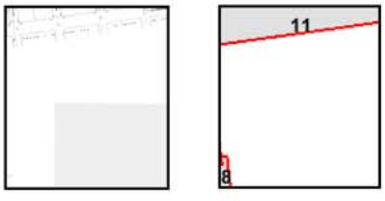

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City, ST, ZIP:	Brooklyn, NY 11224
Client:	Hillmann Environmental Co.
EDR Inquiry:	7093643.3
Order Date:	08/25/2022
Certification #	732D-4915-AD3D
Copyright	1895

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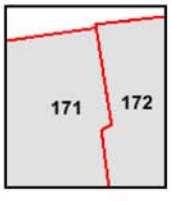

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APPENDIX E

REGULATORY RECORDS DOCUMENTATION

2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,
Brooklyn, NY 11224

Inquiry Number: 7093643.2s
August 22, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
BROOKLYN, NY 11224

COORDINATES

Latitude (North):	40.5759350 - 40ˆ 34' 33.36''
Longitude (West):	73.9952170 - 73ˆ 59' 42.78''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	585046.0
UTM Y (Meters):	4491957.5
Elevation:	3 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14105972 CONEY ISLAND, NY
Version Date:	2019
West Map:	14071946 THE NARROWS, NY
Version Date:	2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150522
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
BROOKLYN, NY 11224

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LOT 11,TAXBLOCK 7011	2828 WEST 28 STREET	NY E DESIGNATION		TP
A2		2970 WEST 27 STREET	NY LEAD		TP
A3		2930 WEST 30TH	ERNS		TP
A4	SEA PARK NORTH HDFC	2828 WEST 28TH STREE	NY UST, NY AST		TP
A5		2930 WEST 30 STREET	NY LEAD		TP
A6	SEA PARK WEST HDFC	2930 WEST 30TH STREE	NY UST, NY AST		TP
B7	SEA PARK EAST LP	2980 WEST 28TH STREE	NY UST, NY AST	Higher	1 ft.
B8	SPILL NUMBER 8805112	2980 W. 28TH ST	NY Spills	Higher	1 ft.
B9		2980 WEST 28 STREET	NY LEAD	Higher	1 ft.
C10	CONEY ISLAND I SITE	2925 WEST 27TH STREE	NY AST	Higher	11, 0.002, SE
C11	CONEY ISLAND I SITE	2925 WEST 27TH STREE	NY UST	Higher	11, 0.002, SE
D12	CON EDISON	2871 SURF AVE	NY MANIFEST	Higher	21, 0.004, South
E13	CON EDISON	2955 W 29TH ST	NY Spills, NY MANIFEST	Higher	26, 0.005, South
E14	CON EDISON - MANHOLE	2955 WEST 29 TH ST	RCRA-LQG	Higher	26, 0.005, South
A15	2827 MERMAID AVENUE	2827 MERMAID AVENUE	NY Spills	Higher	28, 0.005, South
A16	LOT 54,TAXBLOCK 7011	2827 MERMAID AVENUE	NY E DESIGNATION	Higher	28, 0.005, South
A17	2827 MERMAID AVENUE	2827 MERMAID AVENUE	NY SPILLS 90	Higher	28, 0.005, South
F18	CON EDISON VAULT # 5	WEST 28TH STREET & M	NY Spills	Lower	30, 0.006, ESE
F19	CON EDISON VAULT #58	WEST 28TH STREET & M	NY Spills	Lower	30, 0.006, ESE
G20	SURFSIDE -NYCHA	2926 WEST 27TH STREE	NY LTANKS	Higher	36, 0.007, SE
E21	CON EDISON MANHOLE:	2965 W 29TH ST	RCRA NonGen / NLR, NY MANIFEST	Higher	46, 0.009, South
H22	LOT 1,TAXBLOCK 7011	2828 NEPTUNE AVENUE	NY E DESIGNATION	Lower	51, 0.010, North
A23	LOT 53,TAXBLOCK 7011	2825 MERMAID AVENUE	NY E DESIGNATION	Higher	52, 0.010, South
A24	LOT 49,TAXBLOCK 7011	2815 MERMAID AVENUE	NY E DESIGNATION	Higher	52, 0.010, SE
A25	LOT 51,TAXBLOCK 7011	2819 MERMAID AVENUE	NY E DESIGNATION	Higher	54, 0.010, SSE
A26	RESIDENCE	2819 MERMAID AVE	NY LTANKS	Higher	54, 0.010, SSE
A27	LOT 47,TAXBLOCK 7011	2809 MERMAID AVENUE	NY E DESIGNATION	Higher	54, 0.010, SE
A28	LOT 52,TAXBLOCK 7011	2823 MERMAID AVENUE	NY E DESIGNATION	Higher	54, 0.010, SSE
F29	USPS - CONEY ISLAND	2727 MERMAID AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	60, 0.011, East
I30	CON EDISON	W 30TH ST & SURF AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	62, 0.012, South
H31	MANHOLE #36383	NEPTUNE AV & W 28TH	NY Spills	Lower	65, 0.012, North
A32	LOT 46,TAXBLOCK 7011	2807 MERMAID AVENUE	NY E DESIGNATION	Lower	69, 0.013, ESE
A33	LOT 45,TAXBLOCK 7011	2805 MERMAID AVENUE	NY E DESIGNATION	Lower	73, 0.014, ESE
D34	CON EDISON MANHOLE:	3047 W 29TH ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	73, 0.014, South
J35	CON EDISON - SERVICE	2960 W 31 ST	RCRA-LQG	Higher	75, 0.014, SSW
J36	CON EDISON - SERVICE	2960 W 31 ST	NY MANIFEST	Higher	75, 0.014, SSW
J37	CON EDISON	2960 W 31ST	NY MANIFEST	Higher	75, 0.014, SSW
J38	CON EDISON	2960 W 31 ST	NY MANIFEST	Higher	75, 0.014, SSW
K39	NYC DEPT OF EDUCATIO	2929 W 30TH ST	RCRA-SQG	Higher	76, 0.014, SSW

MAPPED SITES SUMMARY

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40	NYC DEPT OF EDUCATIO	2929 W 30TH ST	NY AST, NY Spills, NY MANIFEST	Higher	76, 0.014, SSW
J41	SURFSIDE GARDENS (B	2940 WEST 31ST STREE	NY LTANKS, NY UST, NY Spills	Higher	76, 0.014, SW
J42	SURFSIDE GARDENS (B	2940 WEST 31ST STREE	NY AST	Higher	76, 0.014, SW
D43	METROPOLITAN JEWISH	3023 WEST 29TH STREE	NY AST	Higher	79, 0.015, South
I44	CON EDISON SERVICE B	3010 SURF AVE FRONT	RCRA NonGen / NLR, FINDS	Higher	82, 0.016, SSW
I45	CON EDISON	3010 SURF AVE FRONT	NY MANIFEST	Higher	82, 0.016, SSW
I46	CON EDISON	3030 SURF AVE	NY MANIFEST	Higher	82, 0.016, SSW
I47	CON EDISON	3030 SURF AVE	NJ MANIFEST	Higher	82, 0.016, SSW
I48	CON EDISON	3030 SURF AVE	RCRA NonGen / NLR	Higher	82, 0.016, SSW
I49	NYCHA - CONEY ISLAND	3002 SURF AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	83, 0.016, South
I50	CONEY ISLAND HOUSES	3020 SURF AVENUE	NY LTANKS, NY UST, NY AST, NY Spills	Higher	83, 0.016, SSW
A51	INTERSECTION 129TH S	INTERSECTION 129TH S	NY Spills	Higher	85, 0.016, SSW
A52	MANHOLE 36339	MERMAID AVE & WEST 2	NY Spills	Higher	86, 0.016, SSW
A53	MANHOLE 71777	W 29TH ST & MERMAID	NY Spills	Higher	86, 0.016, SSW
G54	NYCDEP	2927 W 27TH ST	RCRA NonGen / NLR, NJ MANIFEST, NY MANIFEST	Lower	89, 0.017, ESE
J55	NYCHA - CONEY ISLAND	3110 SURF AVE	RCRA-SQG	Higher	97, 0.018, SSW
J56	NYCHA - CONEY ISLAND	3110 SURF AVE	RCRA-VSQG	Higher	97, 0.018, SSW
F57	IFO (SERVICE BOX #36	2715 MERMAID AVE	NY Spills	Lower	101, 0.019, East
I58	LOT 54,TAXBLOCK 7051	2919 SURF AVENUE	NY E DESIGNATION	Higher	103, 0.020, South
A59	CON EDISON - VAULT S	2900 MERMAID AVE	RCRA-LQG	Higher	108, 0.020, SSW
A60	LOT 4,TAXBLOCK 7064	2900 MERMAID AVENUE	NY E DESIGNATION	Higher	108, 0.020, SSW
A61	VAULT ZS5234	2900 MERMAID AVE	NY Spills	Higher	108, 0.020, SSW
A62	CON EDISON	2900 MERMAID AVE	NY MANIFEST	Higher	108, 0.020, SSW
D63	CON EDISON - MH 7177	W. 29TH ST. & SURF A	RCRA NonGen / NLR, NY MANIFEST	Higher	110, 0.021, South
D64	CON EDISON MANHOLE:	W 29TH ST & SURF AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	119, 0.023, South
B65	2730 SURF AVE	2730 SURF AVE	NY Spills	Higher	122, 0.023, SSE
B66	2730 SURF AVE	2730 SURF AVE	NY SPILLS 90	Higher	122, 0.023, SSE
C67	SURF PLAYGROUND	2501 SURF AVENUE	NY UST	Higher	135, 0.026, SE
C68	NYC PARKS	2501 SURF AVE	NY Spills	Higher	135, 0.026, SE
D69	CON EDISON - MANHOLE	3028 W 29TH ST	RCRA-LQG, NY MANIFEST	Higher	144, 0.027, South
D70	CON EDISON - MANHOLE	3028 WEST 29TH ST	RCRA-LQG, NY MANIFEST	Higher	144, 0.027, South
71	TRANSFORMER 4364	WEST 31ST ST/SURF AN	NY Spills	Higher	148, 0.028, SSW
I72	CON EDISON - MANHOLE	2913 SURF AVE	RCRA-LQG	Higher	149, 0.028, South
I73	CON EDISON - MANHOLE	2913 SURF AVE	NY MANIFEST	Higher	149, 0.028, South
L74	RITTE AID 4257	3001-27 MERMAID AVE	PA MANIFEST	Higher	168, 0.032, WSW
L75	RITE AID #04257	3001-27 MERMAID AVE	RCRA-VSQG	Higher	168, 0.032, WSW
L76	RITE AID #4257	3001-27 MERMAID AVE	NY MANIFEST	Higher	168, 0.032, WSW
M77	VAULT 3996	SURF AVENUE AT 25TH	NY Spills	Higher	185, 0.035, SE
N78	MANHOLE 71777	WEST 29TH STREET+MER	NY Spills	Higher	185, 0.035, South

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N79	MANHOLE 71777	W 29TH ST /MERMAID A	NY Spills	Higher	185, 0.035, South
D80	LOT 48,TAXBLOCK 7051	2907 SURF AVENUE	NY E DESIGNATION	Higher	198, 0.038, South
H81	CON EDISON MANHOLE:	S NEPTUNE AVE & W 29	RCRA NonGen / NLR, NY MANIFEST	Lower	201, 0.038, NNW
D82	MANHOLE #71776	WEST 29TH ST/NESURF	NY Spills	Higher	234, 0.044, South
D83	TS 6002	WEST 29TH ST SURF AV	NY Spills	Higher	234, 0.044, South
D84	WEST 29TH ST & SURF	W. 29TH ST & SURF AV	NY Spills	Higher	234, 0.044, South
D85	VAULT 5977	WEST 29TH ST/SURF AV	NY Spills	Higher	234, 0.044, South
D86	VS 4031	SURF ST/W 29TH ST	NY Spills	Higher	234, 0.044, South
M87	CON EDISON MANHOLE:	SURF AVE & W 25TH ST	RCRA NonGen / NLR, NY MANIFEST	Higher	272, 0.052, SE
O88	NYC SCHOOL CONSTRUCT	2950 W 25TH ST	RCRA NonGen / NLR, NY MANIFEST	Lower	272, 0.052, ESE
O89	NYC SCHOOL CONSTRUCT	2950 WEST 25TH STREE	PA MANIFEST	Lower	272, 0.052, ESE
O90	SANDY FOLLOW UP	2950 WEST 25TH STREE	NY AST, NY Spills	Lower	272, 0.052, ESE
O91	NYC DEPT OF EDUCATIO	2950 W 25TH ST	RCRA-SQG, NY MANIFEST	Lower	272, 0.052, ESE
M92	CON EDISON - VS 5766	WEST 25 ST & SURF AV	RCRA NonGen / NLR, NY MANIFEST	Higher	276, 0.052, SE
M93	CONEY ISLAND GARAGE	WEST 25TH STREET AND	NY AST	Higher	276, 0.052, SE
M94	CONEY ISLAND GARAGE	WEST 25TH STREET AND	NY UST	Higher	276, 0.052, SE
M95	CONEY ISLAND MAINT G	3026 WEST 25TH ST	NY Spills	Higher	278, 0.053, SE
M96	CONEY ISLAND GARAGE	WEST 25TH STREET & S	NY LTANKS	Higher	278, 0.053, SE
M97	CONEY ISLAND GARAGE	WEST 25TH STREET & S	NY LTANKS	Higher	278, 0.053, SE
M98	CONEY ISLAND GARAGE	WEST 25TH STREET & S	NY Spills	Higher	278, 0.053, SE
M99	CONEY ISLAND GARAGE	WEST 25 & SURF AV	NY Spills	Higher	278, 0.053, SE
M100	CONSTRUCTION SITE	3026 W25TH ST	NY Spills	Higher	301, 0.057, SE
O101	NYCHA - SURFSIDE GAR	2926 W 25TH ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	305, 0.058, ESE
P102	NYNEX	W 27TH ST & NEPTUNE	NY MANIFEST	Lower	325, 0.062, NNE
M103	HABER HOUSES (CAREY	3033 WEST 25TH STREE	NY LTANKS, NY UST, NY Spills	Higher	329, 0.062, SE
Q104	POLE 63537	2877 W 27 ST	NY Spills	Lower	338, 0.064, East
105	MANHOLE 67445	WEST 32ND ST &MERMAI	NY Spills	Higher	356, 0.067, WSW
R106	SURF AVE & W 32ND ST	SURF AVE & W 32ND ST	NY Spills	Higher	363, 0.069, SSW
S107	CON EDISON - MANHOLE	2930 NEPTUNE AVE	RCRA-LQG	Higher	406, 0.077, NW
S108	CON EDISON	2930 NEPTUNE AVE FRO	NY MANIFEST	Higher	406, 0.077, NW
109	MANHOLE #36348	W 25TH ST & MERMAID	NY Spills	Lower	430, 0.081, ESE
T110	POLE 20462	OPP 2867 W 32 ST	NY Spills	Higher	441, 0.084, West
S111	OVERHEAD POLE 69014	2822 WEST 30TH ST	NY Spills	Higher	478, 0.091, NW
Q112	CON EDISON	MERMAID AVE AND W 25	NY MANIFEST	Lower	488, 0.092, East
P113	FIRE HOUSE ENG. 318	2510 NEPTUNE AVENUE	NY AST	Lower	503, 0.095, NE
U114	CON EDISON	3000 W 24TH ST	NY MANIFEST	Higher	526, 0.100, ESE
U115	CON EDISON	2410 SURF AVE	NY MANIFEST	Higher	540, 0.102, SE
U116	NOTH CRAB COMPARTMEN	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE
U117	TRANSFORMER VAULT VS	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE

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U118	VS 5762	WEST 24TH /SURF AVE	NY Spills	Higher	574, 0.109, ESE
U119	TRANSFORMER VAULT #V	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE
U120	VAULT #5747	W 24TH ST/SURF AVE	NY Spills	Higher	574, 0.109, ESE
U121	SOUTH CRAB COMPARTME	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE
U122	TRANSFORMER VAULT VS	WEST 24TH ST/SURF AV	NY Spills	Higher	574, 0.109, ESE
V123	O'DWYER GARDENS (SUR	2959 WEST 33RD STREE	NY LTANKS, NY UST, NY Spills	Higher	592, 0.112, SW
V124	O'DWYER GARDENS (SUR	2959 WEST 33RD STREE	NY AST	Higher	592, 0.112, SW
V125	NYCHA - ODWYER GARDE	2963 W 33RD ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	592, 0.112, SW
V126	NYC HOUSING AUTHORIT	2951 WEST 33RD ST	NY Spills	Higher	592, 0.112, SW
R127	NYCHA - ODWYER	2995 W 33RD ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	592, 0.112, SW
W128	O'DYER GARDENS	2951 W. 33RD ST	NY LTANKS	Higher	596, 0.113, WSW
W129	NYCHA - ODWYER GARDE	2935 W 33RD ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	600, 0.114, SW
X130	CONEY ISLAND CREEK	2529 NEPTUNE AVE	NY Spills	Lower	601, 0.114, North
X131	CREEK	2529 NEPTUNE AVE	NY Spills	Lower	601, 0.114, North
X132	KAISER PARK	2529 NEPTUNE AVE	NY Spills	Lower	601, 0.114, North
Y133	CON EDISON MANHOLE:	3018 W 24TH ST OPPOS	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	610, 0.116, SE
Y134	CON EDISON MANHOLE:	3018 W 24TH ST OPPOS	NJ MANIFEST	Higher	610, 0.116, SE
Z135	CAREY GARDENS	2955 WEST 24TH STREE	NY UST	Lower	610, 0.116, ESE
Z136	NYC-HA CAREY GARDENS	2955 W 24TH STREET	RCRA-SQG, ICIS, US AIRS, NY MANIFEST	Lower	610, 0.116, ESE
AA137	MAINTENANCE BUILDING	WEST 25TH STREET & B	NY AST	Higher	615, 0.116, SE
V138	SPILL NUMBER 9809231	WEST 33RD ST/SURF AV	NY Spills	Higher	639, 0.121, SW
V139	VAULT 43551	WEST 33RD ST/SURF AV	NY Spills	Higher	639, 0.121, SW
140	GAS ODORS AT RINGELM	2901 RINGELMAN BOARD	NY Spills	Higher	647, 0.123, South
AB141	ROADWAY	MERMAID AVE AND WEST	NY Spills	Higher	652, 0.123, WSW
AB142	CON EDISON	W 33 ST AND MERMAID	NY MANIFEST	Higher	652, 0.123, WSW
T143	SURFSIDE GARDENS	2839 WEST 32ND STREE	NY UST	Higher	666, 0.126, West
T144	NYCHA - SURFSIDE GAR	2839 W 32ND ST	RCRA NonGen / NLR	Higher	666, 0.126, West
AB145	CON EDISON	2908 W 33RD ST	NY MANIFEST	Higher	716, 0.136, WSW
V146	FEDERATION EMPLOYMEN	3312 SURF AVENUE	NY UST	Higher	728, 0.138, SW
AB147	CON EDISON	2888 W 33 ST	NY MANIFEST	Higher	733, 0.139, WSW
AB148	CON EDISON	2888 W 33 ST	NY MANIFEST	Higher	733, 0.139, WSW
AC149	NYC DEPT OF EDUCATIO	2401 NEPTUNE AVE	NY Spills, NY MANIFEST	Lower	737, 0.140, NE
AC150	NYC DEPT OF EDUCATIO	2401 NEPTUNE AVE	RCRA-SQG, FINDS, ECHO	Lower	737, 0.140, NE
AC151	I.S. 239 - BROOKLYN	2401 NEPTUNE AVENUE	NY AST	Lower	737, 0.140, NE
AD152	CON EDISON	2400 MERMAID AVE	NY MANIFEST	Lower	739, 0.140, East
AD153	CON EDISON	2400 MERMAID AVE	NY MANIFEST	Lower	739, 0.140, East
AE154	NYCHA - CONEY ISLAND	3058 W 24TH ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	767, 0.145, SE
AE155	NYCHA - CONEY ISLAND	3058 W 24TH ST	NJ MANIFEST	Higher	767, 0.145, SE
AD156	CON EDISON	FO 2850 W 24TH ST	NY MANIFEST	Lower	791, 0.150, East

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AF157	CON EDISON - MANHOLE	2315 SURF AVE	RCRA-LQG, NY MANIFEST	Higher	825, 0.156, ESE
AA158	KAISER PARK	WEST 25TH STREET & B	NY UST	Higher	847, 0.160, SSE
AF159	CON EDISON	W 23RD ST & SURF AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	871, 0.165, ESE
AG160	CON EDISON - VAULT S	2946 W 23RD ST	RCRA-LQG	Lower	883, 0.167, ESE
AG161	CON EDISON - VAULT S	2946 W 23RD ST	NY MANIFEST	Lower	883, 0.167, ESE
AG162	CON EDISON - VAULT V	2946 W 23RD ST	NY MANIFEST	Lower	883, 0.167, ESE
AG163	CON EDISON - VAULT V	2946 W 23RD ST	RCRA-LQG	Lower	883, 0.167, ESE
AH164	CON EDISON MANHOLE:	2811 W 32ND ST FRONT	NJ MANIFEST	Higher	894, 0.169, WNW
AH165	CON EDISON MANHOLE:	2811 W 32ND ST FRONT	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	894, 0.169, WNW
AG166	CAREY GARDENS -NYCHA	2955 WEST 23RD ST	NY LTANKS, NY Spills	Higher	914, 0.173, ESE
167	CON EDISON - MANHOLE	WEST 35TH ST	RCRA-LQG, NY MANIFEST	Higher	918, 0.174, SW
AG168	NYCHA - CAREY GARDEN	2945-49 W 23RD ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	925, 0.175, East
AI169	CONEY ISLAND SITE 8	2950 WEST 35TH STREE	NY UST, NY AST	Higher	943, 0.179, WSW
AI170	APARTMENT -NYCHA	2950 WEST 35TH STREE	NY LTANKS, NY Spills	Higher	943, 0.179, WSW
AJ171	CON EDISON MANHOLE:	2302 MERMAID AVE	RCRA NonGen / NLR, NY MANIFEST	Lower	945, 0.179, East
AC172	NEPTUNE PUMPING STAT	2327 NEPTUNE AVE	NY TANKS	Lower	959, 0.182, NE
AK173	SURFSIDE HOUSES -NYC	2839 W 33RD STREET	NY LTANKS	Higher	975, 0.185, West
AJ174	CON EDISON	MERMAID AVE & W 23RD	NY MANIFEST	Lower	1024, 0.194, East
AJ175	CON EDISON MANHOLE:	MERMAID AVE & W 23RD	RCRA NonGen / NLR	Lower	1024, 0.194, East
176	SPECIAL HOSPITAL		FUDS	Higher	1051, 0.199, SE
AH177	NYNEX	32ND ST & NEPTUNE AV	NY MANIFEST	Higher	1053, 0.199, WNW
AL178	NEPTUNE AVENUE PUMPI	2327 NEPTUNE AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1059, 0.201, NE
AM179	POLICE SERVICE AREA	2860 WEST 23RD STREE	NY AST	Lower	1098, 0.208, ENE
AM180	CON EDISON - MANHOLE	2860 WEST 23RD ST	RCRA-LQG, NY MANIFEST	Lower	1098, 0.208, ENE
AL181	ROBIN BUS CO	2302 NEPTUNE AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1117, 0.212, ENE
AN182	CON EDISON	3054 W 22ND ST	NJ MANIFEST	Higher	1144, 0.217, ESE
AN183	CON EDISON	3054 W 22ND ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1144, 0.217, ESE
AN184	CON EDISON	3054 W 22ND ST	NY MANIFEST	Higher	1144, 0.217, ESE
AO185	CON EDISON	SURF AVE & 21ST ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1160, 0.220, ESE
AO186	CON EDISON	SURF AVE & 22ND ST	RCRA NonGen / NLR	Higher	1160, 0.220, ESE
AO187	NEW YORK TELEPHONE	W 22 & SURF AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	1166, 0.221, ESE
AM188	CON EDISON	2832 W 23RD ST	NY MANIFEST	Lower	1169, 0.221, ENE
AM189	CAREY GARDENS	2832 WEST 23RD STREE	NY UST, NY AST	Lower	1169, 0.221, ENE
AM190	CAREY GARDENS II -NY	2832 WEST 23RD ST	NY LTANKS, NY Spills	Lower	1169, 0.221, ENE
AL191	SUFSIDE MARINA	W. 22ND & W. 23RD ST	NY LTANKS	Lower	1172, 0.222, NE
AP192	NYCHA - CAREY GARDEN	2932 W 22ND ST	RCRA-VSQG, FINDS, ECHO, NJ MANIFEST, NY MANIFEST	Lower	1194, 0.226, East
AK193	NYNEX	W 33RD ST & NEPTUNE	NY MANIFEST	Higher	1194, 0.226, WNW
AK194	CON EDISON	W 33RD ST AND NEPTUN	NY MANIFEST	Higher	1194, 0.226, WNW
AQ195	FRIENDSET APARTMENTS	2911 WEST 36TH STREE	NY AST	Higher	1198, 0.227, WSW

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AQ196	FRIENDSET APARTMENTS	2911 WEST 36TH STREE	NY UST	Higher	1198, 0.227, WSW
AQ197	FRIENDSET APARTMENTS	2911 WEST 36TH STREE	NY LTANKS	Higher	1198, 0.227, WSW
AR198	CON EDISON	W 36TH ST & SURF AVE	RCRA NonGen / NLR, ECHO	Higher	1211, 0.229, WSW
AR199	CON EDISON - MANHOLE	SURF AVE	RCRA-LQG, NY MANIFEST	Higher	1211, 0.229, WSW
AR200	CON EDISON - MANHOLE	SURF AVE	RCRA-LQG, NY MANIFEST	Higher	1211, 0.229, WSW
AL201	NYC PARKS	WEST 23RD ST & NEPTU	NY LTANKS	Lower	1216, 0.230, NE
AL202	CON EDISON	NEPTUNE AVE & W 23RD	RCRA NonGen / NLR, FINDS, ECHO	Lower	1216, 0.230, NE
AL203	CON EDISON	NEPTUNE AVE & W 23RD	NJ MANIFEST	Lower	1216, 0.230, NE
AL204	CON ED	NEPTUNE AVE & W 23RD	NY MANIFEST	Lower	1216, 0.230, NE
AS205	NYC-HA GRAVESEND HOU	2719 W 33RD ST	RCRA NonGen / NLR, US AIRS, FINDS, ECHO, NY...	Higher	1233, 0.234, WNW
AS206	BAY PK I	3325 NEPTUNE AVE	NY UST	Higher	1233, 0.234, WNW
AS207	PUBLIC SCHOOL 188 -	3314 NEPTUNE AVENUE	NY AST	Higher	1247, 0.236, WNW
AT208	PUBLIC SCHOOL 188 K	2815 W 35TH ST	RCRA-LQG, NY MANIFEST, NJ MANIFEST	Higher	1253, 0.237, West
AO209	DIAL FRENCH CLEANERS	2115 SURF AVENUE	NY DRYCLEANERS	Lower	1262, 0.239, ESE
AO210	KING CLEANERS	2115 SURF AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1262, 0.239, ESE
AS211	FORMER GATEWAY FRENC	3375-3377 NEPTUNE AV	NY SHWS, NY ENG CONTROLS, NY INST CONTROL, NY...	Higher	1273, 0.241, WNW
AS212	GATEWAY FRENCH CLEAN	3377 NEPTUNE AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1275, 0.241, WNW
AP213	CON EDISON	MERMAID & 22ND ST MH	RCRA NonGen / NLR, FINDS, ECHO	Lower	1285, 0.243, East
AS214	BAY PARK II	3415 NEPTUNE AVENUE	NY UST	Higher	1307, 0.248, WNW
215	CON EDISON	SURF AVE & W 37TH ST	NY LTANKS, NY MANIFEST	Higher	1369, 0.259, WSW
AT216	HISTORIC DRY CLEANER	3503-3505 NEPTUNE AV	NY BROWNFIELDS	Higher	1398, 0.265, WNW
217	APARTMENT BLDG	3415 NEPTUNE AVE	NY LTANKS	Higher	1591, 0.301, WNW
218	GRAVESEND HOUSES (O'	2719 WEST 33RD STREE	NY LTANKS, NY UST, NY Spills	Higher	1631, 0.309, NW
219	CONEY ISLAND SITE 1B	2007 SURF AVENUE	NY LTANKS, NY UST, NY AST, NY Spills	Higher	1667, 0.316, East
220	SEA GATE F C STA		FUDS	Higher	1885, 0.357, WSW
221	BROOKLYN EAST 13 DOS	2012 NEPTUNE AVENUE	NY LTANKS, NY Spills	Lower	1903, 0.360, ENE
222	NYNEX	1919 NEPTUNE AVE	NY LTANKS, NY Spills, NY MANIFEST	Lower	2266, 0.429, ENE
223	APT HOUSES	2675 WEST 36TH ST	NY LTANKS	Higher	2281, 0.432, NW
224	DIME SAVINGS BANK	2909 WEST 17TH ST	NY LTANKS	Higher	2441, 0.462, East
225	LOT 28,TAXBLOCK 7062	1607 SURF AVENUE	NY BROWNFIELDS, NY E DESIGNATION, NY SPDES	Higher	2532, 0.480, East
226	WHEELER SHIPYARD		FUDS	Higher	3109, 0.589, NE
227	TOPS APPLIANCE CITY	1525 - 1535 HART PLA	NY SHWS, NY VCP	Lower	3257, 0.617, NE
228	NORTON PT SEA LIG SI		FUDS	Higher	4025, 0.762, West
AU229	BROOKLYN BOROUGH GAS	NEPTUNE AVENUE, CONE	EDR MGP	Higher	4549, 0.862, ENE
AU230	K - FORMER BROOKLYN	2731 WEST 12TH STREE	NY SHWS	Higher	4699, 0.890, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LOT 11,TAXBLOCK 7011 2828 WEST 28 STREET BROOKLYN, NY	NY E DESIGNATION	N/A
2970 WEST 27 STREET 2970 WEST 27 STREET BROOKLYN, NY 11224	NY LEAD Database: NYC LEAD 2, Date of Government Version: 04/25/2022	N/A
2930 WEST 30TH 2930 WEST 30TH BROOKLYN, NY 10001	ERNS NRC Report #: 567614 Incident Date Time: 2001-05-29 13:25:00	N/A
SEA PARK NORTH HDFC 2828 WEST 28TH STREE BROOKLYN, NY 11224	NY UST Database: UST, Date of Government Version: 03/21/2022 NY AST Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-600253	N/A
2930 WEST 30 STREET 2930 WEST 30 STREET BROOKLYN, NY 11224	NY LEAD Database: NYC LEAD 2, Date of Government Version: 04/25/2022	N/A
SEA PARK WEST HDFC 2930 WEST 30TH STREE BROOKLYN, NY 11224	NY UST Database: UST, Date of Government Version: 03/21/2022 NY AST Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-600254	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Lists of state and tribal landfills and solid waste disposal facilities

NY SWF/LF ---------- Facility Register

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS ---------- Listing of Leaking Storage Tanks

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
NY CBS UST ---------- Chemical Bulk Storage Database
NY MOSF UST ---------- Major Oil Storage Facilities Database
NY MOSF ---------- Major Oil Storage Facility Site Listing
NY CBS ---------- Chemical Bulk Storage Site Listing
NY CBS AST ---------- Chemical Bulk Storage Database
NY MOSF AST ---------- Major Oil Storage Facilities Database
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

NY RES DECL ---------- Restrictive Declarations Listing

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

EXECUTIVE SUMMARY

Lists of state and tribal brownfield sites

NY ERP ---------- Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWTIRE ---------- Registered Waste Tire Storage & Facility List
NY SWRCY ---------- Registered Recycling Facility List
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
NY DEL SHWS ---------- Delisted Registry Sites
US CDL ---------- National Clandestine Laboratory Register
NY PFAS ---------- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

NY HIST UST ---------- Historical Petroleum Bulk Storage Database
NY HIST AST ---------- Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ---------- Spill Liens Information
LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
NY Hist Spills ---------- SPILLS Database
NY SPILLS 80 ---------- SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
ROD ---------- Records Of Decision

RMP Risk Management Plans
RAATS RCRA Administrative Action Tracking System
PRP Potentially Responsible Parties
PADS PCB Activity Database System
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS Material Licensing Tracking System
COAL ASH DOE Steam-Electric Plant Operation Data
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER PCB Transformer Registration Database
RADINFO Radiation Information Database
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
DOCKET HWC Hazardous Waste Compliance Docket Listing
UXO Unexploded Ordnance Sites
FUELS PROGRAM EPA Fuels Program Registered Listing
NY AIRS Air Emissions Data
NY COAL ASH Coal Ash Disposal Site Listing
NY Financial Assurance Financial Assurance Information Listing
NY HSWDS Hazardous Substance Waste Disposal Site Inventory
NY VAPOR REOPENED Vapor Intrusion Legacy Site List
NY UIC Underground Injection Control Wells
NY COOLING TOWERS Registered Cooling Towers
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto EDR Exclusive Historical Auto Stations
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 15 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - MANHOLE EPA ID:: NYP004296265	2955 WEST 29 TH ST	S 0 - 1/8 (0.005 mi.)	E14	47
CON EDISON - SERVICE EPA ID:: NYP004353058	2960 W 31 ST	SSW 0 - 1/8 (0.014 mi.)	J35	77
CON EDISON - VAULT S EPA ID:: NYP005124706	2900 MERMAID AVE	SSW 0 - 1/8 (0.020 mi.)	A59	145
CON EDISON - MANHOLE EPA ID:: NYP004286340	***3028 W 29TH ST***	***S 0 - 1/8 (0.027 mi.)***	***D69***	***162***
CON EDISON - MANHOLE EPA ID:: NYP004286563	***3028 WEST 29TH ST***	***S 0 - 1/8 (0.027 mi.)***	***D70***	***166***
CON EDISON - MANHOLE EPA ID:: NYP005091301	2913 SURF AVE	S 0 - 1/8 (0.028 mi.)	I72	173
CON EDISON - MANHOLE EPA ID:: NYP004286803	2930 NEPTUNE AVE	NW 0 - 1/8 (0.077 mi.)	S107	262
CON EDISON - MANHOLE EPA ID:: NYP004287116	***2315 SURF AVE***	***ESE 1/8 - 1/4 (0.156 mi.)***	***AF157***	***375***
CON EDISON - MANHOLE EPA ID:: NYP004289229	***WEST 35TH ST***	***SW 1/8 - 1/4 (0.174 mi.)***	***167***	***403***
CON EDISON - MANHOLE EPA ID:: NYP004287421	***SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR199***	***493***
CON EDISON - MANHOLE EPA ID:: NYP004287439	***SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR200***	***497***
PUBLIC SCHOOL 188 K EPA ID:: NYR000179572	***2815 W 35TH ST***	***W 1/8 - 1/4 (0.237 mi.)***	***AT208***	***520***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - VAULT S EPA ID:: NYP005124250	2946 W 23RD ST	ESE 1/8 - 1/4 (0.167 mi.)	AG160	385
CON EDISON - VAULT V EPA ID:: NYP005023379	2946 W 23RD ST	ESE 1/8 - 1/4 (0.167 mi.)	AG163	389
CON EDISON - MANHOLE EPA ID:: NYP004293213	***2860 WEST 23RD ST***	***ENE 1/8 - 1/4 (0.208 mi.)***	***AM180***	***441***

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RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYC DEPT OF EDUCATIO EPA ID:: NYR000216507	2929 W 30TH ST	SSW 0 - 1/8 (0.014 mi.)	K39	84
NYCHA - CONEY ISLAND EPA ID:: NYR000238964	3110 SURF AVE	SSW 0 - 1/8 (0.018 mi.)	J55	139

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYC DEPT OF EDUCATIO EPA ID:: NYR000199000	***2950 W 25TH ST***	***ESE 0 - 1/8 (0.052 mi.)***	***O91***	***216***
NYC-HA CAREY GARDENS EPA ID:: NYD986870921	***2955 W 24TH STREET***	***ESE 0 - 1/8 (0.116 mi.)***	***Z136***	***327***
NYC DEPT OF EDUCATIO EPA ID:: NYR000207621	***2401 NEPTUNE AVE***	***NE 1/8 - 1/4 (0.140 mi.)***	***AC150***	***357***

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 3 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYCHA - CONEY ISLAND EPA ID:: NYR000239095	3110 SURF AVE	SSW 0 - 1/8 (0.018 mi.)	J56	141
RITE AID #04257 EPA ID:: NYR000186262	3001-27 MERMAID AVE	WSW 0 - 1/8 (0.032 mi.)	L75	179

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCHA - CAREY GARDEN EPA ID:: NYR000093393	***2932 W 22ND ST***	***E 1/8 - 1/4 (0.226 mi.)***	***AP192***	***475***

EXECUTIVE SUMMARY

Lists of state- and tribal hazardous waste facilities

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 05/09/2022 has revealed that there are 3 NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GATEWAY FRENC	***3375-3377 NEPTUNE AV***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS211***	***542***
Site Code: 447564				
K - FORMER BROOKLYN	2731 WEST 12TH STREE	ENE 1/2 - 1 (0.890 mi.)	AU230	668
Site Code: 55916				
Class Code: Site is properly closed - requires continued management.				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TOPS APPLIANCE CITY	***1525 - 1535 HART PLA***	***NE 1/2 - 1 (0.617 mi.)***	***227***	***665***
Site Code: 58040				

Lists of state and tribal leaking storage tanks

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/09/2022 has revealed that there are 24 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SURFSIDE -NYCHA	2926 WEST 27TH STREE	SE 0 - 1/8 (0.007 mi.)	G20	54
Spill Number/Closed Date: 9011481 / 2008-09-23				
Site ID: 185656				
Spill Date: 1991-01-31				
RESIDENCE	2819 MERMAID AVE	SSE 0 - 1/8 (0.010 mi.)	A26	61
Spill Number/Closed Date: 0510753 / 2006-08-21				
Site ID: 356790				
Spill Date: 2005-12-14				
SURFSIDE GARDENS (B	***2940 WEST 31ST STREE***	***SW 0 - 1/8 (0.014 mi.)***	***J41***	***92***
Spill Number/Closed Date: 9103939 / 1995-04-27				
Spill Number/Closed Date: 9411051 / 2005-12-29				
Spill Number/Closed Date: 9406062 / 1995-04-27				
Spill Number/Closed Date: 9305776 / 1995-04-27				
Site ID: 99908				
Site ID: 91118				
Site ID: 298283				

Site ID: 105680
Spill Date: 1991-07-12
Spill Date: 1994-11-17
Spill Date: 1994-08-03
Spill Date: 1993-08-06

CONEY ISLAND HOUSES	***3020 SURF AVENUE***	***SSW 0 - 1/8 (0.016 mi.)***	***I50***	***122***
Spill Number/Closed Date: 9803121 / 2005-10-19 Site ID: 327261 Spill Date: 1998-06-10				
CONEY ISLAND GARAGE	WEST 25TH STREET & S	SE 0 - 1/8 (0.053 mi.)	M96	238
Spill Number/Closed Date: 9505745 / 2006-05-17 Site ID: 217966 Spill Date: 1995-08-09				
CONEY ISLAND GARAGE	WEST 25TH STREET & S	SE 0 - 1/8 (0.053 mi.)	M97	239
Spill Number/Closed Date: 0205550 / 2003-08-06 Site ID: 172829 Spill Date: 2002-08-27				
HABER HOUSES (CAREY	***3033 WEST 25TH STREE***	***SE 0 - 1/8 (0.062 mi.)***	***M103***	***253***
Spill Number/Closed Date: 9608836 / 2005-10-24 Site ID: 196664 Spill Date: 1996-10-16				
O'DWYER GARDENS (SUR	***2959 WEST 33RD STREE***	***SW 0 - 1/8 (0.112 mi.)***	***V123***	***285***
Spill Number/Closed Date: 9107041 / 1995-04-26 Spill Number/Closed Date: 9315460 / 1995-04-26 Spill Number/Closed Date: 9315461 / 1995-04-26 Spill Number/Closed Date: 9415851 / Not Reported Spill Number/Closed Date: 9416977 / 2008-01-15 Site ID: 148893 Site ID: 201620 Site ID: 201621 Site ID: 201622 Site ID: 322203 Spill Date: 1991-10-01 Spill Date: 1991-09-18 Spill Date: 1992-03-28 Spill Date: 1995-03-07 Spill Date: 1995-03-31				
O'DYER GARDENS	2951 W. 33RD ST	WSW 0 - 1/8 (0.113 mi.)	W128	309
Spill Number/Closed Date: 9906184 / 2003-03-20 Site ID: 80793 Spill Date: 1999-08-24				
CAREY GARDENS -NYCHA	***2955 WEST 23RD ST***	***ESE 1/8 - 1/4 (0.173 mi.)***	***AG166***	***397***
Spill Number/Closed Date: 9413624 / 1996-07-17 Spill Number/Closed Date: 9604664 / 2005-03-17 Spill Number/Closed Date: 9414548 / 2003-10-27 Site ID: 105689 Site ID: 105690 Site ID: 231395 Spill Date: 1994-01-12 Spill Date: 1996-07-09 Spill Date: 1995-02-03				
APARTMENT -NYCHA	***2950 WEST 35TH STREE***	***WSW 1/8 - 1/4 (0.179 mi.)***	***AI170***	***418***

Spill Number/Closed Date: 9011619 / 2011-05-26
Site ID: 86534
Spill Date: 1991-02-05

SURFSIDE HOUSES -NYC | 2839 W 33RD STREET | W 1/8 - 1/4 (0.185 mi.) | AK173 | 426
Spill Number/Closed Date: 9102831 / 2015-06-05
Site ID: 303978
Spill Date: 1991-06-11

FRIENDSET APARTMENTS | 2911 WEST 36TH STREE | WSW 1/8 - 1/4 (0.227 mi.) | AQ197 | 489
Spill Number/Closed Date: 0209442 / 2008-12-04
Site ID: 137964
Spill Date: 2002-12-13

CON EDISON | SURF AVE & W 37TH ST | WSW 1/4 - 1/2 (0.259 mi.) | 215 | 582
Spill Number/Closed Date: 0002117 / 2004-07-27
Spill Number/Closed Date: 9914738 / 2005-05-03
Spill Number/Closed Date: 0212373 / 2003-03-17
Site ID: 225208
Site ID: 225209
Site ID: 333886
Spill Date: 2000-05-19
Spill Date: 2000-03-29
Spill Date: 2003-03-17

APARTMENT BLDG | 3415 NEPTUNE AVE | WNW 1/4 - 1/2 (0.301 mi.) | 217 | 588
Spill Number/Closed Date: 0807791 / 2008-11-06
Site ID: 405155
Spill Date: 2008-10-09

GRAVESEND HOUSES (O' | 2719 WEST 33RD STREE | NW 1/4 - 1/2 (0.309 mi.) | 218 | 589
Spill Number/Closed Date: 9413170 / 2008-06-10
Spill Number/Closed Date: 9412922 / 2021-07-15
Site ID: 62321
Site ID: 62320
Spill Date: 1995-01-03
Spill Date: 1994-12-28

CONEY ISLAND SITE 1B | 2007 SURF AVENUE | E 1/4 - 1/2 (0.316 mi.) | 219 | 598
Spill Number/Closed Date: 9312327 / 1993-01-24
Spill Number/Closed Date: 0109738 / 2004-01-26
Spill Number/Closed Date: 9607012 / 2011-12-02
Site ID: 256394
Site ID: 322120
Site ID: 322121
Spill Date: 1994-01-20
Spill Date: 2002-01-08
Spill Date: 1996-09-03

APT HOUSES | 2675 WEST 36TH ST | NW 1/4 - 1/2 (0.432 mi.) | 223 | 655
Spill Number/Closed Date: 8904981 / 2003-03-06
Spill Number/Closed Date: 9805170 / 2003-12-01
Site ID: 185875
Site ID: 322247
Spill Date: 1989-08-18
Spill Date: 1998-07-24

DIME SAVINGS BANK | 2909 WEST 17TH ST | E 1/4 - 1/2 (0.462 mi.) | 224 | 658
Spill Number/Closed Date: 9804188 / 2005-07-19
Site ID: 65760

Spill Date: 1998-07-02

Lower Elevation	Address	Direction / Distance	Map ID	Page
CAREY GARDENS II -NY	***2832 WEST 23RD ST***	***ENE 1/8 - 1/4 (0.221 mi.)***	***AM190***	***470***
Spill Number/Closed Date: 9315471 / 2003-10-27 Site ID: 62465 Spill Date: 1991-01-31				
SUFSIDE MARINA	W. 22ND & W. 23RD ST	NE 1/8 - 1/4 (0.222 mi.)	AL191	474
Spill Number/Closed Date: 9406145 / 1994-08-05 Site ID: 68579 Spill Date: 1994-08-05				
NYC PARKS	WEST 23RD ST & NEPTU	NE 1/8 - 1/4 (0.230 mi.)	AL201	502
Spill Number/Closed Date: 0100863 / 2008-06-13 Site ID: 159580 Spill Date: 2001-04-23				
BROOKLYN EAST 13 DOS	***2012 NEPTUNE AVENUE***	***ENE 1/4 - 1/2 (0.360 mi.)***	***221***	***610***
Spill Number/Closed Date: 9003790 / 2005-06-15 Spill Number/Closed Date: 9805012 / 2005-01-06 Site ID: 59339 Site ID: 205102 Spill Date: 1990-07-05 Spill Date: 1998-07-22				
NYNEX	***1919 NEPTUNE AVE***	***ENE 1/4 - 1/2 (0.429 mi.)***	***222***	***645***
Spill Number/Closed Date: 9514154 / 1996-02-06 Site ID: 271621 Spill Date: 1996-02-06				

Lists of state and tribal registered storage tanks

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 17 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEA PARK EAST LP	***2980 WEST 28TH STREE***	***0 - 1/8 (0.000 mi.)***	***B7***	***29***
Database: UST, Date of Government Version: 03/21/2022				
CONEY ISLAND I SITE	2925 WEST 27TH STREE	SE 0 - 1/8 (0.002 mi.)	C11	40
Database: UST, Date of Government Version: 03/21/2022				
SURFSIDE GARDENS (B	***2940 WEST 31ST STREE***	***SW 0 - 1/8 (0.014 mi.)***	***J41***	***92***
Database: UST, Date of Government Version: 03/21/2022				
CONEY ISLAND HOUSES	***3020 SURF AVENUE***	***SSW 0 - 1/8 (0.016 mi.)***	***I50***	***122***
Database: UST, Date of Government Version: 03/21/2022				
SURF PLAYGROUND	2501 SURF AVENUE	SE 0 - 1/8 (0.026 mi.)	C67	159
Database: UST, Date of Government Version: 03/21/2022				
CONEY ISLAND GARAGE	WEST 25TH STREET AND	SE 0 - 1/8 (0.052 mi.)	M94	229
Database: UST, Date of Government Version: 03/21/2022				

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HABER HOUSES (CAREY	***3033 WEST 25TH STREE***	***SE 0 - 1/8 (0.062 mi.)***	***M103***	***253***
Database: UST, Date of Government Version: 03/21/2022				
O'DWYER GARDENS (SUR	***2959 WEST 33RD STREE***	***SW 0 - 1/8 (0.112 mi.)***	***V123***	***285***
Database: UST, Date of Government Version: 03/21/2022				
SURFSIDE GARDENS	2839 WEST 32ND STREE	W 1/8 - 1/4 (0.126 mi.)	T143	342
Database: UST, Date of Government Version: 03/21/2022				
FEDERATION EMPLOYMEN	3312 SURF AVENUE	SW 1/8 - 1/4 (0.138 mi.)	V146	350
Database: UST, Date of Government Version: 03/21/2022				
KAISER PARK	WEST 25TH STREET & B	SSE 1/8 - 1/4 (0.160 mi.)	AA158	379
Database: UST, Date of Government Version: 03/21/2022				
CONEY ISLAND SITE 8	***2950 WEST 35TH STREE***	***WSW 1/8 - 1/4 (0.179 mi.)***	***AI169***	***413***
Database: UST, Date of Government Version: 03/21/2022				
FRIENDSET APARTMENTS	2911 WEST 36TH STREE	WSW 1/8 - 1/4 (0.227 mi.)	AQ196	487
Database: UST, Date of Government Version: 03/21/2022				
BAY PK I	3325 NEPTUNE AVE	WNW 1/8 - 1/4 (0.234 mi.)	AS206	516
Database: UST, Date of Government Version: 03/21/2022				
BAY PARK II	3415 NEPTUNE AVENUE	WNW 1/8 - 1/4 (0.248 mi.)	AS214	579
Database: UST, Date of Government Version: 03/21/2022				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CAREY GARDENS	2955 WEST 24TH STREE	ESE 0 - 1/8 (0.116 mi.)	Z135	323
Database: UST, Date of Government Version: 03/21/2022				
CAREY GARDENS	***2832 WEST 23RD STREE***	***ENE 1/8 - 1/4 (0.221 mi.)***	***AM189***	***466***
Database: UST, Date of Government Version: 03/21/2022				

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there are 17 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEA PARK EAST LP	***2980 WEST 28TH STREE***	***0 - 1/8 (0.000 mi.)***	***B7***	***29***
Database: AST, Date of Government Version: 03/21/2022				
Facility Id: 2-600255				
CONEY ISLAND I SITE	2925 WEST 27TH STREE	SE 0 - 1/8 (0.002 mi.)	C10	38
Database: AST, Date of Government Version: 03/21/2022				
Facility Id: 2-474037				
NYC DEPT OF EDUCATIO	***2929 W 30TH ST***	***SSW 0 - 1/8 (0.014 mi.)***	***K40***	***86***
Database: AST, Date of Government Version: 03/21/2022				
Facility Id: 2-355739				
SURFSIDE GARDENS (B	2940 WEST 31ST STREE	SW 0 - 1/8 (0.014 mi.)	J42	103
Database: AST, Date of Government Version: 03/21/2022				
Facility Id: 2-474045				
METROPOLITAN JEWISH	3023 WEST 29TH STREE	S 0 - 1/8 (0.015 mi.)	D43	105
Database: AST, Date of Government Version: 03/21/2022				

Facility Id: 2-189782

CONEY ISLAND HOUSES	***3020 SURF AVENUE***	***SSW 0 - 1/8 (0.016 mi.)***	***I50***	***122***
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-473901				
CONEY ISLAND GARAGE	WEST 25TH STREET AND	SE 0 - 1/8 (0.052 mi.)	M93	224
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-600449				
O'DWYER GARDENS (SUR	2959 WEST 33RD STREE	SW 0 - 1/8 (0.112 mi.)	V124	297
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-473979				
MAINTENANCE BUILDING	WEST 25TH STREET & B	SE 0 - 1/8 (0.116 mi.)	AA137	333
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-605005				
CONEY ISLAND SITE 8	***2950 WEST 35TH STREE***	***WSW 1/8 - 1/4 (0.179 mi.)***	***AI169***	***413***
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-473987				
FRIENDSET APARTMENTS	2911 WEST 36TH STREE	WSW 1/8 - 1/4 (0.227 mi.)	AQ195	484
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-293210				
PUBLIC SCHOOL 188 -	3314 NEPTUNE AVENUE	WNW 1/8 - 1/4 (0.236 mi.)	AS207	518
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-603797				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SANDY FOLLOW UP	***2950 WEST 25TH STREE***	***ESE 0 - 1/8 (0.052 mi.)***	***O90***	***212***
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-354503				
FIRE HOUSE ENG. 318	2510 NEPTUNE AVENUE	NE 0 - 1/8 (0.095 mi.)	P113	271
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-600520				
I.S. 239 - BROOKLYN	2401 NEPTUNE AVENUE	NE 1/8 - 1/4 (0.140 mi.)	AC151	361
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-607190				
POLICE SERVICE AREA	2860 WEST 23RD STREE	ENE 1/8 - 1/4 (0.208 mi.)	AM179	438
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-611292				
CAREY GARDENS	***2832 WEST 23RD STREE***	***ENE 1/8 - 1/4 (0.221 mi.)***	***AM189***	***466***
Database: AST, Date of Government Version: 03/21/2022 Facility Id: 2-473871				

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEPTUNE PUMPING STAT	2327 NEPTUNE AVE	NE 1/8 - 1/4 (0.182 mi.)	AC172	425
Database: TANKS, Date of Government Version: 03/21/2022				

EXECUTIVE SUMMARY

Facility Id: 2-601313
Site Status: Active

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 05/09/2022 has revealed that there is 1 NY ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GATEWAY FRENC Site Code: 468402	***3375-3377 NEPTUNE AV***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS211***	***542***

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 05/09/2022 has revealed that there is 1 NY INST CONTROL site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GATEWAY FRENC Site Code: 468402	***3375-3377 NEPTUNE AV***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS211***	***542***

Lists of state and tribal brownfield sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 05/09/2022 has revealed that there are 3 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GATEWAY FRENC Site Code: 468402	***3375-3377 NEPTUNE AV***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS211***	***542***
HISTORIC DRY CLEANER Site Code: 468516	3503-3505 NEPTUNE AV	WNW 1/4 - 1/2 (0.265 mi.)	AT216	587
LOT 28,TAXBLOCK 7062 Site Code: 606579	***1607 SURF AVENUE***	***E 1/4 - 1/2 (0.480 mi.)***	***225***	***659***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

EXECUTIVE SUMMARY

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/09/2022 has revealed that there are 53 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 8805112 Spill Number/Closed Date: 8805112 / 2003-12-19 Site ID: 150678 Spill Date: 1988-09-13	2980 W. 28TH ST	0 - 1/8 (0.000 mi.)	B8	33
CON EDISON Spill Number/Closed Date: 0208004 / 2004-01-20 Site ID: 94996 Spill Date: 2002-11-01	***2955 W 29TH ST***	***S 0 - 1/8 (0.005 mi.)***	***E13***	***44***
2827 MERMAID AVENUE Spill Number/Closed Date: 1212244 / 2012-11-14 Site ID: 475389 Spill Date: 2012-10-29	2827 MERMAID AVENUE	S 0 - 1/8 (0.005 mi.)	A15	50
NYC DEPT OF EDUCATIO Spill Number/Closed Date: 1208834 / 2013-04-23 Site ID: 471897 Spill Date: 2012-11-03	***2929 W 30TH ST***	***SSW 0 - 1/8 (0.014 mi.)***	***K40***	***86***
SURFSIDE GARDENS (B Spill Number/Closed Date: 9414147 / 1995-02-02 Spill Number/Closed Date: 0002408 / 2009-12-30 Spill Number/Closed Date: 9914650 / 2018-05-25 Site ID: 298284 Site ID: 86819 Site ID: 86820 Spill Date: 1995-01-25 Spill Date: 2000-05-26 Spill Date: 2000-03-27	***2940 WEST 31ST STREE***	***SW 0 - 1/8 (0.014 mi.)***	***J41***	***92***
CONEY ISLAND HOUSES Spill Number/Closed Date: 0210144 / 2015-06-01 Site ID: 327260 Spill Date: 2003-01-08	***3020 SURF AVENUE***	***SSW 0 - 1/8 (0.016 mi.)***	***I50***	***122***
INTERSECTION 129TH S Spill Number/Closed Date: 0907964 / 2009-11-30 Site ID: 420534 Spill Date: 2009-10-15	INTERSECTION 129TH S	SSW 0 - 1/8 (0.016 mi.)	A51	130
MANHOLE 36339 Spill Number/Closed Date: 0109426 / 2002-01-02 Site ID: 297587 Spill Date: 2001-12-24	MERMAID AVE & WEST 2	SSW 0 - 1/8 (0.016 mi.)	A52	131
MANHOLE 71777 Spill Number/Closed Date: 0107446 / 2001-12-28 Site ID: 234253 Spill Date: 2001-10-19	W 29TH ST & MERMAID	SSW 0 - 1/8 (0.016 mi.)	A53	132
VAULT ZS5234 Spill Number/Closed Date: 1608681 / 2017-10-03	2900 MERMAID AVE	SSW 0 - 1/8 (0.020 mi.)	A61	148

Site ID: 537411 Spill Date: 2016-12-11				
2730 SURF AVE Spill Number/Closed Date: 1211889 / 2013-03-27 Site ID: 475030 Spill Date: 2012-10-29	2730 SURF AVE	SSE 0 - 1/8 (0.023 mi.)	B65	158
NYC PARKS Spill Number/Closed Date: 2102270 / 2021-09-08 Site ID: 620012 Spill Date: 2021-06-09	2501 SURF AVE	SE 0 - 1/8 (0.026 mi.)	C68	161
TRANSFORMER 4364 Spill Number/Closed Date: 0201745 / 2002-06-07 Site ID: 164168 Spill Date: 2002-05-17	WEST 31ST ST/SURF AN	SSW 0 - 1/8 (0.028 mi.)	71	170
VAULT 3996 Spill Number/Closed Date: 0005820 / 2002-02-13 Site ID: 99443 Spill Date: 2000-08-15	SURF AVENUE AT 25TH	SE 0 - 1/8 (0.035 mi.)	M77	188
MANHOLE 71777 Spill Number/Closed Date: 0206813 / 2003-01-28 Site ID: 86912 Spill Date: 2002-10-01	WEST 29TH STREET+MER	S 0 - 1/8 (0.035 mi.)	N78	189
MANHOLE 71777 Spill Number/Closed Date: 0108830 / 2002-02-19 Site ID: 62746 Spill Date: 2001-12-04	W 29TH ST /MERMAID A	S 0 - 1/8 (0.035 mi.)	N79	190
MANHOLE #71776 Spill Number/Closed Date: 0402391 / 2004-09-14 Site ID: 321388 Spill Date: 2004-06-02	WEST 29TH ST/NESURF	S 0 - 1/8 (0.044 mi.)	D82	195
TS 6002 Spill Number/Closed Date: 9909275 / 1999-12-21 Site ID: 142799 Spill Date: 1999-10-30	WEST 29TH ST SURF AV	S 0 - 1/8 (0.044 mi.)	D83	197
WEST 29TH ST & SURF Spill Number/Closed Date: 0308216 / 2003-12-22 Site ID: 206787 Spill Date: 2003-11-03	W. 29TH ST & SURF AV	S 0 - 1/8 (0.044 mi.)	D84	198
VAULT 5977 Spill Number/Closed Date: 0206780 / 2002-11-29 Site ID: 276953 Spill Date: 2002-10-01	WEST 29TH ST/SURF AV	S 0 - 1/8 (0.044 mi.)	D85	199
VS 4031 Spill Number/Closed Date: 0008217 / 2001-03-27 Site ID: 242111 Spill Date: 2000-10-13	SURF ST/W 29TH ST	S 0 - 1/8 (0.044 mi.)	D86	201
CONEY ISLAND MAINT G Spill Number/Closed Date: 1208483 / 2013-11-17 Site ID: 471545 Spill Date: 2012-10-29	3026 WEST 25TH ST	SE 0 - 1/8 (0.053 mi.)	M95	234
CONEY ISLAND GARAGE	WEST 25TH STREET & S	SE 0 - 1/8 (0.053 mi.)	M98	240

Spill Number/Closed Date: 0550468 / 2017-07-25
Site ID: 347726
Spill Date: 1995-06-06

CONEY ISLAND GARAGE	WEST 25 & SURF AV	SE 0 - 1/8 (0.053 mi.)	M99	246
Spill Number/Closed Date: 0711419 / 2008-02-06 Site ID: 392899 Spill Date: 2008-01-30				
CONSTRUCTION SITE	3026 W25TH ST	SE 0 - 1/8 (0.057 mi.)	M100	247
Spill Number/Closed Date: 1206177 / 2015-12-23 Site ID: 469168 Spill Date: 2012-09-21				
HABER HOUSES (CAREY	***3033 WEST 25TH STREE***	***SE 0 - 1/8 (0.062 mi.)***	***M103***	***253***
Spill Number/Closed Date: 9900570 / 2016-01-27 Site ID: 205913 Spill Date: 1999-04-15				
MANHOLE 67445	WEST 32ND ST &MERMAI	WSW 0 - 1/8 (0.067 mi.)	105	260
Spill Number/Closed Date: 9904503 / 2002-04-04 Site ID: 122561 Spill Date: 1999-07-16				
SURF AVE & W 32ND ST	SURF AVE & W 32ND ST	SSW 0 - 1/8 (0.069 mi.)	R106	261
Spill Number/Closed Date: 9601008 / 2004-08-17 Site ID: 104568 Spill Date: 1996-04-20				
POLE 20462	OPP 2867 W 32 ST	W 0 - 1/8 (0.084 mi.)	T110	268
Spill Number/Closed Date: 0505838 / 2005-10-12 Site ID: 350939 Spill Date: 2005-08-11				
OVERHEAD POLE 69014	2822 WEST 30TH ST	NW 0 - 1/8 (0.091 mi.)	S111	269
Spill Number/Closed Date: 1103086 / 2011-08-11 Site ID: 450635 Spill Date: 2011-06-17				
NOTH CRAB COMPARTMEN	WEST 24TH ST/SURF AV	ESE 0 - 1/8 (0.109 mi.)	U116	277
Spill Number/Closed Date: 9903685 / 2000-05-18 Site ID: 149422 Spill Date: 1999-06-30				
TRANSFORMER VAULT VS	WEST 24TH ST/SURF AV	ESE 0 - 1/8 (0.109 mi.)	U117	278
Spill Number/Closed Date: 9903683 / 2000-05-18 Site ID: 149420 Spill Date: 1999-06-30				
VS 5762	WEST 24TH /SURF AVE	ESE 0 - 1/8 (0.109 mi.)	U118	279
Spill Number/Closed Date: 0410239 / 2005-04-22 Site ID: 335158 Spill Date: 2004-12-14				
TRANSFORMER VAULT #V	WEST 24TH ST/SURF AV	ESE 0 - 1/8 (0.109 mi.)	U119	280
Spill Number/Closed Date: 9903681 / 2000-05-18 Site ID: 149418 Spill Date: 1999-06-30				
VAULT #5747	W 24TH ST/SURF AVE	ESE 0 - 1/8 (0.109 mi.)	U120	281
Spill Number/Closed Date: 9815441 / 1999-04-14 Site ID: 224009 Spill Date: 1999-03-29				
SOUTH CRAB COMPARTME	WEST 24TH ST/SURF AV	ESE 0 - 1/8 (0.109 mi.)	U121	282

Spill Number/Closed Date: 9903684 / 2000-05-18
Site ID: 149421
Spill Date: 1999-06-30

TRANSFORMER VAULT VS — WEST 24TH ST/SURF AV — ESE 0 - 1/8 (0.109 mi.) — U122 — 284
Spill Number/Closed Date: 9903682 / 2000-05-18
Site ID: 149419
Spill Date: 1999-06-30

O'DWYER GARDENS (SUR — 2959 WEST 33RD STREE — SW 0 - 1/8 (0.112 mi.) — V123 — 285
Spill Number/Closed Date: 0305816 / 2007-01-26
Spill Number/Closed Date: 0305818 / 2003-09-02
Site ID: 322201
Site ID: 322202
Spill Date: 2003-09-02

NYC HOUSING AUTHORIT — 2951 WEST 33RD ST — SW 0 - 1/8 (0.112 mi.) — V126 — 304
Spill Number/Closed Date: 1309420 / 2014-10-07
Site ID: 490217
Spill Date: 2013-12-24

SPILL NUMBER 9809231 — WEST 33RD ST/SURF AV — SW 0 - 1/8 (0.121 mi.) — V138 — 336
Spill Number/Closed Date: 9809231 / 2002-10-31
Site ID: 250107
Spill Date: 1998-10-23

VAULT 43551 — WEST 33RD ST/SURF AV — SW 0 - 1/8 (0.121 mi.) — V139 — 337
Spill Number/Closed Date: 9809227 / 2002-10-31
Site ID: 250106
Spill Date: 1998-10-23

GAS ODORS AT RINGELM — 2901 RINGELMAN BOARD — S 0 - 1/8 (0.123 mi.) — 140 — 338
Spill Number/Closed Date: 8605394 / 1986-11-25
Site ID: 226557
Spill Date: 1986-11-25

ROADWAY — MERMAID AVE AND WEST — WSW 0 - 1/8 (0.123 mi.) — AB141 — 339
Spill Number/Closed Date: 1804064 / 2018-07-16
Site ID: 573726
Spill Date: 2018-07-15

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON VAULT # 5 Spill Number/Closed Date: 1205589 / 2012-09-05 Site ID: 468548 Spill Date: 2012-09-05	WEST 28TH STREET & M	ESE 0 - 1/8 (0.006 mi.)	F18	52
CON EDISON VAULT #58 Spill Number/Closed Date: 1205590 / 2014-09-25 Site ID: 468549 Spill Date: 2012-09-05	WEST 28TH STREET & M	ESE 0 - 1/8 (0.006 mi.)	F19	53
MANHOLE #36383 Spill Number/Closed Date: 0008915 / 2001-05-07 Site ID: 125919 Spill Date: 2000-11-01	NEPTUNE AV & W 28TH	N 0 - 1/8 (0.012 mi.)	H31	71
IFO (SERVICE BOX #36 Spill Number/Closed Date: 1303323 / 2013-08-14 Site ID: 483797	2715 MERMAID AVE	E 0 - 1/8 (0.019 mi.)	F57	144

Spill Date: 2013-06-27				
SANDY FOLLOW UP	***2950 WEST 25TH STREE***	***ESE 0 - 1/8 (0.052 mi.)***	***O90***	***212***
Spill Number/Closed Date: 1208592 / 2013-04-23 Site ID: 471655 Spill Date: 2012-10-28				
POLE 63537	2877 W 27 ST	E 0 - 1/8 (0.064 mi.)	Q104	259
Spill Number/Closed Date: 0412990 / 2005-06-01 Site ID: 338612 Spill Date: 2005-03-13				
MANHOLE #36348	W 25TH ST & MERMAID	ESE 0 - 1/8 (0.081 mi.)	109	267
Spill Number/Closed Date: 0109293 / 2002-02-19 Site ID: 158893 Spill Date: 2001-12-19				
CONEY ISLAND CREEK	2529 NEPTUNE AVE	N 0 - 1/8 (0.114 mi.)	X130	314
Spill Number/Closed Date: 2106433 / 2021-10-08 Site ID: 625323 Spill Date: 2021-10-07				
CREEK	2529 NEPTUNE AVE	N 0 - 1/8 (0.114 mi.)	X131	315
Spill Number/Closed Date: 2106455 / 2021-10-08 Site ID: 625345 Spill Date: 2021-10-08				
KAISER PARK	2529 NEPTUNE AVE	N 0 - 1/8 (0.114 mi.)	X132	316
Spill Number/Closed Date: 2106429 / 2021-10-13 Site ID: 625319 Spill Date: 2021-10-06				

NY SPILLS 90: Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

A review of the NY SPILLS 90 list, as provided by EDR, and dated 12/14/2012 has revealed that there are 2 NY SPILLS 90 sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
2827 MERMAID AVENUE Status: CLOSED Site Id: 1212244	2827 MERMAID AVENUE	S 0 - 1/8 (0.005 mi.)	A17	51
2730 SURF AVE Status: ACTIVE Site Id: 1211889	2730 SURF AVE	SSE 0 - 1/8 (0.023 mi.)	B66	159

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that

there are 38 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON MANHOLE: EPA ID:: NYP004324935	***2965 W 29TH ST***	***S 0 - 1/8 (0.009 mi.)***	***E21***	***55***
CON EDISON EPA ID:: NYP004807038	***W 30TH ST & SURF AVE***	***S 0 - 1/8 (0.012 mi.)***	***I30***	***68***
CON EDISON MANHOLE: EPA ID:: NYP004308490	***3047 W 29TH ST***	***S 0 - 1/8 (0.014 mi.)***	***D34***	***73***
CON EDISON SERVICE B EPA ID:: NYP004566501	***3010 SURF AVE FRONT***	***SSW 0 - 1/8 (0.016 mi.)***	***I44***	***109***
CON EDISON EPA ID:: NYP004777827	3030 SURF AVE	SSW 0 - 1/8 (0.016 mi.)	I48	116
NYCHA - CONEY ISLAND EPA ID:: NYR000075069	***3002 SURF AVE***	***S 0 - 1/8 (0.016 mi.)***	***I49***	***119***
CON EDISON - MH 7177 EPA ID:: NYP004110649	***W. 29TH ST. & SURF A***	***S 0 - 1/8 (0.021 mi.)***	***D63***	***150***
CON EDISON MANHOLE: EPA ID:: NYP004279923	***W 29TH ST & SURF AVE***	***S 0 - 1/8 (0.023 mi.)***	***D64***	***154***
CON EDISON MANHOLE: EPA ID:: NYP004280863	***SURF AVE & W 25TH ST***	***SE 0 - 1/8 (0.052 mi.)***	***M87***	***202***
CON EDISON - VS 5766 EPA ID:: NYP004110839	***WEST 25 ST & SURF AV***	***SE 0 - 1/8 (0.052 mi.)***	***M92***	***220***
NYCHA - ODWYER GARDE EPA ID:: NYR000094409	***2963 W 33RD ST***	***SW 0 - 1/8 (0.112 mi.)***	***V125***	***299***
NYCHA - ODWYER EPA ID:: NYR000051003	***2995 W 33RD ST***	***SW 0 - 1/8 (0.112 mi.)***	***R127***	***305***
NYCHA - ODWYER GARDE EPA ID:: NYR000075176	***2935 W 33RD ST***	***SW 0 - 1/8 (0.114 mi.)***	***W129***	***310***
CON EDISON MANHOLE: EPA ID:: NYP004266953	***3018 W 24TH ST OPPOS***	***SE 0 - 1/8 (0.116 mi.)***	***Y133***	***317***
NYCHA - SURFSIDE GAR EPA ID:: NYR000133181	2839 W 32ND ST	W 1/8 - 1/4 (0.126 mi.)	T144	345
NYCHA - CONEY ISLAND EPA ID:: NYR000075119	***3058 W 24TH ST***	***SE 1/8 - 1/4 (0.145 mi.)***	***AE154***	***366***
CON EDISON EPA ID:: NYP004821514	***W 23RD ST & SURF AVE***	***ESE 1/8 - 1/4 (0.165 mi.)***	***AF159***	***382***
CON EDISON MANHOLE: EPA ID:: NYP004278750	***2811 W 32ND ST FRONT***	***WNW 1/8 - 1/4 (0.169 mi.)***	***AH165***	***393***
CON EDISON EPA ID:: NYP004800157	***3054 W 22ND ST***	***ESE 1/8 - 1/4 (0.217 mi.)***	***AN183***	***452***
CON EDISON EPA ID:: NYP004760468	***SURF AVE & 21ST ST***	***ESE 1/8 - 1/4 (0.220 mi.)***	***AO185***	***456***
CON EDISON EPA ID:: NYP004760484	SURF AVE & 22ND ST	ESE 1/8 - 1/4 (0.220 mi.)	AO186	459
NEW YORK TELEPHONE EPA ID:: NYP000912121	***W 22 & SURF AVE***	***ESE 1/8 - 1/4 (0.221 mi.)***	***AO187***	***461***
CON EDISON	***W 36TH ST & SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR198***	***491***

EPA ID:: NYP004757423				
NYC-HA GRAVESEND HOU	***2719 W 33RD ST***	***WNW 1/8 - 1/4 (0.234 mi.)***	***AS205***	***509***
EPA ID:: NYD986870780				
GATEWAY FRENCH CLEAN	***3377 NEPTUNE AVE***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS212***	***572***
EPA ID:: NYD981080799				

Lower Elevation	Address	Direction / Distance	Map ID	Page
USPS - CONEY ISLAND	***2727 MERMAID AVE***	***E 0 - 1/8 (0.011 mi.)***	***F29***	***64***
EPA ID:: NY9180011224				
NYCDEP	***2927 W 27TH ST***	***ESE 0 - 1/8 (0.017 mi.)***	***G54***	***133***
EPA ID:: NYP003664018				
CON EDISON MANHOLE:	***S NEPTUNE AVE & W 29***	***NNW 0 - 1/8 (0.038 mi.)***	***H81***	***192***
EPA ID:: NYP004416012				
NYC SCHOOL CONSTRUCT	***2950 W 25TH ST***	***ESE 0 - 1/8 (0.052 mi.)***	***O88***	***206***
EPA ID:: NYP000969063				
NYCHA - SURFSIDE GAR	***2926 W 25TH ST***	***ESE 0 - 1/8 (0.058 mi.)***	***O101***	***249***
EPA ID:: NYR000075267				
NYCHA - CAREY GARDEN	***2945-49 W 23RD ST***	***E 1/8 - 1/4 (0.175 mi.)***	***AG168***	***407***
EPA ID:: NYR000052837				
CON EDISON MANHOLE:	***2302 MERMAID AVE***	***E 1/8 - 1/4 (0.179 mi.)***	***AJ171***	***422***
EPA ID:: NYP004462016				
CON EDISON MANHOLE:	MERMAID AVE & W 23RD	E 1/8 - 1/4 (0.194 mi.)	AJ175	429
EPA ID:: NYP004527776				
NEPTUNE AVENUE PUMPI	***2327 NEPTUNE AVE***	***NE 1/8 - 1/4 (0.201 mi.)***	***AL178***	***433***
EPA ID:: NYD987007960				
ROBIN BUS CO	***2302 NEPTUNE AVE***	***ENE 1/8 - 1/4 (0.212 mi.)***	***AL181***	***445***
EPA ID:: NYD986967339				
CON EDISON	***NEPTUNE AVE & W 23RD***	***NE 1/8 - 1/4 (0.230 mi.)***	***AL202***	***503***
EPA ID:: NYP004760492				
KING CLEANERS	***2115 SURF AVE***	***ESE 1/8 - 1/4 (0.239 mi.)***	***AO210***	***537***
EPA ID:: NYD982529919				
CON EDISON	***MERMAID & 22ND ST MH***	***E 1/8 - 1/4 (0.243 mi.)***	***AP213***	***576***
EPA ID:: NYP004737714				

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/11/2022 has revealed that there are 4 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPECIAL HOSPITAL		SE 1/8 - 1/4 (0.199 mi.)	176	431
SEA GATE F C STA		WSW 1/4 - 1/2 (0.357 mi.)	220	609
WHEELER SHIPYARD		NE 1/2 - 1 (0.589 mi.)	226	664
NORTON PT SEA LIG SI		W 1/2 - 1 (0.762 mi.)	228	667

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 03/07/2022 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DIAL FRENCH CLEANERS Facility Id: 2-6107-00534	2115 SURF AVENUE	ESE 1/8 - 1/4 (0.239 mi.)	AO209	536

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 03/22/2022 has revealed that there are 12 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 54,TAXBLOCK 7011	2827 MERMAID AVENUE	S 0 - 1/8 (0.005 mi.)	A16	51
LOT 53,TAXBLOCK 7011	2825 MERMAID AVENUE	S 0 - 1/8 (0.010 mi.)	A23	60
LOT 49,TAXBLOCK 7011	2815 MERMAID AVENUE	SE 0 - 1/8 (0.010 mi.)	A24	60
LOT 51,TAXBLOCK 7011	2819 MERMAID AVENUE	SSE 0 - 1/8 (0.010 mi.)	A25	61
LOT 47,TAXBLOCK 7011	2809 MERMAID AVENUE	SE 0 - 1/8 (0.010 mi.)	A27	63
LOT 52,TAXBLOCK 7011	2823 MERMAID AVENUE	SSE 0 - 1/8 (0.010 mi.)	A28	63
LOT 54,TAXBLOCK 7051	2919 SURF AVENUE	S 0 - 1/8 (0.020 mi.)	I58	145
LOT 4,TAXBLOCK 7064	2900 MERMAID AVENUE	SSW 0 - 1/8 (0.020 mi.)	A60	148
LOT 48,TAXBLOCK 7051	2907 SURF AVENUE	S 0 - 1/8 (0.038 mi.)	D80	191
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
LOT 1,TAXBLOCK 7011	2828 NEPTUNE AVENUE	N 0 - 1/8 (0.010 mi.)	H22	59
LOT 46,TAXBLOCK 7011	2807 MERMAID AVENUE	ESE 0 - 1/8 (0.013 mi.)	A32	72
LOT 45,TAXBLOCK 7011	2805 MERMAID AVENUE	ESE 0 - 1/8 (0.014 mi.)	A33	73

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 65 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID: NYP004584082	2871 SURF AVE	S 0 - 1/8 (0.004 mi.)	D12	42
CON EDISON EPA ID: NYP004296265	***2955 W 29TH ST***	***S 0 - 1/8 (0.005 mi.)***	***E13***	***44***
CON EDISON MANHOLE: EPA ID: NYP004324935	***2965 W 29TH ST***	***S 0 - 1/8 (0.009 mi.)***	***E21***	***55***
CON EDISON MANHOLE: EPA ID: NYP004308490	***3047 W 29TH ST***	***S 0 - 1/8 (0.014 mi.)***	***D34***	***73***
CON EDISON - SERVICE EPA ID: NYP004953327	2960 W 31 ST	SSW 0 - 1/8 (0.014 mi.)	J36	80
CON EDISON	2960 W 31ST	SSW 0 - 1/8 (0.014 mi.)	J37	81

EPA ID: NYP004589669				
CON EDISON EPA ID: NYP004353058	2960 W 31 ST	SSW 0 - 1/8 (0.014 mi.)	J38	82
NYC DEPT OF EDUCATIO EPA ID: NYR000216507	***2929 W 30TH ST***	***SSW 0 - 1/8 (0.014 mi.)***	***K40***	***86***
CON EDISON EPA ID: NYP004566501	3010 SURF AVE FRONT	SSW 0 - 1/8 (0.016 mi.)	I45	111
CON EDISON EPA ID: NYP004777827	3030 SURF AVE	SSW 0 - 1/8 (0.016 mi.)	I46	113
CON EDISON EPA ID: NYP005124706	2900 MERMAID AVE	SSW 0 - 1/8 (0.020 mi.)	A62	149
CON EDISON - MH 7177 EPA ID: NYP004110649	***W. 29TH ST. & SURF A***	***S 0 - 1/8 (0.021 mi.)***	***D63***	***150***
CON EDISON MANHOLE: EPA ID: NYP004279923	***W 29TH ST & SURF AVE***	***S 0 - 1/8 (0.023 mi.)***	***D64***	***154***
CON EDISON - MANHOLE EPA ID: NYP004286340	***3028 W 29TH ST***	***S 0 - 1/8 (0.027 mi.)***	***D69***	***162***
CON EDISON - MANHOLE EPA ID: NYP004286563	***3028 WEST 29TH ST***	***S 0 - 1/8 (0.027 mi.)***	***D70***	***166***
CON EDISON - MANHOLE EPA ID: NYP005091301	2913 SURF AVE	S 0 - 1/8 (0.028 mi.)	I73	176
RITE AID #4257 EPA ID: NYR000186262	3001-27 MERMAID AVE	WSW 0 - 1/8 (0.032 mi.)	L76	186
CON EDISON MANHOLE: EPA ID: NYP004280863	***SURF AVE & W 25TH ST***	***SE 0 - 1/8 (0.052 mi.)***	***M87***	***202***
CON EDISON - VS 5766 EPA ID: NYP004110839	***WEST 25 ST & SURF AV***	***SE 0 - 1/8 (0.052 mi.)***	***M92***	***220***
CON EDISON EPA ID: NYP004286803	2930 NEPTUNE AVE FRO	NW 0 - 1/8 (0.077 mi.)	S108	265
CON EDISON EPA ID: NYP004661005	3000 W 24TH ST	ESE 0 - 1/8 (0.100 mi.)	U114	274
CON EDISON EPA ID: NYP004655387	2410 SURF AVE	SE 0 - 1/8 (0.102 mi.)	U115	275
NYCHA - ODWYER GARDE EPA ID: NYR000094409	***2963 W 33RD ST***	***SW 0 - 1/8 (0.112 mi.)***	***V125***	***299***
CON EDISON MANHOLE: EPA ID: NYP004266953	***3018 W 24TH ST OPPOS***	***SE 0 - 1/8 (0.116 mi.)***	***Y133***	***317***
CON EDISON EPA ID: NYP004673406	W 33 ST AND MERMAID	WSW 0 - 1/8 (0.123 mi.)	AB142	340
CON EDISON EPA ID: NYP004660312	2908 W 33RD ST	WSW 1/8 - 1/4 (0.136 mi.)	AB145	348
CON EDISON EPA ID: NYP004657854	2888 W 33 ST	WSW 1/8 - 1/4 (0.139 mi.)	AB147	352
CON EDISON EPA ID: NYP004671467	2888 W 33 ST	WSW 1/8 - 1/4 (0.139 mi.)	AB148	354
NYCHA - CONEY ISLAND	***3058 W 24TH ST***	***SE 1/8 - 1/4 (0.145 mi.)***	***AE154***	***366***

EPA ID: NYR000075119				
CON EDISON - MANHOLE EPA ID: NYP004287116	***2315 SURF AVE***	***ESE 1/8 - 1/4 (0.156 mi.)***	***AF157***	***375***
CON EDISON MANHOLE: EPA ID: NYP004278750	***2811 W 32ND ST FRONT***	***WNW 1/8 - 1/4 (0.169 mi.)***	***AH165***	***393***
CON EDISON - MANHOLE EPA ID: NYP004289229	***WEST 35TH ST***	***SW 1/8 - 1/4 (0.174 mi.)***	***167***	***403***
NYNEX EPA ID: NYP000932574	32ND ST & NEPTUNE AV	WNW 1/8 - 1/4 (0.199 mi.)	AH177	432
CON EDISON EPA ID: NYP004800157	3054 W 22ND ST	ESE 1/8 - 1/4 (0.217 mi.)	AN184	454
NEW YORK TELEPHONE EPA ID: NYP000912121	***W 22 & SURF AVE***	***ESE 1/8 - 1/4 (0.221 mi.)***	***AO187***	***461***
NYNEX EPA ID: NYP000922898	W 33RD ST & NEPTUNE	WNW 1/8 - 1/4 (0.226 mi.)	AK193	482
CON EDISON EPA ID: NYP004663225	W 33RD ST AND NEPTUN	WNW 1/8 - 1/4 (0.226 mi.)	AK194	483
CON EDISON - MANHOLE EPA ID: NYP004287421	***SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR199***	***493***
CON EDISON - MANHOLE EPA ID: NYP004287439	***SURF AVE***	***WSW 1/8 - 1/4 (0.229 mi.)***	***AR200***	***497***
NYC-HA GRAVESEND HOU EPA ID: NYD986870780	***2719 W 33RD ST***	***WNW 1/8 - 1/4 (0.234 mi.)***	***AS205***	***509***
PUBLIC SCHOOL 188 K EPA ID: NYR000179572	***2815 W 35TH ST***	***W 1/8 - 1/4 (0.237 mi.)***	***AT208***	***520***
GATEWAY FRENCH CLEAN EPA ID: NYD981080799	***3377 NEPTUNE AVE***	***WNW 1/8 - 1/4 (0.241 mi.)***	***AS212***	***572***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDEP EPA ID: NYP003664018	***2927 W 27TH ST***	***ESE 0 - 1/8 (0.017 mi.)***	***G54***	***133***
CON EDISON MANHOLE: EPA ID: NYP004416012	***S NEPTUNE AVE & W 29***	***NNW 0 - 1/8 (0.038 mi.)***	***H81***	***192***
NYC SCHOOL CONSTRUCT EPA ID: NYP000969063	***2950 W 25TH ST***	***ESE 0 - 1/8 (0.052 mi.)***	***O88***	***206***
NYC DEPT OF EDUCATIO EPA ID: NYR000199000	***2950 W 25TH ST***	***ESE 0 - 1/8 (0.052 mi.)***	***O91***	***216***
NYNEX EPA ID: NYP000913533	W 27TH ST & NEPTUNE	NNE 0 - 1/8 (0.062 mi.)	P102	253
CON EDISON EPA ID: NYP004703559	MERMAID AVE AND W 25	E 0 - 1/8 (0.092 mi.)	Q112	270
NYC-HA CAREY GARDENS EPA ID: NYD986870921	***2955 W 24TH STREET***	***ESE 0 - 1/8 (0.116 mi.)***	***Z136***	***327***
NYC DEPT OF EDUCATIO EPA ID: NYR000207621	***2401 NEPTUNE AVE***	***NE 1/8 - 1/4 (0.140 mi.)***	***AC149***	***355***
CON EDISON	2400 MERMAID AVE	E 1/8 - 1/4 (0.140 mi.)	AD152	363

EPA ID: NYP004679395				
CON EDISON EPA ID: NYP004679403	2400 MERMAID AVE	E 1/8 - 1/4 (0.140 mi.)	AD153	365
CON EDISON EPA ID: NYP004695003	FO 2850 W 24TH ST	E 1/8 - 1/4 (0.150 mi.)	AD156	373
CON EDISON - VAULT S EPA ID: NYP005124250	2946 W 23RD ST	ESE 1/8 - 1/4 (0.167 mi.)	AG161	387
CON EDISON - VAULT V EPA ID: NYP005023379	2946 W 23RD ST	ESE 1/8 - 1/4 (0.167 mi.)	AG162	388
NYCHA - CAREY GARDEN EPA ID: NYR000052837	***2945-49 W 23RD ST***	***E 1/8 - 1/4 (0.175 mi.)***	***AG168***	***407***
CON EDISON MANHOLE: EPA ID: NYP004462016	***2302 MERMAID AVE***	***E 1/8 - 1/4 (0.179 mi.)***	***AJ171***	***422***
CON EDISON EPA ID: NYP004527776	MERMAID AVE & W 23RD	E 1/8 - 1/4 (0.194 mi.)	AJ174	427
NEPTUNE AVENUE PUMPI EPA ID: NYD987007960	***2327 NEPTUNE AVE***	***NE 1/8 - 1/4 (0.201 mi.)***	***AL178***	***433***
CON EDISON - MANHOLE EPA ID: NYP004293213	***2860 WEST 23RD ST***	***ENE 1/8 - 1/4 (0.208 mi.)***	***AM180***	***441***
ROBIN BUS CO EPA ID: NYD986967339	***2302 NEPTUNE AVE***	***ENE 1/8 - 1/4 (0.212 mi.)***	***AL181***	***445***
CON EDISON EPA ID: NYP004656187	2832 W 23RD ST	ENE 1/8 - 1/4 (0.221 mi.)	AM188	464
NYCHA - CAREY GARDEN EPA ID: NYR000093393	***2932 W 22ND ST***	***E 1/8 - 1/4 (0.226 mi.)***	***AP192***	***475***
CON ED EPA ID: NYP004760492	NEPTUNE AVE & W 23RD	NE 1/8 - 1/4 (0.230 mi.)	AL204	508
KING CLEANERS EPA ID: NYD982529919	***2115 SURF AVE***	***ESE 1/8 - 1/4 (0.239 mi.)***	***AO210***	***537***

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 2 PA MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RITTE AID 4257 Generator EPA Id: NYR000186262	3001-27 MERMAID AVE	WSW 0 - 1/8 (0.032 mi.)	L74	177

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYC SCHOOL CONSTRUCT Generator EPA Id: NYP000969063	2950 WEST 25TH STREE	ESE 0 - 1/8 (0.052 mi.)	O89	210

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there are 9 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA Id: NYP004777827	3030 SURF AVE	SSW 0 - 1/8 (0.016 mi.)	I47	114
CON EDISON MANHOLE: EPA Id: NYP004266953	3018 W 24TH ST OPPOS	SE 0 - 1/8 (0.116 mi.)	Y134	322
NYCHA - CONEY ISLAND EPA Id: NYR000075119	3058 W 24TH ST	SE 1/8 - 1/4 (0.145 mi.)	AE155	372
CON EDISON MANHOLE: EPA Id: NYP004278750	2811 W 32ND ST FRONT	WNW 1/8 - 1/4 (0.169 mi.)	AH164	391
CON EDISON EPA Id: NYP004800157	3054 W 22ND ST	ESE 1/8 - 1/4 (0.217 mi.)	AN182	451
PUBLIC SCHOOL 188 K EPA Id: NYR000179572	***2815 W 35TH ST***	***W 1/8 - 1/4 (0.237 mi.)***	***AT208***	***520***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDEP EPA Id: NYP003664018	***2927 W 27TH ST***	***ESE 0 - 1/8 (0.017 mi.)***	***G54***	***133***
NYCHA - CAREY GARDEN EPA Id: NYR000093393	***2932 W 22ND ST***	***E 1/8 - 1/4 (0.226 mi.)***	***AP192***	***475***
CON EDISON EPA Id: NYP004760492	NEPTUNE AVE & W 23RD	NE 1/8 - 1/4 (0.230 mi.)	AL203	507

NY LEAD: The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

A review of the NY LEAD list, as provided by EDR, has revealed that there is 1 NY LEAD site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported Database: NYC LEAD 2, Date of Government Version: 04/25/2022	2980 WEST 28 STREET	0 - 1/8 (0.000 mi.)	B9	35

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used

whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BROOKLYN BOROUGH GAS	NEPTUNE AVENUE, CONE	ENE 1/2 - 1 (0.862 mi.)	AU229	668

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
US CUSTOMS SERVICE	PRP
DAVIDSON PIPE SUPPLY COMPANY	NY SHWS
BROOKLYN BOROUGH GAS CO.	SEMS
HIGHWAY CONTAINER CORP.	NY SWF/LF
CONEY ISLAND CREEK	NY SWF/LF
CONEY ISLAND, STILLWELL AND NEPTUN	NY SWF/LF
CALVER VAUX/DRIER OFFERMAN	NY SWF/LF

OVERVIEW MAP - 7093643.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,	CLIENT:	Hillmann Environmental Co.
ADDRESS:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St., Brooklyn NY 11224	CONTACT:	Joanne Bedkowski
LAT/LONG:	40.575935 / 73.995217	INQUIRY #:	7093643.2s
		DATE:	August 22, 2022 12:18 pm

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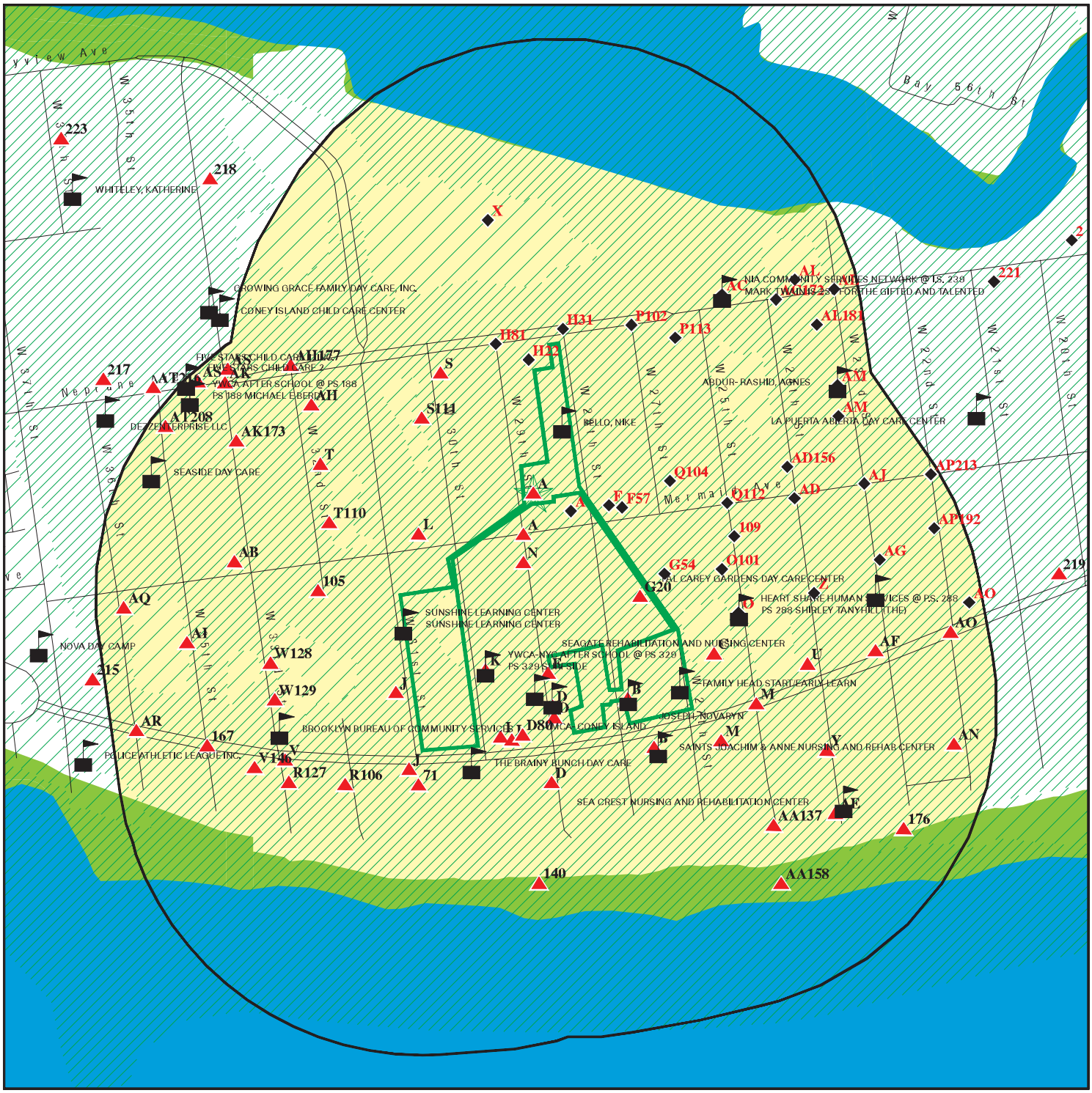
DETAIL MAP - 7093643.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,	CLIENT:	Hillmann Environmental Co.
ADDRESS:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St., Brooklyn NY 11224	CONTACT:	Joanne Bedkowski
LAT/LONG:	40.575935 / 73.995217	INQUIRY #:	7093643.2s
		DATE:	August 22, 2022 12:19 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		7	8	NR	NR	NR	15
RCRA-SQG	0.250		4	1	NR	NR	NR	5
RCRA-VSQG	0.250		2	1	NR	NR	NR	3
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001	1	0	NR	NR	NR	NR	1
Lists of state- and tribal hazardous waste facilities								
NY SHWS	1.000		0	1	0	2	NR	3
Lists of state and tribal landfills and solid waste disposal facilities								
NY SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY LTANKS	0.500		9	7	8	NR	NR	24
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
NY UST	0.250	2	9	8	NR	NR	NR	19
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY AST	0.250	2	11	6	NR	NR	NR	19
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	1	NR	NR	NR	1
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500		0	1	0	NR	NR	1
NY INST CONTROL	0.500		0	1	0	NR	NR	1
Lists of state and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
NY BROWNFIELDS	0.500		0	1	2	NR	NR	3
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
NY PFAS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	0.001		0	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
NY Spills	0.125		53	NR	NR	NR	NR	53
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		2	NR	NR	NR	NR	2
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		19	19	NR	NR	NR	38
FUDS	1.000		0	1	1	2	NR	4
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	0.001		0	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		0	1	NR	NR	NR	1
NY E DESIGNATION	0.125	1	12	NR	NR	NR	NR	13
NY Financial Assurance	0.001		0	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY MANIFEST	0.250		32	33	NR	NR	NR	65
PA MANIFEST	0.250		2	0	NR	NR	NR	2
NJ MANIFEST	0.250		3	6	NR	NR	NR	9
NY SPDES	0.001		0	NR	NR	NR	NR	0
NY VAPOR REOPENED	0.500		0	0	0	NR	NR	0
NY UIC	0.001		0	NR	NR	NR	NR	0
NY COOLING TOWERS	0.001		0	NR	NR	NR	NR	0
NY LEAD	0.001	2	1	NR	NR	NR	NR	3
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	0.001		0	NR	NR	NR	NR	0
NY RGA LF	0.001		0	NR	NR	NR	NR	0
- Totals --		8	166	96	11	5	0	286

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **LOT 11,TAXBLOCK 7011** **NY E DESIGNATION** **S122254412**
Target **2828 WEST 28 STREET** **N/A**
Property **BROOKLYN, NY**

Site 1 of 24 in cluster A

Actual: **3 ft.**

E DESIGNATION:

Name:	LOT 11,TAXBLOCK 7011
Address:	2828 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	11
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A2 **NY LEAD** **S125971628**
Target **2970 WEST 27 STREET** **N/A**
Property **BROOKLYN, NY 11224**

Site 2 of 24 in cluster A

Actual: **3 ft.**

NYC LEAD:

Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14265123
Building ID:	809859
Registration ID:	375939
Apartment:	501
Story:	5
Class:	Most Serious
Inspection Date:	04/14/2021
Approved Date:	04/19/2021
Original Certify By Date:	05/19/2021
Original Correct By Date:	05/14/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7299472
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) 1st WINDOW FRAME

(Continued) **S125971628**

FROM NORTH AT EAST WALL IN THE 21st ROOM FROM NORTH AT EAST LOCATED AT APT 501, 5th STORY, 1st APARTMENT FROM WEST AT NORTH

NOV Issued Date: 04/20/2021
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 05/11/2021

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 13870317
Building ID: 809859
Registration ID: 375939
Apartment: 708
Story: 7
Class: Most Serious
Inspection Date: 10/09/2020
Approved Date: 10/27/2020
Original Certify By Date: 11/26/2020
Original Correct By Date: 11/21/2020
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6992170
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) 1st DOOR FRAME FROM EAST AT SOUTH WALL, SOUTH WALL IN THE BATHROOM LOCATED AT APT 708, 7th STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 10/28/2020
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 11/24/2020

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 13870318
Building ID: 809859
Registration ID: 375939
Apartment: 708
Story: 7
Class: Most Serious
Inspection Date: 10/09/2020
Approved Date: 10/27/2020
Original Certify By Date: 11/26/2020
Original Correct By Date: 11/21/2020
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6992170
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) 1st DOOR FRAME FROM SOUTH AT WEST WALL IN THE 21st ROOM FROM EAST AT SOUTH LOCATED AT

(Continued) **S125971628**

APT 708, 7th STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 10/28/2020
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 11/24/2020

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 13870319
Building ID: 809859
Registration ID: 375939
Apartment: 708
Story: 7
Class: Most Serious
Inspection Date: 10/09/2020
Approved Date: 10/27/2020
Original Certify By Date: 11/26/2020
Original Correct By Date: 11/21/2020
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6992170
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) 1st CLOSET FROM SOUTH AT WEST WALL WALL IN THE 23rd ROOM FROM EAST LOCATED AT APT 708, 7th STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 10/28/2020
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 11/24/2020

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 11381714
Building ID: 809859
Registration ID: 375939
Apartment: 117
Story: 1
Class: Most Serious
Inspection Date: 09/07/2016
Approved Date: 09/07/2016
Original Certify By Date: 10/11/2016
Original Correct By Date: 10/06/2016
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 5509994
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING IN THE 4th ROOM FROM EAST AT NORTH LOCATED AT APT 117, 1st STORY, 1st APARTMENT FROM NORTH AT EAST

(Continued) **S125971628**

NOV Issued Date: 09/08/2016
Current Status ID: 21
Current Status: NOT COMPLIED WITH
Current Status Date: 10/13/2020

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 12535352
Building ID: 809859
Registration ID: 375939
Apartment: 505
Story: 5
Class: Most Serious
Inspection Date: 08/17/2018
Approved Date: 08/17/2018
Original Certify By Date: 09/22/2018
Original Correct By Date: 09/17/2018
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6169486
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE FOYER LOCATED AT APT 505, 5th STORY, 5th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 08/20/2018
Current Status ID: 19
Current Status: VIOLATION CLOSED
Current Status Date: 09/17/2018

Name: Not reported
Address: 2970 WEST 27 STREET
City,State,Zip: BROOKLYN, NY 11224
Violation ID: 12554904
Building ID: 809859
Registration ID: 375939
Apartment: 1405
Story: 14
Class: Most Serious
Inspection Date: 08/29/2018
Approved Date: 08/29/2018
Original Certify By Date: 10/02/2018
Original Correct By Date: 09/27/2018
New Certify By Date: Not reported
New Correct By Date: Not reported
Certified Date: Not reported
Order Number: 616
NOV ID: 6179096
NOV Description: SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE 1st ROOM FROM EAST LOCATED AT APT 1405, 14th STORY, 5th APARTMENT FROM NORTH AT EAST
NOV Issued Date: 08/30/2018

(Continued) **S125971628**

Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	09/28/2018
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12554905
Building ID:	809859
Registration ID:	375939
Apartment:	1405
Story:	14
Class:	Most Serious
Inspection Date:	08/29/2018
Approved Date:	08/29/2018
Original Certify By Date:	10/02/2018
Original Correct By Date:	09/27/2018
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6179096
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE FOYER LOCATED AT APT 1405, 14th STORY, 5th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	08/30/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	09/28/2018
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14022550
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	02/08/2021
Approved Date:	02/11/2021
Original Certify By Date:	03/13/2021
Original Correct By Date:	03/08/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7088002
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE FOYER LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	02/12/2021
Current Status ID:	19

(Continued) **S125971628**

Current Status:	VIOLATION CLOSED
Current Status Date:	02/26/2021
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14022551
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	02/08/2021
Approved Date:	02/11/2021
Original Certify By Date:	03/13/2021
Original Correct By Date:	03/08/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7088002
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING IN THE BATHROOM LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	02/12/2021
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	02/26/2021
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14022552
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	02/08/2021
Approved Date:	02/11/2021
Original Certify By Date:	03/13/2021
Original Correct By Date:	03/08/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7088002
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING IN THE 1st ROOM FROM EAST AT NORTH LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	02/12/2021
Current Status ID:	19
Current Status:	VIOLATION CLOSED

(Continued) **S125971628**

Current Status Date:	02/26/2021
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	14265122
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	04/14/2021
Approved Date:	04/19/2021
Original Certify By Date:	05/19/2021
Original Correct By Date:	05/14/2021
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	7299471
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) EAST WALL IN THE 21st ROOM FROM EAST AT NORTH LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	04/20/2021
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	05/11/2021
Name:	Not reported
Address:	2970 WEST 27 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12285630
Building ID:	809859
Registration ID:	375939
Apartment:	308
Story:	3
Class:	Most Serious
Inspection Date:	03/08/2018
Approved Date:	03/13/2018
Original Certify By Date:	04/16/2018
Original Correct By Date:	04/11/2018
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6039349
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL, EAST WALL IN THE 1st ROOM FROM EAST AT NORTH LOCATED AT APT 308, 3rd STORY, 8th APARTMENT FROM NORTH AT EAST
NOV Issued Date:	03/14/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	03/30/2018

A3 **ERNS** **2001567614**
Target **2930 WEST 30TH** **N/A**
Property **BROOKLYN, NY 10001**

Site 3 of 24 in cluster A

Actual:
3 ft.

Incident Commons:

NRC Report #:	567614
Description of Incident:	THIS IS 3RD PARTY INFORMATION. THE SUSPECTED RESPONSIBLE PARTY WAS OBSERVED RELEASING OIL BASE PAINT INTO JAMACIA BAY.
Type of Incident:	FIXED
Incident Cause:	DUMPING
Incident Date Time:	2001-05-29 13:25:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2930 WEST 30TH
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	BROOKLYN
Location State:	NY
Location County:	KINGS(BROOKLYN)
Location Zip:	10001
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	Not reported

Incidents:

NRC Report #:	567614
Aircraft Type:	UNKNOWN
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	UNKNOWN
Power Generating Facility:	Not reported
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	Not reported
Pipeline Type:	Not reported
DOT Regulated:	Not reported

(Continued) **2001567614**

Pipeline Above Ground:	Not reported
Exposed Underwater:	Not reported
Pipeline Covered:	Not reported
Railroad Hotline:	Not reported
Grade Crossing:	Not reported
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Not reported
DOT Crossing Number:	Not reported
Brake Failure:	Not reported
Description of Tank:	Not reported
Tank Above Ground:	Not reported
Transportable Container:	Not reported
Tank Regulated:	Not reported
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	Not reported
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	Not reported
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

(Continued) **2001567614**

Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	567614
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	Not reported
Body of Water:	JAMAICA BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	INVESTIGATION UNDERWAY
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	73
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported

(Continued) **2001567614**

Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	N
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	CALLER HAD NO ADDITIONAL INFORMATION
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	UNK

Calls:

NRC Report #:	567614
Site ID:	2001567614
Date Time Received:	2001-05-29 13:34:53
Date Time Complete:	2001-05-29 13:46:23
Call Type:	INC
Responsible Company:	ELECTRIC EDEN
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	BROOKLYN
Responsible State:	NY
Responsible Zip:	10001
On Behalf:	N
Source:	TELEPHONE

Material Involved:

NRC Report #:	567614
Chris Code:	OTH
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	OIL BASE PAINT
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A4 Target Property **SEA PARK NORTH HDFC**
2828 WEST 28TH STREET
BROOKLYN, NY 11224

NY UST U001841365
NY AST N/A

Site 4 of 24 in cluster A

Actual: 3 ft.

UST:

Name:	SEA PARK NORTH HDFC
Address:	2828 WEST 28TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-600253 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	07/23/2024
UTM X:	585085.62385
UTM Y:	4492219.48019
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22236
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT.
Contact Type:	Not reported
Contact Name:	ISLOO KIM
Address1:	1044 NORTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(519) 277-9300
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-05-17

Site Id:	22236
Affiliation Type:	Facility Operator
Company Name:	SEA PARK NORTH HDFC
Contact Type:	Not reported
Contact Name:	RAVINDA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2939
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-10-09

Site Id:	22236
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK NORTH HDFC
Contact Type:	Not reported
Contact Name:	I KIM
Address1:	Not reported

SEA PARK NORTH HDFC (Continued) **U001841365**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 592-7170
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-10-09

Site Id:	22236
Affiliation Type:	Facility Owner
Company Name:	SEA PARK NORTH HDFC
Contact Type:	FACILITES DIRECTOR
Contact Name:	ILSOO KIM
Address1:	1044 NORTHERN BLVD 2ND FLOOR
Address2:	Not reported
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(519) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-05-17

Tank Info:

Tank Number:	001
Tank ID:	41680
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	10000
Install Date:	01/01/1973
Date Tank Closed:	07/25/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	03
Date Test:	04/01/1998
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping

SEA PARK NORTH HDFC (Continued) **U001841365**

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle

AST:

Name:	SEA PARK NORTH HDFC
Address:	2828 WEST 28TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600253
Program Type:	PBS
UTM X:	585085.62385
UTM Y:	4492219.48019
Expiration Date:	07/23/2024
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22236
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT.
Contact Type:	Not reported
Contact Name:	ISLOO KIM
Address1:	1044 NORTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(519) 277-9300
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-05-17

Site Id:	22236
Affiliation Type:	Facility Operator
Company Name:	SEA PARK NORTH HDFC
Contact Type:	Not reported
Contact Name:	RAVINDA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2939
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-10-09

Site Id:	22236
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK NORTH HDFC

SEA PARK NORTH HDFC (Continued) **U001841365**

Contact Type:	Not reported
Contact Name:	I KIM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 592-7170
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-10-09

Site Id:	22236
Affiliation Type:	Facility Owner
Company Name:	SEA PARK NORTH HDFC
Contact Type:	FACILITES DIRECTOR
Contact Name:	ILSOO KIM
Address1:	1044 NORTHERN BLVD 2ND FLOOR
Address2:	Not reported
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(519) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-05-17

Tank Info:

Tank Number:	002
Tank Id:	218821
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

L00 - Piping Leak Detection - None
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
I02 - Overfill - High Level Alarm
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
G02 - Tank Secondary Containment - Vault (w/access)

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

SEA PARK NORTH HDFC (Continued) **U001841365**

Install Date:	10/16/2006
Capacity Gallons:	7098
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JSMACRI
Last Modified:	05/17/2019
Material Name:	#2 fuel oil (on-site consumption)

A5 **NY LEAD** **S125971602**
Target Property **2930 WEST 30 STREET** **N/A**
BROOKLYN, NY 11224

Site 5 of 24 in cluster A

Actual: **3 ft.**

NYC LEAD:

Name:	Not reported
Address:	2930 WEST 30 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12795903
Building ID:	394885
Registration ID:	375935
Apartment:	14E5
Story:	14
Class:	Most Serious
Inspection Date:	10/30/2018
Approved Date:	12/07/2018
Original Certify By Date:	01/12/2019
Original Correct By Date:	01/07/2019
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6334124
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE 4th ROOM FROM EAST AT SOUTH LOCATED AT APT 14E5, 14th STORY, 1st APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	12/10/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	12/18/2018

Name:	Not reported
Address:	2930 WEST 30 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12570962
Building ID:	394885
Registration ID:	375935
Apartment:	2F2
Story:	2
Class:	Most Serious
Inspection Date:	09/08/2018
Approved Date:	09/08/2018
Original Certify By Date:	10/13/2018

(Continued) **S125971602**

Original Correct By Date:	10/08/2018
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6187039
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE 23rd ROOM FROM NORTH LOCATED AT APT 2F2, 2nd STORY, 1st APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	09/10/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	09/28/2018
Name:	Not reported
Address:	2930 WEST 30 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	12570963
Building ID:	394885
Registration ID:	375935
Apartment:	2F2
Story:	2
Class:	Most Serious
Inspection Date:	09/08/2018
Approved Date:	09/08/2018
Original Certify By Date:	10/13/2018
Original Correct By Date:	10/08/2018
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6187039
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) SOUTH WALL IN THE 1st ROOM FROM NORTH AT EAST LOCATED AT APT 2F2, 2nd STORY, 1st APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	09/10/2018
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	09/28/2018
Name:	Not reported
Address:	2930 WEST 30 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13554240
Building ID:	394885
Registration ID:	375935
Apartment:	2F2
Story:	1
Class:	Most Serious
Inspection Date:	01/14/2020
Approved Date:	01/16/2020
Original Certify By Date:	02/19/2020
Original Correct By Date:	02/14/2020

(Continued) **S125971602**

New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6796003
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING IN THE 3rd KITCHEN FROM EAST LOCATED AT APT 2F2, 1st STORY, 1st APARTMENT FROM SOUTH AT WEST
NOV Issued Date:	01/17/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	02/27/2020

A6 **SEA PARK WEST HDFC** **NY UST U000411980**
Target **2930 WEST 30TH STREET** **NY AST N/A**
Property **BROOKLYN, NY 11224**

Site 6 of 24 in cluster A

Actual: **3 ft.**

UST:

Name:	SEA PARK WEST HDFC
Address:	2930 WEST 30TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-600254 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	09/22/2024
UTM X:	584950.21040
UTM Y:	4491949.23774
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22237
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT
Contact Type:	Not reported
Contact Name:	I KIM
Address1:	1044 NORTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11376
Country Code:	001
Phone:	(516) 277-9300
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Site Id:	22237
Affiliation Type:	Facility Operator
Company Name:	SEA PARK WEST HDFC
Contact Type:	Not reported
Contact Name:	ALBERTO LOPEZ
Address1:	Not reported

SEA PARK WEST HDFC (Continued) **U000411980**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2913
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2011-08-12

Site Id:	22237
Affiliation Type:	Facility Owner
Company Name:	SEA PARK WEST HDFC
Contact Type:	FACILITIES DIRECTOR
Contact Name:	I KIM
Address1:	15 VERBERA AVE STE 100
Address2:	Not reported
City:	FLORAL PARK
State:	NY
Zip Code:	11001
Country Code:	001
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Site Id:	22237
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK WEST HDFC
Contact Type:	Not reported
Contact Name:	ROBERT GRODERO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Tank Info:

Tank Number:	001
Tank ID:	41681
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	01/01/1973
Date Tank Closed:	09/01/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel

SEA PARK WEST HDFC (Continued) **U000411980**

Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 02/08/2003
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 04/14/2017

Equipment Records:

I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

AST:

Name: SEA PARK WEST HDFC
Address: 2930 WEST 30TH STREET
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-600254
Program Type: PBS
UTM X: 584950.21040
UTM Y: 4491949.23774
Expiration Date: 09/22/2024
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 22237
Affiliation Type: Mail Contact
Company Name: PROGRESSIVE MGMT
Contact Type: Not reported
Contact Name: I KIM
Address1: 1044 NORTHERN BLVD
Address2: 2ND FLOOR
City: ROSLYN
State: NY
Zip Code: 11376
Country Code: 001
Phone: (516) 277-9300
EMail: IKIM@PROGRESSIVEMGMT.NET
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2019-06-18

Site Id: 22237
Affiliation Type: Facility Operator
Company Name: SEA PARK WEST HDFC
Contact Type: Not reported

SEA PARK WEST HDFC (Continued) **U000411980**

Contact Name:	ALBERTO LOPEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2913
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2011-08-12

Site Id:	22237
Affiliation Type:	Facility Owner
Company Name:	SEA PARK WEST HDFC
Contact Type:	FACILITIES DIRECTOR
Contact Name:	I KIM
Address1:	15 VERBERA AVE STE 100
Address2:	Not reported
City:	FLORAL PARK
State:	NY
Zip Code:	11001
Country Code:	001
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Site Id:	22237
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK WEST HDFC
Contact Type:	Not reported
Contact Name:	ROBERT GRODERO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-06-18

Tank Info:

Tank Number:	002
Tank Id:	217813
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B05 - Tank External Protection - Jacketed

SEA PARK WEST HDFC (Continued) **U000411980**

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping
C01 - Pipe Location - Aboveground
F05 - Pipe External Protection - Jacketed

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/01/2005
Capacity Gallons:	8500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JSMACRI
Last Modified:	06/18/2019
Material Name:	#2 fuel oil (on-site consumption)

B7 **SEA PARK EAST LP** **NY UST U001841366**
2980 WEST 28TH STREET **NY AST N/A**
< 1/8 **BROOKLYN, NY 11224**
1 ft.

Site 1 of 5 in cluster B

Relative: Higher
Actual: 3 ft.

UST:

Name:	SEA PARK EAST LP
Address:	2980 WEST 28TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-600255 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	10/14/2024
UTM X:	585155.11221
UTM Y:	4491899.61467
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22238
Affiliation Type:	Facility Operator
Company Name:	SEA PARK EAST HDFC
Contact Type:	Not reported
Contact Name:	GORDON JACKMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2953

SEA PARK EAST LP (Continued) **U001841366**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2011-08-12

Site Id:	22238
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK EAST LP
Contact Type:	Not reported
Contact Name:	ILGOO KIM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-09-24

Site Id:	22238
Affiliation Type:	Facility Owner
Company Name:	SEA PARK EAST LP
Contact Type:	FACILITIES DIRECTOR
Contact Name:	ILSOO KIM
Address1:	1044 NOTHERN BLVD, 2ND FLOOR
Address2:	Not reported
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(516) 277-9379
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-09-10

Site Id:	22238
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT
Contact Type:	FACILITIES DIRECTOR
Contact Name:	ROBERT GADERO
Address1:	1044 NOTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(917) 601-5999
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-09-10

SEA PARK EAST LP (Continued) **U001841366**

Tank Info:

Tank Number:	001
Tank ID:	41682
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	01/01/1973
Date Tank Closed:	09/01/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	21
Date Test:	02/08/2003
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DXLIVING
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle

AST:

Name:	SEA PARK EAST LP
Address:	2980 WEST 28TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600255
Program Type:	PBS
UTM X:	585155.11221
UTM Y:	4491899.61467
Expiration Date:	10/14/2024
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	22238
Affiliation Type:	Facility Operator
Company Name:	SEA PARK EAST HDFC
Contact Type:	Not reported
Contact Name:	GORDON JACKMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported

SEA PARK EAST LP (Continued) **U001841366**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 731-2953
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2011-08-12

Site Id:	22238
Affiliation Type:	Emergency Contact
Company Name:	SEA PARK EAST LP
Contact Type:	Not reported
Contact Name:	ILGOO KIM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 277-9300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2014-09-24

Site Id:	22238
Affiliation Type:	Facility Owner
Company Name:	SEA PARK EAST LP
Contact Type:	FACILITIES DIRECTOR
Contact Name:	ILSOO KIM
Address1:	1044 NOTHERN BLVD, 2ND FLOOR
Address2:	Not reported
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(516) 277-9379
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-09-10

Site Id:	22238
Affiliation Type:	Mail Contact
Company Name:	PROGRESSIVE MGMT
Contact Type:	FACILITIES DIRECTOR
Contact Name:	ROBERT GADERO
Address1:	1044 NOTHERN BLVD
Address2:	2ND FLOOR
City:	ROSLYN
State:	NY
Zip Code:	11576
Country Code:	001
Phone:	(917) 601-5999
EMail:	IKIM@PROGRESSIVEMGMT.NET
Fax Number:	Not reported

SEA PARK EAST LP (Continued) **U001841366**

Modified By: JSMACRI
Date Last Modified: 2019-09-10

Tank Info:

Tank Number: 002
Tank Id: 217814
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F05 - Pipe External Protection - Jacketed
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm
A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
B05 - Tank External Protection - Jacketed
G02 - Tank Secondary Containment - Vault (w/access)

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 09/01/2005
Capacity Gallons: 10000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: JSMACRI
Last Modified: 09/10/2019
Material Name: #2 fuel oil (on-site consumption)

B8 **SPILL NUMBER 8805112** **NY Spills** **S102142330**
2980 W. 28TH ST **N/A**
< 1/8 **BROOKLYN, NY**
1 ft.

Site 2 of 5 in cluster B

Relative: Higher
Actual: 3 ft.

SPILLS:
Name: SPILL NUMBER 8805112
Address: 2980 W. 28TH ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 8805112 / 2003-12-19
Facility ID: 8805112
Facility Type: ER
DER Facility ID: 128100
Site ID: 150678
DEC Region: 2
Spill Cause: Equipment Failure
Spill Class: C4
SWIS: 2401

SPILL NUMBER 8805112 (Continued) **S102142330**

Spill Date:	1988-09-13
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	1988-09-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Tank Tester
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-09-19
Spill Record Last Update:	2003-12-22
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE Sangesland DDO Brian Graham of Brookside Environmental was hired to try and close out this case. Geoprobes found contamination around the tank. Contaminated Soil Letter sent out to: Brian Graham Brookside Environmental 757 Foxhurst Rd. Baldwin, NY 11510 516-377-6399 office 516-852-3436 cell 6/18/03 tipple spoke with brian, complete delineation soil and water and determine remedial strategies based on findings. 8/1/03 GEOPROBING TO COMMENCE ON 8/5/03 9/8/03Tipple updating// CONTAMINENTS DELINEATED// TO BE EXCAVATED SOON, TANK IN COURTYARD, WILL REMOVE AS MUCH CONTAMINATED SOIL AS POSSIBLE WHILE NOT UNDERMINING BUILDING. WILL CALL DEC WHEN WORK IS SCHEDULED TO CONTINUE. Bill Conroy 631-423-1240/// 10/07/03 SUBMITTAL MISSING DISPOSAL DOCUMENTATION 12/19/2003 MT//// documentation received and site visit conducted//no further action necessary//"
Remarks:	"15K TANK HAD INCONCLUSIVE HORNER EZY CHECK, TOOK SAMPLES, PUMPED OUT TANK & REMOVED OIL, SANDBLASTED TANK, FOUND HOLES IN THE SIDE OF TANK."

All TTF:

Facility ID:	8805112
Spill Number:	8805112
Spill Tank Test:	1534598
Site ID:	150678
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

SPILL NUMBER 8805112 (Continued) **S102142330**

All Materials:

Site ID:	150678
Operable Unit ID:	920272
Operable Unit:	01
Material ID:	557642
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

B9 **NY LEAD** **S125971634**
2980 WEST 28 STREET **N/A**
< 1/8 **BROOKLYN, NY 11224**
1 ft.

Site 3 of 5 in cluster B

Relative: NYC LEAD:
Higher

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861337
Building ID:	809860
Registration ID:	375940
Apartment:	1447
Story:	14
Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) WEST WALL IN THE FOYER LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861338
Building ID:	809860
Registration ID:	375940
Apartment:	1447

Actual:
3 ft.

(Continued) **S125971634**

Story:	14
Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) EAST WALL IN THE KITCHEN LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861339
Building ID:	809860
Registration ID:	375940
Apartment:	1447
Story:	14
Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) NORTH WALL, 1st WINDOW FRAME FROM EAST AT SOUTH WALL IN THE 23rd ROOM FROM NORTH AT EAST LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861340
Building ID:	809860
Registration ID:	375940
Apartment:	1447
Story:	14

(Continued) **S125971634**

Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) NORTH WALL, 1st WINDOW FRAME FROM EAST AT SOUTH WALL IN THE 23rd ROOM FROM NORTH AT WEST LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13861336
Building ID:	809860
Registration ID:	375940
Apartment:	1447
Story:	14
Class:	Most Serious
Inspection Date:	10/06/2020
Approved Date:	10/19/2020
Original Certify By Date:	11/18/2020
Original Correct By Date:	11/13/2020
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6985933
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) CEILING, WEST WALL IN THE BATHROOM LOCATED AT APT 1447, 14th STORY, 8th APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	10/20/2020
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	11/24/2020

Name:	Not reported
Address:	2980 WEST 28 STREET
City,State,Zip:	BROOKLYN, NY 11224
Violation ID:	13157635
Building ID:	809860
Registration ID:	375940
Apartment:	1942
Story:	19
Class:	Most Serious

(Continued) **S125971634**

Inspection Date:	06/27/2019
Approved Date:	07/05/2019
Original Certify By Date:	08/10/2019
Original Correct By Date:	08/05/2019
New Certify By Date:	Not reported
New Correct By Date:	Not reported
Certified Date:	Not reported
Order Number:	616
NOV ID:	6532817
NOV Description:	SECTION 27-2056.6 ADM CODE - CORRECT THE LEAD-BASED PAINT HAZARD - PRESUMED LEAD PAINT THAT IS PEELING OR ON A DETERIORATED SUBSURFACE USING WORK PRACTICES SET FORTH IN 28 RCNY 11-06(B)(2) WEST WALL IN THE FOYER LOCATED AT APT 1942, 19th STORY, 2nd APARTMENT FROM EAST AT SOUTH
NOV Issued Date:	07/08/2019
Current Status ID:	19
Current Status:	VIOLATION CLOSED
Current Status Date:	10/21/2019

C10 **CONEY ISLAND I SITE 4 & 5** **NY AST** **A100364503**
SE **2925 WEST 27TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.002 mi.
11 ft. **Site 1 of 4 in cluster C**

Relative:
Higher

Actual:
3 ft.

AST:

Name:	CONEY ISLAND I SITE 4 & 5
Address:	2925 WEST 27TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-474037
Program Type:	PBS
UTM X:	585229.76014
UTM Y:	4492071.29380
Expiration Date:	N/A
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20875
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	Not reported
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MXLAY
Date Last Modified:	2017-03-10

Site Id:	20875

CONEY ISLAND I SITE 4 & 5 (Continued) **A100364503**

Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR--REMEDIATION UNIT
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-01-17

Site Id:	20875
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND I SITE 4 & 5
Contact Type:	Not reported
Contact Name:	NYCHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-01-17

Site Id:	20875
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2014-01-30

Tank Info:

Tank Number:	2
Tank Id:	246517
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

CONEY ISLAND I SITE 4 & 5 (Continued) **A100364503**

Equipment Records:

	G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
	K00 - Spill Prevention - None
	A00 - Tank Internal Protection - None
	B01 - Tank External Protection - Painted/Asphalt Coating
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J03 - Dispenser - Gravity
	C01 - Pipe Location - Aboveground
	F00 - Pipe External Protection - None
	L09 - Piping Leak Detection - Exempt Suction Piping
	H00 - Tank Leak Detection - None
	E00 - Piping Secondary Containment - None
	I05 - Overfill - Vent Whistle
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/20/2012
Capacity Gallons:	6000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	03/10/2015
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

C11 **CONEY ISLAND I SITE 4 & 5** **NY UST** **U004125644**
SE **2925 WEST 27TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.002 mi.
11 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
3 ft.

UST:

Name:	CONEY ISLAND I SITE 4 & 5
Address:	2925 WEST 27TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-474037 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	585229.76014
UTM Y:	4492071.29380
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20875
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	Not reported
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY

CONEY ISLAND I SITE 4 & 5 (Continued) **U004125644**

State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MXLAY
Date Last Modified:	2017-03-10

Site Id:	20875
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR--REMEDIATION UNIT
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-01-17

Site Id:	20875
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND I SITE 4 & 5
Contact Type:	Not reported
Contact Name:	NYCHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-01-17

Site Id:	20875
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported

CONEY ISLAND I SITE 4 & 5 (Continued) **U004125644**

Modified By: NRLOMBAR
Date Last Modified: 2014-01-30

Tank Info:

Tank Number: 1
Tank ID: 37588
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 35000
Install Date: 07/01/1974
Date Tank Closed: 11/23/2016
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 14
Date Test: 05/28/2013
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DAFRANCI
Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
E00 - Piping Secondary Containment - None
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm

D12 **CON EDISON** **NY MANIFEST** **S117065814**
South **2871 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.004 mi.
21 ft. **Site 1 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:
Name: CON EDISON
Address: 2871 SURF AVE
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004584082
Facility Status: Not reported
Location Address 1: 2871 SURF AVE
Code: BP
Location Address 2: V 5926
Total Tanks: Not reported
Location City: BROOKLYN

CON EDISON (Continued) **S117065814**

Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004584082
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/02/2014
Trans1 Recv Date:	07/02/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/06/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004584082
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	013254898JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks

CON EDISON (Continued) **S117065814**

Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

E13 **CON EDISON** **NY Spills** **S106008957**
South **2955 W 29TH ST** **NY MANIFEST** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.005 mi.
26 ft. **Site 1 of 3 in cluster E**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	VS #5993
Address:	2955 WEST 29TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0208004 / 2004-01-20
Facility ID:	0208004
Facility Type:	ER
DER Facility ID:	85017
Site ID:	94996
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2002-11-01
Investigator:	AERODRIG
Referred To:	Not reported
Reported to Dept:	2002-11-01
CID:	281
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-11-01
Spill Record Last Update:	2004-01-20
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BILL MURPHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RODRIGUEZ e2mis notes 145867 01-NOV-2002 11:33 HRS. NETWORKS DEPT. SPLICER. S. ASFOUR EMP# 49908 REPORTS: ON LOCATION FOR INSPECTION VS-5993 ON FEEDER 7B44 FOUND: APPROX 15 GAL'S OF UNKNOWN OIL ON APPROX. 900 GAL'S OF WATER. SPILL APPEARS TO BE CONTAINED AT THIS TIME. NO SEWERS OR WATER WAYS APPEAR TO BE AFFECTED.THERE IS NOT NOW NOR WAS THERE PRIOR FIRE INVOLVEMENT .THERE IS NOT NOW NOR WAS THERE PRIOR SMOKE INVOLVEMENT. THERE WERE NO INJURIES RELATED TO THIS

CON EDISON (Continued) **S106008957**

INCIDENT. THERE ARE NO INCLEMENT WEATHER CONDITIONS OR HAZARD THAT CONTRIBUTED TO THIS SPILL .NO KNOWN SUMP OR PUMP. NO KNOWN SEWER CONNECTION PRESENT. NO PRIVATE PROPERTY AFFECTED. OWNER OF SUBSTANCES IS UNKNOWN. NO KNOWN SUBSTANTIAL CRACKS IN STRUCTURE. ENIVIR. TAG# 36674 PLACED. 1 LIQ. SAMPLE TAKEN FROM SPILL & MARKED PRIORITY E CHAIN OF CUSTODY# CC-07868. SAMPLE TO BE TAKEN TO ASTORIA CHEM. LAB. CLEANUP PENDING TEST RESULTS. UNIT PRESSURE TESTED AND FAILED . UNIT BELOW MIN. HISTORICAL PCB RESULTS 10 PPM LSN- 508599 3-2-95. EQUIPMENT SERIAL# H375354, MFR. GE, YR. OF MFR. 1973. 1/20/04 Cleanup completed 3/28/03. Equipment removed on 4/28/03."

Remarks: "ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION. SAMPLE TO BE TAKEN AND CLEANUP IS BEING SCHEDULED. VAULT CONTAINS OIL TRANSFORMER. TRANSFORMER FAILED PRESSURE TEST. HX PCB 10PPM / MARCH 1995. CON ED #145867. MATERIAL REPORTED ON TOP OF 900 GALLONS OF WATER."

All Materials:

Site ID:	94996
Operable Unit ID:	861009
Operable Unit:	01
Material ID:	515007
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NY MANIFEST:

Name:	CON EDISON
Address:	2955 W 29TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004296265
Facility Status:	Not reported
Location Address 1:	2955 WEST 29 TH ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004296265
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

CON EDISON (Continued) **S106008957**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	03/26/2013
Trans1 Recv Date:	03/26/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004296265
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002017271GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

E14
South
< 1/8
0.005 mi.
26 ft.

CON EDISON - MANHOLE 71777
2955 WEST 29 TH ST
BROOKLYN, NY 11224

Site 2 of 3 in cluster E

RCRA-LQG **1016450602**
NYP004296265

Relative:
Higher

Actual:
3 ft.

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 71777
Handler Address:	2955 WEST 29 TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004296265
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	401-765-1500
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CON EDISON - MANHOLE 71777 (Continued) **1016450602**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130326
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private

CON EDISON - MANHOLE 71777 (Continued) **1016450602**

Date Became Current: 20130326
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 71777
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130326
Handler Name: CON EDISON MANHOLE: 71777
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130426
Handler Name: CON EDISON MANHOLE: 71777
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

CON EDISON - MANHOLE 71777 (Continued) **1016450602**

Evaluation Action Summary:
Evaluations: No Evaluations Found

A15 **2827 MERMAID AVENUE (HURRICANE SANDY)** **NY Spills** **S112807474**
South **2827 MERMAID AVENUE** **N/A**
< 1/8 **CONEY ISLAND, NY 11224**
0.005 mi.
28 ft. **Site 7 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	2827 MERMAID AVENUE (HURRICANE SANDY)
Address:	2827 MERMAID AVENUE
City,State,Zip:	CONEY ISLAND, NY 11224
Spill Number/Closed Date:	1212244 / 2012-11-14
Facility ID:	1212244
Facility Type:	ER
DER Facility ID:	430673
Site ID:	475389
DEC Region:	2
Spill Cause:	Storm
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2012-10-29
Investigator:	Hurricane Sandy R2
Referred To:	Not reported
Reported to Dept:	2012-11-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	Not reported
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	Not reported
Remediation Phase:	Not reported
Date Entered In Computer:	2012-11-20
Spill Record Last Update:	2012-11-20
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	Not reported
DEC Memo:	"This spill report was created for tracking purposes related to the Department’s Hurricane Sandy emergency response efforts. DEC Pumped out 600Gallons on 11/14/2012"
Remarks:	""

All Materials:

Site ID:	475389
Operable Unit ID:	1225224
Operable Unit:	01
Material ID:	2228903
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum

2827 MERMAID AVENUE (HURRICANE SANDY) (Continued) **S112807474**

Quantity:	Not reported
Units:	Not reported
Recovered:	600.00
Oxygenate:	Not reported

A16 **LOT 54,TAXBLOCK 7011** **NY E DESIGNATION** **S122254629**
South **2827 MERMAID AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.005 mi.
28 ft. **Site 8 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

E DESIGNATION:

Name:	LOT 54,TAXBLOCK 7011
Address:	2827 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	54
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A17 **2827 MERMAID AVENUE (HURRICANE SANDY)** **NY SPILLS 90** **S112394969**
South **2827 MERMAID AVENUE** **N/A**
< 1/8 **CONEY ISLAND, NY 11224**
0.005 mi.
28 ft. **Site 9 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

Spills:

Status:	CLOSED
Contact Name:	Not reported
Contact Phone:	Not reported
Site ID:	1212244
Secondary ID:	475389
Cross Street:	Not reported
County:	KINGS
Longitude:	0
Latitude:	0
Elevation:	Not reported

F18 **CON EDISON VAULT # 589** **NY Spills** **S112226396**
ESE **WEST 28TH STREET & MERMAID AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.006 mi.
30 ft. **Site 1 of 4 in cluster F**

Relative:
Lower

Actual:
2 ft.

SPILLS:

Name:	CON EDISON VAULT # 589
Address:	WEST 28TH STREET & MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1205589 / 2012-09-05
Facility ID:	1205589
Facility Type:	ER
DER Facility ID:	422860
Site ID:	468548
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2012-09-05
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	2012-09-05
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-09-05
Spill Record Last Update:	2012-09-05
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	Not reported
DEC Memo:	"9/5/12-Vought-Primary off-hours responder. This spill duplicate spill. Spill closed and referred to spill #1205590."
Remarks:	"Spill is contained in a cement vault. Believed to have been caused by tidal water. There is approx 50 gallons of water in the vault also."

All Materials:

Site ID:	468548
Operable Unit ID:	1218468
Operable Unit:	01
Material ID:	2216869
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

F19
ESE
< 1/8
0.006 mi.
30 ft.

CON EDISON VAULT #589
WEST 28TH STREET & MERMAID AVENUE
BROOKLYN, NY

Site 2 of 4 in cluster F

NY Spills **S112226397**
N/A

Relative:
Lower

Actual:
2 ft.

SPILLS:

Name:	CON EDISON VAULT #589
Address:	WEST 28TH STREET & MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1205590 / 2014-09-25
Facility ID:	1205590
Facility Type:	ER
DER Facility ID:	422860
Site ID:	468549
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	D4
SWIS:	2401
Spill Date:	2012-09-05
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2012-09-05
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-09-05
Spill Record Last Update:	2014-09-25
Spiller Name:	ERT
Spiller Company:	CON EDISON
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"9/4/12-Vought-Primary off hours responder. This spill assigned to DEC Feroze as part of routine Con Edison minor spill porfolio review and possible closure. Initial EMIS #230931 added to Cross Reference Field, deleted from Proxy and downloaded into E-docs. As per EMIS, F.O.D. Mech Mr. Dacon reports while being sent to phase check VS5589 (11B03) he discovered 30 gal of unknown oil in structure on 50 gal. of water contained. Possible source to be the unit and a pressure test is required. It is possible this structure is a tide hole as well. E-tag# 105972 was hung and a liquid sample of the structure was taken C/C# GG36440. Acct#C3237. N/P Tues & Friday 8:00 - 9:30 Am. See also duplicate spill 1205589 at same site. 9/25/14 - Austin - 30 gals motor oil (oil cans found in vicinity) atop 50 gals water in vault - Con Ed contained and cleaned up the spill - See the document files for further information - Spill closed - end"
Remarks:	"Spill is contained in a cement vault. Believed to have been caused by tidal water. There is approx 50 gallons of water in the vault also."

All Materials:

Site ID:	468549

CON EDISON VAULT #589 (Continued) **S112226397**

Operable Unit ID:	1218469
Operable Unit:	01
Material ID:	2216846
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

G20 **SURFSIDE -NYCHA** **NY LTANKS** **U000410718**
SE **2926 WEST 27TH STREET** **N/A**
< 1/8 **BROOKLYN, NY**
0.007 mi.
36 ft. **Site 1 of 2 in cluster G**

Relative: **Higher**
Actual: **3 ft.**

LTANKS:

Name:	SURFSIDE -NYCHA
Address:	2926 WEST 27TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9011481 / 2008-09-23
Facility ID:	9011481
Site ID:	185656
Spill Date:	1991-01-31
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	1991-01-31
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-02-08
Spill Record Last Update:	2008-09-23
Spiller Name:	Not reported
Spiller Company:	NYCHA
Spiller Address:	250 BROADWAY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	155282
DEC Memo:	"01/24/06: This spill transferred from J.Kolleeny to S.Kraszewski. One TTF in 1990 for a 35K tank installed in 1974. Tank was repaired and retested in 1993 and passed. Next test was in 1998. PBS database shows tank as active. However, NYCHA Tank Status Report does not have

SURFSIDE -NYCHA (Continued) **U000410718**

the tank listed for Surfside Houses. Unsure if tank is still active. Also, since a spill was recorded for this site a subsurface investigation must be performed to determine the extent of the contamination. - SK 03/14/06: This spill reassigned to K.Tang. - SK 09/23/08: Documents related to tank tightness testing submitted to the Department. Results indicate that manway gasket nuts and bolts were cause of testing failure, they were replaced and the tank passed testing. Spill closed based on this information. J.kann "

Remarks: "35K TANK FAILED HORNER EZY CHECK,SYSTEM TEST,GROSS LEAK,WILL EXCAVATE,ISOLATE & RETEST."

All TTF:

Facility ID:	9011481
Spill Number:	9011481
Spill Tank Test:	1538203
Site ID:	185656
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	185656
Operable Unit ID:	948499
Operable Unit:	01
Material ID:	428024
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

E21 **CON EDISON MANHOLE: 71776** **RCRA NonGen / NLR** **1016960497**
South **2965 W 29TH ST** **NY MANIFEST** **NYP004324935**
< 1/8 **BROOKLYN, NY 11224**
0.009 mi.
46 ft. **Site 3 of 3 in cluster E**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:	20130805
Handler Name:	CON EDISON MANHOLE: 71776
Handler Address:	2965 W 29TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004324935
Contact Name:	JUMEL DILLARD

Actual:
3 ft.

CON EDISON MANHOLE: 71776 (Continued) **1016960497**

Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		718-666-4564
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		ADMINISTRATIVE ASSISTANT L1-2
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking

CON EDISON MANHOLE: 71776 (Continued) **1016960497**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20140701
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20130705
Handler Name: CON EDISON MANHOLE: 71776	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130805
Handler Name: CON EDISON MANHOLE: 71776	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

CON EDISON MANHOLE: 71776 (Continued) **1016960497**

Evaluations: No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	2965 W 29TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004324935
Facility Status:	Not reported
Location Address 1:	2965 WEST 29TH ST
Code:	BP
Location Address 2:	MH #71776
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004324935
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PLACE 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	14150
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	07/05/2013
Trans1 Recv Date:	07/05/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/08/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004324935
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002084570GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N

CON EDISON MANHOLE: 71776 (Continued) **1016960497**

Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

H22 **LOT 1,TAXBLOCK 7011** **NY E DESIGNATION** **S122254394**
North **2828 NEPTUNE AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.010 mi.
51 ft. **Site 1 of 3 in cluster H**

Relative: **Lower**
Actual: **2 ft.**

E DESIGNATION:

Name:	LOT 1,TAXBLOCK 7011
Address:	2828 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	1
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A23
South
< 1/8
0.010 mi.
52 ft.

LOT 53,TAXBLOCK 7011
2825 MERMAID AVENUE
BROOKLYN, NY

Site 10 of 24 in cluster A

NY E DESIGNATION **S122254626**
N/A

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 53,TAXBLOCK 7011
Address:	2825 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	53
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A24
SE
< 1/8
0.010 mi.
52 ft.

LOT 49,TAXBLOCK 7011
2815 MERMAID AVENUE
BROOKLYN, NY

Site 11 of 24 in cluster A

NY E DESIGNATION **S122254604**
N/A

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 49,TAXBLOCK 7011
Address:	2815 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	49
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A25 **LOT 51,TAXBLOCK 7011** **NY E DESIGNATION** **S122254621**
SSE **2819 MERMAID AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.010 mi.
54 ft. **Site 12 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

E DESIGNATION:

Name:	LOT 51,TAXBLOCK 7011
Address:	2819 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	51
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A26 **RESIDENCE** **NY LTANKS** **S107523153**
SSE **2819 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.010 mi.
54 ft. **Site 13 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

LTANKS:

Name:	RESIDENCE
Address:	2819 MERMAID AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0510753 / 2006-08-21
Facility ID:	0510753
Site ID:	356790
Spill Date:	2005-12-14
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	qxabidi
Referred To:	Not reported
Reported to Dept:	2005-12-14
CID:	408
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-12-14

RESIDENCE (Continued) **S107523153**

Spill Record Last Update:	2006-08-21
Spiller Name:	VICTORIA CHCORI
Spiller Company:	RESIDENCE
Spiller Address:	2819 MERMAID AVE
Spiller County:	001
Spiller Contact:	VICTORIA CHCORI
Spiller Phone:	(718) 375-2731
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	306848
DEC Memo:	"Sangesland spoke to Rose Guido at Petro. She says the building has two 275 gal tanks tied together. There was a previous leak in one tank that was repaired in the past. Now there is a leak in the bottom of the second tank. Petro has called Milro to the site to vac out both tanks, they will set up a temp tank and will work on the clean up and tank repair/replacement in the next few days. *****Need to contact Milro in a few days to find out what work was done and if a digout is needed. ****** 12/20/05 - Raphael Ketani. I called Milro ((800) 773-6780), but there was no one there who could tell me what was taking place at the site. I left a message for someone to call me back. I spoke to Nick Charonotoulos of PTC and he said that the two tanks had been removed, but he didn't know anything else. Anthony called me back to say that the tanks were only pumped out and not removed. He sent a FAX with the hazardous waste material manifest for the tank bottom sludge. 12/29/05 - Raphael Ketani. I left a message for Anthony of Milro to call me back regarding progress on cleaning up the spill. Anthony called me back and said that he would look into what was happening with the site. 07/18/06: This spill is transferred from Mr. Koon Tang to Q.Abidi. Called Mr. Nick (Manager) at (718)628-3305 and left message to call me back. -QA 08/08/06: Called Mr. Nick and left message to call me back. -QA 08/21/06: Called Anthony (Milro Company) and left message to call me back. -QA 08/21/06: According to the letter of Mr. Nick Chronopoulos, Manager (Petro Heating Company) in which he mentioned they cleaned up all the oil and debris, at above premises. The oil in the basement fell on a concrete floor which had no cracks. All the oil was contained near the tanks and picked up. The tanks were leaking were pumped out by Milro Company and removed from the premises. Based on this information this spill is closed. -QA "
Remarks:	"TANK IS LEAKING ON THE BOTTOM. CLEAM UP IN PROGRESS"

All Materials:

Site ID:	356790
Operable Unit ID:	1114085
Operable Unit:	01
Material ID:	2104166
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A27
SE
< 1/8
0.010 mi.
54 ft.

LOT 47,TAXBLOCK 7011
2809 MERMAID AVENUE
BROOKLYN, NY

Site 14 of 24 in cluster A

NY E DESIGNATION **S122254600**
N/A

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 47,TAXBLOCK 7011
Address:	2809 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	47
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

A28
SSE
< 1/8
0.010 mi.
54 ft.

LOT 52,TAXBLOCK 7011
2823 MERMAID AVENUE
BROOKLYN, NY 11224

Site 15 of 24 in cluster A

NY E DESIGNATION **S122254622**
N/A

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 52,TAXBLOCK 7011
Address:	2823 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Tax Lot(s):	52
Tax Block:	7011
Borough Code:	BK
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

F29 **USPS - CONEY ISLAND STATION** **RCRA NonGen / NLR** **1004756162**
East **2727 MERMAID AVE** **FINDS** **NY9180011224**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.011 mi.
60 ft. **Site 3 of 4 in cluster F**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	USPS - CONEY ISLAND STATION	
Handler Address:		2727 MERMAID AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-9998
EPA ID:		NY9180011224
Contact Name:		ROBERT SKRIVANEK
Contact Address:		LIBERTY AVE
Contact City,State,Zip:		OZONE PARK, NY 11417-1045
Contact Telephone:		718-529-7220
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Federal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		LIBERTY AVE
Mailing City,State,Zip:		OZONE PARK, NY 11417-1045
Owner Name:	US POSTAL SERVICE	
Owner Type:		Federal
Operator Name:	US POSTAL SERVICE	
Operator Type:		Federal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		The land is federally-owned, The site is federally-owned, The site is federally-operated
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline

USPS - CONEY ISLAND STATION (Continued) **1004756162**

Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	USPS BROOKLYN PROC & DIST CENTER
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1050 FORBELL ST

USPS - CONEY ISLAND STATION (Continued) **1004756162**

Owner/Operator City,State,Zip: BROOKLYN, NY 11256-9998
Owner/Operator Telephone: 718-348-3510
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: US POSTAL SERVICE
Legal Status: Federal
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: US POSTAL SERVICE
Legal Status: Federal
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: 2727 MERMAID AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224-9998
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: US POSTAL SERVICE
Legal Status: Federal
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: US POSTAL SERVICE
Legal Status: Federal
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: 2727 MERMAID AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224-9998
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101
Handler Name: USPS - CONEY ISLAND STATION

USPS - CONEY ISLAND STATION (Continued) **1004756162**

Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: USPS - CONEY ISLAND STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19950705
Handler Name: US POSTAL SERVICE - CONEY ISLAND
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20030730
Handler Name: USPS - CONEY ISLAND STATION
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 49111
NAICS Description: POSTAL SERVICE

Facility Has Received Notices of Violations:
Violations: No Violations Found

USPS - CONEY ISLAND STATION (Continued) **1004756162**

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004326211

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004756162
Registry ID:	110004326211
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004326211
Name:	USPS - CONEY ISLAND STATION
Address:	2727 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224

I30 **CON EDISON** **RCRA NonGen / NLR** **1019905204**
South **W 30TH ST & SURF AVE** **FINDS** **NYP004807038**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.012 mi.
62 ft. **Site 1 of 11 in cluster I**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150714
Handler Name:	CON EDISON	
Handler Address:		W 30TH ST & SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004807038
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003

CON EDISON (Continued) **1019905204**

Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20160909
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported

CON EDISON (Continued) **1019905204**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Historic Generators:

Receive Date:	20150714
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20150714
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069671019

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CON EDISON (Continued) **1019905204**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1019905204
Registry ID:	110069671019
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110069671019
Name:	CON EDISON
Address:	W 30TH ST & SURF AVE
City,State,Zip:	BROOKLYN, NY 11224

H31 **MANHOLE #36383** **NY Spills** **S104880152**
North **NEPTUNE AV & W 28TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.012 mi.
65 ft. **Site 2 of 3 in cluster H**

Relative: **Lower**

Actual: **1 ft.**

SPILLS:

Name:	MANHOLE #36383
Address:	NEPTUNE AV & W 28TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0008915 / 2001-05-07
Facility ID:	0008915
Facility Type:	ER
DER Facility ID:	108903
Site ID:	125919
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2000-11-01
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2000-11-01
CID:	390
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-11-01
Spill Record Last Update:	2001-06-19
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	BILL MURPHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY DEC INSPECTOR'S NOTES CON ED E2MIS REPORT 11-01-00 Found approx. 1qt. of an unknown oily substance floating on approx. 500gals. of water in MH36383. while doing open mains. Liquid is contained, no sewersor waterways affected. No leaking equipment, no sump. Liquid PCB sample taken. Lab Seq# 00-10441 <1ppm Update

MANHOLE #36383 (Continued) **S104880152**

11-14-00 13:10hrs. Cleanup completed by Flush employee Russo. No sump in structure. 11-15-00 Clenaup completed by double washing structure with slix. Liquids were removed by tanker and solids were removed by vactor. No leaking company equipment. Incident closed. Aroclor 1242 1ppm Aroclor 1248 1ppm Aroclor 1254 1ppm Aroclor 1260 1ppm"

Remarks: "1 qt on 500 gals of water - sample taken clean up pending lab results con ed #134194"

All Materials:

Site ID:	125919
Operable Unit ID:	831337
Operable Unit:	01
Material ID:	546418
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A32
ESE
< 1/8
0.013 mi.
69 ft.

LOT 46,TAXBLOCK 7011
2807 MERMAID AVENUE
BROOKLYN, NY 11224

Site 16 of 24 in cluster A

NY E DESIGNATION **S122254596**
N/A

Relative:
Lower

Actual:
2 ft.

E DESIGNATION:

Name:	LOT 46,TAXBLOCK 7011
Address:	2807 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Tax Lot(s):	46
Tax Block:	7011
Borough Code:	BK
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported

A33
ESE
< 1/8
0.014 mi.
73 ft.

LOT 45,TAXBLOCK 7011
2805 MERMAID AVENUE
BROOKLYN, NY

Site 17 of 24 in cluster A

NY E DESIGNATION **S122254590**
N/A

Relative:
Lower

Actual:
2 ft.

E DESIGNATION:

Name:	LOT 45,TAXBLOCK 7011
Address:	2805 MERMAID AVENUE
City,State,Zip:	BROOKLYN, NY
Tax Lot(s):	45
Tax Block:	7011
Borough Code:	Not reported
E-No:	E-447
Effective Date:	3/21/2018
Satisfaction Date:	Not reported
Ceqr Number:	17DCP098K
Ulurp Number:	170240ZMK, 170241ZRK170240ZMK, 170241ZRK
Zoning Map No:	28d
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported

D34
South
< 1/8
0.014 mi.
73 ft.

CON EDISON MANHOLE: 53093
3047 W 29TH ST
BROOKLYN, NY 11224

Site 2 of 13 in cluster D

RCRA NonGen / NLR **1016677286**
FINDS **NYP004308490**
ECHO
NY MANIFEST

Relative:
Higher

Actual:
3 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20130607
Handler Name:	CON EDISON MANHOLE: 53093
Handler Address:	3047 W 29TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004308490
Contact Name:	ANTHONY SIGNORE
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	718-666-4714
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	GENERAL UTILITY WORKER L1-2
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	VING PL, RM 828
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	Not reported

CON EDISON MANHOLE: 53093 (Continued) **1016677286**

Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20140402
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported
Manifest Broker:		Not reported

CON EDISON MANHOLE: 53093 (Continued) **1016677286**

Sub-Part P Indicator: No

Historic Generators:

Receive Date:	20130507
Handler Name:	CON EDISON MANHOLE: 53093
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130607
Handler Name:	CON EDISON MANHOLE: 53093
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110058870832

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CON EDISON MANHOLE: 53093 (Continued) **1016677286**

ECHO:
- Envid: 1016677286
- Registry ID: 110058870832
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110058870832
- Name: CON EDISON MANHOLE: 53093
- Address: 3047 W 29TH ST
- City,State,Zip: BROOKLYN, NY 11224

NY MANIFEST:
- Name: CON EDISON
- Address: 3047 W 29TH ST
- City,State,Zip: BROOKLYN, NY 11224
- Country: USA
- EPA ID: NYP004308490
- Facility Status: Not reported
- Location Address 1: W 29TH ST & BOARDWALK
- Code: BP
- Location Address 2: MH 53093
- Total Tanks: Not reported
- Location City: BROOKLYN
- Location State: NY
- Location Zip: 11224
- Location Zip 4: Not reported

NY MANIFEST:
- EPAID: NYP004308490
- Mailing Name: CON EDISON
- Mailing Contact: CON EDISON
- Mailing Address 1: 4 IRVING PL 15TH FL
- Mailing Address 2: Not reported
- Mailing City: NEW YORK
- Mailing State: NY
- Mailing Zip: 10003
- Mailing Zip 4: Not reported
- Mailing Country: USA
- Mailing Phone: 2124603770

NY MANIFEST:
- Document ID: Not reported
- Manifest Status: Not reported
- seq: Not reported
- Year: 2018
- Trans1 State ID: NJD003812047
- Trans2 State ID: Not reported
- Generator Ship Date: 05/07/2013
- Trans1 Recv Date: 05/07/2013
- Trans2 Recv Date: Not reported
- TSD Site Recv Date: 05/08/2013
- Part A Recv Date: Not reported
- Part B Recv Date: Not reported
- Generator EPA ID: NYP004308490
- Trans1 EPA ID: Not reported
- Trans2 EPA ID: Not reported
- TSDF ID 1: NJD991291105
- TSDF ID 2: Not reported
- Manifest Tracking Number: 002017591GBF

CON EDISON MANHOLE: 53093 (Continued) **1016677286**

Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D009
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

J35 **CON EDISON - SERVICE BOX 4364** **RCRA-LQG** **1016962293**
SSW **2960 W 31 ST** **NYP004353058**
< 1/8 **BROOKLYN, NY 11216**
0.014 mi.
75 ft. **Site 1 of 8 in cluster J**

Relative: **Higher**
Actual: **4 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - SERVICE BOX 4364
Handler Address:	2960 W 31 ST
Handler City,State,Zip:	BROOKLYN, NY 11216
EPA ID:	NYP004353058
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	401-765-1500
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY

CON EDISON - SERVICE BOX 4364 (Continued) **1016962293**

State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

CON EDISON - SERVICE BOX 4364 (Continued) **1016962293**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130829
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130829
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140327
Handler Name:	CON EDISON - SERVICE BOX 4364
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date: 20130829

CON EDISON - SERVICE BOX 4364 (Continued) **1016962293**

Handler Name: CON EDISON SERVICE BOX: 4364
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130929
Handler Name: CON EDISON SERVICE BOX: 4364
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J36 **CON EDISON - SERVICE BOX** **NY MANIFEST** **S120958633**
SSW **2960 W 31 ST** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.014 mi.
75 ft. **Site 2 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:
Name: CON EDISON - SERVICE BOX
Address: 2960 W 31 ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004953327
Facility Status: Not reported
Location Address 1: 2960 W 31 ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224

CON EDISON - SERVICE BOX (Continued) **S120958633**

Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004953327
Mailing Name: CON EDISON - SERVICE BOX
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL 15TH FL NE
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

J37 **CON EDISON** **NY MANIFEST** **S117736940**
SSW **2960 W 31ST** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.014 mi.
75 ft. **Site 3 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:
Name: CON EDISON
Address: 2960 W 31ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004589669
Facility Status: Not reported
Location Address 1: 2960 W 31ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004589669
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported

CON EDISON (Continued) **S117736940**

Generator Ship Date:	07/08/2014
Trans1 Recv Date:	07/08/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004589669
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774243JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

J38 **CON EDISON** **NY MANIFEST** **S119073732**
SSW **2960 W 31 ST** **N/A**
< 1/8 **BROOKLYN, NY 11216**
0.014 mi.
75 ft. **Site 4 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	2960 W 31 ST
City,State,Zip:	BROOKLYN, NY 11216
Country:	USA
EPA ID:	NYP004353058
Facility Status:	Not reported
Location Address 1:	2960 W 31 ST
Code:	BP

CON EDISON (Continued) **S119073732**

Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11216
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004353058
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE 15 FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	08/29/2013
Trans1 Recv Date:	08/29/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/03/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004353058
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002219653GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500

CON EDISON (Continued) **S119073732**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

K39 **NYC DEPT OF EDUCATION - PS 329K** **RCRA-SQG** **1017780058**
SSW **2929 W 30TH ST** **NYR000216507**
< 1/8 **BROOKLYN, NY 11224**
0.014 mi.
76 ft. **Site 1 of 2 in cluster K**

Relative: **Higher**

Actual: **3 ft.**

RCRA-SQG:

Date Form Received by Agency:		20150116
Handler Name:	NYC DEPT OF EDUCATION -	PS 329K
Handler Address:		2929 W 30TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000216507
Contact Name:		ALEXANDER LEMPERT
Contact Address:		THOMSON AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-472-8501
Contact Fax:		718-472-8500
Contact Email:		ALEMPERT@NYCSCA.ORG
Contact Title:		SENIOR DIRECTOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		THOMSON AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYC DEPT OF EDUCATION	
Owner Type:		Municipal
Operator Name:	NYC DEPT OF SCHOOL FACILITIES	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No

NYC DEPT OF EDUCATION - PS 329K (Continued) **1017780058**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC DEPT OF SCHOOL FACILITIES	
Legal Status:	Municipal
Date Became Current:	19740123
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

NYC DEPT OF EDUCATION - PS 329K (Continued) **1017780058**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYC DEPT OF EDUCATION
Legal Status: Municipal
Date Became Current: 19740123
Date Ended Current: Not reported
Owner/Operator Address: 30-30 THOMSON AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101
Owner/Operator Telephone: 718-472-8501
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20150116
Handler Name: NYC DEPT OF EDUCATION - PS 329K
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 611110
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K40 **NYC DEPT OF EDUCATION - PS 329K** **NY AST** **U003394311**
SSW **2929 W 30TH ST** **NY Spills** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY MANIFEST**
0.014 mi.
76 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
3 ft.

AST:
Name: P.S. 329 - BROOKLYN K329
Address: 2929 WEST 30TH STREET
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-355739
Program Type: PBS
UTM X: 584961.87974
UTM Y: 4492065.56679

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Expiration Date: N/A
Site Type: School

Affiliation Records:

Site Id: 17741
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: Not reported
Address1: 44-36 VERNON BOULEVARD
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 349-5752
EMail: Not reported
Fax Number: Not reported
Modified By: MFLEONAR
Date Last Modified: 2017-06-08

Site Id: 17741
Affiliation Type: Mail Contact
Company Name: NYC DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: MUNENDRA SHARMA
Address1: FIELD OPERATIONS-FUEL DIVISION
Address2: 44-36 VERNON BOULEVARD
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 349-5752
EMail: MSHARMA@SCHOOLS.NYC.GOV
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2020-02-04

Site Id: 17741
Affiliation Type: Facility Operator
Company Name: PUBLIC SCHOOL 329 - BROOKLYN K329
Contact Type: Not reported
Contact Name: JOSEPH NISTA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 714-1461
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2014-04-14

Site Id: 17741
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Contact Type:	Not reported
Contact Name:	KEN MAHADEO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 210-7918
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2021-12-22

Tank Info:

Tank Number:	001
Tank Id:	34731
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

Equipment Records:

	A00 - Tank Internal Protection - None B01 - Tank External Protection - Painted/Asphalt Coating F01 - Pipe External Protection - Painted/Asphalt Coating K00 - Spill Prevention - None H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G) L00 - Piping Leak Detection - None D03 - Pipe Type - Stainless Steel Alloy G02 - Tank Secondary Containment - Vault (w/access) E00 - Piping Secondary Containment - None C03 - Pipe Location - Aboveground/Underground Combination J02 - Dispenser - Suction Dispenser I04 - Overfill - Product Level Gauge (A/G)
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	02/21/1974
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	03/31/2016
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	#4 fuel oil (on-site consumption)

Tank Number:	002
Tank Id:	34732
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
D03 - Pipe Type - Stainless Steel Alloy
G02 - Tank Secondary Containment - Vault (w/access)
E00 - Piping Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	02/21/1974
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	03/31/2016
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	#4 fuel oil (on-site consumption)

SPILLS:

Name:	SANDY FOLLOW UP
Address:	2929 WEST 30TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1208834 / 2013-04-23
Facility ID:	1208834
Facility Type:	ER
DER Facility ID:	426161
Site ID:	471897
DEC Region:	2
Spill Cause:	Storm
Spill Class:	C4
SWIS:	2401
Spill Date:	2012-11-03
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	2012-11-03
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Date Entered In Computer:	2012-11-03
Spill Record Last Update:	2013-04-23
Spiller Name:	BECKY KINAL
Spiller Company:	STORM
Spiller Address:	2929 WEST 30TH STREET
Spiller Company:	999
Contact Name:	BECKY KINAL
DEC Memo:	"AKRF oversaw the spill clean up in the AST vault and boiler room.As per AKRF, The boiler room and AST vault was cleaned to pre flood condition.Report in edocs.Case closed.(sr)"
Remarks:	""

All Materials:

Site ID:	471897
Operable Unit ID:	1221753
Operable Unit:	01
Material ID:	2220416
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NY MANIFEST:

Name:	NYC DEPT OF EDUCATION - PS 329K
Address:	2929 W 30TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000216507
Facility Status:	Not reported
Location Address 1:	2929 WEST 30TH STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000216507
Mailing Name:	NYC DEPT OF EDUCATION - PS 329K
Mailing Contact:	NEW YORK CITY SCA
Mailing Address 1:	2929 W 30TH ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	3478850108

NY MANIFEST:

NYC DEPT OF EDUCATION - PS 329K (Continued) **U003394311**

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	10/10/2016
Trans1 Recv Date:	10/10/2016
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/25/2016
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000216507
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	MAC300017498
TSDF ID 2:	Not reported
Manifest Tracking Number:	000976774VES
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H039
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2176
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	8
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Waste Code:	B004
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

J41 **SURFSIDE GARDENS (BLDG. #3)** **NY LTANKS** **U001840678**
SW **2940 WEST 31ST STREET** **NY UST** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY Spills**
0.014 mi.
76 ft. **Site 5 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

LTANKS:

Name:	SURFSIDE -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9103939 / 1995-04-27
Facility ID:	9103939
Site ID:	99908
Spill Date:	1991-07-12
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1995-04-27
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1991-07-12
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-07-12
Spill Record Last Update:	2005-12-29
Spiller Name:	Not reported
Spiller Company:	NYCHA
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	79598
DEC Memo:	""
Remarks:	"30K HORNER EZY-CHECK;GROSS LEAK-WILL EXCAVATE, ISOLATE & RETEST. SEE SPILL # 9411051"

All TTF:

Facility ID:	9103939
Spill Number:	9103939
Spill Tank Test:	1538755
Site ID:	99908
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 99908
Operable Unit ID: 954719
Operable Unit: 01
Material ID: 423051
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: -1.00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

Name: SURFSIDE PLANT #3 -NYCHA
Address: 2940 WEST 31ST ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9411051 / 2005-12-29
Facility ID: 9411051
Site ID: 91118
Spill Date: 1994-11-17
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: SWKRASZE
Referred To: Not reported
Reported to Dept: 1994-11-18
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1994-11-18
Spill Record Last Update: 2005-12-29
Spiller Name: Not reported
Spiller Company: NYC HOUSING AUTHORITY
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 79598
DEC Memo: "12/29/05: This spill transferred from R.Keating to S.Kraszewski. This spill closed to consolidate with open spill #0002408. - SK"
Remarks: "WILL EXCAVATE ISOLATE AND RETETST AT LATER DATE"

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

All TTF:

Facility ID:	9411051
Spill Number:	9411051
Spill Tank Test:	1543366
Site ID:	91118
Tank Number:	001
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	91118
Operable Unit ID:	1008929
Operable Unit:	01
Material ID:	376911
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SURFSIDE HOUSES -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9406062 / 1995-04-27
Facility ID:	9406062
Site ID:	298283
Spill Date:	1994-08-03
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	1995-04-27
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1994-08-03
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Remediation Phase:	0
Date Entered In Computer:	1994-08-09
Spill Record Last Update:	2005-12-29
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	79598
DEC Memo:	""
Remarks:	"TO MONITOR AND REPAIR. SEE SPILL # 9411051"

All TTF:

Facility ID:	9406062
Spill Number:	9406062
Spill Tank Test:	1543008
Site ID:	298283
Tank Number:	001
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	298283
Operable Unit ID:	1003438
Operable Unit:	01
Material ID:	379112
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SURFSIDE HOUSES -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9305776 / 1995-04-27
Facility ID:	9305776
Site ID:	105680
Spill Date:	1993-08-06
Spill Cause:	Tank Test Failure

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1995-04-27
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1993-08-10
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1993-08-11
Spill Record Last Update:	2005-12-29
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	79598
DEC Memo:	""
Remarks:	"TO EMPTY TANK-SET UP FOR ULTRASONIC TEST & LINE TEST. SEE SPILL # 9411051"

All TTF:

Facility ID:	9305776
Spill Number:	9305776
Spill Tank Test:	1541863
Site ID:	105680
Tank Number:	001
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	105680
Operable Unit ID:	987281
Operable Unit:	01
Material ID:	395682
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

UST:
Name: SURFSIDE GARDENS (BLDG. #3)
Address: 2940 WEST 31ST STREET
City,State,Zip: BROOKLYN, NY 11224
Id/Status: 2-474045 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 03/28/2024
UTM X: 584825.11645
UTM Y: 4491993.59395
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20876
Affiliation Type: Facility Owner
Company Name: NYC HOUSING AUTHORITY
Contact Type: COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2019-02-28

Site Id: 20876
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: 5TH FLOOR - REMEDIATION
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: YELENA.TKACH@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-18

Site Id: 20876
Affiliation Type: Facility Operator

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Company Name:	SURFSIDE GARDENS (BLDG. #3)
Contact Type:	Not reported
Contact Name:	NYC HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20876
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-01-31

Tank Info:

Tank Number:	1
Tank ID:	59517
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	07/01/2000
Date Tank Closed:	09/26/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	10/18/2018

Equipment Records:

C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

E04 - Piping Secondary Containment - Double walled UG
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
B09 - Tank External Protection - Urethane
H05 - Tank Leak Detection - In-Tank System (ATG)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
A00 - Tank Internal Protection - None
F05 - Pipe External Protection - Jacketed
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number:	OLD 1
Tank ID:	37589
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	30000
Install Date:	06/01/1969
Date Tank Closed:	06/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

SPILLS:

Name:	SURFSIDE GDNS PLANT # 3 -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9414147 / 1995-02-02
Facility ID:	9414147
Facility Type:	ER
DER Facility ID:	79598
Site ID:	298284
DEC Region:	2
Spill Cause:	Equipment Failure

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Spill Class:	B3
SWIS:	2401
Spill Date:	1995-01-25
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1995-01-25
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	1995-02-02
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1995-02-02
Spill Record Last Update:	2005-12-29
Spiller Name:	Not reported
Spiller Company:	NYC HOUISNG AUTHORITY
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"MECHANICAL FAILURE IN PUMP STATION-SPILLED INTO SUMP. BEING CLEANED BY WINSTON CONTRACTING."

All Materials:

Site ID:	298284
Operable Unit ID:	1011563
Operable Unit:	01
Material ID:	372899
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40.00
Units:	G
Recovered:	40.00
Oxygenate:	Not reported

Name:	SURFSIDE HOUSES -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0002408 / 2009-12-30
Facility ID:	0002408
Facility Type:	ER
DER Facility ID:	79598
Site ID:	86819
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	2401
Spill Date:	2000-05-26
Investigator:	jkkann
Referred To:	CONSOLIDATED WITH 9914650
Reported to Dept:	2000-05-26

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

CID:	281
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-26
Spill Record Last Update:	2009-12-30
Spiller Name:	MARIO MANDALONE
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	123 WILLIAM ST
Spiller Company:	001
Contact Name:	MARIO MANDALONE
DEC Memo:	"11/21/05: This spill transferred from J.Kolleeny to S.Kraszewski. 12/29/05: ISRP from 1997 specifies 6 borings and 3 MWs installed. Only 1 GW sample detected VOCs below AWQ. One soil boring detected TPHs at 1620 ppm. No site assessment performed dring excavation of old tank. - SK 01/30/06: This spill transferred from S.Kraszewaski to Q.Abidi. 04/03/06: This spill transferred from Q. Abidi to Koon Tang. 12/30/09: J.Kann - site reassigned to J.Kann and consolidated with 9914650"
Remarks:	"SOIL CONTAMINATION DISCOVERED DURING TANK REMOVAL. AREA TO BE EXCAVATED AND RETESTED. NO CALL BACK REQEUSTED."

All Materials:

Site ID:	86819
Operable Unit ID:	824325
Operable Unit:	01
Material ID:	550767
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	6.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SURFSIDE HOUSES -NYCHA
Address:	2940 WEST 31ST ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9914650 / 2018-05-25
Facility ID:	9914650
Facility Type:	ER
DER Facility ID:	79598
Site ID:	86820
DEC Region:	2
Spill Cause:	Other
Spill Class:	C4
SWIS:	2401
Spill Date:	2000-03-27
Investigator:	AAOBLIGA
Referred To:	RELATED TO TANK FAILURE? CONSOLIDATED WITH 0002408

SURFSIDE GARDENS (BLDG. #3) (Continued) **U001840678**

Reported to Dept:	2000-03-27
CID:	281
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-03-27
Spill Record Last Update:	2018-05-25
Spiller Name:	PHIL LAROSA
Spiller Company:	AL EASTMAN
Spiller Address:	444 TIFFANY ST
Spiller Company:	001
Contact Name:	MARIO MANDALONE
DEC Memo:	"11/21/05: This spill transferred from J.Kolleeny to S.Kraszewski. 01/30/06: This spill transferred from S.Kraszewaski to Q.Abidi. 04/03/06: This spill transferred from Q. Abidi to Koon Tang. 12/30/09: J.kann - site reassigned to J.Kann. Consolidated with 0002408 06/05/17: J.Kann - GSIP for investigation at this site was approved in 2016. As per NYCHA at May 31, 2017 meeting, contractor has been selected for this work and will start work in summer 2017. Spill reassigned to Andre Obligado. 5/25/18 - Obligado - I reviewed the Phase II report. All soil and groundwater results met clean up stands. Spill closed."
Remarks:	"ABOVE MATERIAL SPILLED AT ABOVE LOCATION DUE TO SEPAGE OF GROUND WATER. MATERIAL CONTAINED. AL EASTMAN HAS CONTACTED A SPILL REPONSE TEAM FOR CLEANUP. NO CALL BACK REQEUSTED."

All Materials:

Site ID:	86820
Operable Unit ID:	1089158
Operable Unit:	01
Material ID:	292944
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	1.00
Oxygenate:	Not reported

Site ID:	86820
Operable Unit ID:	1089158
Operable Unit:	01
Material ID:	292943
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

J42 **SURFSIDE GARDENS (BLDG. #3)** **NY AST** **A100364504**
SW **2940 WEST 31ST STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.014 mi.
76 ft. **Site 6 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

AST:

Name:	SURFSIDE GARDENS (BLDG. #3)
Address:	2940 WEST 31ST STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-474045
Program Type:	PBS
UTM X:	584825.11645
UTM Y:	4491993.59395
Expiration Date:	03/28/2024
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20876
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-02-28

Site Id:	20876
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR - REMEDIATION
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20876
Affiliation Type:	Facility Operator
Company Name:	SURFSIDE GARDENS (BLDG. #3)
Contact Type:	Not reported
Contact Name:	NYC HOUSING AUTHORITY

SURFSIDE GARDENS (BLDG. #3) (Continued) **A100364504**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20876
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-01-31

Tank Info:

Tank Number:	2
Tank Id:	246405
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	E00 - Piping Secondary Containment - None
	H00 - Tank Leak Detection - None
	F00 - Pipe External Protection - None
	J03 - Dispenser - Gravity
	C01 - Pipe Location - Aboveground
	A00 - Tank Internal Protection - None
	B01 - Tank External Protection - Painted/Asphalt Coating
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
	K00 - Spill Prevention - None
	I05 - Overfill - Vent Whistle
	L02 - Piping Leak Detection - Interstitial - Manual Monitoring
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/20/2012

SURFSIDE GARDENS (BLDG. #3) (Continued) **A100364504**

Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JSMACRI
Last Modified:	12/28/2018
Material Name:	#2 fuel oil (on-site consumption)

D43 **METROPOLITAN JEWISH GERIATRIC** **NY AST** **U003074369**
South **3023 WEST 29TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.015 mi.
79 ft. **Site 3 of 13 in cluster D**

Relative:
Higher

Actual:
3 ft.

AST:

Name:	METROPOLITAN JEWISH GERIATRIC
Address:	3023 WEST 29TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-189782
Program Type:	PBS
UTM X:	585084.76125
UTM Y:	4491799.50073
Expiration Date:	N/A
Site Type:	Other

Affiliation Records:

Site Id:	5818
Affiliation Type:	Facility Owner
Company Name:	METROPOLITAN JEWISH GERIATRIC CENTER
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	3023 WEST 29TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11224
Country Code:	001
Phone:	(718) 266-5700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	5818
Affiliation Type:	Mail Contact
Company Name:	SHOREFRONT JEWISH GERIATRIC CENTER
Contact Type:	Not reported
Contact Name:	ROBERT CLEMENS
Address1:	THE HARRY AND JEANETTE WEINBERG PAVILION
Address2:	3015 WEST 29TH STREET
City:	BROOKLYN
State:	NY
Zip Code:	11224

METROPOLITAN JEWISH GERIATRIC (Continued) **U003074369**

Country Code:	001
Phone:	(718) 266-5700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	5818
Affiliation Type:	Facility Operator
Company Name:	METROPOLITAN JEWISH GERIATRIC
Contact Type:	Not reported
Contact Name:	METROPOLITAN JEWISH GERIATRIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 266-5700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	5818
Affiliation Type:	Emergency Contact
Company Name:	METROPOLITAN JEWISH GERIATRIC CENTER
Contact Type:	Not reported
Contact Name:	METROPOLITAN JEWISH GERIATRIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 266-5700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	001
Tank Id:	6449
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel

METROPOLITAN JEWISH GERIATRIC (Continued) **U003074369**

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
Tank Location: Aboveground in subterranean vault with access for inspections.....
Tank in subterranean vault but accessible for inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 11/01/1991
Capacity Gallons: 14800
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 11/01/1991
Register: True
Modified By: TRANSLAT
Last Modified: 04/14/2017
Material Name: #2 fuel oil (on-site consumption)

Tank Number: 002
Tank Id: 6450
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
Tank Location: Aboveground in subterranean vault with access for inspections.....
Tank in subterranean vault but accessible for inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 5000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 02/01/1992
Register: True
Modified By: TRANSLAT
Last Modified: 04/14/2017
Material Name: #2 fuel oil (on-site consumption)

Tank Number: 003
Tank Id: 6451
Material Code: 0008
Common Name of Substance: Diesel

METROPOLITAN JEWISH GERIATRIC (Continued) **U003074369**

Equipment Records:
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
J02 - Dispenser - Suction Dispenser
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
A01 - Tank Internal Protection - Epoxy Liner
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	06/01/1993
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	diesel
Tank Number:	004
Tank Id:	43562
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
A01 - Tank Internal Protection - Epoxy Liner

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	06/01/1993
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017

METROPOLITAN JEWISH GERIATRIC (Continued) **U003074369**

Material Name: #2 fuel oil (on-site consumption)

I44 **CON EDISON SERVICE BOX: 53109** **RCRA NonGen / NLR** **1017778706**
SSW **3010 SURF AVE FRONT OF** **FINDS** **NYP004566501**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 2 of 11 in cluster I**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140716
Handler Name:	CON EDISON SERVICE BOX:	53109
Handler Address:		3010 SURF AVE FRONT OF
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004566501
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported

CON EDISON SERVICE BOX: 53109 (Continued) **1017778706**

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150211
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20140616
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140616
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

CON EDISON SERVICE BOX: 53109 (Continued) **1017778706**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140716
Handler Name: CON EDISON SERVICE BOX: 53109
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110063842711

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I45 **CON EDISON** **NY MANIFEST** **S117736770**
SSW **3010 SURF AVE FRONT OF** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 3 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:
Name: CON EDISON
Address: 3010 SURF AVE FRONT OF
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004566501
Facility Status: Not reported

CON EDISON (Continued) **S117736770**

Location Address 1:	W 33 ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004566501
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	06/16/2014
Trans1 Recv Date:	06/16/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/17/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004566501
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002502620GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON (Continued) **S117736770**

Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

I46 **CON EDISON** **NY MANIFEST** **S118090165**
SSW **3030 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 4 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	3030 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004777827
Facility Status:	Not reported
Location Address 1:	3030 SURF AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004777827
Mailing Name:	CON EDISON
Mailing Contact:	DENNIS HUACON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	05/01/2015

CON EDISON (Continued) **S118090165**

Trans1 Recv Date:	05/01/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/01/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004777827
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	014088495JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	3000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

I47 **CON EDISON** **NJ MANIFEST** **S120671351**
SSW **3030 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 5 of 11 in cluster I**

Relative: NJ MANIFEST:
Higher

EPA Id:	NYP004777827
Mail Address:	IRVING PLACE, 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THERESA BURKARD
Comments:	Not reported
SIC Code:	Not reported
County:	NY047

Actual:
3 ft.

CON EDISON (Continued) **S120671351**

Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014088495JJK
EPA ID:	NYP004777827
Date Shipped:	5/1/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

I48 **CON EDISON** **RCRA NonGen / NLR** **1019324923**
SSW **3030 SURF AVE** **NYP004777827**
< 1/8 **BROOKLYN, NY 11224**
0.016 mi.
82 ft. **Site 6 of 11 in cluster I**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150501
Handler Name:	CON EDISON	
Handler Address:		3030 SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004777827
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CON EDISON (Continued) **1019324923**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160909
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20150501
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private

CON EDISON (Continued) **1019324923**

Date Became Current: 20150501
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20160205
Handler Name: CON EDISON - CUSTOMER MANHOLE 1
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150501
Handler Name: CON EDISON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150501
Handler Name: CON EDISON
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

CON EDISON (Continued) **1019324923**

Evaluation Action Summary:
Evaluations: No Evaluations Found

I49 **NYCHA - CONEY ISLAND HOUSES** **RCRA NonGen / NLR** **1001493615**
South **3002 SURF AVE** **FINDS** **NYR000075069**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.016 mi.
83 ft. **Site 7 of 11 in cluster I**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - CONEY ISLAND HOUSES	
Handler Address:		3002 SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-2516
EPA ID:		NYR000075069
Contact Name:		FRANK OCELLO
Contact Address:		BROADWAY
Contact City,State,Zip:		NEW YORK, NY 10007-2516
Contact Telephone:		212-306-3229
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007-2516
Owner Name:	NYCHA	
Owner Type:		Municipal
Operator Name:	NYCHA	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493615**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493615**

Owner/Operator Name: NYCHA
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007-2516
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYCHA
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007-2516
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990812
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493615**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004555366

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001493615
Registry ID: 110004555366
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004555366
Name: NYCHA - CONEY ISLAND HOUSES
Address: 3002 SURF AVE
City,State,Zip: BROOKLYN, NY 11224

I50 **CONEY ISLAND HOUSES (SURFSIDE HOUSES)** **NY LTANKS** **U000418221**
SSW **3020 SURF AVENUE** **NY UST** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY AST**
0.016 mi. **NY Spills**
83 ft. **Site 8 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

LTANKS:
Name: CONEY ISLAND HOUSES -NYCHA
Address: 3020 SURF AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9803121 / 2005-10-19
Facility ID: 9803121
Site ID: 327261
Spill Date: 1998-06-10
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: E6

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	SWKRASZE
Referred To:	Not reported
Reported to Dept:	1998-06-10
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-06-10
Spill Record Last Update:	2005-10-19
Spiller Name:	FRANK OCELLO
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	250 BROADWAY
Spiller County:	001
Spiller Contact:	FRANK OCELLO
Spiller Phone:	(212) 306-3229
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	263429
DEC Memo:	"10/19/05: This spill closed to consolidate with open spill #0210144. S.Kraszewski"
Remarks:	"WILL ISOLATE AND RE-TEST."

All TTF:

Facility ID:	9803121
Spill Number:	9803121
Spill Tank Test:	1545974
Site ID:	327261
Tank Number:	1
Tank Size:	25000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	327261
Operable Unit ID:	1063933
Operable Unit:	01
Material ID:	321444
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Units: G
Recovered: .00
Oxygenate: Not reported

UST:
Name: CONEY ISLAND HOUSES (SURFSIDE HOUSES)
Address: 3020 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Id/Status: 2-473901 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 584964.14765
UTM Y: 4491783.50429
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20863
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE, 5TH FLOOR
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2017-06-14

Site Id: 20863
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: 5TH FLOOR - TSD-FUEL OIL REMEDIATION
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: YELENA.TKACH@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2017-06-14

Site Id: 20863
Affiliation Type: Facility Operator
Company Name: CONEY ISLAND HOUSES (SURFSIDE HOUSES)
Contact Type: Not reported

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-14

Site Id:	20863
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2014-01-30

Tank Info:

Tank Number:	1
Tank ID:	66965
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	20000
Install Date:	09/01/2003
Date Tank Closed:	05/05/2017
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	06/14/2017

Equipment Records:

C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
F05 - Pipe External Protection - Jacketed

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double walled UG
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
B05 - Tank External Protection - Jacketed
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number: OLD 1
Tank ID: 37552
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 25000
Install Date: 01/01/1957
Date Tank Closed: 07/01/2002
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

AST:
Name: CONEY ISLAND HOUSES (SURFSIDE HOUSES)
Address: 3020 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-473901
Program Type: PBS
UTM X: 584964.14765
UTM Y: 4491783.50429
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20863
Affiliation Type: Facility Owner

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE, 5TH FLOOR
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-14

Site Id:	20863
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR - TSD-FUEL OIL REMEDIATION
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-14

Site Id:	20863
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND HOUSES (SURFSIDE HOUSES)
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-14

Site Id:	20863
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2014-01-30

Tank Info:

Tank Number:	T-1
Tank Id:	60323
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	C01 - Pipe Location - Aboveground
	I04 - Overfill - Product Level Gauge (A/G)
	H00 - Tank Leak Detection - None
	J02 - Dispenser - Suction Dispenser
	B00 - Tank External Protection - None
	F00 - Pipe External Protection - None
	G01 - Tank Secondary Containment - Diking (Aboveground)
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	I03 - Overfill - Automatic Shut-Off
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	03/01/2000
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	06/01/2002
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

SPILLS:

Name:	CONEY ISLAND HOUSES -NYCHA
Address:	3020 SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0210144 / 2015-06-01
Facility ID:	0210144
Facility Type:	ER
DER Facility ID:	263429
Site ID:	327260
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C5
SWIS:	2401

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Spill Date:	2003-01-08
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	2003-01-08
CID:	205
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-01-08
Spill Record Last Update:	2015-06-01
Spiller Name:	CALLER
Spiller Company:	CONEY ISLAND HOUSES
Spiller Address:	3020 SURF AVE
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BREEN 01/12/06: This spill transferred from Breen to S.Kraszewski. This site has only one TTF from 1998. Documentation on file mentions the need for a dewatering system but it is not said that GW was encountered during excavation. Therefore I must presume that the GW has been impacted but not quantified. One document contains analysis of wastewater from the dewatering system, no petroleum effluent detected. Site assessment performed on May 14, 2003 with J.Kolleeny attending the work. A total of 5 soil borings taken including one at the fill port. Tank had not been removed yet. Only one boring registered a PID reading, but very low - 5.9 No site assessment repor on file. Call NYCHA and ask about the report. Tank was replaced in Fall of 2003. - SK 01/27/06: This spill transferred from S.Kraszewaski to Q.Abidi. 03/31/06: This spill trasferred from Q. Abidi to Koon Tang. 6/11/09: JKann - Spill transfered to J.Kann. Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 6/10/10: J.Kann - comments sent on the work plan via email (edoced). Revised plan due 7/10/10. 12/30/14: J.Kann - multi site stip. SIR due 4/14/15 6/1/15: J.Kann - SIR submitted on 5/20/15. Soils collected and analyzed were below CP-51 RSCOs. Three monitoring wells were installed and minor VOC exceedences were noted in one well (less than 100 ppb total VOCs) A second round of sampling was performed in May 2015 with concentrations of less than 10 ppb total VOCs in the same well. The other wells were non detect. The site is located in Coney Island less than a block from the ocean. Based on the minimal impacts, the decrease in concentrations, the proximity to the ocean and the fact that the original tank from which the suspected leak occurred has been removed and replaced, the spill has been closed. NFA"
Remarks:	"pulling tank. encountered contaminated soil."

All Materials:

Site ID:	327260
Operable Unit ID:	863354
Operable Unit:	01
Material ID:	513541
Material Code:	0001A

CONEY ISLAND HOUSES (SURFSIDE HOUSES) (Continued) **U000418221**

Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A51 **INTERSECTION 129TH ST AND MERMAID** **NY Spills** **S110044073**
SSW **INTERSECTION 129TH ST AND MERMAID** **N/A**
< 1/8 **BROOKLYN, NY**
0.016 mi.
85 ft. **Site 18 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	INTERSECTION 129TH ST AND MERMAID
Address:	INTERSECTION 129TH ST AND MERMAID
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0907964 / 2009-11-30
Facility ID:	0907964
Facility Type:	ER
DER Facility ID:	369561
Site ID:	420534
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2009-10-15
Investigator:	Con Ed Unassigned
Referred To:	Not reported
Reported to Dept:	2009-10-15
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-10-15
Spill Record Last Update:	2009-11-30
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"11/30/09 - See eDocs for Con Ed report detailing cleanup and closure. 1 gal of oil on 200 gal of water."
Remarks:	"unknown material on water. Sump involved. Clean up pending. ref # 218 829"

All Materials:

Site ID:	420534
Operable Unit ID:	1176487
Operable Unit:	01

INTERSECTION 129TH ST AND MERMAID (Continued) **S110044073**

Material ID:	2169178
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

A52 **MANHOLE 36339** **NY Spills** **S105236781**
SSW **MERMAID AVE & WEST 29TH S** **N/A**
< 1/8 **BROOKLYN, NY**
0.016 mi.
86 ft. **Site 19 of 24 in cluster A**

Relative: **Higher**
Actual: **3 ft.**

SPILLS:

Name:	MANHOLE 36339
Address:	MERMAID AVE & WEST 29TH S
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0109426 / 2002-01-02
Facility ID:	0109426
Facility Type:	ER
DER Facility ID:	240771
Site ID:	297587
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-12-24
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2001-12-25
CID:	195
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-25
Spill Record Last Update:	2002-01-02
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	RICHARD ROACH
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY Con Ed e2mis #140688 Notes: 12-24-01 0910hrs 1 pint unknown oil on 700gal water in manhole 36339. One sample taken. 12-24-01 1633hrs LSN 00-12155-001 <1ppm PCB 12-25-01 1100hrs Cleanup completed. Double washed structure with bio-gen 760. No sump found. Liquids removed by tanker, solids by vactor. No leaking equipment."
Remarks:	"1 PINT OF OIL ON 700 GALLONS OF WATER IN MANHOLE. CONTAINED TO

MANHOLE 36339 (Continued) **S105236781**

MANHOLE. CON EDISON SPILL #140688. WORK CANNOT BE COMPLETED WITHIN 24 TIME PERIOD."

All Materials:

Site ID:	297587
Operable Unit ID:	846724
Operable Unit:	01
Material ID:	530633
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

A53 **MANHOLE 71777** **NY Spills** **S105235591**
SSW **W 29TH ST & MERMAID AV** **N/A**
< 1/8 **BROOKLYN, NY**
0.016 mi.
86 ft. **Site 20 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	MANHOLE 71777
Address:	W 29TH ST & MERMAID AV
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0107446 / 2001-12-28
Facility ID:	0107446
Facility Type:	ER
DER Facility ID:	192978
Site ID:	234253
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-10-19
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	2001-10-20
CID:	365
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-10-20
Spill Record Last Update:	2001-12-31
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported

MANHOLE 71777 (Continued) **S105235591**

DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL e2mis notes: 1 qt unknown oil on approx 400 gals water. 1 liquid sample taken. 1905 hrs: lab results <1 ppm PCB. 10/20/01 1200 hrs: structure double washed. Sump was found sealed. Hole is making water fast. (JHO)"

Remarks: "1 QUART OF UNK OIL ON 400 GALLONS OF WATER - CLEAN UP PENDING REMOVAL OF A VEH THAT IS OVER THE MANHOLE - OWNERS OF VEH IN WESTCHESTER FOR THE WEEKEND - REF #139843"

All Materials:

Site ID:	234253
Operable Unit ID:	844518
Operable Unit:	01
Material ID:	532262
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

G54 **NYCDEP** **RCRA NonGen / NLR** **1014395503**
ESE **2927 W 27TH ST** **NJ MANIFEST** **NYP003664018**
< 1/8 **BROOKLYN, NY 11224** **NY MANIFEST**
0.017 mi.
89 ft. **Site 2 of 2 in cluster G**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20080523
Handler Name:	NYCDEP	
Handler Address:		2927 W 27TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP003664018
Contact Name:		JOANNE NURSE
Contact Address:		JUNCTION BLVD
Contact City,State,Zip:		FLUSHING, NY 11373
Contact Telephone:		718-595-4675
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		PAA
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		JUNCTION BLVD
Mailing City,State,Zip:		FLUSHING, NY 11373
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported

NYCDEP (Continued) **1014395503**

Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211027
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

NYCDEP (Continued) **1014395503**

Historic Generators:
- Receive Date: 20080523
- Handler Name: NYCDEP
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: NY
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: Not reported
- Recognized Trader Exporter: Not reported
- Spent Lead Acid Battery Importer: Not reported
- Spent Lead Acid Battery Exporter: Not reported
- Current Record: Yes
- Non Storage Recycler Activity: No
- Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
- NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

NJ MANIFEST:
- EPA Id: NYP003664018
- Mail Address: JUNCTION BLVD
- Mail City/State/Zip: FLUSHING, NY 11373
- Facility Phone: Not reported
- Emergency Phone: Not reported
- Contact: JOANNE NURSE
- Comments: Not reported
- SIC Code: Not reported
- County: NY047
- Municipal: Not reported
- Previous EPA Id: Not reported
- Gen Flag: Not reported
- Trans Flag: Not reported
- TSDF Flag: Not reported
- Name Change: Not reported
- Date Change: Not reported

Manifest:
- Manifest Number: 004072273JJK
- EPA ID: NYP003664018
- Date Shipped: 05/19/2008
- TSDF EPA ID: NJD980536593
- Transporter EPA ID: NYD064748304
- Transporter 2 EPA ID: NJD080631369
- Transporter 3 EPA ID: Not reported
- Transporter 4 EPA ID: Not reported
- Transporter 5 EPA ID: Not reported
- Transporter 6 EPA ID: Not reported
- Transporter 7 EPA ID: Not reported
- Transporter 8 EPA ID: Not reported

NYCDEP (Continued) **1014395503**

Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/19/2008
Date Trans2 Transported Waste:	05/23/2008
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/23/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	FLUSHING, NY 11373
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	5 P

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	10 P

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	15 P

Manifest Number:	004072274JJK
EPA ID:	NYP003664018
Date Shipped:	05/19/2008
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NYD064748304
Transporter 2 EPA ID:	NJD080631369
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

NYCDEP (Continued) **1014395503**

Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/19/2008
Date Trans2 Transported Waste:	05/23/2008
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/23/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	FLUSHING, NY 11373
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	10 P

NY MANIFEST:

Name:	NYC DEPT. OF ENVIRONMENTAL
Address:	2927 W 27TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP003664018
Facility Status:	Not reported
Location Address 1:	2927 WEST 27TH STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP003664018
Mailing Name:	NYC DEPT. OF ENVIRONMENTAL
Mailing Contact:	NYC DEPT. OF ENVIRONMENTAL

NYCDEP (Continued) **1014395503**

Mailing Address 1:	96-05 HORACE HARDING EXPRESSWAY 1ST
Mailing Address 2:	Not reported
Mailing City:	CORONA
Mailing State:	NY
Mailing Zip:	11368
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	6467630275

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NYD064748304
Trans2 State ID:	NJD080631369
Generator Ship Date:	05/19/2008
Trans1 Recv Date:	05/19/2008
Trans2 Recv Date:	05/23/2008
TSD Site Recv Date:	05/23/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP003664018
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD980536593
TSDF ID 2:	Not reported
Manifest Tracking Number:	004072273JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D002
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

J55 **NYCHA - CONEY ISLAND SITES 4 & 5** **RCRA-SQG** **1024892297**
SSW **3110 SURF AVE** **NYR000238964**
< 1/8 **BROOKLYN, NY 11224**
0.018 mi.
97 ft. **Site 7 of 8 in cluster J**

Relative: **Higher**
Actual: **4 ft.**

RCRA-SQG:

Date Form Received by Agency:		20181108
Handler Name:	NYCHA - CONEY ISLAND SITES 4 & 5	
Handler Address:		3110 SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000238964
Contact Name:		PETER WHITLEY
Contact Address:		SURF AVE
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		718-449-2936
Contact Fax:		Not reported
Contact Email:		PETERWHITLEY@NYCHA.NYC.GOV
Contact Title:		PROPERTY MAINTENANCE SUPERVISOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		SURF AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	ROBERT MALLAMO	
Owner Type:		Municipal
Operator Name:	PETER WHITLEY	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

NYCHA - CONEY ISLAND SITES 4 & 5 (Continued) **1024892297**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181108
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROBERT MALLAMO	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101
Owner/Operator Telephone:	718-702-5298
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERTMALLAMO@NYCHA.NYC.GOV

Owner/Operator Indicator:	Operator
Owner/Operator Name: PETER WHITLEY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3110 SURF AVE
Owner/Operator City,State,Zip:	BROOKLYN, NY 11224

NYCHA - CONEY ISLAND SITES 4 & 5 (Continued) **1024892297**

Owner/Operator Telephone: 718-449-2936
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: PETERWHITLEY@NYCHA.NYC.GOV

Historic Generators:
Receive Date: 20181108
Handler Name: NYCHA - CONEY ISLAND SITES 4 & 5
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 92511
NAICS Description: ADMINISTRATION OF HOUSING PROGRAMS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J56 **NYCHA - CONEY ISLAND SITE 1B** **RCRA-VSQG** **1024892310**
SSW **3110 SURF AVE** **NYR000239095**
< 1/8 **BROOKLYN, NY 11224**
0.018 mi.
97 ft. **Site 8 of 8 in cluster J**

Relative:
Higher

Actual:
4 ft.

RCRA-VSQG:
Date Form Received by Agency: 20181101
Handler Name: NYCHA - CONEY ISLAND SITE 1B
Handler Address: 3110 SURF AVE
Handler City,State,Zip: BROOKLYN, NY 11224
EPA ID: NYR000239095
Contact Name: NYMIAH BRANCH
Contact Address: SURF AVE
Contact City,State,Zip: BROOKLYN, NY 11224
Contact Telephone: 718-372-4100
Contact Fax: Not reported
Contact Email: NYMIAHBRANCH@NYCHA.NYC.GOV
Contact Title: PROPERTY MAINTENANCE SUPERVISOR
EPA Region: 02
Land Type: Municipal
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

NYCHA - CONEY ISLAND SITE 1B (Continued) **1024892310**

State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		SURF AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	ROBERT MALLAMO	
Owner Type:		Municipal
Operator Name:	NYMIAH BRANCH	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20181113
Recognized Trader-Importer:		No

NYCHA - CONEY ISLAND SITE 1B (Continued) **1024892310**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYMIAH BRANCH	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3110 SURF AVE
Owner/Operator City,State,Zip:	BROOKLYN, NY 11224
Owner/Operator Telephone:	718-372-4100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROBERT MALLAMO	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	BRONX, NY 10473
Owner/Operator Telephone:	718-702-5298
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERTMALLAMO@NYCHA.NYC.GOV

Historic Generators:

Receive Date:	20181101
Handler Name:	NYCHA - CONEY ISLAND SITE 1B
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	92511
NAICS Description:	ADMINISTRATION OF HOUSING PROGRAMS

NYCHA - CONEY ISLAND SITE 1B (Continued) **1024892310**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F57 **IFO (SERVICE BOX #36343)** **NY Spills** **S113818435**
East **2715 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.019 mi.
101 ft. **Site 4 of 4 in cluster F**

Relative:
Lower

Actual:
1 ft.

SPILLS:

Name:	IFO (SERVICE BOX #36343)
Address:	2715 MERMAID AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1303323 / 2013-08-14
Facility ID:	1303323
Facility Type:	ER
DER Facility ID:	438990
Site ID:	483797
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2013-06-27
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2013-06-27
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2013-06-27
Spill Record Last Update:	2013-08-14
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"8/14/13 - Austin - 10 gals of unk. oil found atop 10 gals water in Con Ed vault - Con Ed contained and cleaned up the spill - See eDocs files for further information - Spill closed - end"
Remarks:	"cleanup pending"

All Materials:

Site ID:	483797
Operable Unit ID:	1233497
Operable Unit:	01
Material ID:	2232402

IFO (SERVICE BOX #36343) (Continued) **S113818435**

Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	25.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

I58 **LOT 54,TAXBLOCK 7051** **NY E DESIGNATION** **S109695597**
South **2919 SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.020 mi.
103 ft. **Site 9 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 54,TAXBLOCK 7051
Address:	2919 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Tax Lot(s):	54
Tax Block:	7051
Borough Code:	BK
E-No:	E-226
Effective Date:	5/22/2009
Satisfaction Date:	Not reported
Ceqr Number:	09HPD021K
Ulurp Number:	090250ZMK090250ZMK
Zoning Map No:	28d
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

A59 **CON EDISON - VAULT SUBMERSIBLE VS5234** **RCRA-LQG** **1024891581**
SSW **2900 MERMAID AVE** **NYP005124706**
< 1/8 **BROOKLYN, NY 11224**
0.020 mi.
108 ft. **Site 21 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

RCRA-LQG:

Date Form Received by Agency:	20180410
Handler Name:	CON EDISON - VAULT SUBMERSIBLE VS5234
Handler Address:	2900 MERMAID AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP005124706
Contact Name:	ALYSSA SOTTO
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	Not reported
Contact Email:	SOTTOA@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02

CON EDISON - VAULT SUBMERSIBLE VS5234 (Continued) **1024891581**

Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

CON EDISON - VAULT SUBMERSIBLE VS5234 (Continued) **1024891581**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20180102
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	212-460-2757
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20180102
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	212-460-2757
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180410
Handler Name:	CON EDISON - VAULT SUBMERSIBLE VS5234
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

CON EDISON - VAULT SUBMERSIBLE VS5234 (Continued) **1024891581**

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A60 **LOT 4,TAXBLOCK 7064** **NY E DESIGNATION** **S109942552**
SSW **2900 MERMAID AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.020 mi.
108 ft. **Site 22 of 24 in cluster A**

Relative: Higher
Actual: 3 ft.

E DESIGNATION:
Name: LOT 4,TAXBLOCK 7064
Address: 2900 MERMAID AVENUE
City,State,Zip: BROOKLYN, NY 11224
Tax Lot(s): 4
Tax Block: 7064
Borough Code: BK
E-No: E-229
Effective Date: 7/29/2009
Satisfaction Date: Not reported
Ceqr Number: 08DME007K
Ulurp Number: 090272ZMK090272ZMK
Zoning Map No: 28d

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

A61 **VAULT ZS5234** **NY Spills** **S119028671**
SSW **2900 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.020 mi.
108 ft. **Site 23 of 24 in cluster A**

Relative: Higher
Actual: 3 ft.

SPILLS:
Name: VAULT ZS5234
Address: 2900 MERMAID AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 1608681 / 2017-10-03
Facility ID: 1608681
Facility Type: ER
DER Facility ID: 491292
Site ID: 537411
DEC Region: 2
Spill Cause: Equipment Failure
Spill Class: D4

VAULT ZS5234 (Continued) **S119028671**

SWIS:	2401
Spill Date:	2016-12-11
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2016-12-11
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Transformer
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2016-12-11
Spill Record Last Update:	2017-10-03
Spiller Name:	TIM REAGAN
Spiller Company:	CON ED
Spiller Address:	2900 MERMAID AVE
Spiller Company:	999
Contact Name:	TIM REAGAN
DEC Memo:	"10/3/17 - Austin - While conducting a transformer replacement, Con Ed found 5 oz oil atop 500 gals water in vault - Con Ed removed the transformer and contained and cleaned up the spill; no oil seen after cleaning - See document files for further information - Spill closed - end"
Remarks:	"Vault makes water. Spill to the water. Clean up pending."

All Materials:

Site ID:	537411
Operable Unit ID:	1286047
Operable Unit:	01
Material ID:	2291631
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.25
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

A62 **CON EDISON** **NY MANIFEST** **S121968511**
SSW **2900 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.020 mi.
108 ft. **Site 24 of 24 in cluster A**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	2900 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP005124706
Facility Status:	Not reported
Location Address 1:	2900 MERMAID AVE

CON EDISON (Continued) **S121968511**

Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP005124706
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

D63 **CON EDISON - MH 71778** **RCRA NonGen / NLR** **1008195620**
South **W. 29TH ST. & SURF AVE.** **NY MANIFEST** **NYP004110649**
< 1/8 **BROOKLYN, NY 11234**
0.021 mi.
110 ft. **Site 4 of 13 in cluster D**

Relative: **Higher**
Actual: **4 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20040227
Handler Name:	CON EDISON - MH 71778	
Handler Address:		W. 29TH ST. & SURF AVE.
Handler City,State,Zip:		BROOKLYN, NY 11234
EPA ID:		NYP004110649
Contact Name:		ANTHONY DRUMMINGS
Contact Address:		4 IRVING PLACE
Contact City,State,Zip:		NEW YORK, NY 10003
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		4 IRVING PLACE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.	
Owner Type:		Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No

CON EDISON - MH 71778 (Continued) **1008195620**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years

Year:	2003

CON EDISON - MH 71778 (Continued) **1008195620**

Click Here for Biennial Reporting System Data:

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030504
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030504
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030504
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030504
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20040225
Handler Name: CON EDISON - MH 71778
Federal Waste Generator Description: Large Quantity Generator

CON EDISON - MH 71778 (Continued) **1008195620**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040226
Handler Name: CON EDISON - MH 71778
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040227
Handler Name: CON EDISON - MH 71778
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CONSOLIDATED EDISON
Address: W. 29TH ST. & SURF AVE.
City,State,Zip: BROOKLYN, NY 11234
Country: USA
EPA ID: NYP004110649
Facility Status: Not reported
Location Address 1: MH71776-W 29TH ST & SURF AVE

CON EDISON - MH 71778 (Continued) **1008195620**

Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004110649
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address 1: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124602808

D64 **CON EDISON MANHOLE: 74433** **RCRA NonGen / NLR** **1016149329**
South **W 29TH ST & SURF AVE** **NY MANIFEST** **NYP004279923**
< 1/8 **BROOKLYN, NY 11229**
0.023 mi.
119 ft. **Site 5 of 13 in cluster D**

Relative: **Higher**
Actual: **4 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20170728
Handler Name: CON EDISON MANHOLE: 74433
Handler Address: W 29TH ST & SURF AVE
Handler City,State,Zip: BROOKLYN, NY 11229
EPA ID: NYP004279923
Contact Name: T'ARRI SOWELL
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: 718-666-4506
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: OPERATING SUPERVISOR
EPA Region: 02
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: NY
State District: NYSDEC R2
Mailing Address: IRVING PL, RM 828
Mailing City,State,Zip: NEW YORK, NY 10003
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No

CON EDISON MANHOLE: 74433 (Continued) **1016149329**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171128
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20121207

CON EDISON MANHOLE: 74433 (Continued) **1016149329**

Handler Name: CON EDISON MANHOLE: 74433
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20170728
Handler Name: CON EDISON MANHOLE: 74433
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: W 29TH ST & SURF AVE
City,State,Zip: BROOKLYN, NY 11229
Country: USA
EPA ID: NYP004279923
Facility Status: Not reported
Location Address 1: 3017 W 29TH ST
Code: BP
Location Address 2: MH # 74433
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004279923
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL 15TH FL

CON EDISON MANHOLE: 74433 (Continued) **1016149329**

Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	12/07/2012
Trans1 Recv Date:	12/07/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/10/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004279923
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001675184GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

B65 **2730 SURF AVE** **NY Spills** **S112807128**
SSE **2730 SURF AVE** **N/A**
< 1/8 **CONEY ISLAND, NY 11224**
0.023 mi.
122 ft. **Site 4 of 5 in cluster B**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	2730 SURF AVE
Address:	2730 SURF AVE
City,State,Zip:	CONEY ISLAND, NY 11224
Spill Number/Closed Date:	1211889 / 2013-03-27
Facility ID:	1211889
Facility Type:	ER
DER Facility ID:	430308
Site ID:	475030
DEC Region:	2
Spill Cause:	Storm
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2012-10-29
Investigator:	Hurricane Sandy R2
Referred To:	Not reported
Reported to Dept:	2012-11-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	Not reported
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	Not reported
Remediation Phase:	Not reported
Date Entered In Computer:	2012-11-20
Spill Record Last Update:	2012-11-20
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	Not reported
DEC Memo:	"This spill report was created for tracking purposes related to the Department’s Hurricane Sandy emergency response efforts. pumped out 11/12/2012 by JRG Transport. 956 gallons removed. Bob Uasis"
Remarks:	""

All Materials:

Site ID:	475030
Operable Unit ID:	1224868
Operable Unit:	01
Material ID:	2228858
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	956.00
Oxygenate:	Not reported

B66 **2730 SURF AVE** **NY SPILLS 90** **S112394624**
SSE **2730 SURF AVE** **N/A**
< 1/8 **CONEY ISLAND, NY 11224**
0.023 mi.
122 ft. **Site 5 of 5 in cluster B**

Relative:
Higher

Actual:
3 ft.

Spills:

Status:	ACTIVE
Contact Name:	Not reported
Contact Phone:	Not reported
Site ID:	1211889
Secondary ID:	475030
Cross Street:	Not reported
County:	KINGS
Longitude:	0
Latitude:	0
Elevation:	Not reported

C67 **SURF PLAYGROUND** **NY UST** **U004341957**
SE **2501 SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.026 mi.
135 ft. **Site 3 of 4 in cluster C**

Relative:
Higher

Actual:
3 ft.

UST:

Name:	SURF PLAYGROUND
Address:	2501 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-613252 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	Not reported
UTM Y:	Not reported
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	619780
Affiliation Type:	Facility Owner
Company Name:	NYC DEPARTMENT OF PARKS & RECREATION
Contact Type:	DEP. CHIEF
Contact Name:	BRIAN AUCOIN
Address1:	830 FIFTH AVE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 400-8916
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2021-11-16

Site Id:	619780
Affiliation Type:	Facility Operator
Company Name:	SURF PLAYGROUND
Contact Type:	Not reported
Contact Name:	NYC PARKS & RECREATION

SURF PLAYGROUND (Continued) **U004341957**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2021-06-04

Site Id:	619780
Affiliation Type:	Emergency Contact
Company Name:	NYC DEPARTMENT OF PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	BRIAN AUCOIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 410-8916
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2021-11-16

Site Id:	619780
Affiliation Type:	Mail Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	BRIAN AUCOIN
Address1:	20 BRONX SHORE RD.
Address2:	RANDALLS ISLAND
City:	NEW YORK
State:	NY
Zip Code:	10035
Country Code:	001
Phone:	(212) 410-8916
EMail:	BRIAN.AUCOIN@PARKS.NYC.GOV
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2021-11-16

Tank Info:

Tank Number:	001
Tank ID:	290084
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	06/02/1971
Date Tank Closed:	08/27/2021
Registered:	True
Tank Location:	Underground

SURF PLAYGROUND (Continued) **U004341957**

Tank Type: Steel/carbon steel
Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXLIU
Last Modified: 11/16/2021

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None

C68 **NYC PARKS** **NY Spills** **S127585384**
SE **2501 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.026 mi.
135 ft. **Site 4 of 4 in cluster C**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name: NYC PARKS
Address: 2501 SURF AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 2102270 / 2021-09-08
Facility ID: 2102270
Facility Type: ER
DER Facility ID: 567545
Site ID: 620012
DEC Region: 2
Spill Cause: Equipment Failure
Spill Class: D4
SWIS: 2401
Spill Date: 2021-06-09
Investigator: RMPIPER
Referred To: Not reported
Reported to Dept: 2021-06-09
CID: Not reported
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Tank Tester
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: Not reported
Remediation Phase: 0
Date Entered In Computer: 2021-06-09
Spill Record Last Update: 2021-09-08
Spiller Name: Not reported

NYC PARKS (Continued) **S127585384**

Spiller Company: NYC Parks
Spiller Address: 2501 Surf Ave
Spiller Company: 999
Contact Name: DENNIS MEYER
DEC Memo: "Assigned to DEC Piper. Samples to be received in 1 week. DEC Piper received and reviewed closure package. Tank was pumped out and removed. soil was over excavated. Endpoints revealed minor hits for VOCs and SVOCs. Based on work to date ,this spill is closed. See report in DEC Docs if warranted."
Remarks: "420 gal of product removed. Upon inspection after cleaning, holes found in bottom of tank. Unk amount lost to soil. 2 Endpoint samples collected."

All Materials:
Site ID: 620012
Operable Unit ID: 1367193
Operable Unit: 01
Material ID: 2379940
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

D69 **CON EDISON - MANHOLE 74433** **RCRA-LQG 1016149966**
South **3028 W 29TH ST** **NY MANIFEST NYP004286340**
< 1/8 **BROOKLYN, NY 11224**
0.027 mi.
144 ft. **Site 6 of 13 in cluster D**

Relative: **Higher**
Actual: **3 ft.**

RCRA-LQG:
Date Form Received by Agency: 20140327
Handler Name: CON EDISON - MANHOLE 74433
Handler Address: 3028 W 29TH ST
Handler City,State,Zip: BROOKLYN, NY 11224
EPA ID: NYP004286340
Contact Name: DENNIS HUACON
Contact Address: IRVING PL 15TH FL NE
Contact City,State,Zip: NEW YORK, NY 10003
Contact Telephone: 212-460-2757
Contact Fax: 518-473-8034
Contact Email: HUACOND@CONED.COM
Contact Title: ASSOCIATE SCIENTIST
EPA Region: 02
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2013
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: NY
State District: NYSDEC R2
Mailing Address: IRVING PL 15TH FL NE
Mailing City,State,Zip: NEW YORK, NY 10003

CON EDISON - MANHOLE 74433 (Continued) **1016149966**

Owner Name:	CONSOLIDATED EDISON CO OF NY INC
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON CO OF NY INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported

CON EDISON - MANHOLE 74433 (Continued) **1016149966**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON CO OF NY INC
Legal Status: Private
Date Became Current: 20130130
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PL
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON CO OF NY INC
Legal Status: Private
Date Became Current: 20130130
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PL
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 74433
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130130
Handler Name: CON EDISON MANHOLE: 74433
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY

CON EDISON - MANHOLE 74433 (Continued) **1016149966**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	3028 W 29TH ST & SURF AVE FRON
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004286340
Facility Status:	Not reported
Location Address 1:	F/O 3028 W 29TH ST & SURF AVE
Code:	BP
Location Address 2:	MH 74433
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004286340
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047

CON EDISON - MANHOLE 74433 (Continued) **1016149966**

Trans2 State ID:	Not reported
Generator Ship Date:	01/30/2013
Trans1 Recv Date:	01/30/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/30/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004286340
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001675274GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2000
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

D70 **CON EDISON - MANHOLE 74433** **RCRA-LQG** **1016959842**
South **3028 WEST 29TH ST** **NY MANIFEST** **NYP004286563**
< 1/8 **BROOKLYN, NY 11224**
0.027 mi.
144 ft. **Site 7 of 13 in cluster D**

Relative: RCRA-LQG:
Higher

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 74433
Handler Address:	3028 WEST 29TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004286563
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE

Actual:
3 ft.

CON EDISON - MANHOLE 74433 (Continued) **1016959842**

Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

CON EDISON - MANHOLE 74433 (Continued) **1016959842**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130131
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130131
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:
Receive Date: 20140327

CON EDISON - MANHOLE 74433 (Continued) **1016959842**

Handler Name: CON EDISON - MANHOLE 74433
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: 3028 WEST 29TH ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004286563
Facility Status: Not reported
Location Address 1: FO 3028 W 29TH ST & SURFACE
Code: BP
Location Address 2: MH 74433
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004286563
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL 15TH FL
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported

CON EDISON - MANHOLE 74433 (Continued) **1016959842**

seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	01/31/2013
Trans1 Recv Date:	01/31/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/31/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004286563
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002016004GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

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71 **TRANSFORMER 4364** **NY Spills** **S106003688**
SSW **WEST 31ST ST/SURF AND MUR** **N/A**
< 1/8 **BROOKLYN, NY**
0.028 mi.
148 ft.

Relative: SPILLS:
Higher

Actual: Name:	TRANSFORMER 4364
3 ft. Address:	WEST 31ST ST/SURF AND MUR
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0201745 / 2002-06-07

TRANSFORMER 4364 (Continued) **S106003688**

Facility ID:	0201745
Facility Type:	ER
DER Facility ID:	138426
Site ID:	164168
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	2401
Spill Date:	2002-05-17
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2002-05-17
CID:	396
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-05-17
Spill Record Last Update:	2002-09-18
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	KEVIN MCARDLE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY DEC Inspector Notes: W 31st St between Surf and Mermaid Aves., Coney Island. Ron James notified Foley of transformer fire which went to two cars and a tree. Foley responded. ERTs David Duke and Mike Daughtrey on site. White hat is Nick Caputo, section manager for B/Q Emergency Dept. DEP Stanley Baldwin and Elie St. Jean also on site. Electric Ops EH&S Ron James, Steve Stathis, Tino Feranandez and Keith Barouch. Upon arrival, Con Edison was in the process of double washing the street and two affected cars. Con Ed removed 65gal oily water from street and dried with speedy-dry. Two cars were wrapped and taken to Astoria by Apple Towing. Overhead Dept. cut down tree and put the debris on the contaminated grass area until dumpster was delivered. No oil was found on building. Approx 1 oz. oil got into catch basin due to the FDNY unable to shut off hydrant. DEP responded to shut off hydrant. Con Ed will continue cleanup through the night. To drain and remove transformer tonight and replace tomorrow. Con Ed e2mis #142844: 5-17-2002 08:30HRS K. NEWLAND (#9) REPORTS, ONE GALLON OF TRANSFORMER OIL SPRAYED OUT INTO ST, AND ONE GALLON OF TRANSFORMER OIL WITH APPROX 80 GALLONS OF WATER IN STRUCTURE. THERE WAS FIRE AND SMOKE INVOLVED BUT IS NOW CONTAINED. THE ONLY PRIVATE PROPERTY INVOLVED WAS TWO CARS IST CAR WITH PLATE# IS FR897E, AND 2ND PLATE# IS AHX2410 AND THAT BELONGS TO A MR. PORTALATIN. ALSO SMALL 4X2 PATCH OF GRASS. AT THIS TIME SPILL SEEMS TO BE CONTAINED AND NO SEWERS OR WATERWAYS WERE AFFECTED. POLICE AND FIRE DEPT ON LOCATION. POLICE LT. AURELIA AND CHEIF FOX OF FIRE DEPT. NO INJURIES WERE RELATED TO SPILL AND NO WEATHER CONDITIONS CONTRIBUTED TO HAZARD OF SPILL. HISTORICAL RECORDS INDICATE 10 PPM. OIL WAS DISCOVERED WHEN #9 WAS DISPATCHED TO LOCATION FOR 7B54 OUTAGE. ENV STOP TAG# 07302 WAS PLACED. THE

TRANSFORMER 4364 (Continued) **S106003688**

STANDING WATER IN STRUCTURE HAS NO MOVEMENT AND NO SEWER CONNECTION NOTICED. ALSO CAN NOT VERIFY IF SUMP IS PRESENT. ALSO AT THIS TIME, SAMPLE CAN NOT BE TAKEN UNTILL JOB IS MADE SAFE. ENV OPS CREW WAS SENT TO LOCATION AND WILL BE CLEANING AS A 50-499. S. STATHIS ON LOCATION AT 08:20HRS. 0920HRS P. COONEY REPORTS THAT FEILD SUPERVISOR TOLD HIM THAT ONE OUNCE OF THE ONE GALLON THAT SPRAYED ONTO STREET WENT INTO CATCH BASIN. S.PACE 49874. 09:20HRS TWO CATCH BASINS WERE DAMMED BUT BECAUSE OF DEFECTIVE FIRE DEPT EQUIPMENT WATER OVERCAME BOTH CATCH BASINS. 09:22HRS CIG WAS NOTIFIED. 09:30HRS R. JAMES GOING TO LOCATION. 09:40HRS S. STATHIS REPORTS, DEP ARRIVED ON LOCATION AND TURNED OFF FIRE PUMP. ALSO N. CAPUTO EMERGENCY MANAGER ARRIVED ON LOCATION. 09:45HRS S. STATHIS REPORTS, E.R.T ARRIVED ON LOCATION. 09:50HRS K. NEWLAND (#9) REPORTS, SAMPLE WAS TAKEN FROM VS4364. 10:15HRS EPA# NYP 004 098 448. 10:20HRS ENG RECORDS INDICATE THERE IS A SOIL DRAIN IN VS 4364. 10:25HRS S. STATHIS REPORTS, DEP (KEITH WILLIAMS) OF INDUSTRIAL DEPT ON LOCATION AND HIS PHONE NUMBER IS 595-4718. HIS SUPERVISOR NAME IS COSMO ZINGNROPOLI FAX NUMBER IS (718) 595-4771). 10:30HRS R. JAMES REPORTS, AT 10:15HRS R. JAMES CALLED N.Y.STATE D.E.C REP, KERRY FOLEY AND INFORMED HER OF TRANSFORMER FIRE AND SPILL. ALSO AT THE REQUEST OF D.E.P, WE WILL BE INSPECTING THE UPPER FLOORS OF THE AFFECTED BUILDING. 10:35HRS OVER 50 TANKER WAS ORDERED AND WILL HEADING TO LOCATION. UPDATE 5/17/02 11:30 HRS. -- E. WILLIAMS, O.S. BROOKLYN ENV. OPS, REPORTS D.E.P. REQUESTED WE TAKE WATER SAMPLES FROM CATCH BASINS AT EITHER END OF STREET: N/W/C W.31 ST & SURF AVE -AND- N/W/C W.31 ST & MERMAID AVE. SAMPLES WILL BE DELIVERED TO CHEM LAB FOR PCB TESTING UNDER SAME CHAIN OF CUSTODY FORM (#AA-07575) AS THE SAMPLE ALREADY TAKEN FROM VS-4364. UPDATE : 17-MAY-2002 11:45 HRS. EH&S ENVIR. SPECIALIST R.JAMES EMP# 50683 REPORTS: DEP HAZMAT INSPECTOR S.BALDWIN ENTERED BUILDING 2960 W.31 STREET, INSPECTED H BANK APARTMENT'S (WINDOWS & SILLS) ON FLOORS 8,7,6 & 4 FOR SIGNS OF OIL . NO OIL FOUND. AT 11:20 HRS. DEC INSPECTOR KERRY FOLEY ARRIVED ON LOCATION. WAS BRIEFED ON INCIDENT, SHOWN SPILL AREA AND TOLD OF CLEANUP PLANS. UPDATE : 17-MAY-2002 13:35 HRS. EH&S ENVIR. SPECIALIST R.JAMES EMP# 50683 REPORTS: THE OWNER OF NYS PLATE# BBK2927 RAMON CORDERO 2960 W.31 STREET APT# 2-D, REQUESTED HIS VEHICLE BE INSPECTED FOR OIL CONTAMINATION. AFTER THOROUGH INSPECTION OF VEHICLE R.JAMES REPORTS: NO EVIDENCE OF OIL CONTAMINATION FOUND ON VEHICLE. UPDATRE: 5/17/02 - 1500 R. JAMES - PROJECTS SPEC, REPORTS TANKER REMOVED 65 GALS OF WATER MIXED WITH A SMALL AMOUNT OF OIL FROM THE STREET. MR. JAMES INFORMED ASSISTANT HOUSING MGR HUGGINS THAT THE AFFECTED TREE WOULD BE REMOVED & REPLACED AND THE GRASS FROM THE LAWN WOULD ALSO BE REMOVED & REPLACED. MS. HUGGINS WAS GIVEN THE PHONE NUMBER OF JIM DOWLING OF CLAIMS. UPDATE : 17-MAY-2002 16:15 HRS. EH&S ENVIR. SPECIALIST R.JAMES EMP# 50683 REPORTS: DEP HAZMAT INSPECTOR S.BALDWIN & DEC INSPECTOR KERRY FOLEY LEAVE LOCATION AT THIS TIME. LAB RESULT OF SAMPLE TAKEN FROM VAULT RECEIVED 5/17/02 - 1637 HRS. 02-04444. <1.0 PPM. UPDATE: 17-MAY-2002 17:30 HRS. EH&S SPECIALIST R.JAMES REPORTS: RUBEN SANTANA OWNER OF VEHICLE NYS PLATE# FR897E WAS GIVEN A CLAIMS CARD TO CALL J.DOWLING. HE WOULD ALSO LIKE TO HAVE THE PLATES TO HIS CAR RETURNED TO HIM. R.JAMES WILL CALL TRANSPORTATION TO FACILITATE THAT. UPDATE: 5/17/02 - 1755 M. DAUGHERTY - ERT, REPORTS A MR. HOLLOWAY (718-714-4240), THE OWNER OF A 1989 WHITE HONDA ACCORD LXI HAS DECIDED TO CLEAN HIS CAR AT HIS OWN EXPENSE. HE WAS TOLD THAT, IF HE CHOOSES TO, HE CAN PUT A CLAIM INTO CON EDISON. UPDATE: 5/17/02 - 1820 K. BAROUCH - ENV MGR, REPORTS THAT MR. HOLLOWAY (OWNER OF THE WHITE HONDA ACCORD) RETURNED TO THE CLEAN UP SITE. ENV.

TRANSFORMER 4364 (Continued) **S106003688**

OPS. INSPECTED HIS VEHICLE AND DECIDED TO WIPE IT DOWN WITH A CLEANER. MR. BARUCH & RON JAMES ARE NOW LEAVING THE SITE. STEVE STATHIS REMAINS. LAB RESULTS OF BOTH CATCH BASINS (S/W/C MERMAID AVE & W.31 ST AND N/W/C SURF AVE & W.31 ST) RECEIVED 5/17/02 - 1931. BOTH RESULTS <1.0 PPM. Update - 5/17/02 2015hrs S. Stathis removed from the street 65 gallons of water. Removed 665 gallons of oil/water mix from structure and 230 gallon oil from unit. The dumpster will be picked up at 7am. Found cement sump in structure. Partial clean up of structure is completed . 3-11 crew is doing catch basin, lawn and fence. Will be leaving location at this time. 5/17/02-2340HRS O.S. HOWELL REPORTS REMOVED SLUDGE FROM 2-STORM DRAINS S/W/C & N/W/C OF W31 ST.NO OIL FOUND. UPDATE - 18-MAY-2002 13:40 HRS. ENVIR. FLUSH DEPT. MECH-A K.QUEST EMP# 55475 REPORTS: AN > 50 TANKER REMOVE APPROX. 500 GAL'S OF WASH WATER/OIL FROM STRUCTURE. ALL SOLID DEBRIS REMOVED BY VACTOR. DBL WASHED STRUCTURE WITH BIO-GEN 760. SUMP WAS FOUND CEMENTED. ENVIR.TAG# 07302 REMOVED. CLEANUP COMPLETE 100% UPDATE - 19-MAY-2002 18:49 PER FDR REP H.BROWN UNIT WAS REMOVED ON 5/18. UPDATE - 5/22/02 @ 0850 HRS. -- Bob: Please have someone include in the E2mis: The capacity indicated on the transformer was 339 gallons. Subtracting the 230 removed from the transformer would show 109 gallons missing; however, looking into the transformer through the hole in the top, it was evident that most of the oil was still in the transformer. The label had to be incorrect."

Remarks: "transformer fire/explosion spill on to the groudn and cars. crew on site. no con ed # yet...nrc has been notified there # 604736."

All Materials:

Site ID:	164168
Operable Unit ID:	854885
Operable Unit:	01
Material ID:	523159
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

I72 **CON EDISON - MANHOLE M42333** **RCRA-LQG** **1024891266**
South **2913 SURF AVE** **NYP005091301**
< 1/8 **BROOKLYN, NY 11224**
0.028 mi.
149 ft. **Site 10 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

RCRA-LQG:

Date Form Received by Agency:	20180410
Handler Name:	CON EDISON - MANHOLE M42333
Handler Address:	2913 SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP005091301
Contact Name:	ALYSSA SOTTO
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	Not reported

CON EDISON - MANHOLE M42333 (Continued) **1024891266**

Contact Email:	SOTTOA@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

CON EDISON - MANHOLE M42333 (Continued) **1024891266**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20170602
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: 212-460-2757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20170602
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: 212-460-2757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180410
Handler Name: CON EDISON - MANHOLE M42333
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY

CON EDISON - MANHOLE M42333 (Continued) **1024891266**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I73 **CON EDISON - MANHOLE M42333** **NY MANIFEST** **S121968187**
South **2913 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.028 mi.
149 ft. **Site 11 of 11 in cluster I**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON - MANHOLE M42333
Address:	2913 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP005091301
Facility Status:	Not reported
Location Address 1:	2913 SURF AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP005091301
Mailing Name:	CON EDISON - MANHOLE M42333
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

L74 **RITTE AID 4257** **PA MANIFEST** **S118070732**
WSW **3001-27 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.032 mi.
168 ft. **Site 1 of 3 in cluster L**

Relative: **Higher**

Actual: **4 ft.**

Manifest Details:

Year:	2014
Manifest Number:	007272124FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYR000186262
Generator Date:	09/03/2014
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D010
Container Number:	1
Container Type:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	1
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

Year:	2014
Manifest Number:	007272124FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYR000186262
Generator Date:	09/03/2014
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D002
Container Number:	1
Container Type:	Burlap, cloth, paper or plastic bags
Waste Quantity:	6
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592

RITTE AID 4257 (Continued) **S118070732**

Date TSP Sig:	Not reported
Year:	2014
Manifest Number:	007272124FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYR000186262
Generator Date:	09/03/2014
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D007
Container Number:	1
Container Type:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	1
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported
Year:	2014
Manifest Number:	007272124FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYR000186262
Generator Date:	09/03/2014
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	P001
Container Number:	1
Container Type:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	1
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

L75
WSW
< 1/8
0.032 mi.
168 ft.

RITE AID #04257
3001-27 MERMAID AVE
BROOKLYN, NY 11224

Site 2 of 3 in cluster L

RCRA-VSQG **1014926838**
NYR000186262

Relative:
Higher

Actual:
4 ft.

RCRA-VSQG:

Date Form Received by Agency:	20190417
Handler Name:	RITE AID #04257
Handler Address:	3001-27 MERMAID AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYR000186262
Contact Name:	JOSEPH A CHEST
Contact Address:	HUNTER LN
Contact City,State,Zip:	CAMP HILL, PA 17011
Contact Telephone:	717-975-8643
Contact Fax:	717-972-3989
Contact Email:	EHS@RITEAID.COM
Contact Title:	MANAGER, ENVIRONMENTAL HEALTH SERVICES
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	HUNTER LN
Mailing City,State,Zip:	CAMP HILL, PA 17011
Owner Name:	MERMAID PLAZA ASSOCIATES, INC.
Owner Type:	Private
Operator Name:	RITE AID OF NEW YORK, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

RITE AID #04257 (Continued) **1014926838**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200302
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011

RITE AID #04257 (Continued) **1014926838**

Waste Description: SILVER

Waste Code: D013
Waste Description: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D018
Waste Description: BENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D026
Waste Description: CRESOL

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U035
Waste Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U072
Waste Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

RITE AID #04257 (Continued) **1014926838**

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U201
Waste Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Waste Code: U211
Waste Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Waste Code: U240
Waste Description: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Waste Code: U279
Waste Description: U279

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MERMAID PLAZA ASSOCIATES INC
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 19 W 34TH ST STE 918
Owner/Operator City,State,Zip: NEW YORK, NY, NY 10001
Owner/Operator Telephone: 212-695-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID CORP
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RITE AID OF NEW YORK INC
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011

RITE AID #04257 (Continued) **1014926838**

Owner/Operator Telephone: 717-761-2633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID CORP
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MERMAID PLAZA ASSOCIATES, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 19 W 34TH STREET, STE 918
Owner/Operator City,State,Zip: NEW YORK, NY 10001
Owner/Operator Telephone: 212-695-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID OF NEW YORK, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RITE AID CORP
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011
Owner/Operator Telephone: 717-761-2633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID OF NEW YORK, INC.
Legal Status: Private
Date Became Current: 19960525

RITE AID #04257 (Continued) **1014926838**

Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID OF NEW YORK, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 30 HUNTER LANE
Owner/Operator City,State,Zip: CAMP HILL, PA 17011
Owner/Operator Telephone: 717-761-2633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 717-972-3989
Owner/Operator Email: EHS@RITEAID.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: MERMAID PLAZA ASSOCIATES, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 19 W 34TH STREET
Owner/Operator City,State,Zip: NEW YORK, NY 10001
Owner/Operator Telephone: 212-695-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MERMAID PLAZA ASSOCIATES, INC.
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: 19 W 34TH STREET
Owner/Operator City,State,Zip: NEW YORK, NY 10001
Owner/Operator Telephone: 212-695-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RITE AID OF NEW YORK INC
Legal Status: Private
Date Became Current: 19960525
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

RITE AID #04257 (Continued) **1014926838**

Historic Generators:

Receive Date:	20160211
Handler Name: RITE AID # 4257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20160212
Handler Name: RITE AID #04257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20111104
Handler Name: RITE AID #4257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130510
Handler Name: RITE AID #4257	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20151120
Handler Name: RITE AID #4257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY

RITE AID #04257 (Continued) **1014926838**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20190417
Handler Name: RITE AID #04257	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	44611
NAICS Description:	PHARMACIES AND DRUG STORES

NAICS Code:	446110
NAICS Description:	PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

L76 **RITE AID #4257** **NY MANIFEST** **S119079130**
WSW **3001-27 MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.032 mi.
168 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
4 ft.

NY MANIFEST:

Name:	RITE AID #4257
Address:	3001-27 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000186262
Facility Status:	Not reported
Location Address 1:	3001-27 MERMAID AVENUE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224

RITE AID #4257 (Continued) **S119079130**

Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000186262
Mailing Name: RITE AID #4257
Mailing Contact: RITE AID
Mailing Address 1: 3001-27 MERMAID AVE
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11224
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7183732818

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: CTD983872698
Trans2 State ID: NJD054126164
Generator Ship Date: 12/23/2013
Trans1 Recv Date: 12/23/2013
Trans2 Recv Date: 12/30/2013
TSD Site Recv Date: 01/08/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000186262
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: INR000110197
TSDF ID 2: Not reported
Manifest Tracking Number: 006299738FLE
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N
Discr Full Reject Indicator: N
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: H141
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 5
Units: P - Pounds
Number of Containers: 1
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: L Landfill.
Specific Gravity: 1

RITE AID #4257 (Continued) **S119079130**

Waste Code:	D024
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

M77 **VAULT 3996** **NY Spills** **S104788440**
SE **SURF AVENUE AT 25TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.035 mi.
185 ft. **Site 1 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	VAULT 3996
Address:	SURF AVENUE AT 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0005820 / 2002-02-13
Facility ID:	0005820
Facility Type:	ER
DER Facility ID:	88360
Site ID:	99443
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2000-08-15
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	2000-08-15
CID:	204
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-08-15
Spill Record Last Update:	2002-02-13
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	TONY LOPEZ
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL "
Remarks:	"1 GALLON ON 200 GALLONS WATER "

All Materials:

Site ID:	99443
Operable Unit ID:	826796
Operable Unit:	01
Material ID:	546963
Material Code:	0066A

VAULT 3996 (Continued) **S104788440**

Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

N78 **MANHOLE 71777** **NY Spills** **S106007990**
South **WEST 29TH STREET+MERMAID** **N/A**
< 1/8 **BROOKLYN, NY**
0.035 mi.
185 ft. **Site 1 of 2 in cluster N**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	MANHOLE 71777
Address:	WEST 29TH STREET+MERMAID
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0206813 / 2003-01-28
Facility ID:	0206813
Facility Type:	ER
DER Facility ID:	79674
Site ID:	86912
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	2002-10-01
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	2002-10-01
CID:	282
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-10-01
Spill Record Last Update:	2003-01-28
Spiller Name:	SAME
Spiller Company:	UNKNOWN FOR NOW
Spiller Address:	SAME
Spiller Company:	001
Contact Name:	CHARLIE MCCARTHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL e2mis no. 145-332: 01-OCT-2002 02:35 HRS. B/Q EQUIPMENT GROUP. SPLICER V.DINEEN EMP# 41974 REPORTS: WHILE ON LOCATION TO PRESSURE TEST VS5993 (100' SOUTH) FOUND IN LINE THE HOLE M71777 A UNDIAPERABLE SHEEN ON APPROX. 1000 GAL'S OF WATER. SPILL IS CONTAINED. NO SEWERS OR WATER WAYS APPEAR TO BE AFFECTED. THERE IS NOT NOW NOR WAS THERE PRIOR FIRE INVOLVEMENT. THERE IS NOT NOW NOR WAS THERE PRIOR SMOKE INVOLVEMENT. THERE WERE NO INJURIES RELATED TO THIS INCIDENT. THERE ARE NO INCLEMENT WEATHER CONDITIONS OR HAZARD

MANHOLE 71777 (Continued) **S106007990**

THAT CONTRIBUTED TO THIS SPILL. NO KNOWN SUMP OR PUMP IN STRUCTURE. NO KNOWN SEWER CONNECTION PRESENT. NO PRIVATE PROPERTY AFFECTED. OWNER OF SUBSTANCES IS UNKNOWN. NO KNOWN SUBSTANTIAL CRACKS IN STRUCTURE. ENIVIR. TAG# 08305 PLACED. 1 LIQ. SAMPLE TAKEN. UPDATE 10-1-02 1200 HRS CHEM LAB # 02-09183-001 OIL ID ANALYSIS INDICATES PRESENCE SIMILAR TO A DIELECTRIC FLUID ALSO # 02-09183-001 4 PPM Update - 1605hrs - 10/1/02 S. Adedapo env. ops crew reports while performing cleanup found earthen sump. Will remove from 24 hr deminimus program. Update - 2100hrs - 10/1/02 J. Dekanchuk reports clean up stopped. Tanker broke down. Structure is making water. UPDATE: 10/2/02 - 1300 F. DELLATORRE - ENV. OPS., REPORTS CLEANUP COMPLETED BY DOUBLE WASHING STRUCTURE WITH BULLDOG. LIQUID WASTE REMOVED BY TANKER. SOLID WASTE REMOVED BY VACTOR. SUMP WAS SEALED. TAG # 08305 REMOVED. STRUCTURE MAKES WATER THROUGH FLOOR."

Remarks: "THEY HAVE A SHEEN ON 1,000 GALLONS OF WATER SPILL BEING TREATED AS A 24 HOUR DIMINUMIS CON ED 145332 NO SEWERS OR WATERWAYS NO FIRE NO SMOKE NO TRANSFORMER INVOLVED "

All Materials:

Site ID:	86912
Operable Unit ID:	858578
Operable Unit:	01
Material ID:	517408
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

N79 **MANHOLE 71777** **NY Spills** **S105236416**
South **W 29TH ST /MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.035 mi.
185 ft. **Site 2 of 2 in cluster N**

Relative: Higher

Actual: 3 ft.

SPILLS:

Name:	MANHOLE 71777
Address:	W 29TH ST /MERMAID AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0108830 / 2002-02-19
Facility ID:	0108830
Facility Type:	ER
DER Facility ID:	60778
Site ID:	62746
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-12-04
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2001-12-05
CID:	246
Water Affected:	Not reported

MANHOLE 71777 (Continued) **S105236416**

Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-05
Spill Record Last Update:	2002-02-19
Spiller Name:	Not reported
Spiller Company:	UNK
Spiller Address:	UNK
Spiller Company:	999
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY "
Remarks:	"1 QT OIL FOUND ON 300 GAL WATER IN MANHOLE - SAMPLE TAKEN LESS THAN 1PPB - CLEANUP PENDING REMOVAL OF VEH OVER MANHOLE"

All Materials:

Site ID:	62746
Operable Unit ID:	847143
Operable Unit:	01
Material ID:	530049
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D80 **LOT 48,TAXBLOCK 7051** **NY E DESIGNATION** **S109695596**
South **2907 SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.038 mi.
198 ft. **Site 8 of 13 in cluster D**

Relative:
Higher

Actual:
3 ft.

E DESIGNATION:

Name:	LOT 48,TAXBLOCK 7051
Address:	2907 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Tax Lot(s):	48
Tax Block:	7051
Borough Code:	BK
E-No:	E-226
Effective Date:	5/22/2009
Satisfaction Date:	Not reported
Ceqr Number:	09HPD021K
Ulurp Number:	090250ZMK090250ZMK
Zoning Map No:	28d
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

LOT 48,TAXBLOCK 7051 (Continued) **S109695596**

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

H81 **CON EDISON MANHOLE: 36381** **RCRA NonGen / NLR** **1016968000**
NNW **S NEPTUNE AVE & W 29TH ST** **NY MANIFEST** **NYP004416012**
< 1/8 **BROOKLYN, NY 11224**
0.038 mi.
201 ft. **Site 3 of 3 in cluster H**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140210
Handler Name:	CON EDISON MANHOLE: 36381	
Handler Address:		S NEPTUNE AVE & W 29TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004416012
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No

CON EDISON MANHOLE: 36381 (Continued) **1016968000**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20141014
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20140110
Handler Name: CON EDISON MANHOLE: 36381	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140210
Handler Name: CON EDISON MANHOLE: 36381	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

CON EDISON MANHOLE: 36381 (Continued) **1016968000**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: S NEPTUNE AVE & W 29TH ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004416012
Facility Status: Not reported
Location Address 1: S NEPTUNE AVE 32 S SEC W29 ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004416012
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PLACE
Mailing Address 2: 15TH FL
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJD003812047
Trans2 State ID: NJD003812047
Generator Ship Date: 01/10/2014
Trans1 Recv Date: 01/10/2014
Trans2 Recv Date: 01/10/2014

CON EDISON MANHOLE: 36381 (Continued) **1016968000**

TSD Site Recv Date:	01/13/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004416012
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002328404GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

D82 **MANHOLE #71776** **NY Spills** **S106469659**
South **WEST 29TH ST/NESURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 9 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

SPILLS:

Name:	MANHOLE #71776
Address:	WEST 29TH ST/NESURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0402391 / 2004-09-14
Facility ID:	0402391
Facility Type:	ER
DER Facility ID:	258905
Site ID:	321388
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4

MANHOLE #71776 (Continued) **S106469659**

SWIS:	2401
Spill Date:	2004-06-02
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	2004-06-03
CID:	407
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-06-03
Spill Record Last Update:	2004-09-14
Spiller Name:	ERT DESK
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	999
Contact Name:	ERT DESK
DEC Memo:	"e2mis no 153668 DELAROSA, EMP NO. 19655 FOUND APPX 1 PT OF UNKNOWN OIL ON APPOX 300 GALS OF WATER. NO SEWERS OR WATERWAYS AFFECTED. HE WAS UNABLE TO VERIFY ANY SUBSTANTIAL CRACKS IN THE STRUCTURE, THE SOURCE OF THE SPILL OR IF THERE WAS ANY OIL FILLED EQUIPMENT INVOLVED. ONE LIQUID SAMPLE WAS TAKEN. CLEANUP PENDING RESULTS. Lab Sequence Number: 04-04314-001 PCBs < 1 ppm. BROOKLYN ENV OPS O/S B. BROWN REPORTS THAT CLEANUP IS NOT EXPECTED TO BE COMPLETE PRIOR TO 18:20 HRS. DUE TO AMOUNT OF WORK REQUIRED TO CLEAN STRUCTURE AND ALSO DUE TO CABLE AND UNDERGROUND CREWS CURRENTLY WORKING IN STRUCTURE. Update - 6/3/04 - 2015hrs Sam Rosenking, env. ops mech reports double washed structure with bulldog. Found cement sump in structure. Removed all liquds with vactor. Structure not making water at this time. No leaking co. equipment found. Removed env. stop tag # 39231. Clean up completed 100%."
Remarks:	"Spill is 1 pint into 300 gallons of water. "

All Materials:

Site ID:	321388
Operable Unit ID:	884076
Operable Unit:	01
Material ID:	490012
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D83 **TS 6002** **NY Spills** **S104283577**
South **WEST 29TH ST SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 10 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

SPILLS:

Name:	TS 6002
Address:	WEST 29TH ST SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9909275 / 1999-12-21
Facility ID:	9909275
Facility Type:	ER
DER Facility ID:	121827
Site ID:	142799
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	1999-10-30
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-10-30
CID:	382
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-10-30
Spill Record Last Update:	2000-05-23
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL con ed e2mis notes: While on location to drain transformer at 09:00 hrs found an undiaperable sheen of unknown oil on approx. 500 gal. water in VS-6002. Source of oil is unknown (not from transformer). Cleanup will be treated as 50-499 ppm. Pending PCB results. As per ERT, we can use the same EPA ID# that was issued this morning to drain the transformer: NYP004045787. Results for transformer oil: 10/27/99, Lab Seq#99-11376, 611 ppm. Lab Seq# 99-11463, Results <1.00 ppm, Cleanup completed and stop tag removed. <1.0 ppm cleanup completed using bio-gen760. Incident is closed. "
Remarks:	"SHEEN ON 500 GALS OF WATER CONTAINED IN MANHOLE. CLEAN UP PENDING. "

All Materials:

Site ID:	142799
Operable Unit ID:	1083894
Operable Unit:	01
Material ID:	298359
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported

TS 6002 (Continued) **S104283577**

Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D84 **WEST 29TH ST & SURF AVE** **NY Spills** **S106126282**
South **W. 29TH ST & SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 11 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

SPILLS:

Name:	WEST 29TH ST & SURF AVE
Address:	W. 29TH ST & SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0308216 / 2003-12-22
Facility ID:	0308216
Facility Type:	ER
DER Facility ID:	171662
Site ID:	206787
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2003-11-03
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	2003-11-03
CID:	405
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-11-03
Spill Record Last Update:	2004-04-01
Spiller Name:	CALLER
Spiller Company:	CON EDISON
Spiller Address:	128 WEST END AVENUE
Spiller Company:	001
Contact Name:	ERT
DEC Memo:	"11-03-03 10:10 HRS R. DEROSA 14790 (NET) REPORTS, FOUND ONE PINT OF UNKNOWN OIL ON APPROX 00 GALLONS OF WATER. AT THIS TIME OIL APPEARS TO BE CONTAINED. NO HISTORICAL RECORDS AT THIS TIME. ENV STOP TAG # 360 WAS PLACED. ALSO THIS STRUCTURE IS MAKING WATER. NO SEWER CONNECTIONS OR SUMPS NOTICED. ONE LIQUID SAMPLE WAS TAKEN ON A E PRIORTY AND CLEANUP IS PENDING LAB RESULTS. UPDATE 11-03-03 11:25 HRS R. DEROSA REPORTS, PRESSURE TESTED AND PASSED. . UPDATE 11-03-03 12:05HRS J. DEROSA REPORTS, UPON FURTHER INVESTIGATING, FOUND SECONDARY BUSHING LEAKING. DISREGARDED FIRST SAMPLE AND TOOK NEW SAMPLE FROM TRANSFORMER TANK. UPDATE 12:10 HRS HISTORICAL RECORDS INDICATE 3 PPM 11/04/0 LAB SEQ# 02-10316-004. UPDATE 11-03-03 12:20

WEST 29TH ST & SURF AVE (Continued) **S106126282**

HRS S. EDIP (NET) REPORTS, AT THIS TIME THREE ADJACENT VAULTS, TWO LINE HOLES AND ONE BUS COMPARTMENT ALL HAVE WATER BUT NO OIL. POTENTIAL THAT WHEN WATER IN AFFECTED VS 5993 REACHES PRIMARY DUCTS THE OIL CAN CONTAMINATE THE ADJACENT MH'S. THIS JOB WILL NOW BE TREATED AS A 50-499 CLEANUP. TANKER WAS ORDERED FOR AFTER 14:00 HRS. 11/03/03 18:25 HRS. -- LAB SEQ 03-08975, 1 PPM, AROCLOR 1260. 11/03/03 20:35 HRS. -- TRANSFORMER WAS DRAINED WITH TANKER, REMOVING 250 GAL. OIL. TANKER ALSO REMOVED 1200 GAL. OF WATER FROM VAULT. TRANSFORMER TO BE SCHEDULED FOR REMOVAL. 11/7/03 11:10 HRS TRANSFORMER HAS BEEN REMOVED FROM STRUCTURE. ENV. STOP TAG REMAINS IN PLACE. ENV. OPS. ON LOCATION. Update - 11/7/03 - 2100hrs double washed structure with A1 hydroiwash. Removed all liquds with <50 tanker. Transformer was removed earlier. Found a cemented sump in structure. Clean up completed."

Remarks: "spill from a transformer in vault # 9553 - 1 pint on 300 gallons of water - spill is contained - con ed # 150998 - pcb's are at 1 ppm"

All Materials:

Site ID:	206787
Operable Unit ID:	876702
Operable Unit:	01
Material ID:	501733
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D85 **VAULT 5977** **NY Spills** **S106008000**
South **WEST 29TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 12 of 13 in cluster D**

Relative: **Higher**

Actual: **4 ft.**

SPILLS:

Name:	VAULT 5977
Address:	WEST 29TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0206780 / 2002-11-29
Facility ID:	0206780
Facility Type:	ER
DER Facility ID:	225164
Site ID:	276953
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	2401
Spill Date:	2002-10-01
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2002-10-01
CID:	246
Water Affected:	Not reported
Spill Source:	Commercial/Industrial

VAULT 5977 (Continued) **S106008000**

Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-10-01
Spill Record Last Update:	2002-11-29
Spiller Name:	LARRY COSTA
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY copy given to eco's. Con Ed e2mis #145333: 10-1-02 0810 HRS A. WALKER OS FLUSH DEPT REPORTS WHILE CHECKING STRUCTURE IN VS5977 E/S W. 29 ST 494' S/O MERMAID AVE THEY FOUND THE TRANSF (BELOW MIN) ON FDR.7B41 (WAS REQUESTED OFF ON EMERG PRIORITY # 1) LEAKED APPROX 100 GALLONS DIELECTRIC FLUID INTO STRUCTURE ONTO 450 GALLONS WATER. THERE WAS NO FIRE OR SMOKE AT THIS LOCATION. NO PRIVATE PROPERTY AFFECTED, NO INJURIES. HE SEE A CONCRETE SUMP. HE DOES NOT SEE A SEWER CONNECTION OR EARTHEN SUMP. LIQUID IS CONTAINED TO STRUCTURE. NO SEWERS OR WATERWAYS AFFECTED. HISTORICAL RECORD OF TRANSF IS 10 PPM AND WAS LAST TESTED 3-2-95. THEY WILL TAKE A LIQUID SAMPLE FROM THE SOURCE (TRANSF). THEY WILL REQUEST EMERG PRIORITY FOR PCB SAMPLE RESULT. THEY STARTED CLEAN UP AS 50-499 PPM. AN OVER 50PPM TANKER IS ON LOCATION TO START CLEANUP. (EPA # NYP004103123) ALSO FLUSH CREW ON LOCATION . CHAIN OF CUSTODY # CC09092. E.S.TAG #35025 WAS PLACED. SEE INCIDENT #145329. Con Ed e2mis #145329: 30-SEP-2002 21:17 HRS. FOD DEPT. SR FIELD OPER. B.BERNIER EMP# 09376 REPORTS: WHILE ON LOCATION FOR INSPECTION WORK FOUND: APPROX. 5 GAL'S OF UNKNOWN OIL ON APPROX. 300 GAL'S OF WATER. SPILL IS CONTAINED. NO SEWERS OR WATER WAYS APPEAR TO BE AFFECTED. THERE IS NOT NOW NOR WAS THERE PRIOR FIRE INVOLVEMENT. THERE IS NOT NOW NOR WAS THERE PRIOR SMOKE INVOLVEMENT. THERE WERE NO INJURIES RELATED TO THIS INCIDENT. THERE ARE NO INCLEMENT WEATHER CONDITIONS OR HAZARD THAT CONTRIBUTED TO THIS SPILL. NO KNOWN SUMP OR PUMP. NO KNOWN SEWER CONNECTION PRESENT. NO PRIVATE PROPERTY AFFECTED . OWNER OF SUBSTANCES IS UNKNOWN. NO KNOWN SUBSTANTIAL CRACKS IN STRUCTURE. ENIVIR. TAG# 26272 PLACED. 1 LIQ. SAMPLE TAKEN FROM SPILL & MARKED PRIORITY E 24 HR. DEMINIMIS PROGRAM. CHAIN OF CUSTODY# BB-09690. SAMPLE TO BE TAKEN TO ASTORIA CHEM. LAB. CLEANUP PENDING TEST RESULTS. UPDATE - 30-SEP-2002 22:05 HRS. EQUIPMENT INFO : SERIAL # H375354, MFR: GE, CLASS: HIGAO, YR. OF MFR: 1974.YR. OF INST: 1974, UNIT TO BE PRESSURE TESTED. UNIT CAPACITY : 255 GAL'S, HISTORICAL PCB RECORDS INDICATE 10 PPM 3/2/95. HISTORICAL SEWER RECORDS INDICATE THE POSSIBILITY OF A SOIL DRAIN. UPDATE - 01-OCT-2002 03:29 HRS. LSN# 02-09179,SAMPLE TYPE: OIL, AROCLOR: 1260, RESULT: < 1PPM. 01-OCT-2002 02:35 HRS. B/Q EQUIPMENT GROUP. SPLICER V.DINEEN EMP# 41974 REPORTS: WHILE ON LOCATION TO PRESSURE TEST UNIT VS5993 FOUND IN V5977 APPROX. 50 GAL'S OF DIELECTRIC TRANSFORMER FLUID ON APPROX. 1000 GAL'S OF WATER. UNIT TESTED WELL BELOW MIN. VS5977 CAN NOT BE PRESSURE TESTED UNTIL UNIT IS DENERGIZED. HISTORICAL RECORDS INDICATE 10 PPM 3/2/95, TRANS. SER# H357726, TRAN. CODE HIGAO, MFR. CODE GE, INSTALLED 1/1/74, MANUFACTURED 1/1/74, UNIT CAPACITY 255 GAL'S. STRUCTURE TO BE CLEANED AS 50-499 BY ASTORIA TANKER. UNIT# 5953 WAS PRESSURE TESTED & PASSED, UNIT V6002 WAS

VAULT 5977 (Continued) **S106008000**

PRESSURE TESTED & PASSED. UPDATE - 01-OCT-2002 05:00 HRS. EH&S R.JAMES REPORTS: AT 04:40 HRS. M.DAUGHTREY ARRIVED ON LOCATION., INSPECTED STRUCTURE AND OIL SPILL. AFTER INSPECTION IT IS NOW BELIEVED 100 GAL'S OF DIELECTRIC FLUID IS MISSING FROM UNIT. UPDATE 10-1-02 AS R. JAMES ENVIR REP. HE REPORTS WHEN THEY DRAINED 550 GALLONS OF LIQUIDS FROM V5977 WITH OVER 50 PPM TANKER THEY FOUND THERE WAS NO TIE BET THE OTHER 3 STRUCTURES. THEY WENT BACK AND FOUND THAT VS5993 STILL HAD 5 GALLONS UNKNOWN OIL ON 300 GALLONS WATER. THEY PRESSURE TESTED TRANSF AND IT WAS GOOD. SAMPLE RESULT CAME BACK < 1 PPM. AND CAN BE CLEAN AS SUCH. CHECK V6002 AND FOUND IT ONLY CONTAINED WATER AND TRANSF PRESSURE TESTED GOOD. ALSO CHECK VS5953 AND FOUND WATER AND MUD AND TRANSF PRESSURE TESTED GOOD. SPOKE TO ERT M KESSLER AND A NEW INCIDENT WILL HAVE TO BE MADE FOR VS5977. "

Remarks: "Faulty transformer deposited material into vault. sample taken cleanup pending. unit shows below minimum "

All Materials:

Site ID:	276953
Operable Unit ID:	858543
Operable Unit:	01
Material ID:	517376
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D86 **VS 4031** **NY Spills** **S104790571**
South **SURF ST/W 29TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.044 mi.
234 ft. **Site 13 of 13 in cluster D**

Relative:
Higher

Actual:
4 ft.

SPILLS:

Name:	VS 4031
Address:	SURF ST/W 29TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0008217 / 2001-03-27
Facility ID:	0008217
Facility Type:	ER
DER Facility ID:	198988
Site ID:	242111
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2000-10-13
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	2000-10-13
CID:	389
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons

VS 4031 (Continued) **S104790571**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-10-13
Spill Record Last Update:	2001-04-03
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FOLEY e2mis Notes: 1 quart of an unknown oil on 400 gallons water in VS4031. Transformer passed pressure test. Historical indicates <1ppm PCBs. Lab results returned <1ppm PCBs. Flush reports sump was found sealed. Double washed structure. Cleanup completed. Liquids and solids removed by tanker and vactor. No leaking equipment. KMF 4/3/01."
Remarks:	"CALLER REPORTING A SPILL OF UNK MATERIAL SAMPLES TAKEN CLEAN UP PENDING LAB RESULTS NO CALLBACK CONED#133917"

All Materials:

Site ID:	242111
Operable Unit ID:	830594
Operable Unit:	01
Material ID:	545733
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

M87 **CON EDISON MANHOLE: 42348** **RCRA NonGen / NLR** **1016149423**
SE **SURF AVE & W 25TH ST SE COR** **NY MANIFEST** **NYP004280863**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
272 ft. **Site 2 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20170728
Handler Name:	CON EDISON MANHOLE: 42348
Handler Address:	SURF AVE & W 25TH ST SE COR
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004280863
Contact Name:	T'ARRI SOWELL
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	718-666-4506
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	OPERATING SUPERVISOR
EPA Region:	02

CON EDISON MANHOLE: 42348 (Continued) **1016149423**

Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No

CON EDISON MANHOLE: 42348 (Continued) **1016149423**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171129
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20121219
Handler Name:	CON EDISON MANHOLE: 42348
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20170728
Handler Name:	CON EDISON MANHOLE: 42348
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	SURF AVE & W 25TH ST SE COR
City,State,Zip:	BROOKLYN, NY 11224

CON EDISON MANHOLE: 42348 (Continued) **1016149423**

Country:	USA
EPA ID:	NYP004280863
Facility Status:	Not reported
Location Address 1:	SEC SURF AVE. & W 25 ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004280863
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	12/19/2012
Trans1 Recv Date:	12/19/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/21/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004280863
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001676106GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON MANHOLE: 42348 (Continued) **1016149423**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

O88 **NYC SCHOOL CONSTRUCTION AUTH** **RCRA NonGen / NLR** **1015746588**
ESE **2950 W 25TH ST** **NY MANIFEST** **NYP000969063**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
272 ft. **Site 1 of 5 in cluster O**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20130108
Handler Name:	NYC SCHOOL CONSTRUCTION AUTH	
Handler Address:		2950 W 25TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP000969063
Contact Name:		ALEXANDER LEMPERT
Contact Address:		THOMSON AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-472-8501
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		DIR NYCSCA I & EH DIV
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		THOMSON AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

NYC SCHOOL CONSTRUCTION AUTH (Continued) **1015746588**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20170524
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20121126
Handler Name:	NYC SCHOOL CONSTRUCTION AUTH
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

NYC SCHOOL CONSTRUCTION AUTH (Continued) **1015746588**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130108
Handler Name:	NYC SCHOOL CONSTRUCTION AUTH
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	NYC SCHOOL CONSTRUCTION AUTH PS 288
Address:	2950 W 25TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP000969063
Facility Status:	Not reported
Location Address 1:	2950 W 25TH ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP000969063
Mailing Name:	NYC SCHOOL CONSTRUCTION AUTH PS 288
Mailing Contact:	NYC SCHOOL CONSTRUCTION AUTH
Mailing Address 1:	30-30 THOMSON AVE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101

NYC SCHOOL CONSTRUCTION AUTH (Continued) **1015746588**

Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7184728000

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD054126164
Trans2 State ID:	PAD982661381
Generator Ship Date:	11/29/2012
Trans1 Recv Date:	11/29/2012
Trans2 Recv Date:	12/06/2012
TSD Site Recv Date:	12/14/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP000969063
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	PAD085690592
TSDF ID 2:	Not reported
Manifest Tracking Number:	009182380JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	190
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

O89 **NYC SCHOOL CONSTRUCTION AUTHORITY - PS288** **PA MANIFEST** **S113739447**
ESE **2950 WEST 25TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
272 ft. **Site 2 of 5 in cluster O**

Relative: **Lower**

Actual: **2 ft.**

Manifest Details:

Year:	2012
Manifest Number:	009182380JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYP000969063
Generator Date:	11/29/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address:	2869 SANDSTONE DRIVE
TSD Facility City:	HATFIELD
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D008
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	250
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

Year:	2012
Manifest Number:	009182380JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYP000969063
Generator Date:	11/29/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address:	2869 SANDSTONE DRIVE
TSD Facility City:	HATFIELD
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	250
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592

NYC SCHOOL CONSTRUCTION AUTHORITY - PS288 (Continued) **S113739447**

Date TSP Sig:	Not reported
Year:	2012
Manifest Number:	009182380JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYP000969063
Generator Date:	11/29/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address:	2869 SANDSTONE DRIVE
TSD Facility City:	HATFIELD
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D001
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	190
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported
Year:	2012
Manifest Number:	009182380JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYP000969063
Generator Date:	11/29/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address:	2869 SANDSTONE DRIVE
TSD Facility City:	HATFIELD
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	8
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	990
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

O90 **SANDY FOLLOW UP** **NY AST** **U003394222**
ESE **2950 WEST 25TH STREET** **NY Spills** **N/A**
< 1/8 **BROOKLYN, NY**
0.052 mi.
272 ft. **Site 3 of 5 in cluster O**

Relative:
Lower

Actual:
2 ft.

AST:

Name:	P.S 288 - BROOKLYN K288
Address:	2950 WEST 25TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-354503
Program Type:	PBS
UTM X:	585340.42481
UTM Y:	4491932.24893
Expiration Date:	N/A
Site Type:	School

Affiliation Records:

Site Id:	17629
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	MUNENDRA SHARMA
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	Not reported
Fax Number:	Not reported
Modified By:	ACDANIEL
Date Last Modified:	2018-07-17

Site Id:	17629
Affiliation Type:	Mail Contact
Company Name:	NYC DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	MUNENDRA SHARMA
Address1:	FIELD OPERATIONS-FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	MSHARMA@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2020-02-04

Site Id:	17629
Affiliation Type:	Facility Operator
Company Name:	P.S 288 - BROOKLYN K288
Contact Type:	Not reported
Contact Name:	ROBERT DRACH

SANDY FOLLOW UP (Continued) **U003394222**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 382-2100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-09-28

Site Id:	17629
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	KEN MAHADEO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 210-7918
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2021-12-22

Tank Info:

Tank Number:	001
Tank Id:	34514
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
J02 - Dispenser - Suction Dispenser
G02 - Tank Secondary Containment - Vault (w/access)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/25/1961
Capacity Gallons:	7000

SANDY FOLLOW UP (Continued) **U003394222**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/16/2015
Register:	True
Modified By:	HDDUPIGN
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

Tank Number:	002
Tank Id:	34515
Material Code:	0002
Common Name of Substance:	#4 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
G02 - Tank Secondary Containment - Vault (w/access)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/25/1961
Capacity Gallons:	7000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/16/2015
Register:	True
Modified By:	HDDUPIGN
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

Tank Number:	003
Tank Id:	260046

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
I05 - Overfill - Vent Whistle
K00 - Spill Prevention - None
G09 - Tank Secondary Containment - Modified Double-Walled

SANDY FOLLOW UP (Continued) **U003394222**

(Aboveground)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
L00 - Piping Leak Detection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	10/15/2015
Capacity Gallons:	7000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/17/2017
Register:	True
Modified By:	DAFRANCI
Last Modified:	09/28/2017
Material Name:	#2 fuel oil (on-site consumption)

SPILLS:

Name:	SANDY FOLLOW UP
Address:	2950 WEST 25TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1208592 / 2013-04-23
Facility ID:	1208592
Facility Type:	ER
DER Facility ID:	425924
Site ID:	471655
DEC Region:	2
Spill Cause:	Storm
Spill Class:	C4
SWIS:	2401
Spill Date:	2012-10-28
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	2012-11-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-11-02
Spill Record Last Update:	2013-04-23
Spiller Name:	BRIAN GOCHENAUR
Spiller Company:	STORM DAMAGE
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BRIAN GOCHENAUR

SANDY FOLLOW UP (Continued) **U003394222**

DEC Memo: "Closure report in edocs.LIRO engineers prepared closure report. Cleanup and debris removal activities were performed by Williams and vacuum truck liquid extraction was provided by AARCO. AARCO pumped flood waters and the oil/water mixture from the basement (electrical and storage rooms, boiler room and tank room) to frac tanks located outside of the facility. Based on the remediation performed and visual observations, LiRo concludes that the oil release has been satisfactorily remediated and thereby requests that this spill case be closed. "

Remarks: "contained to boiler room and basement clean up in progress"

All Materials:

Site ID:	471655
Operable Unit ID:	1221511
Operable Unit:	01
Material ID:	2220161
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

O91 **NYC DEPT OF EDUCATION - PS 288K** **RCRA-SQG 1016144321**
ESE **2950 W 25TH ST** **NY MANIFEST NYR000199000**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
272 ft. **Site 4 of 5 in cluster O**

Relative: **Lower**

Actual: **2 ft.**

RCRA-SQG:

Date Form Received by Agency:		20130219
Handler Name:	NYC DEPT OF EDUCATION - PS 288K	
Handler Address:		2950 W 25TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000199000
Contact Name:		ALEXANDER LEMPERT
Contact Address:		THOMSON AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-472-8501
Contact Fax:		718-472-8500
Contact Email:		ALEMPERT@NYCSCA.ORG
Contact Title:		DIRECTOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		THOMSON AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYC DEPT OF EDUCATION	
Owner Type:		Municipal

NYC DEPT OF EDUCATION - PS 288K (Continued) **1016144321**

Operator Name:	NYC DEPT OF SCHOOL FACILITIES
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

NYC DEPT OF EDUCATION - PS 288K (Continued) **1016144321**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC DEPT OF EDUCATION	
Legal Status:	Municipal
Date Became Current:	19650126
Date Ended Current:	Not reported
Owner/Operator Address:	30-30 THOMSON AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101
Owner/Operator Telephone:	718-472-8501
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC DEPT OF SCHOOL FACILITIES	
Legal Status:	Municipal
Date Became Current:	19650126
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20130219
Handler Name: NYC DEPT OF EDUCATION - PS 288K	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	61111
NAICS Description:	ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	NYC DEPT OF EDUCATION - PS 288K
Address:	2950 W 25TH ST
City,State,Zip:	BROOKLYN, NY 11224

NYC DEPT OF EDUCATION - PS 288K (Continued) **1016144321**

Country:	USA
EPA ID:	NYR000199000
Facility Status:	Not reported
Location Address 1:	2950 W 25TH ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000199000
Mailing Name:	NYC DEPT OF EDUCATION - PS 288K
Mailing Contact:	NYC SCHOOL CONSTRUCTION AUTHORITY
Mailing Address 1:	30-30 THOMSON AVE
Mailing Address 2:	RE: PS 288
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7184728000

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NYD986938645
Trans2 State ID:	NJD054126164
Generator Ship Date:	12/07/2013
Trans1 Recv Date:	12/07/2013
Trans2 Recv Date:	01/28/2014
TSD Site Recv Date:	02/12/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000199000
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	MAC300017498
TSDF ID 2:	Not reported
Manifest Tracking Number:	006378737JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H039
Waste Code:	Not reported
Waste Code:	Not reported

NYC DEPT OF EDUCATION - PS 288K (Continued) **1016144321**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Waste Code:	B007
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

M92 **CON EDISON - VS 5766, 5531, 5628** **RCRA NonGen / NLR** **1008195630**
SE **WEST 25 ST & SURF AVE** **NY MANIFEST** **NYP004110839**
< 1/8 **BROOKLYN, NY 11241**
0.052 mi.
276 ft. **Site 3 of 12 in cluster M**

Relative: **Higher**

Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20040227
Handler Name:	CON EDISON - VS 5766, 5531, 5628
Handler Address:	WEST 25 ST & SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11241
EPA ID:	NYP004110839
Contact Name:	ANTHONY DRUMMINGS
Contact Address:	4 IRVING PLACE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-3770
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Municipal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	4 IRVING PLACE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

CON EDISON - VS 5766, 5531, 5628 (Continued) **1008195630**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2003

Click Here for Biennial Reporting System Data:

Handler - Owner Operator:

CON EDISON - VS 5766, 5531, 5628 (Continued) **1008195630**

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030507
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030507
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030507
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20030507
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20040225
Handler Name: CON EDISON - VS 5766, 5531, 5628
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

CON EDISON - VS 5766, 5531, 5628 (Continued) **1008195630**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040226
Handler Name: CON EDISON - VS 5766, 5531, 5628
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040227
Handler Name: CON EDISON - VS 5766, 5531, 5628
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CONSOLIDATED EDISON
Address: WEST 25 ST & SURF AVE
City,State,Zip: BROOKLYN, NY 11241
Country: USA
EPA ID: NYP004110839
Facility Status: Not reported
Location Address 1: W 25 ST % SURF AVE V5766
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY

CON EDISON - VS 5766, 5531, 5628 (Continued) **1008195630**

Location Zip:	11201
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004110839
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address 1:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124602808

M93 **CONEY ISLAND GARAGE & MAINTENANCE** **NY AST** **U001841456**
SE **WEST 25TH STREET AND SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
276 ft. **Site 4 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

AST:

Name:	CONEY ISLAND GARAGE & MAINTENANCE
Address:	WEST 25TH STREET AND SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600449
Program Type:	PBS
UTM X:	585340.05689
UTM Y:	4491893.84049
Expiration Date:	12/04/2021
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	22430
Affiliation Type:	Facility Owner
Company Name:	NYC PARKS & RECREATION
Contact Type:	DEPUTY CHIEF
Contact Name:	GABRIEL RAMOS
Address1:	830 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 410-8916
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-02-27

Site Id:	22430
Affiliation Type:	Mail Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

Contact Name:	GABE RAMOS
Address1:	20 BRONX SHORE ROAD
Address2:	RANDALLS ISLAND
City:	NEW YORK
State:	NY
Zip Code:	10035
Country Code:	001
Phone:	(212) 410-8916
EMail:	GABRIEL.RAMOS@PARKS.NYC.GOV
Fax Number:	Not reported
Modified By:	DMPOKRZY
Date Last Modified:	2016-08-16

Site Id:	22430
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND GARAGE & MAINTENANCE
Contact Type:	Not reported
Contact Name:	DARREN MERRITT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 965-8915
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-02-27

Site Id:	22430
Affiliation Type:	Emergency Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	LAURENCE MAJOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 965-8915
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MXLAY
Date Last Modified:	2016-06-22

Tank Info:

Tank Number:	004
Tank Id:	52247
Material Code:	2711
Common Name of Substance:	Biodiesel (Heating, On-Site Consumption)

Equipment Records:

I05 - Overfill - Vent Whistle

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
G00 - Tank Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
L00 - Piping Leak Detection - None
J00 - Dispenser - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/22/1980
Capacity Gallons:	750
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/15/2013
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	biodiesel (heating, on-site consumption)
Tank Number:	005
Tank Id:	52248
Material Code:	2711
Common Name of Substance:	Biodiesel (Heating, On-Site Consumption)

Equipment Records:

I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None
J00 - Dispenser - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	08/15/1980
Capacity Gallons:	3000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/28/2020

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

Register:	True
Modified By:	DAFRANCI
Last Modified:	11/09/2020
Material Name:	biodiesel (heating, on-site consumption)
Tank Number:	006
Tank Id:	262308
Equipment Records:	
	I05 - Overfill - Vent Whistle K00 - Spill Prevention - None A00 - Tank Internal Protection - None B01 - Tank External Protection - Painted/Asphalt Coating H05 - Tank Leak Detection - In-Tank System (ATG) L09 - Piping Leak Detection - Exempt Suction Piping E00 - Piping Secondary Containment - None D02 - Pipe Type - Galvanized Steel F00 - Pipe External Protection - None G12 - Tank Secondary Containment - Double-Walled (AG only) C02 - Pipe Location - Underground/On-ground J03 - Dispenser - Gravity
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/30/2012
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	biodiesel (heating, on-site consumption)
Tank Number:	007
Tank Id:	266343
Equipment Records:	
	G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground) K00 - Spill Prevention - None A00 - Tank Internal Protection - None H00 - Tank Leak Detection - None I00 - Overfill - None E00 - Piping Secondary Containment - None B00 - Tank External Protection - None C00 - Pipe Location - No Piping F00 - Pipe External Protection - None L00 - Piping Leak Detection - None D00 - Pipe Type - No Piping J00 - Dispenser - None
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/08/2016
Capacity Gallons:	280
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	waste oil/used oil

Tank Number:	008
Tank Id:	266344

Equipment Records:

G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
E00 - Piping Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/08/2016
Capacity Gallons:	250
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	hydraulic oil

Tank Number:	009
Tank Id:	266345

Equipment Records:

G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U001841456**

I00 - Overfill - None
E00 - Piping Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/08/2016
Capacity Gallons:	250
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MXLAY
Last Modified:	04/14/2017
Material Name:	motor oil

M94 **CONEY ISLAND GARAGE & MAINTENANCE** **NY UST** **U004064364**
SE **WEST 25TH STREET AND SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.052 mi.
276 ft. **Site 5 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

UST:

Name:	CONEY ISLAND GARAGE & MAINTENANCE
Address:	WEST 25TH STREET AND SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-600449 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	12/04/2021
UTM X:	585340.05689
UTM Y:	4491893.84049
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	22430
Affiliation Type:	Facility Owner
Company Name:	NYC PARKS & RECREATION
Contact Type:	DEPUTY CHIEF
Contact Name:	GABRIEL RAMOS
Address1:	830 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 410-8916
EMail:	Not reported
Fax Number:	Not reported

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U004064364**

Modified By:	DAFRANCI
Date Last Modified:	2017-02-27
Site Id:	22430
Affiliation Type:	Mail Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	GABE RAMOS
Address1:	20 BRONX SHORE ROAD
Address2:	RANDALLS ISLAND
City:	NEW YORK
State:	NY
Zip Code:	10035
Country Code:	001
Phone:	(212) 410-8916
EMail:	GABRIEL.RAMOS@PARKS.NYC.GOV
Fax Number:	Not reported
Modified By:	DMPOKRZY
Date Last Modified:	2016-08-16
Site Id:	22430
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND GARAGE & MAINTENANCE
Contact Type:	Not reported
Contact Name:	DARREN MERRITT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 965-8915
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-02-27
Site Id:	22430
Affiliation Type:	Emergency Contact
Company Name:	NYC PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	LAURENCE MAJOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 965-8915
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MXLAY
Date Last Modified:	2016-06-22

Tank Info:

Tank Number:	001

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U004064364**

Tank ID: 42768
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1000
Install Date: 07/01/1986
Date Tank Closed: 09/26/2012
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2710
Common Name of Substance: Biodiesel

Tightness Test Method: 21
Date Test: 08/27/2002
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 04/14/2017

Equipment Records:

D99 - Pipe Type - Other
G99 - Tank Secondary Containment - Other
H05 - Tank Leak Detection - In-Tank System (ATG)
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double walled UG
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F05 - Pipe External Protection - Jacketed

Tank Number: 001A
Tank ID: 248487
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 2500
Install Date: 12/21/2012
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MXLAY
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
H05 - Tank Leak Detection - In-Tank System (ATG)
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U004064364**

I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
E04 - Piping Secondary Containment - Double walled UG
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
A03 - Tank Internal Protection - Fiberglass Liner (FRP)

Tank Number:	002
Tank ID:	42769
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	07/01/1986
Date Tank Closed:	09/26/2012
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2710
Common Name of Substance:	Biodiesel
Tightness Test Method:	21
Date Test:	08/27/2002
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

D99 - Pipe Type - Other
G99 - Tank Secondary Containment - Other
H05 - Tank Leak Detection - In-Tank System (ATG)
E04 - Piping Secondary Containment - Double walled UG
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F05 - Pipe External Protection - Jacketed

Tank Number:	002A
Tank ID:	248488
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	1000
Install Date:	12/21/2012
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Tightness Test Method:	NN
Date Test:	Not reported

CONEY ISLAND GARAGE & MAINTENANCE (Continued) **U004064364**

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MXLAY
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
H05 - Tank Leak Detection - In-Tank System (ATG)
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double walled UG
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
F04 - Pipe External Protection - Fiberglass
C02 - Pipe Location - Underground/On-ground
A03 - Tank Internal Protection - Fiberglass Liner (FRP)

Tank Number: 003
Tank ID: 42770
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1000
Install Date: 07/01/1986
Date Tank Closed: 09/26/2012
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2710
Common Name of Substance: Biodiesel

Tightness Test Method: 21
Date Test: 11/13/2002
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 04/14/2017

Equipment Records:

D99 - Pipe Type - Other
G99 - Tank Secondary Containment - Other
H05 - Tank Leak Detection - In-Tank System (ATG)
E04 - Piping Secondary Containment - Double walled UG
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
J02 - Dispenser - Suction Dispenser
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F05 - Pipe External Protection - Jacketed

M95 **CONEY ISLAND MAINT GARAGE** **NY Spills** **S112228662**
SE **3026 WEST 25TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.053 mi.
278 ft. **Site 6 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

SPILLS:

Name:	CONEY ISLAND MAINT GARAGE
Address:	3026 WEST 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1208483 / 2013-11-17
Facility ID:	1208483
Facility Type:	ER
DER Facility ID:	425816
Site ID:	471545
DEC Region:	2
Spill Cause:	Storm
Spill Class:	C4
SWIS:	2401
Spill Date:	2012-10-29
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	2012-11-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-11-02
Spill Record Last Update:	2013-11-17
Spiller Name:	Not reported
Spiller Company:	HURRICANE SANDY
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BILL KLEIN
DEC Memo:	"09/19/2013 - V. Brevdo This is Hurricane Sandy related spill (1208483) that was unassigned until today. Attention to this was brought up by NYCDDC during today's quarterly meeting. Alex Zhitomirsky has three other spill cases on Coney Island Maintenance Garage: 0550468; 1113400; and 1206177. V. Brevdo discussed this with Jeffrey Vought of Spill Prevention and Response in the absence of Randall Austin. Jeff did not have objections against Section B (Alex Zhitomirsky) managing this spill, given Alex has three other spill cases on this address/site. Spill Case is assigned to Alex Zhitormirsky effective today 09/19/2013. VB 11/17/13 TJD Site inspection - met on site with NYC Parks Maintenance Supervisor (Robert Sangroni). Location is the NYC Parks Department Coney Island Garage. Interview with Mr. Sangroni reveals the following: - Underground tank system was empty and in process of replacement at time of storm. - Spill was associated with discharge from (55) gallon drum of gasoline onsite for contractor (Franklin Company) purposes as part of tank replacement project. - Area sustained significant flooding and sand deposits associated with Hurricane Sandy - Franklin Company reported to have cleaned spill and removed an unknown volume

CONEY ISLAND MAINT GARAGE (Continued) **S112228662**

of contaminated sand to the satisfaction of NYC Parks Department. - A 3K FO AST located in basement/crawlspace was inservice prior to storm - tank is strapped down - piping was dislodged from tank during storm but no reported discharge occurred. - 3K AST is Out of Service since storm - unknown if tank has been pumped - not leaking - no petroleum odors interior or exterior of structure was evident at time of inspection. Unknown if tank still contains contaminated product from storm impacts. - A 1K FO AST temp tank is currently staged on sidewalk for on site consumption. - Facility has a pending contract to convert to gas heat and remove AST in basement. - New UST's were installed and operating since January 2013 include 1K Gasoline & 2K Diesel - Perimiter of structure and basement/crawlspace floor (sand) appear clean and free of residual petroleum impacts based upon visual and olfactory inspection. No further action is required associated with reported Hurricane Sandy spill at this property. Spill is closed and cross-referenced to existing open spill numbers (1206177) at this site (referenced in DEC remarks dated 9/19/13)."

Remarks: "total 600 gallons - cleanup crew on scene"

All Materials:

Site ID: 471545
Operable Unit ID: 1221402
Operable Unit: 01
Material ID: 2220045
Material Code: 0021
Material Name: transmission fluid
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Site ID: 471545
Operable Unit ID: 1221402
Operable Unit: 01
Material ID: 2220047
Material Code: 0010
Material Name: hydraulic oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Site ID: 471545
Operable Unit ID: 1221402
Operable Unit: 01
Material ID: 2220046
Material Code: 0022
Material Name: waste oil/used oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

CONEY ISLAND MAINT GARAGE (Continued) **S112228662**

Name:	CONEY ISLAND MAINT GARAGE
Address:	3026 WEST 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1208483 / 2013-11-17
Facility ID:	1208483
Facility Type:	ER
DER Facility ID:	425816
Site ID:	471545
DEC Region:	2
Spill Cause:	Storm
Spill Class:	C4
SWIS:	2401
Spill Date:	2012-10-29
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	2012-11-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-11-02
Spill Record Last Update:	2013-11-17
Spiller Name:	Not reported
Spiller Company:	HURRICANE SANDY
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BILL KLEIN
DEC Memo:	"09/19/2013 - V. Brevdo This is Hurricane Sandy related spill (1208483) that was unassigned until today. Attention to this was brought up by NYCDDC during today's quarterly meeting. Alex Zhitomirsky has three other spill cases on Coney Island Maintenance Garage: 0550468; 1113400; and 1206177. V. Brevdo discussed this with Jeffrey Vought of Spill Prevention and Response in the absence of Randall Austin. Jeff did not have objections against Section B (Alex Zhitomirsky) managing this spill, given Alex has three other spill cases on this address/site. Spill Case is assigned to Alex Zhitormirsky effective today 09/19/2013. VB 11/17/13 TJD Site inspection - met on site with NYC Parks Maintenance Supervisor (Robert Sangroni). Location is the NYC Parks Department Coney Island Garage. Interview with Mr. Sangroni reveals the following: - Underground tank system was empty and in process of replacement at time of storm. - Spill was associated with discharge from (55) gallon drum of gasoline onsite for contractor (Franklin Company) purposes as part of tank replacement project. - Area sustained significant flooding and sand deposits associated with Hurricane Sandy - Franklin Company reported to have cleaned spill and removed an unknown volume of contaminated sand to the satisfaction of NYC Parks Department. - A 3K FO AST located in basement/crawlspace was inservice prior to storm - tank is strapped down - piping was dislodged from tank during storm but no reported discharge occurred. - 3K AST is Out of Service since storm - unknown if tank has been pumped - not leaking - no petroleum

CONEY ISLAND MAINT GARAGE (Continued) **S112228662**

odors interior or exterior of structure was evident at time of inspection. Unknown if tank still contains contaminated product from storm impacts. - A 1K FO AST temp tank is currently staged on sidewalk for on site consumption. - Facility has a pending contract to convert to gas heat and remove AST in basement. - New UST's were installed and operating since January 2013 include 1K Gasoline & 2K Diesel - Perimiter of structure and basement/crawlspace floor (sand) appear clean and free of residual petroleum impacts based upon visual and olfactory inspection. No further action is required associated with reported Hurricane Sandy spill at this property. Spill is closed and cross-referenced to existing open spill numbers (1206177) at this site (referenced in DEC remarks dated 9/19/13)."

Remarks: "total 600 gallons - cleanup crew on scene"

All Materials:

Site ID:	471545
Operable Unit ID:	1221402
Operable Unit:	01
Material ID:	2220045
Material Code:	0021
Material Name:	transmission fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Site ID:	471545
Operable Unit ID:	1221402
Operable Unit:	01
Material ID:	2220047
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Site ID:	471545
Operable Unit ID:	1221402
Operable Unit:	01
Material ID:	2220046
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

M96
SE
< 1/8
0.053 mi.
278 ft.

CONEY ISLAND GARAGE DPR -DDC
WEST 25TH STREET & SURF AVENUE
BROOKLYN, NY

Site 7 of 12 in cluster M

NY LTANKS **S101658445**
N/A

Relative:
Higher

Actual:
3 ft.

LTANKS:

Name:	CONEY ISLAND GARAGE DPR -DDC
Address:	WEST 25TH STREET & SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9505745 / 2006-05-17
Facility ID:	9505745
Site ID:	217966
Spill Date:	1995-08-09
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	CLOSED TO CONSOLIDATE WITH 0550468
Reported to Dept:	1995-08-09
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-09-13
Spill Record Last Update:	2006-05-17
Spiller Name:	Not reported
Spiller Company:	NYC DEPT PARKS & REC
Spiller Address:	SAME
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	145449
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY Spill transferred from Kolleeny to I. Islam on 4/5/05. - JK 05/17/06: This spill case is transferred from I. Islam to J. Kolleeny and closed to consolidate with open spill number 0550468. That spill was opened by I. Islam on 6/15/05 because he was apparently unaware of the existence of this spill (9505745). Remediation of the site is being tracked under spill 0550468. - J. Kolleeny"
Remarks:	"DID BORINGS AROUND UNDERGROUND TANKS AND FOUND CONTAMINATION"

All Materials:

Site ID:	217966
Operable Unit ID:	1020658
Operable Unit:	01
Material ID:	569848
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00

CONEY ISLAND GARAGE DPR -DDC (Continued) **S101658445**

Units: G
Recovered: .00
Oxygenate: Not reported

M97 **CONEY ISLAND GARAGE DPR -DDC** **NY LTANKS** **S105996611**
SE **WEST 25TH STREET & SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.053 mi.
278 ft. **Site 8 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

LTANKS:

Name:	CONEY ISLAND GARAGE DPR -DDC
Address:	WEST 25TH STREET & SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0205550 / 2003-08-06
Facility ID:	0205550
Site ID:	172829
Spill Date:	2002-08-27
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2002-08-27
CID:	204
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2002-08-27
Spill Record Last Update:	2004-12-22
Spiller Name:	MR RAMOS
Spiller Company:	NEW YORK CITY PARKS
Spiller Address:	WEST 25TH STREET AT SURF
Spiller County:	001
Spiller Contact:	MIKE COLLINS
Spiller Phone:	(631) 586-4900
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	145449
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY/DEMEO Coney Island Garage located on the side of boardwalk, Parks & Recreation facility. Alex Z. instructed Mr. Ramos to excavate, repair and investigate and to notify Region 2 office of investigative findings 8/27/02. INVESTIGATION REVEALED FAULTY HOSE/NOZZLE CAUSED TANK TEST FAILURE; HOSE/NOZZLE WERE REPLACED AND TANK PASSED A RE-TEST ON NOVEMBER 13, 2002. OK TO CLOSE."
Remarks:	"TANK TEST FAILURE"

All TTF:

Facility ID:	0205550
Spill Number:	0205550

CONEY ISLAND GARAGE DPR -DDC (Continued) **S105996611**

Spill Tank Test:	1527404
Site ID:	172829
Tank Number:	3
Tank Size:	1000
Material:	0009
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	172829
Operable Unit ID:	858183
Operable Unit:	01
Material ID:	519750
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

M98 **CONEY ISLAND GARAGE DPR -DDC** **NY Spills** **S106968831**
SE **WEST 25TH STREET & SURF AVENUE** **N/A**
< 1/8 **BROOKLYN, NY**
0.053 mi.
278 ft. **Site 9 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	CONEY ISLAND GARAGE DPR -DDC
Address:	WEST 25TH STREET & SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0550468 / 2017-07-25
Facility ID:	0550468
Facility Type:	ER
DER Facility ID:	145449
Site ID:	347726
DEC Region:	2
Spill Cause:	Other
Spill Class:	B3
SWIS:	2401
Spill Date:	1995-06-06
Investigator:	adzhitom
Referred To:	SEMI-ANNUAL MON CONTINUE
Reported to Dept:	2005-06-15
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-06-15
Spill Record Last Update:	2017-07-25
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	T. AHMAD (NYCDDC)
DEC Memo:	"8/10/05- The site's GW contamination was being addressed by injecting ORC in two events by URS Corp and O'Brien-Kreitzberg since 2001 with DEC's approval. URS performs semi-annual GW monitoring at the site and submit report to the Dept. Reviewed the report dated June 28, 2005 containing the GW sampling results from three monitoring wells (MW-01, MW-04 & MW-10).In March/05 semi-annual sampling event, only MW-10 was sampled and no compounds were detected. MW-01 was dropped from sampling for being under compliance for previous two consecutive sampling events. And, MW-04 was not sampled for increase of Free Product in the well which appeared first in Feb/04 sampling event. Absorbent Sock has been installed in this well and being monitored monthly. URS has been advised to check the upgradient well MW-03 as well for Free Product.Semi-annual sampling of MW-04 and MW-10 should continue.- II 10/12/05- Reviewed the semi-annual GW monitoring report through August/05. Only well MW-10 was sampled and was found under compliance. The well MW-04 could not be sampled for appearance of free product, and its treatment by absorbent sock. URS will continue monthly visit to gauge wells for free product.- II 3/09/06: This spill transferred from I. Islam to Q. Abidi. [05/17/06: This spill was opened by Imdadul Islam to track remediation of this site, because I. Islam was apparently unaware of the existence of spill 9505745 for this site. That spill has now been closed to consolidate with this spill. - J. Kolleeny] 7/27/06: DEC case lead transferred from Q. Abidi to J.A. Maisonave. - JAM 8/3/06 Reviewed Greyhawk/Roux Associates Semi-annual Monitoring report dated July 28, 2006. On May 10, 2006, Roux performed groundwater monitoring, which included gauging all accessible wells and sampling monitoring well MW-4. No free phase product was encountered in any wells. Groundwater flow direction is easterly towards the Atlantic Ocean. MW-4 showed levels of Benzene to be 20 ug/L, isopropyl benzene to be 7 ug/L and propylbenzene to be 15 ug/L. The total VOC concentration is 42 ug/L. Roux will continue to do semi-annual sampling of MW-4 and requests that monthly groundwater gauging be reduced to quarterly. - JAM 8/21/06 Wrote email to DDC and Roux Associates approving their recommendation to reduced gauging frequency from monthly to quarterly and continuing sampling of MW-4. - JAM 4/11/07 Reviewed the Semi-Annual Monitoring Report for period July through December 2006, submitted by Roux dated April 11, 2007. Groundwater contamination was treated with two rounds of ORC injections: the first on August 22, 2001 and the second on September 24, 2003. Quarterly gauging was conducted on August 8 and October 10 and 25, 2006. Product sheen was detected in MW-4 on October 10, and on Obtober 25, trace free-phase product (0.01 foot thickness) was

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

detected. A groundwater sample was collected from MW-4 on October 10, however, the analytical results could not be used because due to an invalid pH value. The previous sampling round conducted in May 2006 only showed total VOC concentration of 42ug/L in MW-4. Roux recommends the following tasks: attempt to locate well MW-4, which was paved over during the second quarter 2007, and continuing quarterly well gauging and semi-annual GW sampling and evaluate results for spill closure. The report is uploaded to eDocs. - JAM 11/13/07 Reviewed the Semi-Annual Monitoring Report for period January through June 2007, submitted by Roux dated October 26, 2007. On April 5, 2007, Roux gauged wells MW-01 through MW-03, MW-7 through MW-09 and MW-11. Wells MW-4 and MW-10 were paved over and are no longer accessible (well MW-4 historically had sheens and small amounts of free-product). No product was observed in any of the wells gauged. No groundwater samples were collected this period because well MW-4 was not accessed. Roux recommends replacing well MW-04, as per the work plan in appendix A, and continue quarterly gauging and semi-annual sampling. The report is uploaded to eDOcs. - JAM 8/4/09 Reviewed the Semi-annual Monitoring Report for period July 2007 through September 2008 submitted by Roux dated October 16, 2008. On October 24, 2007 and June 23, 2008, all accessible wells were gauged and no free product was observed. On June 23, 2008, wells Mw-02, MW-03, and MW-07 were sampled for VOCs and results were returned ND. Well RXMW-01 was installed on July 18, 2008, as a replacement for well MW-04, and sampled on July 28. Results showed benzene concentration of 12 ug/L and n-propylbenzene concentration of 9ug/L. An ORC sock was installed in well RXMW-01 to treat the low concentrations of VOCs. Roux recommends sampling all accessible monitoring wells during the next monitoring period and based on the results, they will petition for spill closure. The report is uploaded to eDocs. - JAM 8/4/09 Reviewed the Semi-annual Monitoring Report for period October 2008 through March 2009, submitted by Roux dated May 6, 2009. On December 26, 2008 all accessible wells were gauged and sampled, with the exception of MW-07 because it was submerged in a large puddle. No free product was observed in any well. VOCs were detected in wells MW-08 at 210ug/L, MW-11 at 10ug/L and RXMW-01 at 13ug/L. MW-08 had an exceedence for Napthalene and RXMW-01 had an exceedence for Benzene. An ORC sock was installed in well MW-08. Roux recommends continuing quarterly gauging of all accessible wells and semi-annual sampling in wells MW-08 and RXMW-01. Report is uploaded to eDocs. - JAM 11-10-2010 The spill was transferred from J. Maisonave to Alex Zhitomirsky, as per V. Brevdo/J. Kolleeny. AZ 6-6-2011 Reviewed Site turn-over status report and semi-annual monitoring report. Before MW-04 was paved over in 2007, VOC contaminants were detected but concentrations were decreasing. ORC injections were completed in 2003. ORC sock was in installed in RXMW-10 in 2008. An e-mail was sent to S. Frank/ F. Ashkan/ V. Brevdo: I have reviewed a site turn-over status report and semi-annual monitoring report dated 1/24/2011. The report stated that the closed in-place and removed USTs are not registered with NYSDEC PBS. Necessary paperwork must be submitted to DEC PBS and PBS records should be reconciled. The City should submit all necessary applications without delay. A monitoring well MW-08 exhibited very high levels of naphthalene (690 ppb). In order to achieve closure, this contamination should be addressed. USTs closed in place could be a source of this contamination. AZ 4-26-2012 The following e-mail was sent to S. Frank/V.Brevdo/F. Ashkan: Dear Steve, I have reviewed a

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

Work Plan submitted for the above site and have the following comments: 1. Soil map should be included in the Work Plan. 2. Soil borings should be installed near wells MW-7, MW-9, MW-10 and MW-11, since there is no information regarding the soil contamination in these areas. 3. Tanks and piping, including the remote fill piping closed in place, should excavated, if feasible. 4. Only one boring could be installed next to monitoring well MW-8. 5. A catch basin should be investigated since it could be a source of free product in RXMW-1. Please submit modified Work Plan to DEC. Sincerely, Alex Zhitomirsky 5-1-2012 An e-mail was sent to S. Frank/F. Ashkan/V. Brevdo: Dear Steve, Four tanks were closed in place and three tanks were removed at this site. The tanks are not registered with DEC. LiRo is working with the facility to obtain additional tank information. Please make sure that when the tanks information is finalized, the tanks taken out of service are registered with DEC. AZ 12-26-2012 Reviewed semi-annual monitoring report dated September 4, 2012. Naphthalene was reported in the monitoring well MW-08 at a concentration of 530 ppb. Naphthalene concentrations fluctuate. Currently the cause of this fluctuation is unknown since the well is located about 85' southwest of the UST area and no naphthalene presently detected in the UST area wells. Spill #0550468 is assumed not to be the source. Additional investigation is required to determine if soil or groundwater is affecting the dissolved phase VOC contamination levels. Removal of four USTs and associated piping is scheduled for October 2012. The following e-mail was sent to S. Frank/F. Ashkan/V. Brevdo: Dear Steve, I have reviewed a semi-annual monitoring report dated September 5, 2012. The report stated that Naphthalene was reported in the monitoring well MW-08 at a concentration of 530 ppb and the concentrations fluctuate. Currently the cause of this fluctuation is unknown since the well is located about 85' southwest of the UST area and no Naphthalene presently detected in the UST area wells. LiRo proposed installation of two additional soil borings near MW-08 to confirm that the soil surrounding the well is the source of the Naphthalene contamination in groundwater. However, several wells in the vicinity of MW-08 have not been analyzed for Naphthalene. Prior to the installation of the new borings, all wells should be analyzed for the presence of Naphthalene. Also, LiRo did not update DEC on the progress of free product removal in wells RXMW-01 and MW--01. A progress report should be submitted to DEC without delay. A closure report and end-point sampling report should be submitted to DEC upon the scheduled removal of the seven (7) USTs. Sincerely, Alexander Zhitomirsky 1-28-2014 The following e-mail was sent to S. Frank and V. Brevdo: Dear Steve, I have reviewed a semi-annual report for this site dated July 10, 2013. Free phase product identified as hydraulic oil was detected in MW-09 in January 2013. On February 13, 2013, LiRo performed enhanced fluid recovery on monitoring well MW-09. During the excavation of the USTs in September 2012, one excavation pit water sample was collected. Analytical results reported VOC exeedances for all listed VOCs. During excavation and removal of seven USTs in September 2012, ten soil samples were collected and analyzed. Minor VOCs concentrations were reported. Since free phase product was observed at the site, semi-annual monitoring should be continued. Monitoring wells ME-02 and MW-11 could be removed from the current sampling program since no exceedances were reported during the past eight monitoring periods. Sincerely, Alexander Zhitomirsky 6-17-2014 Reviewed a semi-annual monitring report dated Dec. 16, 2013. The report stated that

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

groundwater sampling was performed on Spetember 5, 2013. Monitoring well MW-03 reported unusually TVOC concentrations, an order of magnitude increase in VOC when compared to the previous monitoring period. Two soil borings near MW-08 to a proposed depth of 20' were installed to confirm that soil is not the source of naphtalene contamination. Results will be presented in the next monitoring reports. AZ 10-29-2014 Reviewed a semi-annual monitoring report and spill closure report dated 6-10-2014. I called S. Frank and discussed the report. The following should be submitted by LiRo: 1. information regarding remote fills piping (closed in place), 2. area west of the tank field was not investigated. Information about this area should be submitted to DEC 3. Historical analytical data obtained from the destroyed wells should be submitted to DEC 4.Free phase map should be submitted to DEC. Free phase historical distribution at the site was not properly reflected in the report's figures. AZ 4-16-2015 Reviewed a spill closure request dated 1/22/2015. I contacted S. Frank and requested historical groundwater data for two previously destroyed wells. AZ 12-23-2015 Reviewed a spill closure request dated 8/3/2015. This spill was opened when free-phase product was encountered in in well MW-4 associated with the former fueling system of the 550-gallon USTs which were previously closed in place and subsequently removed in September 2012. MW-04 was destroyed and eventually replaced with the well RXMW-01. Free-phase product was absent from well RXMW-01 since March 2012. There is very little water at this well. The total VOC dissolved-phase concentrations over the five sampling events (since September 2012) has been less than 20 ppb and was not detected in April 2015. I discussed the site with S. Frank. I have reiterated questions asked in October 2014: 1. remote fills piping and remote fills are not indicated on the plan 2. it appears that the west side of the tanks was not investigated. AZ 1-4-2016 Email from S. Frank: Dear Alex, In response to the questions you asked about Coney Island Garage, please see below: 1). Where is the location of the fill port? Available historical documents do not indicate where the former fill ports were located, only the remote fill lines are shown with a terminus not specifically marked as the fill port. We will propose completing two borings along the historically mapped fill lines as shown on the attached plan. 2). There is no sampling locations west within the playground-How can we address? The current open Spill No. 0550468 relates to the former fueling system (the 550-gallon gasoline/diesel USTs) which were located to the east of the current tanks/dispenser (shown on attached site plan) and free-phase product formerly reported in well MW-04 (since replaced with RXMW-01). Monitoring wells MW-01, MW-02 and MW-03 are west of the former tanks and RWMW-01 and show no significant impacts. These wells are located between the spill source and the playground to the west. The adjacent Poseidon Playground surface cover is concrete, therefore there is no potential exposure pathway at the playground. Based on these conditions, we do not believe that additional wells or borings are required at the playground. Let me know if you have any further questions, Steve 9-28-2016 Reviewed a semi-annual monitoring report dated 3/4/2016. This spill number was created as a result of the free-phase product in well MW-04 associated with the former fueling system of the 550-gallon USTs which were previously closed-in-place. These former USTs were removed in September 2012.MW-04 was destroyed and replaced with RXMW-01. Free-phase product has been absent from well RXMW-01 since March 2012. AZ 3-27-2016 Reviewed a semi-annual monitoring report dated 8/5/2016. This spill number was created as a

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

result of the free-phase product in well MW-04 associated with the former fueling system of the 550-gallon USTs which were previously closed-in-place. These former USTs were removed in September 2012.MW-04 was destroyed and replaced with RXMW-01. In March 2016 LiRo proposed to advance two soil borings to address DEC's concerns. AZ 7-21-2017 Reviewed a semi-annual monitoring report dated 1/6/2017. This spill number was created as a result of the free-phase product in well MW-04 associated with the former fueling system of the 550-gallon USTs which were previously closed-in-place. These former USTs were removed in September 2012. MW-04 was destroyed and replaced with RXMW-01. Free phase in this well was absent since March 2012. There is very little groundwater impact at this well. The total VOC dissolved phase concentrations has been less than 20 ppb. In March 2016 LiRo proposed to advance two soil borings to address DEC's concerns regarding the former fill port and piping. In August 2016, the two soil borings were advanced to investigate the former fill port and piping. No VOC impacts were recorded. The adjacent Poseidon Playground surface cover is concrete, therefore, there is no potential exposure pathway at the playground. Based on the most recent soil and groundwater data, LiRo recommended closure of this spill. AZ 7-25-2017 The following e-mail was sent to S. Frank and V. Brevdo: Dear Steve, I have reviewed a Semi- Annual Report for the above site for the period of June 2016 to November 2016. The report stated that the former USTs were removed in September 2012. MW-04 was destroyed and replaced with RXMW-01. Free phase in this well was absent since March 2012. There is very little groundwater impact at this well. The total VOC dissolved phase concentrations have been less than 20 ppb. In March 2016 LiRo proposed to advance two soil borings to address DEC's concerns regarding the former fill port and piping. In August 2016, the two soil borings were advanced to investigate the former fill port and piping. No VOC impacts were recorded. The adjacent Poseidon Playground surface cover is concrete, therefore, there is no potential exposure pathway at the playground. Based on the most recent soil and groundwater data, LiRo recommended closure of this spill. Based on this information spill # 0550468 is closed. The Department hereby reserves all of its rights concerning, and such forbearance shall not extend to, any further investigation or remedial action the Department deems necessary due to: I. The off-site migration of petroleum contaminants that was unknown at the time of this closure. II. Environmental conditions related to this spill case which were unknown to the Department at the time of this closure. III. Information received, in whole or part, after the Department's spill case closure, which indicates that corrective action was not sufficiently protective of human health and/or the environment. IV. Fraud in obtaining this spill case closure determination. As a precaution, we must bring your attention to our concerns for the future use of this site. If subsurface contamination is encountered while excavating for any construction activity, appropriate remedial and vapor mitigation efforts may need to be taken to fully prevent vapor intrusion into any site development and to ensure human health and safety. This spill closure does not exempt the Responsible Parties from compliance with any applicable laws and regulations. Please be advised that you should maintain a permanent file of all documentation and correspondence regarding this case for future use as the Department's files may not be maintained indefinitely. Sincerely, Alex Zhitomirsky - Engineering Geologist 2 NYS Department of Environmental Conservation 47-40 21st Street, Long

CONEY ISLAND GARAGE DPR -DDC (Continued) **S106968831**

Island City, NY 11101 Phone: 718.482.6387 - Fax: 718.482.6390 Email: alexander.zhitomirsky@dec.ny.gov "
Remarks: ""

All Materials:
Site ID: 347726
Operable Unit ID: 1105408
Operable Unit: 01
Material ID: 1521231
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

M99 **CONEY ISLAND GARAGE** **NY Spills** **S108982563**
SE **WEST 25 & SURF AV** **N/A**
< 1/8 **BROOKLYN, NY**
0.053 mi.
278 ft. **Site 10 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

SPILLS:
Name: CONEY ISLAND GARAGE
Address: WEST 25 & SURF AV
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 0711419 / 2008-02-06
Facility ID: 0711419
Facility Type: ER
DER Facility ID: 342490
Site ID: 392899
DEC Region: 2
Spill Cause: Human Error
Spill Class: C4
SWIS: 2401
Spill Date: 2008-01-30
Investigator: smsanges
Referred To: Not reported
Reported to Dept: 2008-01-30
CID: 444
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: Not reported
UST Trust: Not reported
Remediation Phase: 0
Date Entered In Computer: 2008-01-30
Spill Record Last Update: 2008-02-06
Spiller Name: Not reported
Spiller Company: STAR ENERGY TRANSPORT
Spiller Address: Not reported
Spiller Company: 999

CONEY ISLAND GARAGE (Continued) **S108982563**

Contact Name: JOE
DEC Memo: "spill contained - all cleaned"
Remarks: "driver hooked up to wrong fill line and caused spill crew on scene cleaning: all concrete"

All Materials:
Site ID: 392899
Operable Unit ID: 1149875
Operable Unit: 01
Material ID: 2140439
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 10.00
Units: G
Recovered: .00
Oxygenate: Not reported

M100 **CONSTRUCTION SITE** **NY Spills** **S112226819**
SE **3026 W25TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.057 mi.
301 ft. **Site 11 of 12 in cluster M**

Relative:
Higher

Actual:
3 ft.

SPILLS:
Name: CONSTRUCTION SITE
Address: 3026 W25TH ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 1206177 / 2015-12-23
Facility ID: 1206177
Facility Type: ER
DER Facility ID: 423465
Site ID: 469168
DEC Region: 2
Spill Cause: Unknown
Spill Class: C4
SWIS: 2401
Spill Date: 2012-09-21
Investigator: adzhitom
Referred To: FREE PHASE FOUND INVESTIGATION REQUESTED
Reported to Dept: 2012-09-21
CID: Not reported
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2012-09-21
Spill Record Last Update: 2015-12-23
Spiller Name: GABE RAMOS
Spiller Company: NYC DEPT OF PARKS
Spiller Address: 3026 W25TH ST

CONSTRUCTION SITE (Continued) **S112226819**

Spiller Company: 999
Contact Name: WILLIAM KLEIN
DEC Memo: "5-21-2013 As per conversation with S. Sangesland, this spill was assigned to Alex Zhitomirsky 5-23-2013 Reviewed Underground Storage Tank Closure Report. Franklin removed seven USTs and associated piping. During sampling of the groundwater a strong odor was present and free-phase product was visible on the surface. Groundwater was encountered at 5.5 ft. bgs. Based on the evidence of petroleum leakeage, further soil and groundwater investigation was recommended. AZ The following e-mail was sent to S. Frank/F. Ashkan/v. BREVDO: Dear Steve, I have reviewed Underground Storage Tank Closure Report. Franklin removed seven USTs and associated piping. During sampling of the groundwater a strong odor was present and free-phase product was visible on the surface. Groundwater was encountered at 5.5 ft. bgs. Based on the evidence of petroleum leakage, further soil and groundwater investigation was recommended. This recommendation is approved. A Work Plan should be submitted to DEC for review. Sincerely, Alexander Zhitomirsky 11/17/13 TJD Spill #1208483 closed and cross-referenced to open spill file (1206177). 12-23-2015 Reviewed Semi-Annual Monitoring Report dated 8-3-2015. The spill was reported based on the tank closure results from a groundwater grab sample collected in September 2012. At that time, two 1,000 gallon diesel and one 1,000 gallon gasoline USTs were removed. Since 2006 no site wells have reported dissolved-phase contamination at levels reported in the tank closure groundwater grab sample. At the three monitoring wells surrounding the tank area (MW-01, MW-02 and MW-03) dissolved-phase contamination have ranged from non-detect to 268 ppb since October 2009. In April 2015 contaminant concentrations were non-detect.Based upon results of the sampling, LiRo recommended closure of spill # 1206177. DEC concurred with this request. The following letter was sent to S. Frank and V. Brevdo: Dear Steve, I have reviewed the Semi-Annual Monitoring Report dated 08/3/2015. The spill was reported based on the tank closure results from a groundwater grab sample collected in September 2012. At that time, two 1,000 gallon diesel and one 1,000 gallon gasoline USTs were removed. Since 2006 no site wells have reported dissolved-phase contamination at levels reported in the tank closure groundwater grab sample. At the three monitoring wells surrounding the tank area (MW-01, MW-02 and MW-03) dissolved-phase contamination have ranged from non-detect to 268 ppb since October 2009. During April 2015 sampling event contaminant concentrations were non-detect. Based upon results of the sampling, LiRo recommended closure of spill # 1206177. I concur with this request. The Department hereby reserves all of its rights concerning, and such forbearance shall not extend to, any further investigation or remedial action the Department deems necessary due to: I. The off-site migration of petroleum contaminants that was unknown at the time of this closure. II. Environmental conditions related to this spill case which were unknown to the Department at the time of this closure. III. Information received, in whole or part, after the Department's spill case closure, which indicates that corrective action was not sufficiently protective of human health and/or the environment. IV. Fraud in obtaining this spill case closure determination. As a precaution, we must bring your attention to our concerns for the future use of this site. If subsurface contamination is encountered while excavating for any construction activity, appropriate remedial and vapor mitigation efforts may need to be taken to fully prevent vapor intrusion into

CONSTRUCTION SITE (Continued) **S112226819**

any site development and to ensure human health and safety. This spill closure does not exempt the Responsible Parties from compliance with any applicable laws and regulations. Please be advised that you should maintain a permanent file of all documentation and correspondence regarding this case for future use as the Department's files may not be maintained indefinitely. Sincerely, Alex Zhitomirsky - Engineering Geologist 2 "

Remarks: "Digging at construction site and discovered old tank with soil contaminated with Gas or Diesel fuel. Tanks are being removed."

All Materials:

Site ID:	469168
Operable Unit ID:	1219065
Operable Unit:	01
Material ID:	2217528
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

O101 **NYCHA - SURFSIDE GARDENS HOUSES** **RCRA NonGen / NLR** **1001493635**
ESE **2926 W 25TH ST** **FINDS** **NYR000075267**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.058 mi.
305 ft. **Site 5 of 5 in cluster O**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - SURFSIDE GARDENS HOUSES	
Handler Address:		2926 W 25TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224-2516
EPA ID:		NYR000075267
Contact Name:		FRANK OCELLO
Contact Address:		BROADWAY
Contact City,State,Zip:		NEW YORK, NY 10007-2516
Contact Telephone:		212-306-3229
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007-2516
Owner Name:	NYCHA	
Owner Type:		Municipal
Operator Name:	NYCHA	

NYCHA - SURFSIDE GARDENS HOUSES (Continued) **1001493635**

Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

NYCHA - SURFSIDE GARDENS HOUSES (Continued) **1001493635**

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060101
Handler Name:	NYCHA - SURFSIDE GARDENS HOUSES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date: 20070101

NYCHA - SURFSIDE GARDENS HOUSES (Continued) **1001493635**

Handler Name: NYCHA - SURFSIDE GARDENS HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990812
Handler Name: NYCHA - SURFSIDE GARDENS HOUSES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004555552

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001493635
Registry ID: 110004555552
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004555552
Name: NYCHA - SURFSIDE GARDENS HOUSES

NYCHA - SURFSIDE GARDENS HOUSES (Continued) **1001493635**

Address: 2926 W 25TH ST
City,State,Zip: BROOKLYN, NY 11224

P102 **NYNEX** **NY MANIFEST** **1009233317**
NNE **W 27TH ST & NEPTUNE AVE** **N/A**
< 1/8 **BROOKLYN, NY 11201**
0.062 mi.
325 ft. **Site 1 of 2 in cluster P**

Relative: **Lower**
Actual: **1 ft.**

NY MANIFEST:

Name:	NYNEX
Address:	W 27TH ST & NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11201
Country:	USA
EPA ID:	NYP000913533
Facility Status:	Not reported
Location Address 1:	W 27TH ST & NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11201
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP000913533
Mailing Name:	NYNEX
Mailing Contact:	J CHAKALOS
Mailing Address 1:	1095 AVE OF AMER-RM 3025
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10036
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2123958544

M103 **HABER HOUSES (CAREY GARDENS)** **NY LTANKS** **U001840667**
SE **3033 WEST 25TH STREET** **NY UST** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY Spills**
0.062 mi.
329 ft. **Site 12 of 12 in cluster M**

Relative: **Higher**
Actual: **3 ft.**

LTANKS:

Name:	HABER HOUSES -NYCHA
Address:	3033 WEST 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9608836 / 2005-10-24
Facility ID:	9608836
Site ID:	196664
Spill Date:	1996-10-16
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	Not reported

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

SWIS:	2401
Investigator:	SWKRASZE
Referred To:	Not reported
Reported to Dept:	1996-10-16
CID:	270
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1996-10-16
Spill Record Last Update:	2005-10-24
Spiller Name:	DAVE FORTE
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	DAVE FORTE
Spiller Phone:	(212) 306-3233
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	163711
DEC Memo:	"10/24/05: This spill closed to consolidate with open spill #9900570. S.Kraszewski"
Remarks:	"no comments"

All TTF:

Facility ID:	9608836
Spill Number:	9608836
Spill Tank Test:	1544817
Site ID:	196664
Tank Number:	1
Tank Size:	25010
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	196664
Operable Unit ID:	1036977
Operable Unit:	01
Material ID:	344573
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

Recovered: .00
Oxygenate: Not reported

UST:
Name: HABER HOUSES (CAREY GARDENS)
Address: 3033 WEST 25TH STREET
City,State,Zip: BROOKLYN, NY 11224
Id/Status: 2-473928 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 03/28/2024
UTM X: 585376.48916
UTM Y: 4491790.92977
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20864
Affiliation Type: Facility Owner
Company Name: NYC HOUSING AUTHORITY
Contact Type: COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5806
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2021-06-17

Site Id: 20864
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: FUEL OIL REMEDIATION COORDINATOR
Address1: 23-02 49TH AVENUE
Address2: TECH SERVS DEPT - 5TH FLOOR
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: RYAN.MCPHERSON@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: LXZIELIN
Date Last Modified: 2020-05-01

Site Id: 20864
Affiliation Type: Facility Operator
Company Name: HABER HOUSES (CAREY GARDENS)
Contact Type: Not reported
Contact Name: FUEL OIL REMEDIATION UNIT

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2014-01-31

Site Id:	20864
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	718-707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2008-12-31

Tank Info:

Tank Number:	1
Tank ID:	57253
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	10000
Install Date:	05/01/1999
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

E04 - Piping Secondary Containment - Double walled UG
C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
B04 - Tank External Protection - Fiberglass
I02 - Overfill - High Level Alarm

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
F05 - Pipe External Protection - Jacketed
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Number:	OLD 1
Tank ID:	37553
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	25000
Install Date:	10/01/1965
Date Tank Closed:	05/01/1999
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	02/01/1991
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

SPILLS:

Name:	HABER HOUSES -NYCHA
Address:	3033 WEST 25TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9900570 / 2016-01-27
Facility ID:	9900570
Facility Type:	ER
DER Facility ID:	163711
Site ID:	205913
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	2401
Spill Date:	1999-04-15

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

Investigator:	jkkann
Referred To:	CLOSURE POSSIBLE. NEED REVISED TABLES
Reported to Dept:	1999-04-15
CID:	270
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-04-15
Spill Record Last Update:	2016-01-27
Spiller Name:	CALLER
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	250 BROADWAY
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Transferred from Krimgold to Kolleeny on 3/24/05. - JK 11/29/05: This spill transferred from J.Kolleeny to S.Kraszewski. 02/02/06: This spill transferred from S.Kraszewski to Q.Abidi. 04/04/06: This spill transferred from Q. Abidi to Koon Tang. 09/23/10: J.Kann - spill transferred from K. Tang to J.Kann. 3/10/11: J.Kann - Investigative work plan submitted on 3/3/11. 5/14/15: J.Kann - IWP approved. One soil sample per boring for analysis and min 3 groundwater samples. SIR due 11/14/15. 10/14/15: J.Kann -site included in the NYCHA Sandy recovery list and is slated for UST removal. Brief summary provided to Thomas Larison 518-785-2361 of CBI today in an email. 1/5/16: J.Kann - spoke with Tyler Goodnough of Ecosystem Strategies (845-452-1658) on 12/7 regarding this spill. Originally he did not collect groundwater samples at the site, however some minor contamination was in the laboratory data. I informed him that groundwater samples were to be taken regardless of field observations as per my email to NYCHA on 5/14/15. Tyler agreed to go out and collect groundwater samples from the two locations where minor exceedences were noted. The Summary Report of Subsurface Investigation was submitted to the Department on 1/4/16 and is under review. Sent an email to the consultant to revise the tables in the report to reflect the correct sampling date. Four borings were advanced and two temporary wells installed. Minor PAH exceedences were present in the soil borings, but groundwater did not have any exceedences of TOGS 1.1.1. NFA once revised tables are received. 1/6/16: J.Kann - revised tables were received and report decdoced. Tank/primary source removal occurred in 1999 and no impact to groundwater from current investigation as mentioned above. In addition, no field screening indicated petroleum contamination (no PID readings, odors or sheen on soils). 1/26/16: J.Kann - spill closed. 1/26/16: J.Kann "
Remarks:	"contaminated soil discovered during tank pull"

All Materials:

Site ID:	205913
Operable Unit ID:	1079330
Operable Unit:	01
Material ID:	307699
Material Code:	0001A

HABER HOUSES (CAREY GARDENS) (Continued) **U001840667**

Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Q104 **POLE 63537** **NY Spills** **S106867172**
East **2877 W 27 ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.064 mi.
338 ft. **Site 1 of 2 in cluster Q**

Relative: **Lower**

Actual: **2 ft.**

SPILLS:

Name:	POLE 63537
Address:	2877 W 27 ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0412990 / 2005-06-01
Facility ID:	0412990
Facility Type:	ER
DER Facility ID:	273954
Site ID:	338612
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2005-03-13
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	2005-03-13
CID:	64
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-03-14
Spill Record Last Update:	2005-06-01
Spiller Name:	ERT DESK
Spiller Company:	Con Ed
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	ERT DESK
DEC Memo:	"e2mis no 157572 3/13/05 - 1805hrs - John Dalessio # 75894 Trouble Shooter HV #9 found 1 qt oil leaked from Transformer on Pole # 63537. Upon arrival no Fire Dept on location - although Fire Dept did rope off area and secured same. No sewers or waterways appear to be affected. Substance owned by ConEd. It appears that a 3'x15' area of concrete has been affected by this spill and Env. Ops crew is being dispatched to start cleanup. Addtl #9 crew dispatched to location to assist in securing the transformer by checking manufacturers tag on tub and to bag same. Env. Ops OS A. Walker notified and will go to

POLE 63537 (Continued) **S106867172**

location. Update - 2010hrs Dalessio reports states mfr tags on tub reads mineral oil <1 ppm pcb date is 10/89 serial Kuhlman # 4023100789. Tub has been bagged. Leak is secured. Tub will be removed at a later time. Clean up in progress by env. ops. UPDATE: 3/14/05 - 2300 S. ADEDAPO - ENV. OPS., REPORTS CLEANUP COMPLETED BY DOUBLE WASHING AREA WITH BIO GEN 760. INCIDENT REMAINS OPEN UNTIL TRANSFORMER IS REPLACED UPDATE 15-MAR-2005 14:00 HRS. O.S. S.NICOLELLA EMP# 32192 REPORTS: CREW BAGGED / REMOVED DEFECTIVE 3 PHASE 150 TRANSFORMER FROM EQUIPTMENT POLE# 63537 . UNIT WAS TRANSPORTED TO NEPTUNE YARD. CLEANUP COMPLETE 100%. "

Remarks: "Cleanup pending crew arrival."

All Materials:

Site ID:	338612
Operable Unit ID:	1100547
Operable Unit:	01
Material ID:	580839
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

105
WSW
< 1/8
0.067 mi.
356 ft.

MANHOLE 67445 **NY Spills** **S104192836**
WEST 32ND ST &MERMAID AV **N/A**
BROOKLYN, NY

Relative: Higher

Actual: 10 ft.

SPILLS:

Name:	MANHOLE 67445
Address:	WEST 32ND ST &MERMAID AV
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9904503 / 2002-04-04
Facility ID:	9904503
Facility Type:	ER
DER Facility ID:	106251
Site ID:	122561
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	1999-07-16
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-07-16
CID:	388
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False

MANHOLE 67445 (Continued) **S104192836**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-07-16
Spill Record Last Update:	2002-04-04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL "
Remarks:	"caller reports sheen on water in the manhole. con ed #126548 sample taken cleanup pending."

All Materials:

Site ID:	122561
Operable Unit ID:	1078942
Operable Unit:	01
Material ID:	304383
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

R106 **SURF AVE & W 32ND ST** **NY Spills** **S102239763**
SSW **SURF AVE & W 32ND ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.069 mi.
363 ft. **Site 1 of 2 in cluster R**

Relative: **Higher**

Actual: **5 ft.**

SPILLS:

Name:	SURF AVE & W 32ND ST
Address:	SURF AVE & W 32ND ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9601008 / 2004-08-17
Facility ID:	9601008
Facility Type:	ER
DER Facility ID:	92369
Site ID:	104568
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1996-04-20
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1996-04-20
CID:	207
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False

SURF AVE & W 32ND ST (Continued) **S102239763**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-04-20
Spill Record Last Update:	2004-08-17
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	MR FRIER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT 8/17/04: Con Ed submitted copy of April 19, 1996 DEP notification letter, which states: 1 pt. of oil from an unknown source (possibly from a retired 4KV switch). Absorbent pads are used to contain and remove oil from M/H. **** UPDATE 04/21/96 0216 Hrs: Analysis returned with <lppm PCB's **** Update 04/21/96 0500 Hrs: Cleanup completed at 0445 Hrs. Close out. (JHO)"
Remarks:	"poss from retired 4kv switch - product was in a tidal affected manhole - 1 qt total - cleanup in progress "

All Materials:

Site ID:	104568
Operable Unit ID:	1028644
Operable Unit:	01
Material ID:	350840
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

S107 **CON EDISON - MANHOLE 36378** **RCRA-LQG** **1016150011**
NW **2930 NEPTUNE AVE** **NYP004286803**
< 1/8 **BROOKLYN, NY 11224**
0.077 mi.
406 ft. **Site 1 of 3 in cluster S**

Relative: **Higher**
Actual: **5 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 36378
Handler Address:	2930 NEPTUNE AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004286803
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator

CON EDISON - MANHOLE 36378 (Continued) **1016150011**

Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

CON EDISON - MANHOLE 36378 (Continued) **1016150011**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130201
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130201
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140327
Handler Name:	CON EDISON - MANHOLE 36378
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

CON EDISON - MANHOLE 36378 (Continued) **1016150011**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130201
Handler Name: CON EDISON MANHOLE: 36378
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

S108 **CON EDISON** **NY MANIFEST** **S119073524**
NW **2930 NEPTUNE AVE FRONT OF** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.077 mi.
406 ft. **Site 2 of 3 in cluster S**

Relative: Higher
Actual: 5 ft.

NY MANIFEST:
Name: CON EDISON
Address: 2930 NEPTUNE AVE FRONT OF
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004286803
Facility Status: Not reported
Location Address 1: 2930 NEPTUNE AVE
Code: BP
Location Address 2: MH 36378
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11218
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004286803
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE - 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK

CON EDISON (Continued) **S119073524**

Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/01/2013
Trans1 Recv Date:	02/01/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/05/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004286803
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002016008GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	600
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

109 ESE < 1/8 0.081 mi. 430 ft. | **MANHOLE #36348**
W 25TH ST & MERMAID AVE
STATEN ISLAND, NY | **NY Spills** | **S105236716**
N/A

Relative: Lower

Actual: 2 ft.

SPILLS:

Name:	MANHOLE #36348
Address:	W 25TH ST & MERMAID AVE
City,State,Zip:	STATEN ISLAND, NY
Spill Number/Closed Date:	0109293 / 2002-02-19
Facility ID:	0109293
Facility Type:	ER
DER Facility ID:	134276
Site ID:	158893
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	4301
Spill Date:	2001-12-19
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	2001-12-20
CID:	257
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-20
Spill Record Last Update:	2002-02-19
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BILL MURPHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL "
Remarks:	"2 quarts on 200 gals of water - sample taken - claen pending a tanker to pump manhole ref #140634 - was place on 24hr program at 7:30 today "

All Materials:

Site ID:	158893
Operable Unit ID:	847655
Operable Unit:	01
Material ID:	530503
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

T110 **POLE 20462** **NY Spills** **S106970549**
West **OPP 2867 W 32 ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.084 mi.
441 ft. **Site 1 of 3 in cluster T**

Relative:
Higher

Actual:
10 ft.

SPILLS:

Name:	POLE 20462
Address:	OPP 2867 W 32 ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0505838 / 2005-10-12
Facility ID:	0505838
Facility Type:	ER
DER Facility ID:	298026
Site ID:	350939
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2005-08-11
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	2005-08-11
CID:	64
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-08-12
Spill Record Last Update:	2005-10-12
Spiller Name:	ERT DESK
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	ERT DESK’
DEC Memo:	"160439. 8/11/05 2030 HRS. W.BINGHAM #15472 O.S. #9 REPORTS FOUND TRANSFOMER ON P#20462 LEAKED APPROX 1-QUART OF DIELECTRIC FLUID ONTO ASPHALT AT OPP 2867 W 32 ST. IT IS CONTAINED. NO SEWERS OR WATERWAYS AFFECTED. NO FIRE OR SMOKE OR PRIVATE PROPERTY INVOLVED. TRANSFORMER NOT LEAKING AT THIS TIME. WAITING FOR #9 CREW TO CHECK TRANSF FOR PCB LABEL. Closed. 10-12-05. see eDocs. GB"
Remarks:	"1 quart. Environmental crews being dispatched. 160439= con ed number."

All Materials:

Site ID:	350939
Operable Unit ID:	1108476
Operable Unit:	01
Material ID:	2098416
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G

POLE 20462 (Continued) **S106970549**

Recovered: .00
Oxygenate: Not reported

S111 **OVERHEAD POLE 69014** **NY Spills** **S111064942**
NW **2822 WEST 30TH ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.091 mi.
478 ft. **Site 3 of 3 in cluster S**

Relative: **Higher**
Actual: **6 ft.**

SPILLS:

Name:	OVERHEAD POLE 69014
Address:	2822 WEST 30TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1103086 / 2011-08-11
Facility ID:	1103086
Facility Type:	ER
DER Facility ID:	405196
Site ID:	450635
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2011-06-17
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2011-06-17
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2011-06-17
Spill Record Last Update:	2011-08-11
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"8/11/11 - Austin - 2 gal. trans. fluid spill onto sidewalk from pole transformer - Con Ed contained and cleaned up the spill - See eDocs documents for more information - Spill closed - end"
Remarks:	"cleanup pending - all on concrete -"

All Materials:

Site ID:	450635
Operable Unit ID:	1200839
Operable Unit:	01
Material ID:	2197261
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum

OVERHEAD POLE 69014 (Continued) **S111064942**

Quantity: 2.00
Units: G
Recovered: Not reported
Oxygenate: Not reported

Q112 **CON EDISON** **NY MANIFEST** **S117738092**
East **MERMAID AVE AND W 25 ST** **N/A**
< 1/8 **BROOKLYN, NY 11235**
0.092 mi.
488 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:
Name: CON EDISON
Address: MERMAID AVE AND W 25 ST
City,State,Zip: BROOKLYN, NY 11235
Country: USA
EPA ID: NYP004703559
Facility Status: Not reported
Location Address 1: MERMAID AVE AND W 25 ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11235
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004703559
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING PL
Mailing Address 2: 15TH FL
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 12/05/2014
Trans1 Recv Date: 12/05/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/10/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004703559
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NJD991291105

CON EDISON (Continued) **S117738092**

TSDF ID 2:	Not reported
Manifest Tracking Number:	002618642GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	3000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

P113 **FIRE HOUSE ENG. 318** **NY AST** **A100177833**
NE **2510 NEPTUNE AVENUE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.095 mi.
503 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
1 ft.

AST:

Name:	FIRE HOUSE ENG. 318
Address:	2510 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-600520
Program Type:	PBS
UTM X:	585228.60826
UTM Y:	4492389.39899
Expiration Date:	N/A
Site Type:	Other

Affiliation Records:

Site Id:	22501
Affiliation Type:	Facility Owner
Company Name:	NYC FIRE DEPARTMENT
Contact Type:	Not reported

FIRE HOUSE ENG. 318 (Continued) **A100177833**

Contact Name:	Not reported
Address1:	30-30 THOMPSON STREET
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 391-1064
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	22501
Affiliation Type:	Mail Contact
Company Name:	BUILDINGS MAINTENANCE DIVISION
Contact Type:	Not reported
Contact Name:	DIRECTOR
Address1:	FIRE DEPARTMENT
Address2:	48-34 35TH STREET
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 784-6510
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	22501
Affiliation Type:	Facility Operator
Company Name:	FIRE HOUSE ENG. 318
Contact Type:	Not reported
Contact Name:	COMPANY OFFICER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 965-8318
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	22501
Affiliation Type:	Emergency Contact
Company Name:	NYC FIRE DEPARTMENT
Contact Type:	Not reported
Contact Name:	EOC/NOTIFICATION DESK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

FIRE HOUSE ENG. 318 (Continued) **A100177833**

Country Code:	999
Phone:	(718) 999-2094
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2018-03-12

Tank Info:

Tank Number:	002
Tank Id:	42897
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	diesel

Tank Number:	1
Tank Id:	42896
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

FIRE HOUSE ENG. 318 (Continued) **A100177833**

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/01/1976
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/01/2001
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

U114 **CON EDISON** **NY MANIFEST** **S117737527**
ESE **3000 W 24TH ST** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.100 mi.
526 ft. **Site 1 of 9 in cluster U**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	3000 W 24TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004661005
Facility Status:	Not reported
Location Address 1:	3000 W 24TH ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004661005
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported

CON EDISON (Continued) **S117737527**

Generator Ship Date:	09/18/2014
Trans1 Recv Date:	09/18/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/18/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004661005
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002617401GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

U115 **CON EDISON** **NY MANIFEST** **S117318046**
SE **2410 SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.102 mi.
540 ft. **Site 2 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

NY MANIFEST:

Name:	CON EDISON
Address:	2410 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004655387
Facility Status:	Not reported
Location Address 1:	2410 SURF AVE
Code:	BP

CON EDISON (Continued) **S117318046**

Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004655387
Mailing Name:	CON EDISON
Mailing Contact:	TOM TELLING
Mailing Address 1:	4 IRVING PLACE-15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	09/11/2014
Trans1 Recv Date:	09/11/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004655387
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	013243931JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1500

CON EDISON (Continued) **S117318046**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

U116 **NOTH CRAB COMPARTMENT** **NY Spills** **S103939035**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 3 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	NOTH CRAB COMPARTMENT
Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903685 / 2000-05-18
Facility ID:	9903685
Facility Type:	ER
DER Facility ID:	127109
Site ID:	149422
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-06
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL Con ed e2mis notes: He found approx. 1 oz unknown oil on 2000 gallons of water. <1.00 ppm Cleanup complete and tag removed. Incident is closed. "
Remarks:	"CLEANUP PENDING SAMPLE RESULTS."

NOTH CRAB COMPARTMENT (Continued) **S103939035**

All Materials:

Site ID:	149422
Operable Unit ID:	1082603
Operable Unit:	01
Material ID:	303594
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U117 **TRANSFORMER VAULT VS5808** **NY Spills** **S103939033**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 4 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	TRANSFORMER VAULT VS5808
Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903683 / 2000-05-18
Facility ID:	9903683
Facility Type:	ER
DER Facility ID:	127109
Site ID:	149420
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-07
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL Con ed e2mis notes: Approx 1 oz unknown oil on 1800 gallons

TRANSFORMER VAULT VS5808 (Continued) **S103939033**

of water. Transf tested good, transf pcb record is 10 ppm. <1ppm lab. Cleanup complete and tag removed. Incident is closed. Approx 1 oz unknown oil on 1800 gallons of water. He pressure tested transf and transf tested good. Transf pcb record is 10 ppm. <1ppm cleanup completed and tag removed. Incident is closed. A liquid sample was taken. "

Remarks: "CLEANUP PENDING SAMPLE RESULTS."

All Materials:

Site ID:	149420
Operable Unit ID:	1078248
Operable Unit:	01
Material ID:	303592
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U118 **VS 5762** **NY Spills** **S106736172**
ESE **WEST 24TH /SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 5 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	VS 5762
Address:	WEST 24TH /SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0410239 / 2005-04-22
Facility ID:	0410239
Facility Type:	ER
DER Facility ID:	270381
Site ID:	335158
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2004-12-14
Investigator:	SKARAKHA
Referred To:	Not reported
Reported to Dept:	2004-12-15
CID:	444
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-12-15
Spill Record Last Update:	2005-04-22

VS 5762 (Continued) **S106736172**

Spiller Name:	ERT DESK
Spiller Company:	VS 5762
Spiller Address:	WEST 24TH /SURF AVE
Spiller Company:	001
Contact Name:	ERT DESK
DEC Memo:	"e2mis 156570 12/14/05 - 0925 K. DAVIS REPORTS FINDING APPROX 3 PTS OF AN UNKNOWN OIL ON APPROX 3000 GALS OF WATER IN VS5762 (FDR 11B09). SPILL IS CONTAINED. NO SEWERS OR WATERWAYS AFFECTED. NO SEWER CONNECTIONS. NO SUMPS. NO MOVEMENT IN THE WATER. TRANSF WAS INSTALLED 2/2/94. HISTORICAL PCB COUNT IS 9 PPM DTD 5/7/95. OIL LEVEL IS 25+. TEMP IS 30. TRANSFORMER IS PRESENTLY BEINBG PRESSURE TESTED. Lab Sequence Number: 04-10380-001 - PCBs < 1 ppm UPDATE: 12/15/04 - 1500 D. BANKHEAD - ENV. OPS., REPORTS CLEANUP COMPLETED BY DOUBLE WASHING STRUCTURE WITH BIO GEN 760. LIQUID WASTE REMOVED BY TANKER. SUMP FOUND CEMENTED. TAG REMOVED."
Remarks:	"3 pints unknown oil on 3000 gallons of water: no to 5 questions; while cleaning up it filled up to fast, pending additional resourses: coned # 156570: coming off 24 hour clock"

All Materials:

Site ID:	335158
Operable Unit ID:	1097263
Operable Unit:	01
Material ID:	577236
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U119 **TRANSFORMER VAULT #VS576** **NY Spills** **S103939031**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 6 of 9 in cluster U**

Relative: **Higher**
Actual: **3 ft.**

SPILLS:

Name:	TRANSFORMER VAULT #VS576
Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903681 / 2000-05-18
Facility ID:	9903681
Facility Type:	ER
DER Facility ID:	127109
Site ID:	149418
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252

TRANSFORMER VAULT #VS576 (Continued) **S103939031**

Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-06
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL con ed e2mis notes: 1 oz unknown oil on 1800 gallons water. He pressure tested transf and it tested ok. Record of pcb is 9ppm. <1ppm lab seq 3 99-06815. Cleanup complete incident is closed. He sees no sump or sewer connection. Starting cleanup. Cleanup complete and tag removed. Incident is closed. "
Remarks:	"CLEAN UP PENDING SAMPLE RESULTS."

All Materials:

Site ID:	149418
Operable Unit ID:	1078246
Operable Unit:	01
Material ID:	303590
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U120 **VAULT #5747** **NY Spills** **S103829530**
ESE **W 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 7 of 9 in cluster U**

Relative: **Higher**

Actual: **3 ft.**

SPILLS:

Name:	VAULT #5747
Address:	W 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9815441 / 1999-04-14
Facility ID:	9815441
Facility Type:	ER
DER Facility ID:	185156
Site ID:	224009
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401

VAULT #5747 (Continued) **S103829530**

Spill Date:	1999-03-29
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1999-03-29
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-03-29
Spill Record Last Update:	2000-06-19
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	STEVE ROMERO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL CON ED E2MIS NOTES Undiaperable sheen of oil found on 350 gals. of water in V5747. Contained. No sewers or waterways affected. sample taken on a 4-6 hr. turnaround, unit pressure tested, ok. Tag #08247 placed. Crew sent to locaton for transformer removal. 3-30-99 18:42 Flush OPS reports cleanup complete and tag removed. Incident Closed."
Remarks:	"MATERIAL CONTAINED IN MANHOLE IN VAULT-PENDING TEST RESULTS CLEANUP WILL TAKE PLACE-CON ED #123926"

All Materials:

Site ID:	224009
Operable Unit ID:	1073455
Operable Unit:	01
Material ID:	308547
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U121 **SOUTH CRAB COMPARTMENT** **NY Spills** **S103939034**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 8 of 9 in cluster U**

Relative: SPILLS:
Higher

Actual: Name:	SOUTH CRAB COMPARTMENT
3 ft. Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903684 / 2000-05-18
Facility ID:	9903684

SOUTH CRAB COMPARTMENT (Continued) **S103939034**

Facility Type:	ER
DER Facility ID:	127109
Site ID:	149421
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-06
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT con ed e2mis notes: Approx. 1 oz unknown oil on 3000 gallons of water. <1.00 ppm. Env. Ops. reports <1.0 ppm cleanup complete and tag removed. Incident is closed. "
Remarks:	"CLEAN UP PENDING SAMPLE RESULTS."

All Materials:

Site ID:	149421
Operable Unit ID:	1078249
Operable Unit:	01
Material ID:	303593
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U122 **TRANSFORMER VAULT VS5747** **NY Spills** **S103939032**
ESE **WEST 24TH ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.109 mi.
574 ft. **Site 9 of 9 in cluster U**

Relative:
Higher

Actual:
3 ft.

SPILLS:

Name:	TRANSFORMER VAULT VS5747
Address:	WEST 24TH ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9903682 / 2000-05-18
Facility ID:	9903682
Facility Type:	ER
DER Facility ID:	127109
Site ID:	149419
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1999-06-30
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1999-06-30
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-30
Spill Record Last Update:	2000-06-06
Spiller Name:	UNKNOWN
Spiller Company:	Unknown
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	FRANK MASSERIA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT con ed e2mis notes: approx 1 oz unknown oil on 1800 gallons of water. He pressure tested transf. Tranf pcb record is 12 ppm. <1ppm, cleanup complete, incident is closed. "
Remarks:	"CLEANUP PENDING SAMPLE RESULTS."

All Materials:

Site ID:	149419
Operable Unit ID:	1078247
Operable Unit:	01
Material ID:	303591
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

V123 **O'DWYER GARDENS (SURFSIDES)** **NY LTANKS** **U000410712**
SW **2959 WEST 33RD STREET** **NY UST** **N/A**
< 1/8 **BROOKLYN, NY 11224** **NY Spills**
0.112 mi.
592 ft. **Site 1 of 7 in cluster V**

Relative:
Higher

Actual:
8 ft.

LTANKS:

Name:	O'DWYER GARDENS -NYCHA
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9107041 / 1995-04-26
Facility ID:	9107041
Site ID:	148893
Spill Date:	1991-10-01
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1995-04-26
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1991-10-01
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1991-10-04
Spill Record Last Update:	2005-12-20
Spiller Name:	MR CARTER
Spiller Company:	NYCHA
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	167749
DEC Memo:	""
Remarks:	"REPAIR & RETEST. SEE SPILL # 9415851"

All TTF:

Facility ID:	9107041
Spill Number:	9107041
Spill Tank Test:	1539117
Site ID:	148893
Tank Number:	Not reported
Tank Size:	0
Material:	0008
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 148893
Operable Unit ID: 961283
Operable Unit: 01
Material ID: 419274
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: -1.00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: O'DWYER HOUSES
Address: 2959 WEST 33RD STREET
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9315460 / 1995-04-26
Facility ID: 9315460
Site ID: 201620
Spill Date: 1991-09-18
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C3
Cleanup Ceased: 1995-04-26
SWIS: 2401
Investigator: HEALY
Referred To: Not reported
Reported to Dept: 1994-03-30
CID: Not reported
Water Affected: Not reported
Spill Notifier: DEC
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1994-04-05
Spill Record Last Update: 1995-04-26
Spiller Name: Not reported
Spiller Company: NYCHA - JOE MONTELLA
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 167749
DEC Memo: ""
Remarks: "LEAK RATE OF 0.07 GPH - REPORTED AS PASSED BY TESTER. SEE SPILL # 9416977"

All TTF:

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Facility ID:	9315460
Spill Number:	9315460
Spill Tank Test:	1542565
Site ID:	201620
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	201620
Operable Unit ID:	993566
Operable Unit:	01
Material ID:	387212
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

Name:	O'DWYER HOUSES
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9315461 / 1995-04-26
Facility ID:	9315461
Site ID:	201621
Spill Date:	1992-03-28
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1995-04-26
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1994-03-30
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-04-05

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Spill Record Last Update:	1995-04-26
Spiller Name:	Not reported
Spiller Company:	NYCHA - JOE MONTELLA
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	167749
DEC Memo:	""
Remarks:	"LEAK RATE OF 0.09 GPH - REPORTED AS PASSED BY TESTER. SEE SPILL # 9415851"

All TTF:

Facility ID:	9315461
Spill Number:	9315461
Spill Tank Test:	1542566
Site ID:	201621
Tank Number:	002
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	201621
Operable Unit ID:	993567
Operable Unit:	01
Material ID:	387213
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

Name:	O'DWYER GARDENS -NYCHA
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9415851 / Not Reported
Facility ID:	9415851
Site ID:	201622
Spill Date:	1995-03-07
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	AAOBLIGA
Referred To:	WP SUBMITTED 2/28/12
Reported to Dept:	1995-03-07
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	1995-03-08
Spill Record Last Update:	2021-05-03
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	167749
DEC Memo:	"12/20/05: This spill transferred from J.Kolleeny to S.Kraszewski. 09/01/06: DEC Lead for this spill changed from unassigned to S. Kraszewski. - J. Kolleeny 02/09/07 - J.Kann - Spill reassigned from S.Kraszewski to J.Kann. 01/15/08- J.Kann - Spill consolidated with closed spill 9416977. 03/1/12: J.kann - iwp submitted 2/28/12 and edoced today. 10/14/15: J.Kann- site included in the NYCHA Sandy recovery list and is slated for UST removal. Brief summary provided to Thomas Larison 518-785-2361 of CBI today in an email. 4/27/16: J.Kann - the following email was sent to NYCHA on 1/17/16: Yelena- I am reviewing the investigative work plan (Plan) for O'Dwyer Houses prepared by Gannett Fleming. Based on review of my files and the Plan, there seems to be a discrepancy. The Plan includes an investigation around spill 9011619 (2950 West 33rd? or 35th) and not spill 9415851 (2959 West 33rd Street). Spill 9011619 for O'Dwyer Houses and the 15,000 gallon UST was already investigated and closed. Spill 9415851 still needs to be investigated (the area around (2) removed 30,000 gallon tanks). It appears they were replaced with a 20,000 gallon UST in 2000. The investigation around these USTs is not included in the Plan. The Plan will need to be revised to investigate the area around the former 30,000 gallon USTs. If you have any additional knowledge about the site that could help clarify this, please call to discuss. We may need to do a site visit to confirm the area to be investigated. Thanks -Jennifer 06/05/2017: J.Kann - Spill reassigned to Andre Obligado. 5/3/21 - Obligado - I received an email dated 4/30/21 from Ryan McPherson at NYCHA. the GC MLJ has recently encountered oil/petroleum like material during their trenching and excavation at the O Dwyer new Building 8 (OG8) location. MLJ is currently running a test and are awaiting the report. MLJ also uncovered some brick structure which they would like to suspect / claim that it could be part of an underground fuel tank. Please let me know if you want to visit the site as we are trying to get caught up to speed on this construction and their findings. I emailed Ryan

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

McPHerson and scheduled a Site Meeting on 5/6/21 at 930AM."
Remarks: "COULD NOT MAINTAIN LEVEL-TANK #2"

All TTF:
Facility ID: 9415851
Spill Number: 9415851
Spill Tank Test: 1543650
Site ID: 201622
Tank Number: 002
Tank Size: 0
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 201622
Operable Unit ID: 1009299
Operable Unit: 01
Material ID: 371029
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: -1.00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: O'DWYER GARDENS -NYCHA
Address: 2959 WEST 33RD STREET
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9416977 / 2008-01-15
Facility ID: 9416977
Site ID: 322203
Spill Date: 1995-03-31
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: jkkann
Referred To: CONSOLIDATED WITH 9415851
Reported to Dept: 1995-03-31
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-03-31
Spill Record Last Update:	2008-01-15
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	167749
DEC Memo:	"12/20/05: This spill transferred from J.Kolleeny to S.Kraszewski. 09/01/06: DEC Lead for this spill changed from unassigned to S. Kraszewski. - J. Kolleeny 02/09/07 - J.Kann - Spill reassigned from S.Kraszewski to J.Kann. 01/15/08- J.Kann - Spill closed and consolidated with 9415851."
Remarks:	"COULD NOT MAINTAIN LEVEL"

All TTF:

Facility ID:	9416977
Spill Number:	9416977
Spill Tank Test:	1543711
Site ID:	322203
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	322203
Operable Unit ID:	1014085
Operable Unit:	01
Material ID:	368601
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

UST:

Name:	O'DWYER GARDENS (SURFSIDES)

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473979 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584695.12917
UTM Y:	4491882.07477
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20869
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	SUPERVISOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-23

Site Id:	20869
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20869
Affiliation Type:	Facility Operator
Company Name:	ODWYER GARDENS (SURFSIDES)
Contact Type:	Not reported
Contact Name:	NYC HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11
Site Id:	20869
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-01-31

Tank Info:

Tank Number:	1
Tank ID:	59518
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	20000
Install Date:	02/01/2000
Date Tank Closed:	09/17/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	10/11/2018

Equipment Records:

K00 - Spill Prevention - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
D11 - Pipe Type - Flexible Piping
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
H05 - Tank Leak Detection - In-Tank System (ATG)
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
F05 - Pipe External Protection - Jacketed

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
E04 - Piping Secondary Containment - Double walled UG

Tank Number:	OLD 1
Tank ID:	37578
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	30000
Install Date:	02/01/1969
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H00 - Tank Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping

Tank Number:	OLD 2
Tank ID:	37579
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	30000
Install Date:	02/01/1969
Date Tank Closed:	02/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping

SPILLS:

Name:	O'DWYER GARDENS -NYCHA
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0305816 / 2007-01-26
Facility ID:	0305816
Facility Type:	ER
DER Facility ID:	167749
Site ID:	322201
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2003-09-02
Investigator:	jkkann
Referred To:	CLOSED PER NYCHA INFO
Reported to Dept:	2003-09-02
CID:	199
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-09-02
Spill Record Last Update:	2007-01-26
Spiller Name:	Not reported
Spiller Company:	EASTCO BOILER
Spiller Address:	1175 LEGETT AVE
Spiller Company:	001
Contact Name:	FRANK INOA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY Eastco Boiler - Same company as A.L. Eastmond Contact: AL Eastmond - Fergusen 347-865-7456 Housing Authority - Frank Inoa 718-707-5718 A small copper tube in a mobile boiler broke. Oil leaked out of the boiler and into the truck bed, out onto the sidewalk/street and some went into a DEP storm drain. Eastmond is on site cleaning the area. They will also open and clean the storm drain. 11/03/05: This spill transferred from J.Kolleeny to S.Kraszewski. 01/27/06: This spill transferred from S.Kraszewaski to Q.Abidi. 03/31/06: This spill transferred from Q. Abidi to Koon Tang. 1/26/07 - Spill transferred to J. Kann. Spill closed as per information on clean up provided by NYCHA. - J.Kann "
Remarks:	"broken line on boiler caused spill - materal contained to concrete

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

floor and boiler area "

All Materials:
Site ID: 322201
Operable Unit ID: 874260
Operable Unit: 01
Material ID: 503054
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 80.00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: O'DWYER GARDENS -NYCHA
Address: 2959 WEST 33RD STREET
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 0305818 / 2003-09-02
Facility ID: 0305818
Facility Type: ER
DER Facility ID: 167749
Site ID: 322202
DEC Region: 2
Spill Cause: Unknown
Spill Class: C4
SWIS: 2401
Spill Date: 2003-09-02
Investigator: MXTIPPLE
Referred To: Not reported
Reported to Dept: 2003-09-02
CID: 216
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2003-09-02
Spill Record Last Update: 2005-12-20
Spiller Name: UNKNOWN
Spiller Company: Unknown
Spiller Address: UNKNOWN
Spiller Company: 999
Contact Name: MALORY GILMORE
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE no call back number, no way to confirm"
Remarks: "SPILL IN A PORTABLE BOILER NOTHING FURTHUR DEP HAD NO OTHER INFO "

All Materials:
Site ID: 322202
Operable Unit ID: 872413
Operable Unit: 01

O'DWYER GARDENS (SURFSIDES) (Continued) **U000410712**

Material ID:	503055
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	80.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

V124 **O'DWYER GARDENS (SURFSIDES)** **NY AST** **A100364502**
SW **2959 WEST 33RD STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.112 mi.
592 ft. **Site 2 of 7 in cluster V**

Relative:
Higher

Actual:
8 ft.

AST:

Name:	O'DWYER GARDENS (SURFSIDES)
Address:	2959 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-473979
Program Type:	PBS
UTM X:	584695.12917
UTM Y:	4491882.07477
Expiration Date:	N/A
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20869
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	SUPERVISOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-23

Site Id:	20869
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR
City:	LONG ISLAND CITY
State:	NY

O'DWYER GARDENS (SURFSIDES) (Continued) **A100364502**

Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20869
Affiliation Type:	Facility Operator
Company Name:	ODWYER GARDENS (SURFSIDES)
Contact Type:	Not reported
Contact Name:	NYC HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20869
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-01-31

Tank Info:

Tank Number:	2
Tank Id:	246516
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating

O'DWYER GARDENS (SURFSIDES) (Continued) **A100364502**

J03 - Dispenser - Gravity
I05 - Overfill - Vent Whistle
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
F00 - Pipe External Protection - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/20/2012
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/01/2013
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

V125 **NYCHA - ODWYER GARDENS** **RCRA NonGen / NLR** **1004762187**
SW **2963 W 33RD ST** **FINDS** **NYR000094409**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.112 mi. **NY MANIFEST**
592 ft. **Site 3 of 7 in cluster V**

Relative: **Higher**
Actual: **8 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20070101
Handler Name:	NYCHA - ODWYER GARDENS
Handler Address:	2963 W 33RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYR000094409
Contact Name:	ANTHONY SOLOMITA
Contact Address:	49TH AVE
Contact City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Contact Telephone:	718-707-5731
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Municipal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	49TH AVE
Mailing City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Owner Name:	NEW YORK CITY HOUSING AUTH
Owner Type:	Municipal
Operator Name:	NEW YORK CITY HOUSING AUTH
Operator Type:	Municipal
Short-Term Generator Activity:	No

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK CITY HOUSING AUTH
Legal Status: Municipal
Date Became Current: 20010101
Date Ended Current: Not reported
Owner/Operator Address: 23-02 49TH AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone: 718-707-5731
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY HOUSING AUTH
Legal Status: Municipal
Date Became Current: 20010101
Date Ended Current: Not reported
Owner/Operator Address: 23-02 49TH AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone: 718-707-5731
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK CITY HOUSING AUTH
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 23-02 49TH AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone: 718-707-5731
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101
Handler Name: NYCHA - ODWYER GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Handler Name: NYCHA - ODWYER GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010223
Handler Name: NYCHA - ODWYER GARDENS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004567326

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004762187
Registry ID: 110004567326
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004567326
Name: NYCHA - ODWYER GARDENS

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Address: 2963 W 33RD ST
City,State,Zip: BROOKLYN, NY 11224

NY MANIFEST:
Name: NYCHA - ODWYER GARDENS
Address: 2963 W 33RD ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYR000094409
Facility Status: Not reported
Location Address 1: 2963-2975 W 33RD STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000094409
Mailing Name: NYCHA - ODWYER GARDENS
Mailing Contact: JOE LURSKI
Mailing Address 1: 23-02 49TH AVE 5TH FLOOR
Mailing Address 2: TECHNICAL SERVICES DEPT EH&S DIVISION
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7184491800

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: MAC300016672
Trans2 State ID: NYD982792814
Generator Ship Date: 12/12/2012
Trans1 Recv Date: 12/12/2012
Trans2 Recv Date: 12/19/2012
TSD Site Recv Date: 12/28/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000094409
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: OHD048415665
TSDF ID 2: Not reported
Manifest Tracking Number: 004555111FLE
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N

NYCHA - ODWYER GARDENS (Continued) **1004762187**

Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H040
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1068
Units:	P - Pounds
Number of Containers:	6
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

V126 **NYC HOUSING AUTHORITY** **NY Spills** **S116155705**
SW **2951 WEST 33RD ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.112 mi.
592 ft. **Site 4 of 7 in cluster V**

Relative: **Higher**
Actual: **8 ft.**

SPILLS:

Name:	NYC HOUSING AUTHORITY
Address:	2951 WEST 33RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1309420 / 2014-10-07
Facility ID:	1309420
Facility Type:	ER
DER Facility ID:	445286
Site ID:	490217
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2013-12-24
Investigator:	SXMAHAT
Referred To:	Not reported
Reported to Dept:	2013-12-24
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

NYC HOUSING AUTHORITY (Continued) **S116155705**

Date Entered In Computer:	2013-12-24
Spill Record Last Update:	2015-10-28
Spiller Name:	Not reported
Spiller Company:	CONTRACTOR CALLED WARE
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	YELENA TKACH
DEC Memo:	"8/18/14: Mahat DEC Mahat contacted Notifier (Yelana @ 917.518.6355) regarding the clean up report. She mentioned that the site has been clean and the clean up report will be submitted to the Department in first week of Septmenber. 10/7/14 : Mahat DEC Mahat received an report from Ms. Yelana with manifest and clean up narrative report. It is uploaded on D2 for reference. Based on the doucuments provided, spill was all conatined in the concrete and clean up has been performed. Further investigation on remediation and deliniation is not required by the Department. Hence, the spill case will be closed in the database. "
Remarks:	"cleanup in progress"

All Materials:

Site ID:	490217
Operable Unit ID:	1239781
Operable Unit:	01
Material ID:	2239843
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	45.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

R127 **NYCHA - ODWYER** **RCRA NonGen / NLR** **1001223884**
SW **2995 W 33RD ST** **FINDS** **NYR000051003**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.112 mi.
592 ft. **Site 2 of 2 in cluster R**

Relative: **Higher**
Actual: **7 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - ODWYER	
Handler Address:		2995 W 33RD ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000051003
Contact Name:		Not reported
Contact Address:		BROADWAY
Contact City,State,Zip:		NEW YORK, NY 10007
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported

NYCHA - ODWYER (Continued) **1001223884**

Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007
Owner Name:	NYC HOUSING AUTHORITY	
Owner Type:		Municipal
Operator Name:	NYC HOUSING AUTHORITY	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported

NYCHA - ODWYER (Continued) **1001223884**

Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	NONE
Waste Description:	Not Defined
Waste Code:	U240
Waste Description:	2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADAWY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADAWY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADAWY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NYCHA - ODWYER (Continued) **1001223884**

Historic Generators:

Receive Date:	19980403
Handler Name: NYCHA - ODWYER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060101
Handler Name: NYCHA - ODWYER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20070101
Handler Name: NYCHA - ODWYER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980227
Handler Name: NYCHA - ODWYER	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

NYCHA - ODWYER (Continued) **1001223884**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004540756

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001223884
Registry ID:	110004540756
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004540756
Name:	NYCHA - ODWYER
Address:	2995 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224

W128 **O'DYER GARDENS** **NY LTANKS** **S104191805**
WSW **2951 W. 33RD ST** **N/A**
< 1/8 **CONEY ISLAND, NY**
0.113 mi.
596 ft. **Site 1 of 2 in cluster W**

Relative: Higher
Actual: 12 ft.

LTANKS:

Name:	O'DYER GARDENS
Address:	2951 W. 33RD ST
City,State,Zip:	CONEY ISLAND, NY
Spill Number/Closed Date:	9906184 / 2003-03-20
Facility ID:	9906184
Site ID:	80793
Spill Date:	1999-08-24
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	SACCACIO
Referred To:	Not reported
Reported to Dept:	1999-08-24
CID:	322
Water Affected:	Not reported
Spill Notifier:	Citizen
Last Inspection:	Not reported

O'DYER GARDENS (Continued) **S104191805**

Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-08-24
Spill Record Last Update:	2003-03-20
Spiller Name:	NYC HOUSING AUTH
Spiller Company:	O'DYER GARDENS
Spiller Address:	2951 W. 33RD ST
Spiller County:	001
Spiller Contact:	NYC HOUSING AUTH
Spiller Phone:	(718) 449-1800
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	74827
DEC Memo:	""
Remarks:	"caller recieved word that new tanks are being installed because the old tanks were leaking - caller concerned that there was no clean up of the oil "

All Materials:

Site ID:	80793
Operable Unit ID:	1080627
Operable Unit:	01
Material ID:	302453
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

W129 **NYCHA - ODWYER GARDENS HOUSES** **RCRA NonGen / NLR** **1001493626**
SW **2935 W 33RD ST** **FINDS** **NYR000075176**
< 1/8 **BROOKLYN, NY 11224** **ECHO**
0.114 mi.
600 ft. **Site 2 of 2 in cluster W**

Relative: **Higher**
Actual: **11 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20070101
Handler Name:	NYCHA - ODWYER GARDENS HOUSES
Handler Address:	2935 W 33RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224-2516
EPA ID:	NYR000075176
Contact Name:	FRANK OCELLO
Contact Address:	BROADWAY
Contact City,State,Zip:	NEW YORK, NY 10007-2516
Contact Telephone:	212-306-3229
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

NYCHA - ODWYER GARDENS HOUSES (Continued) **1001493626**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007-2516
Owner Name:	NYCHA	
Owner Type:		Municipal
Operator Name:	NYCHA	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

NYCHA - ODWYER GARDENS HOUSES (Continued) **1001493626**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007-2516
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060101
Handler Name:	NYCHA - ODWYER GARDENS HOUSES
Federal Waste Generator Description:	Not a generator, verified

NYCHA - ODWYER GARDENS HOUSES (Continued) **1001493626**

State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - ODWYER GARDENS HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990812
Handler Name: NYCHA - ODWYER GARDENS HOUSES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004555473

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

NYCHA - ODWYER GARDENS HOUSES (Continued) **1001493626**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001493626
Registry ID:	110004555473
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004555473
Name:	NYCHA - ODWYER GARDENS HOUSES
Address:	2935 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224

X130 **CONEY ISLAND CREEK** **NY Spills** **S128042651**
North **2529 NEPTUNE AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.114 mi.
601 ft. **Site 1 of 3 in cluster X**

Relative:
Lower

Actual:
2 ft.

SPILLS:

Name:	CONEY ISLAND CREEK
Address:	2529 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	2106433 / 2021-10-08
Facility ID:	2106433
Facility Type:	ER
DER Facility ID:	572518
Site ID:	625323
DEC Region:	2
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2021-10-07
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	2021-10-07
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Vessel
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2021-10-07
Spill Record Last Update:	2021-10-08
Spiller Name:	PETTY OFCR.
Spiller Company:	UNK
Spiller Address:	2529 NEPTUNE AVE
Spiller Company:	999
Contact Name:	PETTY OFCR.
DEC Memo:	"duplicate of spill #: 2106429."
Remarks:	"Creek Affected outside of containment. NRC#1318945"

All Materials:

Site ID:	625323

CONEY ISLAND CREEK (Continued) **S128042651**

Operable Unit ID:	1372468
Operable Unit:	01
Material ID:	2385794
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

X131 **CREEK** **NY Spills** **S128042667**
North **2529 NEPTUNE AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.114 mi.
601 ft. **Site 2 of 3 in cluster X**

Relative: **Lower**

Actual: **2 ft.**

SPILLS:

Name:	CREEK
Address:	2529 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	2106455 / 2021-10-08
Facility ID:	2106455
Facility Type:	ER
DER Facility ID:	572518
Site ID:	625345
DEC Region:	2
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2021-10-08
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	2021-10-08
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2021-10-08
Spill Record Last Update:	2021-10-08
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	TANASIA SWIFT
DEC Memo:	"10/08/21-Hiralkumar Patel. 12:42 PM:- spoke with Ms. Swift. she mentioned that she visited site on 10/05/21 and 10/07/21. she claimed presence of oil sheen on water during both times. she has some pics from visit on 10/05/21 and will send for review. 12:46 PM:- received pics from Ms. Swift. pics show broken silver sheen on water

CREEK (Continued) **S128042667**

indicating possible presence of biological material. case closed. refer to spill #: 2106429."

Remarks: "construction going on nearby and caller thinks oil is coming from Skanska construction crew for EDC. Sheen sitting on the water. Crew is working in the creek connecting the local barge ECO Christine Brussell 241 c:(929) 505-4747 has been advised"

All Materials:

Site ID:	625345
Operable Unit ID:	1372490
Operable Unit:	01
Material ID:	2385817
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

X132 **KAISER PARK** **NY Spills** **S128042649**
North **2529 NEPTUNE AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.114 mi.
601 ft. **Site 3 of 3 in cluster X**

Relative: **Lower**

Actual: **2 ft.**

SPILLS:

Name:	KAISER PARK
Address:	2529 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	2106429 / 2021-10-13
Facility ID:	2106429
Facility Type:	ER
DER Facility ID:	572518
Site ID:	625319
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2021-10-06
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	2021-10-07
CID:	Not reported
Water Affected:	CONEY ISLAND CREEK
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2021-10-07
Spill Record Last Update:	2021-10-13
Spiller Name:	Not reported

KAISER PARK (Continued) **S128042649**

Spiller Company: NEW YORK CITY
Spiller Address: Not reported
Spiller Company: 999
Contact Name: ASSEMBLYWOMAN MATHYLDA FRONTF
DEC Memo: "10/07/21-Hiralkumar Patel. 6:45 PM:- visited site. NYS assembly member Mathylde Frontus reported release of an unknown amount of an unknown material into the Coney Island Creek from a construction site (NRC #: 1318945). Kaiser Park fishing pier is being built on north side of the Kaiser park, immediately north of track and field area. it was low tide at the time of inspection and there was no construction activity at that time. inspected water surface around the fishing pier and along the work barge at the site. no signs (olfactory or visible) of any chemical/petroleum spill were noted in the area. during inspection, noted a hard boom partially covering newly built pier, but no boom around the work barge.
10/08/21-Hiralkumar Patel. 9:10 AM:- revisited site and met Evan Walton from Skanska. noted high tide during the inspection. this time, noted garbage floating on water but there was no signs of any chemical/petroleum spill. Evan stated that they have received many complaints claiming garbage being dumped by construction crew, but he claimed that garbage is visible during high tide and Skanska or his crew is not responsible for that. asked Evan about dredging operations. he mentioned that Skanska is working in two locations in the area: 1) north of Kaiser Park (fishing pier) and 2) approx. 1,000 ft (or more) in water north of W 37th Street. Evan mentioned that they area dredging area north of W 37th St, but there was no activity today. based on field observations, strongly recommended Evan to place hard boom around the work barge to prevent damage to water from any accidental chemical/petroleum release on the barge. Evan Walton Skanska Ph. (908) 444-6824 email: evan.walton@skanska.com
10/13/21-Hiralkumar Patel. case closed based on field observations."
Remarks: "near kaiser park fishing pier (bayview and neptune) -"

All Materials:
Site ID: 625319
Operable Unit ID: 1372464
Operable Unit: 01
Material ID: 2385790
Material Code: 0064A
Material Name: unknown material
Case No.: Not reported
Material FA: Other
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Y133 **CON EDISON MANHOLE: 2350** **RCRA NonGen / NLR** **1016143908**
SE **3018 W 24TH ST OPPOSITE** **FINDS** **NYP004266953**
< 1/8 **BROOKLYN, NY 11201** **ECHO**
0.116 mi. **NY MANIFEST**
610 ft. **Site 1 of 2 in cluster Y**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20170728
Handler Name: CON EDISON MANHOLE: 2350
Handler Address: 3018 W 24TH ST OPPOSITE

CON EDISON MANHOLE: 2350 (Continued) **1016143908**

Handler City,State,Zip:		BROOKLYN, NY 11201
EPA ID:		NYP004266953
Contact Name:		ROMULO QUIJIJE
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		718-802-5196
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SR SPECIALIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No

CON EDISON MANHOLE: 2350 (Continued) **1016143908**

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171011
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20120906
Handler Name: CON EDISON MANHOLE: 2350	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20170728
Handler Name: CON EDISON MANHOLE: 2350	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

CON EDISON MANHOLE: 2350 (Continued) **1016143908**

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055455626

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016143908
Registry ID:	110055455626
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055455626
Name:	CON EDISON MANHOLE: 2350
Address:	3018 W 24TH ST OPPOSITE
City,State,Zip:	BROOKLYN, NY 11201

NY MANIFEST:

Name:	CON EDISON
Address:	3018 W 24TH ST OPPOSITE
City,State,Zip:	BROOKLYN, NY 11201
Country:	USA
EPA ID:	NYP004266953
Facility Status:	Not reported
Location Address 1:	OPPOSITE 3018 WEST 24 STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11201
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004266953
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

CON EDISON MANHOLE: 2350 (Continued) **1016143908**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	09/06/2012
Trans1 Recv Date:	09/06/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/06/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004266953
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001674777GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	600
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Y134
SE
< 1/8
0.116 mi.
610 ft.

CON EDISON MANHOLE: 2350
3018 W 24TH ST OPPOSITE
BROOKLYN, NY 11201

Site 2 of 2 in cluster Y

NJ MANIFEST **S117986135**
N/A

Relative:
Higher

Actual:
3 ft.

NJ MANIFEST:

EPA Id:	NYP004266953
Mail Address:	IRVING PL, RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	ROMULO QUIJIJE
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	001674777GBF
EPA ID:	NYP004266953
Date Shipped:	9/6/2012
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported

CON EDISON MANHOLE: 2350 (Continued) **S117986135**

Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: NEW YORK, NY 10003
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D008
Hand Code: Not reported
Quantity: 600.00 gallons

Z135 **CAREY GARDENS** **NY UST** **U001840665**
ESE **2955 WEST 24TH STREET** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.116 mi.
610 ft. **Site 1 of 2 in cluster Z**

Relative: **Lower**
Actual: **2 ft.**

UST:
Name: CAREY GARDENS
Address: 2955 WEST 24TH STREET
City,State,Zip: BROOKLYN, NY 11224
Id/Status: 2-473863 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 585447.17152
UTM Y: 4491992.13570
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 20860
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: FUEL OIL REMEDIATION COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2019-04-19

Site Id: 20860
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: YELENA TKACH - COORDINATOR
Address1: 23-02 49TH AVENUE
Address2: TECH SERVS DEPT - 5TH FLOOR

CAREY GARDENS (Continued) **U001840665**

City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20860
Affiliation Type:	Facility Operator
Company Name:	CAREY GARDENS
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20860
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	718-707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2008-09-17

Tank Info:

Tank Number:	1
Tank ID:	64535
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	20000
Install Date:	11/01/2002
Date Tank Closed:	07/19/2017
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001

CAREY GARDENS (Continued) **U001840665**

Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: E
Modified By: DAFRANCI
Last Modified: 02/23/2018

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
L08 - Piping Leak Detection - Tank Top Sump
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
E04 - Piping Secondary Containment - Double walled UG
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm

Tank Number: 2
Tank ID: 64536
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 15000
Install Date: 11/01/2002
Date Tank Closed: 07/19/2017
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: E
Modified By: DAFRANCI
Last Modified: 02/23/2018

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
L08 - Piping Leak Detection - Tank Top Sump
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
L09 - Piping Leak Detection - Exempt Suction Piping

CAREY GARDENS (Continued) **U001840665**

I02 - Overfill - High Level Alarm

Tank Number: OLD 1
Tank ID: 37549
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 20000
Install Date: 11/01/1970
Date Tank Closed: 09/01/2002
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0000
Common Name of Substance: Empty

Tightness Test Method: 03
Date Test: 06/01/1996
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None

Tank Number: OLD 2
Tank ID: 37548
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 15000
Install Date: 11/01/1970
Date Tank Closed: 09/01/2002
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 04/01/2002
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None

CAREY GARDENS (Continued) **U001840665**

J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None

Z136 **NYC-HA CAREY GARDENS** **RCRA-SQG** **1000550120**
ESE **2955 W 24TH STREET** **ICIS** **NYD986870921**
< 1/8 **BROOKLYN, NY 11220** **US AIRS**
0.116 mi. **NY MANIFEST**
610 ft. **Site 2 of 2 in cluster Z**

Relative: **Lower**
Actual: **2 ft.**

RCRA-SQG:

Date Form Received by Agency:		20190201
Handler Name:	NYCHA - HABER	
Handler Address:		2955 W 24TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYD986870921
Contact Name:		NYMIAH BRANCH
Contact Address:		W 24TH ST
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		718-449-6181
Contact Fax:		Not reported
Contact Email:		NYMIAH.BRANCH@NYCHA.NYC.GOV
Contact Title:		PROPERTY MAINTENANCE SUPERVISOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		W 24TH ST
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	PETER TRIFOLI	
Owner Type:		Municipal
Operator Name:	NYMIAH BRANCH	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

NYC-HA CAREY GARDENS (Continued) **1000550120**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190205
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD
Waste Code:	NONE
Waste Description:	Not Defined
Waste Code:	U240
Waste Description:	2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYC HOUSING AUTHORITY
Legal Status:	Municipal

NYC-HA CAREY GARDENS (Continued) **1000550120**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: PETER TRIFOLI	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	BRONX, NY 10473
Owner/Operator Telephone:	718-707-5388
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NYMIAH BRANCH	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2955 W 24TH ST
Owner/Operator City,State,Zip:	BROOKLYN, NY 11224
Owner/Operator Telephone:	718-449-6181
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NYC-HA CAREY GARDENS (Continued) **1000550120**

Historic Generators:

Receive Date:	19980403
Handler Name: NYCHA - CAREY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060101
Handler Name: NYCHA - CAREY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20070101
Handler Name: NYCHA - CAREY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980227
Handler Name: NYCHA - CAREY	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20190201
Handler Name: NYCHA - HABER	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY

NYC-HA CAREY GARDENS (Continued) **1000550120**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	925110
NAICS Description:	ADMINISTRATION OF HOUSING PROGRAMS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

ICIS:

Enforcement Action ID:	NY000A0000261020022600001
FRS ID:	110001570737
Action Name:	NYC-HA CAREY GARDENS 360470012800001
Facility Name:	NYC-HA CAREY GARDENS
Facility Address:	2955 W 24TH STREET BROOKLYN, NY 11220
Enforcement Action Type:	Administrative Order
Facility County:	KINGS
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	6513
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	40.574697
Longitude in Decimal Degrees:	-73.9909
Permit Type Desc:	Not reported
Program System Acronym:	NY0000002610200226
Facility NAICS Code:	531110
Tribal Land Code:	Not reported

US AIRS (AFS):

Envid:	1000550120
Region Code:	02
County Code:	NY047
Programmatic ID:	AIR NY0000002610200226
Facility Registry ID:	110001570737
D and B Number:	Not reported
Facility Site Name:	NYC-HA CAREY GARDENS
Primary SIC Code:	6513
NAICS Code:	531110
Default Air Classification Code:	SMI
Facility Type of Ownership Code:	POF
Air CMS Category Code:	Not reported

NYC-HA CAREY GARDENS (Continued) **1000550120**

HPV Status: Not reported

US AIRS (AFS):
Region Code: 02
Programmatic ID: AIR NY0000002610200226
Facility Registry ID: 110001570737
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-06-11 00:00:00
Activity Status Date: 1982-06-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

NY MANIFEST:
Name: NYCHA - CAREY
Address: 2955 W 24TH ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYD986870921
Facility Status: Not reported
Location Address 1: 2955 W 24TH ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986870921
Mailing Name: NYCHA - CAREY
Mailing Contact: JOHN MITCHELL
Mailing Address 1: 250 BROADWAY
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10007
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 3034257526

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: MAC300016672
Trans2 State ID: Not reported
Generator Ship Date: 12/17/2012
Trans1 Recv Date: 12/17/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/26/2012
Part A Recv Date: Not reported

NYC-HA CAREY GARDENS (Continued) **1000550120**

Part B Recv Date:	Not reported
Generator EPA ID:	NYD986870921
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD077444263
TSDF ID 2:	Not reported
Manifest Tracking Number:	004555225FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	3
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D002
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AA137 **MAINTENANCE BUILDING, CONEY ISLAND** **NY AST** **A100175328**
SE **WEST 25TH STREET & BOARDWALK** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.116 mi.
615 ft. **Site 1 of 2 in cluster AA**

Relative: **Higher**
Actual: **4 ft.**

AST:

Name:	MAINTENANCE BUILDING, CONEY ISLAND
Address:	WEST 25TH STREET & BOARDWALK
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Inactive
Facility Id:	2-605005
Program Type:	PBS
UTM X:	585377.03432
UTM Y:	4491657.20194
Expiration Date:	N/A
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

MAINTENANCE BUILDING, CONEY ISLAND (Continued) **A100175328**

Affiliation Records:

Site Id:	26874
Affiliation Type:	Facility Owner
Company Name:	CITY OF NEW YORK, PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	830 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 360-8221
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2012-11-13

Site Id:	26874
Affiliation Type:	Mail Contact
Company Name:	CITY OF N Y, PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	GABE RAMOS
Address1:	5-BORO
Address2:	RANDALLS ISLAND
City:	NEW YORK
State:	NY
Zip Code:	10035
Country Code:	001
Phone:	(212) 410-8916
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2006-01-24

Site Id:	26874
Affiliation Type:	Facility Operator
Company Name:	MAINTENANCE BUILDING, CONEY ISLAND
Contact Type:	Not reported
Contact Name:	LISA MCBAYNE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 946-1350
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2011-05-04

Site Id:	26874
Affiliation Type:	Emergency Contact
Company Name:	CITY OF NEW YORK, PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	LISA MCBAYNE

MAINTENANCE BUILDING, CONEY ISLAND (Continued) **A100175328**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 946-1350
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2011-05-04

Tank Info:

Tank Number:	001
Tank Id:	59300
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
I05 - Overfill - Vent Whistle

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Tank Converted to Non-Regulated Use
Pipe Model:	Not reported
Install Date:	07/21/1980
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/14/2017
Material Name:	other

V138 **SPILL NUMBER 9809231** **NY Spills** **S104648064**
SW **WEST 33RD ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.121 mi.
639 ft. **Site 5 of 7 in cluster V**

Relative: **Higher**

Actual: **8 ft.**

SPILLS:

Name:	SPILL NUMBER 9809231
Address:	WEST 33RD ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9809231 / 2002-10-31
Facility ID:	9809231
Facility Type:	ER
DER Facility ID:	205006
Site ID:	250107
DEC Region:	2
Spill Cause:	Other
Spill Class:	C4
SWIS:	2401
Spill Date:	1998-10-23
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1998-10-23
CID:	366
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-23
Spill Record Last Update:	2002-10-31
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PL
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT SEE CON ED REPORT #'S 120759 AND 120754. 9809227 AND 9809222 RESPECTIVELY. Con Ed e2mis #120763: D.HEARNS#50839 O.S.NETWORKS REPORTS FOUND 15 GALLONS OIL ON 1000 GALLONS WATER IN CRAB COMPARTMENT E/S W33 ST. ABOUT 247' N/O SURF AVE. CRAB COMPARTMENT ADJACENT TO V4402. NO SEWERS OR WATERWAYS AFFECTED. NO SAMPLE TAKEN & NO E.S.TAG#PLACED -- RESULTS OF V4402 TO BE USED FOR THIS CLEANUP. SEE INCIDENT#120754. CALLED C.I.G. AT 12:24, 12:32, 12:40, 12:55 NOTIFIED MURPHY OF C.I.G. AT 13:13 10/24/98-1700HRS-G.JACOBI FLUSH O.S. REPORTS CLEANUP COMPLETED IN CRAB COMP.ALSO CEMENTED WALL BETWEEN V4351, V4402,NOTE IN VS4402 SUMP PUMP WAS DISCONNECTED SINCE 1992-CONTAINED NO SEWERS OR WATERWAYS EFFECTED,TAG#06773 REMOVED."
Remarks:	"CALLER REPORTING OIL LEAK FROM PREVIOUS REPORTED VAULTS, REF 9809222 & 9809227. CON ED TO CLEAN. CON ED #120763."

All Materials:

Site ID:	250107
Operable Unit ID:	1070364
Operable Unit:	01

SPILL NUMBER 9809231 (Continued) **S104648064**

Material ID:	316688
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

V139 **VAULT 43551** **NY Spills** **S103573363**
SW **WEST 33RD ST/SURF AVE** **N/A**
< 1/8 **BROOKLYN, NY**
0.121 mi.
639 ft. **Site 6 of 7 in cluster V**

Relative: **Higher**
Actual: **8 ft.**

SPILLS:

Name:	VAULT 43551
Address:	WEST 33RD ST/SURF AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9809227 / 2002-10-31
Facility ID:	9809227
Facility Type:	ER
DER Facility ID:	205006
Site ID:	250106
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1998-10-23
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	1998-10-23
CID:	366
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-23
Spill Record Last Update:	2002-10-31
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PL
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT 15 GALLONS OF OIL. 120754 IS THIRD VAULT IN STRING OF CONNECTED VAULTS. SEE 9809222 Con Ed e2mis #120759: D.HEARNS50839 O.S.NETWORKS REPORTS FOUND APPROXIMATELY 15 GALLONS OIL ON 1000 GALLONS WATER. THIS VAULT COMMUNICATES TO V4402. NO SIGN OF SUMP PUMP. PRESSURE TESTED UNIT -- TESTED O.K. PCB READING = 12PPM. CANNOT SEE WHERE OIL COMING FROM. SEE INCIDENT#120754 FOR FURTHER

VAULT 43551 (Continued) **S103573363**

Remarks:	INFORMATION. NO SAMPLE TAKEN -- RESULTS FROM V4402 TO BE USED. NOTIFIED CONSTANTINE OF C.I.G. AT 13:16. 10/24/98-1700HRS--CLEANUP COMPLETED TAG 06774 REMOVED HOLE MAKES WATER."
	"PRODUCT LEAKED FROM OTHER VAULT. CON ED TO CLEAN. REF 9809222. CON ED #120759."

All Materials:

Site ID:	250106
Operable Unit ID:	1070360
Operable Unit:	01
Material ID:	316684
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

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140 South < 1/8 0.123 mi. 647 ft.

GAS ODORS AT RINGELMAN BO
2901 RINGELMAN BOARDWALK
NEW YORK CITY, NY

NY Spills **S102144220**
N/A

Relative: Higher

Actual: 4 ft.

SPILLS:

Name:	GAS ODORS AT RINGELMAN BO
Address:	2901 RINGELMAN BOARDWALK
City,State,Zip:	NEW YORK CITY, NY
Spill Number/Closed Date:	8605394 / 1986-11-25
Facility ID:	8605394
Facility Type:	ER
DER Facility ID:	187001
Site ID:	226557
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	1986-11-25
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	1986-11-25
CID:	Not reported
Water Affected:	NONE
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	1986-11-25
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1986-12-08
Spill Record Last Update:	2004-09-30
Spiller Name:	Not reported
Spiller Company:	UNK

GAS ODORS AT RINGELMAN BO (Continued) **S102144220**

Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was 10/10/95: This is additional information about material spilled from the translation of the old spill file: GASOLINE ODOR."
Remarks:	"LOCATION BET. W. 29TH AND W. 30 STS. - DEP INVESTIGATED AND FOUND MINOR SPILL W/NO IMPACT TO NY WATERS"

All Materials:

Site ID:	226557
Operable Unit ID:	902603
Operable Unit:	01
Material ID:	474581
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AB141 **ROADWAY** **NY Spills** **S122480893**
WSW **MERMAID AVE AND WEST 33 ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.123 mi.
652 ft. **Site 1 of 5 in cluster AB**

Relative:
Higher

Actual:
6 ft.

SPILLS:

Name:	ROADWAY
Address:	MERMAID AVE AND WEST 33 ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1804064 / 2018-07-16
Facility ID:	1804064
Facility Type:	ER
DER Facility ID:	526751
Site ID:	573726
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2018-07-15
Investigator:	PXLAKHAN
Referred To:	Not reported
Reported to Dept:	2018-07-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2018-07-16

ROADWAY (Continued) **S122480893**

Spill Record Last Update:	2018-07-16
Spiller Name:	Not reported
Spiller Company:	NYCTA
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	MIKE
DEC Memo:	"07/16/18 - Lakhani Due to equipment failure, 5 gallons of motor spilled to the roadway. 3 gallons impacted the roadway and was cleaned up using absorbent material. The remaining 2 gallons impacted a sewer. Loss to sewer was reported to DEC (#186609353). Spill is closed."
Remarks:	"3 gallons to roadway/clean up complete 2 gallons to sewer/no clean up"

All Materials:

Site ID:	573726
Operable Unit ID:	1321534
Operable Unit:	01
Material ID:	2329652
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

AB142 **CON EDISON** **NY MANIFEST** **S117737699**
WSW **W 33 ST AND MERMAID AVE** **N/A**
< 1/8 **BROOKLYN, NY 11224**
0.123 mi.
652 ft. **Site 2 of 5 in cluster AB**

Relative:
Higher

Actual:
6 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	W 33 ST AND MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004673406
Facility Status:	Not reported
Location Address 1:	W 33 ST AND MERMAID AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004673406
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY

CON EDISON (Continued) **S117737699**

Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/06/2014
Trans1 Recv Date:	10/06/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/06/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004673406
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774644JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	600
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

T143 **SURFSIDE GARDENS** **NY UST** **U000410719**
West **2839 WEST 32ND STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.126 mi.
666 ft. **Site 2 of 3 in cluster T**

Relative:
Higher

Actual:
12 ft.

UST:

Name:	SURFSIDE GARDENS
Address:	2839 WEST 32ND STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-474053 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584737.25653
UTM Y:	4492187.17217
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20877
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	20877
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR - REMEDIATION
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20877
Affiliation Type:	Facility Operator
Company Name:	SURFSIDE GARDENS
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported

SURFSIDE GARDENS (Continued) **U000410719**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-18

Site Id:	20877
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2017-10-04

Tank Info:

Tank Number:	1
Tank ID:	59521
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	10200
Install Date:	06/01/2000
Date Tank Closed:	09/21/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	10/18/2018

Equipment Records:

B04 - Tank External Protection - Fiberglass
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
E04 - Piping Secondary Containment - Double walled UG

SURFSIDE GARDENS (Continued) **U000410719**

A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
F05 - Pipe External Protection - Jacketed
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Number:	2
Tank ID:	223525
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	20000
Install Date:	06/01/2000
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	0
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
B09 - Tank External Protection - Urethane
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
L08 - Piping Leak Detection - Tank Top Sump
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number:	OLD 1
Tank ID:	37590
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	20000
Install Date:	06/01/1969
Date Tank Closed:	06/01/2000
Registered:	True
Tank Location:	Underground

SURFSIDE GARDENS (Continued) **U000410719**

Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	00
Date Test:	09/01/1994
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

E00 - Piping Secondary Containment - None
D02 - Pipe Type - Galvanized Steel
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None

T144 **NYCHA - SURFSIDE GARDENS** **RCRA NonGen / NLR** **1008374569**
West **2839 W 32ND ST** **NYR000133181**
1/8-1/4 **BROOKLYN, NY 11224**
0.126 mi.
666 ft. **Site 3 of 3 in cluster T**

Relative: **Higher**
Actual: **12 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - SURFSIDE GARDENS	
Handler Address:		2839 W 32ND ST
Handler City,State,Zip:		BROOKLYN, NY 11224-1860
EPA ID:		NYR000133181
Contact Name:		ANTHONY N SOLOMITA
Contact Address:		49TH AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-707-5731
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		49TH AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NO NAME FOUND	
Owner Type:		Other
Operator Name:	NO NAME FOUND	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

NYCHA - SURFSIDE GARDENS (Continued) **1008374569**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

NYCHA - SURFSIDE GARDENS (Continued) **1008374569**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NO NAME FOUND	
Legal Status:	Other
Date Became Current:	19690630
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NO NAME FOUND	
Legal Status:	Other
Date Became Current:	19690630
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NEW YORK CITY HOUSING AUTHORITY	
Legal Status:	Other
Date Became Current:	19690630
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NEW YORK CITY HOUSING AUTHORITY	
Legal Status:	Other
Date Became Current:	19690630
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060101
Handler Name: NYCHA - SURFSIDE GARDENS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

NYCHA - SURFSIDE GARDENS (Continued) **1008374569**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20070101
Handler Name:	NYCHA - SURFSIDE GARDENS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20050707
Handler Name:	NYCHA - SURFSIDE GARDENS
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	92511
NAICS Description:	ADMINISTRATION OF HOUSING PROGRAMS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

AB145 **CON EDISON** **NY MANIFEST** **S117737519**
WSW **2908 W 33RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.136 mi.
716 ft. **Site 3 of 5 in cluster AB**

Relative: **Higher**

Actual: **7 ft.**

NY MANIFEST:

Name:	CON EDISON
Address:	2908 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004660312

CON EDISON (Continued) **S117737519**

Facility Status:	Not reported
Location Address 1:	2908 W 33RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004660312
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	09/18/2014
Trans1 Recv Date:	09/18/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/18/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004660312
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002617400GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON (Continued) **S117737519**

Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

V146 **FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.** **NY UST** **U003790835**
SW **3312 SURF AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.138 mi.
728 ft. **Site 7 of 7 in cluster V**

Relative:
Higher

Actual:
4 ft.

UST:

Name:	FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.
Address:	3312 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-605887 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584702.80732
UTM Y:	4491786.70203
Site Type:	Other

Affiliation Records:

Site Id:	27753
Affiliation Type:	Facility Owner
Company Name:	FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.
Contact Type:	AUTHORIZED SIGNATORY
Contact Name:	ROBERT ZORN
Address1:	FEGS, 315 HUDSON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 366-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	27753
Affiliation Type:	Facility Operator
Company Name:	FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.
Contact Type:	Not reported
Contact Name:	HENRY SEDA

FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC. (Continued) **U003790835**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 449-4000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	27753
Affiliation Type:	Emergency Contact
Company Name:	FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC.
Contact Type:	Not reported
Contact Name:	BRYAN CAULFIELD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 366-8324
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	27753
Affiliation Type:	Mail Contact
Company Name:	FEDERATION EMPLOYMENT & GUIDANCE SERVICE, INC.
Contact Type:	Not reported
Contact Name:	ROBERT ZORN
Address1:	FEGS
Address2:	315 HUDSON STREET
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 366-8444
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Tank Info:

Tank Number:	001
Tank ID:	60666
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	5000
Install Date:	Not reported
Date Tank Closed:	04/10/2019
Registered:	True
Tank Location:	Underground

FEDERATION EMPLOYMENT AND GUIDANCE SERVICE, INC. (Continued) **U003790835**

Tank Type:	Fiberglass reinforced plastic [FRP]
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DAFRANCI
Last Modified:	04/19/2019

Equipment Records:

A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None

AB147 **CON EDISON** **NY MANIFEST** **S117318272**
WSW **2888 W 33 ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.139 mi.
733 ft. **Site 4 of 5 in cluster AB**

Relative: **Higher**

Actual: **7 ft.**

NY MANIFEST:

Name:	CON EDISON
Address:	2888 W 33 ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004657854
Facility Status:	Not reported
Location Address 1:	2888 W 33 ST
Code:	BP
Location Address 2:	SB71182
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004657854
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

CON EDISON (Continued) **S117318272**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	09/15/2014
Trans1 Recv Date:	09/15/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/16/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004657854
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	013256168JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AB148 **CON EDISON** **NY MANIFEST** **S117319400**
WSW **2888 W 33 ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11201**
0.139 mi.
733 ft. **Site 5 of 5 in cluster AB**

Relative:
Higher

Actual:
7 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	2888 W 33 ST
City,State,Zip:	BROOKLYN, NY 11201
Country:	USA
EPA ID:	NYP004671467
Facility Status:	Not reported
Location Address 1:	2888 W 33 ST
Code:	BP
Location Address 2:	MH67928
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11201
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004671467
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/02/2014
Trans1 Recv Date:	10/02/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/03/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004671467
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774559JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N

CON EDISON (Continued) **S117319400**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AC149 **NYC DEPT OF EDUCATION - JHS 239 BKLYN** **NY Spills** **S107408872**
NE **2401 NEPTUNE AVE** **NY MANIFEST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.140 mi.
737 ft. **Site 1 of 4 in cluster AC**

Relative: **Lower**
Actual: **1 ft.**

SPILLS:

Name:	MARK TWAIN INTER SCHOOL
Address:	2401 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0507107 / 2005-09-13
Facility ID:	0507107
Facility Type:	ER
DER Facility ID:	299738
Site ID:	352440
DEC Region:	2
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2005-09-13
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	2005-09-13
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **S107408872**

Remediation Phase:	0
Date Entered In Computer:	2005-09-13
Spill Record Last Update:	2005-09-13
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	GLORIA GOLDBERG
DEC Memo:	"9/13/05-Vought-Responsded to spill with DEC Ketani. School was evacuated by FDNY who is also onscene (Lt. Gleason 718-965-8345). Odors due to anaerobic degradation of organic matter in creek behind school (generation of methane and hydrogen sulfide). Odors were highest at low tide. No sheen or product visible in creek. Odors have been detected previously at low tide. At time of DEC visit school was reoccupied by students as per FDNY. DOH representative employed full time at school. Ten students went to local hospitals with nausea but FDNY paramedics indicated no serious conditions. No petroluem spill. Spill closed by Vought."
Remarks:	"SCHOOL CALLED AND SAID THAT THERE IS A VERY FOUL ODOR COMING INTO SCHOOL, THERE IS A CREEK THAT RUNS BEHIND THE SCHOOL , KIDS AND ADULTS ARE FEELING SICK: PLEASE CALL:"

NY MANIFEST:

Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Address:	2401 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000207621
Facility Status:	Not reported
Location Address 1:	2401 NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000207621
Mailing Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Mailing Contact:	NYC DEPT OF EDUCATION 239K
Mailing Address 1:	2401 NEPTUNE AVE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7189464076

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	MAC300016672

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **S107408872**

Trans2 State ID:	Not reported
Generator Ship Date:	10/29/2015
Trans1 Recv Date:	10/29/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/10/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000207621
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD077444263
TSDF ID 2:	Not reported
Manifest Tracking Number:	008915248FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B007
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AC150 **NYC DEPT OF EDUCATION - JHS 239 BKLYN** **RCRA-SQG** **1016455657**
NE **2401 NEPTUNE AVE** **FINDS** **NYR000207621**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.140 mi.
737 ft. **Site 2 of 4 in cluster AC**

Relative: RCRA-SQG:
Lower

Date Form Received by Agency:	20140116
Handler Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Handler Address:	2401 NEPTUNE AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYR000207621
Contact Name:	BERNARD P ORLAN
Contact Address:	VERNON BLVD 3RD FL

Actual:
1 ft.

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **1016455657**

Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-361-3808
Contact Fax:		718-361-3844
Contact Email:		BORLAN@SCHOOLS.NYC.GOV
Contact Title:		DIRECTOR ENVIRONMENTAL HEALTH AND SAFETY
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		VERNON BLVD 3RD FL
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYC DOE	
Owner Type:		Municipal
Operator Name:	NYC DOE	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **1016455657**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150323
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC DOE	
Legal Status:	Municipal
Date Became Current:	20030901
Date Ended Current:	Not reported

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **1016455657**

Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC DOE	
Legal Status:	Municipal
Date Became Current:	20030901
Date Ended Current:	Not reported
Owner/Operator Address:	44-36 VERNON BLVD
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101
Owner/Operator Telephone:	718-361-3808
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140116
Handler Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	611110
NAICS Description:	ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110058879851

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

NYC DEPT OF EDUCATION - JHS 239 BKLYN (Continued) **1016455657**

corrective action activities required under RCRA.

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016455657
Registry ID:	110058879851
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110058879851
Name:	NYC DEPT OF EDUCATION - JHS 239 BKLYN
Address:	2401 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224

AC151 **I.S. 239 - BROOKLYN K239** **NY AST** **A100194218**
NE **2401 NEPTUNE AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.140 mi.
737 ft. **Site 3 of 4 in cluster AC**

Relative:
Lower

Actual:
1 ft.

AST:

Name:	I.S. 239 - BROOKLYN K239
Address:	2401 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-607190
Program Type:	PBS
UTM X:	585280.32949
UTM Y:	4492447.53914
Expiration Date:	11/20/2026
Site Type:	School

Affiliation Records:

Site Id:	29043
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	JOSEPH YOUNGHESE
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5751
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXLIU
Date Last Modified:	2022-03-15

Site Id:	29043
Affiliation Type:	Facility Operator
Company Name:	JUNIOR HIGH SCHOOL 239 - BROOKLYN K239
Contact Type:	Not reported
Contact Name:	ROBERT MISTRETTA
Address1:	Not reported
Address2:	Not reported
City:	Not reported

I.S. 239 - BROOKLYN K239 (Continued) **A100194218**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 946-4076
EMail: Not reported
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2021-12-22

Site Id: 29043
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: KEN MAHADEO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (646) 210-7918
EMail: Not reported
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2021-12-22

Site Id: 29043
Affiliation Type: Mail Contact
Company Name: NYC DEPARTMENT OF EDUCATION
Contact Type: MANAGER, FUEL DIVISION
Contact Name: JOSEPH YOUNGHESE
Address1: FIELD OPERATIONS - FUEL DIVISION
Address2: 44-36 VERNON BOULEVARD
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 349-5751
EMail: JYOUNGHESE@SCHOOLS.NYC.GOV
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2021-12-22

Tank Info:

Tank Number: 001
Tank Id: 62482
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
E00 - Piping Secondary Containment - None

I.S. 239 - BROOKLYN K239 (Continued) **A100194218**

K01 - Spill Prevention - Catch Basin
I02 - Overfill - High Level Alarm
G02 - Tank Secondary Containment - Vault (w/access)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
L99 - Piping Leak Detection - Other
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/01/2001
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JSMACRI
Last Modified:	12/22/2021
Material Name:	#2 fuel oil (on-site consumption)

AD152 **CON EDISON** **NY MANIFEST** **S117737801**
East **2400 MERMAID AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.140 mi.
739 ft. **Site 1 of 3 in cluster AD**

Relative: **Lower**
Actual: **2 ft.**

NY MANIFEST:

Name:	CON EDISON
Address:	2400 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004679395
Facility Status:	Not reported
Location Address 1:	2400 MERMAID AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004679395
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA

CON EDISON (Continued) **S117737801**

Mailing Phone: Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/17/2014
Trans1 Recv Date:	10/17/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/17/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004679395
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774972JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AD153 **CON EDISON** **NY MANIFEST** **S117737802**
East **2400 MERMAID AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.140 mi.
739 ft. **Site 2 of 3 in cluster AD**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	2400 MERMAID AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004679403
Facility Status:	Not reported
Location Address 1:	2400 MERMAID AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004679403
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/17/2014
Trans1 Recv Date:	10/17/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/17/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004679403
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012774971JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N

CON EDISON (Continued) **S117737802**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AE154 **NYCHA - CONEY ISLAND HOUSES** **RCRA NonGen / NLR** **1001493620**
SE **3058 W 24TH ST** **FINDS** **NYR000075119**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.145 mi. **NY MANIFEST**
767 ft. **Site 1 of 2 in cluster AE**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - CONEY ISLAND HOUSES	
Handler Address:		3058 W 24TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000075119
Contact Name:		ANTHONY N SOLOMITA
Contact Address:		49TH AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-707-5731
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		49TH AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYCHA	
Owner Type:		Municipal

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Operator Name:	NEW YORK CITY HOUSING AUTHORITY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY HOUSING AUTHORITY
Legal Status: Other
Date Became Current: 19570131
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYCHA
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007-2516
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYCHA
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007-2516
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK HOUSING AUTHORITY
Legal Status: Other
Date Became Current: 19570131
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY HOUSING AUTHORITY
Legal Status: Other
Date Became Current: 19570131
Date Ended Current: Not reported
Owner/Operator Address: UNKNOWN
Owner/Operator City,State,Zip: UNKNOWN, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20060101
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990812
Handler Name: NYCHA - HABER HOUSES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20030707
Handler Name: NYCHA - CONEY ISLAND HOUSES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	92511
NAICS Description:	ADMINISTRATION OF HOUSING PROGRAMS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID:	110004555419

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001493620
Registry ID:	110004555419
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004555419
Name:	NYCHA - CONEY ISLAND HOUSES
Address:	3058 W 24TH ST
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	NYCHA - CONEY ISLAND HOUSES
Address:	3058 W 24TH ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000075119
Facility Status:	Not reported
Location Address 1:	3058 W 24TH STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000075119
Mailing Name: NYCHA - CONEY ISLAND HOUSES
Mailing Contact: JOE LURSKI
Mailing Address 1: 23-02 49TH AVE - 5TH FLOOR
Mailing Address 2: TECHNICAL SERVICES DEPT EH&S DIVISION
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 11101
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7187075725

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 09/24/2012
Trans1 Recv Date: 09/24/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/24/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000075119
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: NJD002200046
TSDF ID 2: Not reported
Manifest Tracking Number: 010457333JJK
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N
Discr Full Reject Indicator: N
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: H141
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 55
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 1
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.

NYCHA - CONEY ISLAND HOUSES (Continued) **1001493620**

Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AE155 **NYCHA - CONEY ISLAND HOUSES** **NJ MANIFEST** **S117987263**
SE **3058 W 24TH ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.145 mi.
767 ft. **Site 2 of 2 in cluster AE**

Relative:
Higher

Actual:
3 ft.

NJ MANIFEST:

EPA Id:	NYR000075119
Mail Address:	49TH AVE
Mail City/State/Zip:	LONG ISLAND CITY, NY 11101
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	ANTHONY N SOLOMITA
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	010457333JJK
EPA ID:	NYR000075119
Date Shipped:	9/24/2012
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported

NYCHA - CONEY ISLAND HOUSES (Continued) **S117987263**

Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	600.00 Pounds
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	Not reported
Quantity:	600.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	400.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	1,000.00 Pounds
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	Not reported
Quantity:	55.00 gallons

AD156 **CON EDISON** **NY MANIFEST** **S117536979**
East **FO 2850 W 24TH ST** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.150 mi.
791 ft. **Site 3 of 3 in cluster AD**

Relative: NY MANIFEST:
Lower

Name:	CON EDISON
Address:	FO 2850 W 24TH ST
City,State,Zip:	BROOKLYN, NY
Country:	USA
EPA ID:	NYP004695003

Actual:
2 ft.

CON EDISON (Continued) **S117536979**

Facility Status:	Not reported
Location Address 1:	FO 2850 W 24TH ST
Code:	BP
Location Address 2:	V 8160
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004695003
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	11/13/2014
Trans1 Recv Date:	11/13/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/19/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004695003
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002618277GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON (Continued) **S117536979**

Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AF157 **CON EDISON - MANHOLE 42352** **RCRA-LQG** **1016150041**
ESE **2315 SURF AVE** **NY MANIFEST** **NYP004287116**
1/8-1/4 **BROOKLYN, NY 11224**
0.156 mi.
825 ft. **Site 1 of 2 in cluster AF**

Relative: **Higher**

Actual: **3 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 42352
Handler Address:	2315 SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004287116
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

CON EDISON - MANHOLE 42352 (Continued) **1016150041**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

CON EDISON - MANHOLE 42352 (Continued) **1016150041**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130205
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130205
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 42352
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130205
Handler Name: CON EDISON MANHOLE: 42352
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

CON EDISON - MANHOLE 42352 (Continued) **1016150041**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	2315 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004287116
Facility Status:	Not reported
Location Address 1:	2315 SURF AVE
Code:	BP
Location Address 2:	MH 42352
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004287116
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/2013
Trans1 Recv Date:	02/05/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/05/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004287116
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002015982GBF
Import Indicator:	N

CON EDISON - MANHOLE 42352 (Continued) **1016150041**

Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	400
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AA158 **KAISER PARK** **NY UST** **U004192373**
SSE **WEST 25TH STREET & BOARDWALK** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.160 mi.
847 ft. **Site 2 of 2 in cluster AA**

Relative:
Higher

Actual:
4 ft.

UST:

Name:	KAISER PARK
Address:	WEST 25TH STREET & BOARDWALK
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-604990 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	585377.03432
UTM Y:	4491657.20194
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	26859
Affiliation Type:	Facility Owner
Company Name:	NYC DEPARTMENT OF PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	830 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK

KAISER PARK (Continued) **U004192373**

State: NY
Zip Code: 10021
Country Code: 001
Phone: (212) 410-8916
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2012-11-09

Site Id: 26859
Affiliation Type: Mail Contact
Company Name: NYC DEPT. OF PARKS & RECREATION
Contact Type: Not reported
Contact Name: GABRIEL RAMOS
Address1: 20 BRONX SHORE ROAD
Address2: RANDALLS ISLAND
City: NEW YORK
State: NY
Zip Code: 10035
Country Code: 001
Phone: (212) 410-8916
EMail: GABRIEL.RAMOS@PARKS.NYC.GOV
Fax Number: Not reported
Modified By: MRBARROW
Date Last Modified: 2016-04-18

Site Id: 26859
Affiliation Type: Facility Operator
Company Name: KAISER PARK
Contact Type: Not reported
Contact Name: LISA MCBAYNE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 946-1353
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2012-11-09

Site Id: 26859
Affiliation Type: Emergency Contact
Company Name: NYC DEPARTMENT OF PARKS & RECREATION
Contact Type: Not reported
Contact Name: GABRIEL RAMOS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 410-8916
EMail: Not reported
Fax Number: Not reported

KAISER PARK (Continued) **U004192373**

Modified By: DMMOLOUG
Date Last Modified: 2013-05-31

Tank Info:

Tank Number: 001
Tank ID: 59285
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1500
Install Date: Not reported
Date Tank Closed: 04/20/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 2711
Common Name of Substance: Biodiesel (Heating, On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 04/14/2017

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None

Tank Number: 002
Tank ID: 65669
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 2500
Install Date: 03/18/2003
Date Tank Closed: 08/14/2014
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 2711
Common Name of Substance: Biodiesel (Heating, On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: HDDUPIGN

KAISER PARK (Continued) **U004192373**

Last Modified: 04/14/2017

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
J02 - Dispenser - Suction Dispenser
B04 - Tank External Protection - Fiberglass
E00 - Piping Secondary Containment - None
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
G04 - Tank Secondary Containment - Double-Walled (Underground)

AF159 **CON EDISON** **RCRA NonGen / NLR** **1019906481**
ESE **W 23RD ST & SURF AVE** **FINDS** **NYP004821514**
1/8-1/4 **BROOKLYN, NY 11212** **ECHO**
0.165 mi.
871 ft. **Site 2 of 2 in cluster AF**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150810
Handler Name:	CON EDISON	
Handler Address:		W 23RD ST & SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11212
EPA ID:		NYP004821514
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

CON EDISON (Continued) **1019906481**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160909
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150810
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

CON EDISON (Continued) **1019906481**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20150810
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069653976

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1019906481
Registry ID:	110069653976
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110069653976
Name:	CON EDISON
Address:	W 23RD ST & SURF AVE
City,State,Zip:	BROOKLYN, NY 11212

AG160 **CON EDISON - VAULT SUBMERSIBLE VS4499** **RCRA-LQG** **1024891576**
ESE **2946 W 23RD ST** **NYP005124250**
1/8-1/4 **BROOKLYN, NY 11224**
0.167 mi.
883 ft. **Site 1 of 6 in cluster AG**

Relative: **Lower**

Actual: **2 ft.**

RCRA-LQG:

Date Form Received by Agency:	20180410
Handler Name:	CON EDISON - VAULT SUBMERSIBLE VS4499
Handler Address:	2946 W 23RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP005124250
Contact Name:	ALYSSA SOTTO
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	Not reported
Contact Email:	SOTTOA@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CON EDISON - VAULT SUBMERSIBLE VS4499 (Continued) **1024891576**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20171026
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: 212-460-2757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private

CON EDISON - VAULT SUBMERSIBLE VS4499 (Continued) **1024891576**

Date Became Current:	20171026
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	212-460-2757
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180410
Handler Name:	CON EDISON - VAULT SUBMERSIBLE VS4499
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

AG161 **CON EDISON - VAULT SUBMERSIBLE VS4499** **NY MANIFEST** **S121968506**
ESE **2946 W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.167 mi.
883 ft. **Site 2 of 6 in cluster AG**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:

Name:	CON EDISON - VAULT SUBMERSIBLE VS4499
Address:	2946 W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP005124250
Facility Status:	Not reported
Location Address 1:	2946 W 23RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

CON EDISON - VAULT SUBMERSIBLE VS4499 (Continued) **S121968506**

NY MANIFEST:

EPAID:	NYP005124250
Mailing Name:	CON EDISON - VAULT SUBMERSIBLE VS4499
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

AG162 **CON EDISON - VAULT VS4457** **NY MANIFEST** **S121967564**
ESE **2946 W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.167 mi.
883 ft. **Site 3 of 6 in cluster AG**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:

Name:	CON EDISON - VAULT VS4457
Address:	2946 W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP005023379
Facility Status:	Not reported
Location Address 1:	2946 W 23RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP005023379
Mailing Name:	CON EDISON - VAULT VS4457
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

AG163 **CON EDISON - VAULT VS4457** **RCRA-LQG** **1024890657**
ESE **2946 W 23RD ST** **NYP005023379**
1/8-1/4 **BROOKLYN, NY 11224**
0.167 mi.
883 ft. **Site 4 of 6 in cluster AG**

Relative: RCRA-LQG:
Lower

Actual:
2 ft.

Date Form Received by Agency:	20180410
Handler Name:	CON EDISON - VAULT VS4457
Handler Address:	2946 W 23RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP005023379
Contact Name:	ALYSSA SOTTO
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	Not reported
Contact Email:	SOTTOA@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CON EDISON - VAULT VS4457 (Continued) **1024890657**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20170123
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: 212-460-2757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private

CON EDISON - VAULT VS4457 (Continued) **1024890657**

Date Became Current:	20170123
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	212-460-2757
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180410
Handler Name:	CON EDISON - VAULT VS4457
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

AH164 **CON EDISON MANHOLE: 65710** **NJ MANIFEST** **S117987027**
WNW **2811 W 32ND ST FRONT OF** **N/A**
1/8-1/4 **BROOKLYN, NY 11207**
0.169 mi.
894 ft. **Site 1 of 3 in cluster AH**

Relative: **Higher**

Actual: **13 ft.**

NJ MANIFEST:

EPA Id:	NYP004278750
Mail Address:	IRVING PL, RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	PHILLIP STANFORD
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported

CON EDISON MANHOLE: 65710 (Continued) **S117987027**

Date Change:	Not reported
Manifest:	
Manifest Number:	001674633GBF
EPA ID:	NYP004278750
Date Shipped:	11/22/2012
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported
Waste:	
Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	Not reported
Quantity:	100.00 gallons

AH165 **CON EDISON MANHOLE: 65710** **RCRA NonGen / NLR** **1016149213**
WNW **2811 W 32ND ST FRONT OF** **FINDS** **NYP004278750**
1/8-1/4 **BROOKLYN, NY 11207** **ECHO**
0.169 mi. **NY MANIFEST**
894 ft. **Site 2 of 3 in cluster AH**

Relative: **Higher**
Actual: **13 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20170728
Handler Name:	CON EDISON MANHOLE: 65710	
Handler Address:		2811 W 32ND ST FRONT OF
Handler City,State,Zip:		BROOKLYN, NY 11207
EPA ID:		NYP004278750
Contact Name:		PHILLIP STANFORD
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		718-802-5196
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SR OFFICE ASSISTANT A X L1-2
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CON EDISON MANHOLE: 65710 (Continued) **1016149213**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20171122
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20121122
Handler Name: CON EDISON MANHOLE: 65710	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20170728
Handler Name: CON EDISON MANHOLE: 65710	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No

CON EDISON MANHOLE: 65710 (Continued) **1016149213**

Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055467490

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016149213
Registry ID:	110055467490
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055467490
Name:	CON EDISON MANHOLE: 65710
Address:	2811 W 32ND ST FRONT OF
City,State,Zip:	BROOKLYN, NY 11207

NY MANIFEST:

Name:	FOUGERA PHARMACEUTICALS INC
Address:	2811 W 32ND ST FRONT OF
City,State,Zip:	BROOKLYN, NY 11207
Country:	USA
EPA ID:	NYP004278750
Facility Status:	Not reported
Location Address 1:	2820 W 32ND ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004278750
Mailing Name:	FOUGERA PHARMACEUTICALS INC
Mailing Contact:	TOM TEELING

CON EDISON MANHOLE: 65710 (Continued) **1016149213**

Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	NJD003812047
Generator Ship Date:	11/22/2012
Trans1 Recv Date:	11/22/2012
Trans2 Recv Date:	11/26/2012
TSD Site Recv Date:	11/26/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004278750
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	001674633GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AG166 **CAREY GARDENS -NYCHA** **NY LTANKS** **S106384656**
ESE **2955 WEST 23RD ST** **NY Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.173 mi.
914 ft. **Site 5 of 6 in cluster AG**

Relative:
Higher

Actual:
3 ft.

LTANKS:

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9413624 / 1996-07-17
Facility ID:	9413624
Site ID:	105689
Spill Date:	1994-01-12
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1995-01-12
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-01-12
Spill Record Last Update:	2005-12-23
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	121579
DEC Memo:	""
Remarks:	"LEAK RATE +.245 GPH, TANK #1"

All TTF:

Facility ID:	9413624
Spill Number:	9413624
Spill Tank Test:	1543529
Site ID:	105689
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported

CAREY GARDENS -NYCHA (Continued) **S106384656**

Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	105689
Operable Unit ID:	1011192
Operable Unit:	01
Material ID:	372367
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9604664 / 2005-03-17
Facility ID:	9604664
Site ID:	105690
Spill Date:	1996-07-09
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1996-07-09
CID:	282
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1996-07-09
Spill Record Last Update:	2005-12-23
Spiller Name:	FRANK OCELLO
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	DON FORTE
Spiller Phone:	(212) 306-8894
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	121579
DEC Memo:	"This spill closed to consolidate with open spill no. 0206040 (contaminated soil found during tank pull). - J. Kolleeny 3/17/05"
Remarks:	"housing project is where he did the test.tank contains number 2 fuel oil oil in tank is 18486 gallons "

CAREY GARDENS -NYCHA (Continued) **S106384656**

All TTF:

Facility ID:	9604664
Spill Number:	9604664
Spill Tank Test:	1544628
Site ID:	105690
Tank Number:	1
Tank Size:	19539
Material:	Not reported
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	-7.50
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9414548 / 2003-10-27
Facility ID:	9414548
Site ID:	231395
Spill Date:	1995-02-03
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	SACCACIO
Referred To:	Not reported
Reported to Dept:	1995-02-03
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-02-03
Spill Record Last Update:	2005-12-23
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	121579
DEC Memo:	""
Remarks:	"FAILED DUE TO ERRATIC TEMP. WILL BE RETESTED."

CAREY GARDENS -NYCHA (Continued) **S106384656**

All TTF:

Facility ID:	9414548
Spill Number:	9414548
Spill Tank Test:	1543597
Site ID:	231395
Tank Number:	002
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	231395
Operable Unit ID:	1008125
Operable Unit:	01
Material ID:	373284
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0400233 / 2006-01-17
Facility ID:	0400233
Facility Type:	ER
DER Facility ID:	121579
Site ID:	161239
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2004-04-07
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2004-04-07
CID:	73
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported

CAREY GARDENS -NYCHA (Continued) **S106384656**

Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-04-08
Spill Record Last Update:	2006-01-17
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	RALPH TROCCHIO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY HA (McInnis) says that valve in the return line was in the wrong position, causing fuel to enter the full tank. Unknown why the alarm did not sound. George Breen 01/17/06: This spill transferred from J.Kolleeny to S.Kraszewski. Reviewed NYCHA spill report and invoice from Clean Venture, consultant hired to clean up the spill. Area was cleaned up properly and work performed is reflected in the invoice. Ok to close out. - SK "
Remarks:	"CALLER REPORTS OVER FLOW FROM VENT PIPE CAUSED APPROX 50-75 GAL OF FUEL OIL TO SPILL ONTO SOIL. MOST OF THE SPILL WAS ABSORBED BY SOIL. SPILL IS CONTAINED - NO ACTIVE LEAK. FIRE DEPT IS CLEANING UP WHAT THEY CAN. FD UIS WAITING FOR DEP AND HOUSING AUTHORITY REP TO ARRIVE."
	Not reported

All Materials:

Site ID:	161239
Operable Unit ID:	884624
Operable Unit:	01
Material ID:	495020
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	75.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS -NYCHA
Address:	2955 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0206040 / 2015-10-05
Facility ID:	0206040
Facility Type:	ER
DER Facility ID:	121579
Site ID:	142467
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	2002-09-11
Investigator:	JKKANN
Referred To:	Not reported
Reported to Dept:	2002-09-11
CID:	207

CAREY GARDENS -NYCHA (Continued) **S106384656**

Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-09-11
Spill Record Last Update:	2015-10-05
Spiller Name:	SAME
Spiller Company:	NYC HOUSING AUTH
Spiller Address:	1754 RICHMOND RD
Spiller Company:	001
Contact Name:	RALPH CARLO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY SEE ALSO SPILL NO. 0109738, WHICH WAS CLOSED TO CONSOLIDATE. 11/07/05: This spill transferred from J.Kolleeny to S.Kraszewski. 12/23/05: ISRP from 1997 reveals 9 borings and 5 MWs were installed. Thin fimls of product and olfactory contamination was present. Six volatile compound detected in three of the borings. All exceeded STARS levels; TPH ranged from 28ppm to 3.0% in impacted soils. Three wells contained ten volatile compounds, and seven of them met or exceeded GW quality standards. Recommended product removal vai vaccum or pump, monitor GW for six months and removal of impacted soils when tanks are excavated. Notes from hotline report indicate contractor noticed odor and sheen. Says that test results from stockpile came back contaminated. No paperwork on report is available nor is there any site assessment. - SK 09/27/06: Spill no. 0400233 at this site (April 7, 2004), occurred during tank overfill when oil came out vent pipe and fill pipe. Spill was closed because NYCHA spill report indicated cleanup was done and contaminated soil removed. However, my field notes indicate that not all contaminated soil was dug out; PID readings after soil was excavated were up to 90 ppm and no end-point samples were collected. Site near the beach and groundwater is shallow, possibly impacted by this spill. Potential groundwater impacts must be investigated. This spill should be tracked under this spill number. - J. Kolleeny 6/11/09: JKann - Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 01/28/2010: Remediation and other associated clean-up activities linked to this spill number is now under the oversight of Moses Ajoku, all correspondence related this case should be addressed to me. (MA) 7/15/13: J.Kann - spill transferred from Moses Ajoku to J.Kann. 12/30/13: J.kann - approved IWP. SIR due 6/30/14. 01/07/14: Site included in multi-site stip 6/4/15: J.Kann - Phase II submitted on 12/16/14. REport reviewed. Some slightly elevated SVOCs detected in soils and some in groundwater. A second round of groudnwater sampling from the 4 on site wells was requested from NYCHA on 6/4/15. Results are due by 6/30/15. 8/3/15: J.Kann - Results of gw sampling submitted on 7/7/15. 10/5/15: J.Kann - Samples collected in the 2nd round of groundwater sampling were below TOGS 1.1.1. Closure was requested by NYCHA. Based on review of the Phase II and the second round of groundwater sampling, no further action is necessary. Spill closed."
Remarks:	"CONTAMINATED SOIL FROM TANK PULL FOUND AT THE BASE OF THE TANK "

CAREY GARDENS -NYCHA (Continued) **S106384656**

All Materials:

Site ID:	142467
Operable Unit ID:	857627
Operable Unit:	01
Material ID:	516654
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

167
SW
1/8-1/4
0.174 mi.
918 ft.

CON EDISON - MANHOLE 42321
WEST 35TH ST
BROOKLYN, NY 11224

RCRA-LQG **1016150250**
NY MANIFEST **NYP004289229**

Relative:
Higher

Actual:
5 ft.

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 42321
Handler Address:	WEST 35TH ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004289229
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

CON EDISON - MANHOLE 42321 (Continued) **1016150250**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

CON EDISON - MANHOLE 42321 (Continued) **1016150250**

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130214
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130214
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 42321
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130214
Handler Name: CON EDISON MANHOLE: 42321
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130314
Handler Name: CON EDISON MANHOLE: 42321
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY

CON EDISON - MANHOLE 42321 (Continued) **1016150250**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	SURF AVE & W 35TH ST SW COR
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004289229
Facility Status:	Not reported
Location Address 1:	SW COR SURF AVE & W 35TH ST
Code:	BP
Location Address 2:	MH # 42321
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004289229
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047

CON EDISON - MANHOLE 42321 (Continued) **1016150250**

Trans2 State ID:	Not reported
Generator Ship Date:	02/14/2013
Trans1 Recv Date:	02/14/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/15/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004289229
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002016420GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AG168 **NYCHA - CAREY GARDENS** **RCRA NonGen / NLR** **1001224067**
East **2945-49 W 23RD ST** **FINDS** **NYR000052837**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.175 mi. **NY MANIFEST**
925 ft. **Site 6 of 6 in cluster AG**

Relative: RCRA NonGen / NLR:
Lower

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - CAREY GARDENS	
Handler Address:		2945-49 W 23RD ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000052837
Contact Name:		Not reported
Contact Address:		BROADWAY

Actual:
2 ft.

NYCHA - CAREY GARDENS (Continued) **1001224067**

Contact City,State,Zip:		NEW YORK, NY 10007
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BROADWAY
Mailing City,State,Zip:		NEW YORK, NY 10007
Owner Name:	NYCHA	
Owner Type:		Municipal
Operator Name:	NYCHA	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No

NYCHA - CAREY GARDENS (Continued) **1001224067**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	U240
Waste Description:	2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY 16TH FLOOR
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY 16TH FLOOR
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYCHA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY 16TH FLOOR

NYCHA - CAREY GARDENS (Continued) **1001224067**

Owner/Operator City,State,Zip: NEW YORK, NY 10007
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19990708
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980330
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

NYCHA - CAREY GARDENS (Continued) **1001224067**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004541791

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001224067
Registry ID:	110004541791
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004541791
Name:	NYCHA - CAREY GARDENS
Address:	2945-49 W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	NYCHA - CAREY GARDENS
Address:	2945-49 W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYR000052837
Facility Status:	Not reported
Location Address 1:	2945-49 W 23RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000052837
Mailing Name:	NYCHA - CAREY GARDENS
Mailing Contact:	NYCHA - CAREY GARDENS

NYCHA - CAREY GARDENS (Continued) **1001224067**

Mailing Address 1:	2945-49 W 23RD ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7183610044

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD000692061
Generator Ship Date:	12/12/2008
Trans1 Recv Date:	12/12/2008
Trans2 Recv Date:	12/16/2008
TSD Site Recv Date:	12/16/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000052837
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD980536593
TSDF ID 2:	Not reported
Manifest Tracking Number:	000236814VES
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	120
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AI169 **CONEY ISLAND SITE 8** **NY UST** **U001840675**
WSW **2950 WEST 35TH STREET** **NY AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.179 mi.
943 ft. **Site 1 of 2 in cluster AI**

Relative:
Higher

Actual:
7 ft.

UST:

Name:	CONEY ISLAND SITE 8
Address:	2950 WEST 35TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473987 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584601.21221
UTM Y:	4491901.64256
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20870
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	20870
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20870
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND SITE 8
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported

CONEY ISLAND SITE 8 (Continued) **U001840675**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-10-11

Site Id:	20870
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-05-01

Tank Info:

Tank Number:	1
Tank ID:	181258
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	8000
Install Date:	12/23/2004
Date Tank Closed:	09/12/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DAFRANCI
Last Modified:	10/11/2018

Equipment Records:

J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double walled UG

CONEY ISLAND SITE 8 (Continued) **U001840675**

F00 - Pipe External Protection - None
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
H05 - Tank Leak Detection - In-Tank System (ATG)
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None

Tank Number:	OLD 1
Tank ID:	37580
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	15000
Install Date:	12/01/1973
Date Tank Closed:	11/01/2004
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	04/14/2017

Equipment Records:

J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

AST:

Name:	CONEY ISLAND SITE 8
Address:	2950 WEST 35TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-473987
Program Type:	PBS
UTM X:	584601.21221
UTM Y:	4491901.64256
Expiration Date:	N/A

CONEY ISLAND SITE 8 (Continued) **U001840675**

Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 20870
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: FUEL OIL REMEDIATION COORDINATOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2019-04-19

Site Id: 20870
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: 5TH FLOOR
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: YELENA.TKACH@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-11

Site Id: 20870
Affiliation Type: Facility Operator
Company Name: CONEY ISLAND SITE 8
Contact Type: Not reported
Contact Name: NEW YORK CITY HOUSING AUTHORITY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-11

Site Id: 20870
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: Not reported

CONEY ISLAND SITE 8 (Continued) **U001840675**

Contact Name:	EMERGENCY SERVICE DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2013-05-01

Tank Info:

Tank Number:	2
Tank Id:	246406
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	L09 - Piping Leak Detection - Exempt Suction Piping E00 - Piping Secondary Containment - None H00 - Tank Leak Detection - None J03 - Dispenser - Gravity C01 - Pipe Location - Aboveground F00 - Pipe External Protection - None I05 - Overfill - Vent Whistle K00 - Spill Prevention - None G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground) A00 - Tank Internal Protection - None B01 - Tank External Protection - Painted/Asphalt Coating D01 - Pipe Type - Steel/Carbon Steel/Iron
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/20/2012
Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	07/03/2012
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

Tank Number:	T1
Tank Id:	60316
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

CONEY ISLAND SITE 8 (Continued) **U001840675**

Equipment Records:

J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
G01 - Tank Secondary Containment - Diking (Aboveground)
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I03 - Overfill - Automatic Shut-Off

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/01/2000
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/30/2004
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

AI170 **APARTMENT -NYCHA** **NY LTANKS** **S100146785**
WSW **2950 WEST 35TH STREET** **NY Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.179 mi.
943 ft. **Site 2 of 2 in cluster AI**

Relative:
Higher

Actual:
7 ft.

LTANKS:

Name:	O'DWYER -NYCHA
Address:	2950 WEST 35TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9011619 / 2011-05-26
Facility ID:	9011619
Site ID:	86534
Spill Date:	1991-02-05
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	SEE ALSO 0408649
Reported to Dept:	1991-02-05
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False

APARTMENT -NYCHA (Continued) **S100146785**

Remediation Phase:	0
Date Entered In Computer:	1991-02-11
Spill Record Last Update:	2011-05-26
Spiller Name:	Not reported
Spiller Company:	NYCHA
Spiller Address:	250 BROADWAY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	268769
DEC Memo:	"01/24/06: This spill transferred from J.Kolleeny to S.Kraszewski. One TTF in 1990 for 15K tank installed in 1973. ISRP from 1996 shows soil and GW contamination. TPH in soil range from 71ppm to 3.1% in the soil, no SVOCs in soil but 3 VOCs were detected. GW sample detected 3 VOCs from one MW above standards. Monthly monitoring and yearly GW sampling was the verdict. Only one additional round of sampling was performed, which did not detect petroleum compounds above standards. The tank was replaced in 2000 by an 8K tank. A tank assessment was supposedly done also but no results are on file. - SK 03/22/06: This spill transferred to K.Tang - SK 09/23/10: J.Kann - spill transferred from K. Tang to J.Kann. 05/26/11: J.Kann - This site contained a 15,000 No. 4 fuel oil tank which was removed in 2004 and replaced with an 8,000 gallon No. 2 fuel oil tank. This spill was called in after the 15,000 gallon tank failed tightness testing in 1990. Based on review of all available information, No. 4 fuel oil was stored originally and was the oil spilled. Another spill was called in after contaminated soils were encountered during tank replacement activities in 2004 - spill no 0408649. A field investigation was performed by Athenica for NYCHA in 2010. As a part of this investigation, five soil borings were advanced and three wells installed. One soil sample collected west of the tank contained low levels of PAHs above RSCOs. Groundwater (shallow-approx 7 ft bgs) collected in this location did not contain VOCs or SVOCs. All other soil samples collected contained PAHs below RSCOs. All groundwater samples were non-detect for SVOCs and VOCs with the exception of a detection of pyrene, which was below Class GA standards. Athenica s investigation supplements two previous investigations performed at the site one in 1995 by TRC and one in 2004 by Kosuri Engineering. Based on review of historic information contained in the file, and review of Athenica s Site Assessment Report, the spills were closed. Discussed site with Joe O'connell prior to spill closure - he concurs. NFA."
Remarks:	"15K TANK,SYSTEM TEST, FAILED HORNER EZY CHECK WITH A GROSS LEAK, NO ACTION YET DETERMINED."

All TTF:

Facility ID:	9011619
Spill Number:	9011619
Spill Tank Test:	1538223
Site ID:	86534
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported

APARTMENT -NYCHA (Continued) **S100146785**

Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	86534
Operable Unit ID:	951618
Operable Unit:	01
Material ID:	428152
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	APARTMENT -NYCHA
Address:	2950 WEST 35TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0408649 / 2011-05-26
Facility ID:	0408649
Facility Type:	ER
DER Facility ID:	268769
Site ID:	333540
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	2004-11-05
Investigator:	jkkann
Referred To:	SEE ALSO 9011619
Reported to Dept:	2004-11-05
CID:	444
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-11-08
Spill Record Last Update:	2011-05-26
Spiller Name:	JAMES GILMORE
Spiller Company:	APARTMENT
Spiller Address:	2950 WEST 31ST STREET
Spiller Company:	001

APARTMENT -NYCHA (Continued) **S100146785**

Contact Name:	JAMES GILMORE
DEC Memo:	"Project assigned to Central Office; no work or assignment done by them; transferred back to Region 2. 10/11/06 - Austin - Reassigned from Central Office staff to Patel, for follow up and closure - end 10/12/06 - Kann - reassigned from Patel to Kann - spill under consent order. 6/11/09: JKann - Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 6/10/10 J.Kann - Comments sent to NYCHA on work plan (edoced). Revised plan due July 10. 8/2/10: J.Kann - Revised plan submitted July 27, 2010 and approved in an email dated August 2, 2010. 1/28/11: J.Kann - SAR received on 1/28/11 and edoced. 5/26/11: J.Kann - This site contained a 15,000 No. 4 fuel oil tank which was removed in 2004 and replaced with an 8,000 gallon No. 2 fuel oil tank. This spill was called in after contaminated soils were encountered during tank replacement activities in 2004. (An earlier spill -9011619) was called in after the 15,000 gallon tank failed tightness testing in 1990. Based on review of all available information, No. 4 fuel oil was stored originally and was the oil type spilled. A field investigation was performed by Athenica for NYCHA in 2010. As a part of this investigation, five soil borings were advanced and three wells installed. One soil sample collected west of the tank contained low levels of PAHs above RSCOs. Groundwater (shallow-approx 7 ft bgs) collected in this location did not contain VOCs or SVOCs. All other soil samples collected contained PAHs below RSCOs. All groundwater samples were non-detect for SVOCs and VOCs with the exception of a detection of pyrene, which was below Class GA standards. Athenica s investigation supplements two previous investigations performed at the site one in 1995 by TRC and one in 2004 by Kosuri Engineering. Based on review of historic information contained in the file, and review of Athenica s Site Assessment Report, the spill was closed. Discussed site with Joe O'connell prior to spill closure - he concurs. NFA."
Remarks:	"during excavation found some contamnation: while removing"

All Materials:

Site ID:	333540
Operable Unit ID:	1095694
Operable Unit:	01
Material ID:	575821
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AJ171 **CON EDISON MANHOLE: 36354** **RCRA NonGen / NLR** **1016972429**
East **2302 MERMAID AVE** **NY MANIFEST** **NYP004462016**
1/8-1/4 **BROOKLYN, NY 11224**
0.179 mi.
945 ft. **Site 1 of 3 in cluster AJ**

Relative: **Lower**

Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140410
Handler Name:	CON EDISON MANHOLE: 36354	
Handler Address:		2302 MERMAID AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004462016
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CON EDISON MANHOLE: 36354 (Continued) **1016972429**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20141014
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20140310
Handler Name:	CON EDISON MANHOLE: 36354
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140410
Handler Name:	CON EDISON MANHOLE: 36354
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported

CON EDISON MANHOLE: 36354 (Continued) **1016972429**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: 2302 MERMAID AVE
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004462016
Facility Status: Not reported
Location Address 1: F/O 2302 MERMAID AVE
Code: BP
Location Address 2: SB36354
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004462016
Mailing Name: CON EDISON
Mailing Contact: CON EDISON
Mailing Address 1: 4 IRVING ST
Mailing Address 2: 15TH ST
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 03/10/2014
Trans1 Recv Date: 03/10/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/17/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004462016

CON EDISON MANHOLE: 36354 (Continued) **1016972429**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002360515GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	250
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AC172 **NEPTUNE PUMPING STATION** **NY TANKS** **U001841868**
NE **2327 NEPTUNE AVE** **N/A**
1/8-1/4 **CONEY ISLAND, NY 10013**
0.182 mi.
959 ft. **Site 4 of 4 in cluster AC**

Relative: **Lower**
Actual: **1 ft.**

TANKS:

Name:	NEPTUNE PUMPING STATION
Address:	2327 NEPTUNE AVE
City,State,Zip:	CONEY ISLAND, NY 10013
Facility Id:	2-601313
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	02/05/1998
UTM X:	585375.70009
UTM Y:	4492379.07617

AK173 **SURFSIDE HOUSES -NYCHA** **NY LTANKS** **S118953726**
West **2839 W 33RD STREET** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.185 mi.
975 ft. **Site 1 of 3 in cluster AK**

Relative: **Higher**

Actual: **8 ft.**

LTANKS:

Name:	SURFSIDE HOUSES -NYCHA
Address:	2839 W 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9102831 / 2015-06-05
Facility ID:	9102831
Site ID:	303978
Spill Date:	1991-06-11
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	1991-06-11
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-06-11
Spill Record Last Update:	2015-06-05
Spiller Name:	Not reported
Spiller Company:	NYCHA/FRANK CELLO
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	245604
DEC Memo:	"01/20/06: This spill transferred from J.Kolleeny to S.Kraszewski. One active 20K tank installed in 1969 with one TTF in 1991. An ISRP performed in 1997 developed 4 borings and 3 MWs. 2 soil samples were analyzed and found no VOCs or SVOCs. TPH ranged from 41 to 137ppm. One VOC compound was detected in a GW samples equal to the AWQS. NO SVOCs detected in GW. In 2000, another 20K tank was installed at the site. No other TTFs on record for this site. Need additional information from NYCHA before closing this spill. - SK 03/22/06: This spill transferred to K.Tang - SK 09/23/10: J.Kann - spill transferred from K. Tang to J.Kann. 6/5/15: J.Kann - reviewed site file. File indicates that the Department agreed to NFA after the initial ISRP in 1997 was reviewed. The spill was only to stay open until the tank was retested. It is not clear if/when the tank was retested, but it was removed and replaced in 2000. No additional spills were called in for the site related to the tank (at one point a surface spill was called in and immediately cleaned) As discussed above, no impacts to grounwater were detected in the ISRP witht the exception of t-butylbezene at 5ppb (TOGS 5ppb). Spill closed. "

SURFSIDE HOUSES -NYCHA (Continued) **S118953726**

Remarks:	"GROSS FAILURE 20K TANK EX, IS, & RETEST"

All TTF:

Facility ID:	9102831
Spill Number:	9102831
Spill Tank Test:	1538649
Site ID:	303978
Tank Number:	001
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	303978
Operable Unit ID:	953654
Operable Unit:	01
Material ID:	425320
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AJ174 **CON EDISON** **NY MANIFEST** **S117736533**
East **MERMAID AVE & W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.194 mi.
1024 ft. **Site 2 of 3 in cluster AJ**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	MERMAID AVE & W 23RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004527776
Facility Status:	Not reported
Location Address 1:	S/INT MERMAID AVE & W 23 S
Code:	BP
Location Address 2:	T
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

CON EDISON (Continued) **S117736533**

NY MANIFEST:

EPAID:	NYP004527776
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	05/09/2014
Trans1 Recv Date:	05/09/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/15/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004527776
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012770568JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	Y
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2777
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	Not reported

CON EDISON (Continued) **S117736533**

Waste Code 1_2:	D008
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AJ175 **CON EDISON MANHOLE: 53063** **RCRA NonGen / NLR** **1017774957**
East **MERMAID AVE & W 23RD ST** **NYP004527776**
1/8-1/4 **BROOKLYN, NY 11224**
0.194 mi.
1024 ft. **Site 3 of 3 in cluster AJ**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20140609
Handler Name:	CON EDISON MANHOLE: 53063	
Handler Address:		MERMAID AVE & W 23RD ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004527776
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

CON EDISON MANHOLE: 53063 (Continued) **1017774957**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150211
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20140509
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140509
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified

CON EDISON MANHOLE: 53063 (Continued) **1017774957**

State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140609
Handler Name:	CON EDISON MANHOLE: 53063
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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176 **SPECIAL HOSPITAL** **FUDS** **1024899362**
SE **N/A**
1/8-1/4 **NO CITY, NY**
0.199 mi.
1051 ft.

Relative:
Higher

Actual:
4 ft.

FUDS:

EPA Region:	2
Installation ID:	NY29799F956200
Congressional District Number:	8
Name:	SPECIAL HOSPITAL
FUDS Number:	C02NY1101
City:	NO CITY
State:	NY
County:	KINGS
Object ID:	6752
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=54339
Eligibility:	Eligible
Has Projects:	No

SPECIAL HOSPITAL (Continued) **1024899362**

NPL Status: Not on the NPL
Property History: The former Half Moon Hotel was utilized by the Department of the Navy during WWII for treatment of wounded and ill servicemen and women. The facility was a special treatment unit for various unusual wounds and illnesses.

Project Required: No
Feature Description: Not reported
Latitude: 40.57194444
Longitude: -73.98944444

AH177 **NYNEX** **NY MANIFEST** **1009234561**
WNW **32ND ST & NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.199 mi.
1053 ft. **Site 3 of 3 in cluster AH**

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:
Name: NYNEX
Address: 32ND ST & NEPTUNE AVE
City,State,Zip: BROOKLYN, NY
Country: USA
EPA ID: NYP000932574
Facility Status: Not reported
Location Address 1: 32ND ST & NEPTUNE AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP000932574
Mailing Name: NYNEX
Mailing Contact: V ORCHIER
Mailing Address 1: 221 EAST 37TH STREET
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10016
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2123387126

AL178 **NEPTUNE AVENUE PUMPING STATION** **RCRA NonGen / NLR** **1000694468**
NE **2327 NEPTUNE AVE** **FINDS** **NYD987007960**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.201 mi. **NY MANIFEST**
1059 ft. **Site 1 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20070101
Handler Name:	NEPTUNE AVENUE PUMPING STATION
Handler Address:	2327 NEPTUNE AVE
Handler City,State,Zip:	BROOKLYN, NY 11224-2313
EPA ID:	NYD987007960
Contact Name:	Not reported
Contact Address:	KENT AVE
Contact City,State,Zip:	BROOKLYN, NY 11211
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Municipal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	KENT AVE
Mailing City,State,Zip:	BROOKLYN, NY 11211
Owner Name:	DEPT OF GENERAL SERVICES
Owner Type:	Municipal
Operator Name:	DEPT OF GENERAL SERVICES
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DEPT OF GENERAL SERVICES
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ONE CENTER ST
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-669-2482
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DEPT OF GENERAL SERVICES
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: ONE CENTER ST
Owner/Operator City,State,Zip: NEW YORK, NY 10007
Owner/Operator Telephone: 212-669-2482
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DEPT OF GENERAL SERVICES
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: ONE CENTER ST
Owner/Operator City,State,Zip: NEW YORK, NY 10007
Owner/Operator Telephone: 212-669-2482
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990708
Handler Name: NEPTUNE AVENUE PUMPING STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: NEPTUNE AVENUE PUMPING STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NEPTUNE AVENUE PUMPING STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920713
Handler Name: NEPTUNE AVENUE PUMPING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Records/Reporting
Date Violation was Determined: 19930430
Actual Return to Compliance Date: 19930804
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19930804
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: NYGBR
Enforcement Responsible Sub-Organization: TS
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200

Evaluation Action Summary:

Evaluation Date:	19930430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	TS
Actual Return to Compliance Date:	19930804
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:

Registry ID: 110004492264

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000694468
Registry ID:	110004492264
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004492264
Name:	NEPTUNE AVENUE PUMPING STATION
Address:	2327 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	NYC OFFICE OF GENERAL SERVICE
Address:	2327 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224-2313
Country:	USA
EPA ID:	NYD987007960
Facility Status:	Not reported
Location Address 1:	23-27 NEPTUNE AVE PLUMB SVC
Code:	BP
Location Address 2:	Not reported

NEPTUNE AVENUE PUMPING STATION (Continued) **1000694468**

Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD987007960
Mailing Name: NYC OFFICE OF GENERAL SERVICE
Mailing Contact: N/S
Mailing Address 1: 390 KENT AVENUE
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11211
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7189639247

AM179 **POLICE SERVICE AREA #1 NYPD HOUSING BUREAU** **NY AST** **U004151159**
ENE **2860 WEST 23RD STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.208 mi.
1098 ft. **Site 1 of 5 in cluster AM**

Relative:
Lower

Actual:
1 ft.

AST:
Name: POLICE SERVICE AREA #1 NYPD HOUSING BUREAU
Address: 2860 WEST 23RD STREET
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-611292
Program Type: PBS
UTM X: 585463.45662
UTM Y: 4492214.47630
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 426316
Affiliation Type: Facility Owner
Company Name: NYC HOUSING AUTHORITY
Contact Type: SUPERVISOR
Contact Name: YELENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-23

Site Id: 426316

POLICE SERVICE AREA #1 NYPD HOUSING BUREAU (Continued) **U004151159**

Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	FUEL OIL REMEDIATION UNIT COORDINATOR
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-03-20

Site Id:	426316
Affiliation Type:	Facility Operator
Company Name:	POLICE SERVICE AREA #1 NYPD HOUSING BUREAU
Contact Type:	Not reported
Contact Name:	FUEL OIL REMEDIATION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2015-01-28

Site Id:	426316
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2010-07-28

Tank Info:

Tank Number:	1
Tank Id:	233458
Material Code:	0008
Common Name of Substance:	Diesel

POLICE SERVICE AREA #1 NYPD HOUSING BUREAU (Continued) **U004151159**

Equipment Records:
I00 - Overfill - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
G02 - Tank Secondary Containment - Vault (w/access)
K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

Tank Location: Aboveground in subterranean vault with access for inspections.....
Tank in subterranean vault but accessible for inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 10/01/1995
Capacity Gallons: 2500
Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 01/31/2019
Register: True
Modified By: DAFRANCI
Last Modified: 03/20/2019
Material Name: diesel

Tank Number: 2
Tank Id: 278191

Equipment Records:
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
D11 - Pipe Type - Flexible Piping
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 11/01/2017
Capacity Gallons: 1065
Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported

POLICE SERVICE AREA #1 NYPD HOUSING BUREAU (Continued) **U004151159**

Date Tank Closed:	Not reported
Register:	True
Modified By:	DAFRANCI
Last Modified:	10/23/2018
Material Name:	#2 fuel oil (on-site consumption)

AM180 **CON EDISON - MANHOLE 53062** **RCRA-LQG** **1016450297**
ENE **2860 WEST 23RD ST** **NY MANIFEST** **NYP004293213**
1/8-1/4 **BROOKLYN, NY 11224**
0.208 mi.
1098 ft. **Site 2 of 5 in cluster AM**

Relative: **Lower**
Actual: **1 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 53062
Handler Address:	2860 WEST 23RD ST
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004293213
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported

CON EDISON - MANHOLE 53062 (Continued) **1016450297**

Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130313
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported

CON EDISON - MANHOLE 53062 (Continued) **1016450297**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130313
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 53062
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130313
Handler Name: CON EDISON MANHOLE: 53062
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130413
Handler Name: CON EDISON MANHOLE: 53062
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

CON EDISON - MANHOLE 53062 (Continued) **1016450297**

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: 2860 W 23RD ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004293213
Facility Status: Not reported
Location Address 1: 2860 WEST 23RD ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004293213
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 03/13/2013
Trans1 Recv Date: 03/13/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/14/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004293213
Trans1 EPA ID: Not reported

CON EDISON - MANHOLE 53062 (Continued) **1016450297**

Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002016627GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	900
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AL181 **ROBIN BUS CO** **RCRA NonGen / NLR** **1000554272**
ENE **2302 NEPTUNE AVE** **FINDS** **NYD986967339**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.212 mi. **NY MANIFEST**
1117 ft. **Site 2 of 7 in cluster AL**

Relative: **Lower**
Actual: **1 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	ROBIN BUS CO	
Handler Address:		2302 NEPTUNE AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-2314
EPA ID:		NYD986967339
Contact Name:		Not reported
Contact Address:		NEPTUNE AVE
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported

ROBIN BUS CO (Continued) **1000554272**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		NEPTUNE AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	2302 NEPTUNE AVE	
Owner Type:		Private
Operator Name:	2302 NEPTUNE AVE	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

ROBIN BUS CO (Continued) **1000554272**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: 2302 NEPTUNE AVE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	UNKNOWN
Owner/Operator City,State,Zip:	UNKNOWN, NY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: 2302 NEPTUNE AVE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	UNKNOWN
Owner/Operator City,State,Zip:	UNKNOWN, NY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: 2302 NEPTUNE AVE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	UNKNOWN
Owner/Operator City,State,Zip:	UNKNOWN, NY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ROBIN BUS CO (Continued) **1000554272**

Historic Generators:

Receive Date:	19990708
Handler Name: ROBIN BUS CO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060101
Handler Name: ROBIN BUS CO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20070101
Handler Name: ROBIN BUS CO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19910710
Handler Name: ROBIN BUS CO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

ROBIN BUS CO (Continued) **1000554272**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004474630

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000554272
Registry ID:	110004474630
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004474630
Name:	ROBIN BUS CO
Address:	2302 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	ROBIN BUX CO
Address:	2302 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224-2314
Country:	USA
EPA ID:	NYD986967339
Facility Status:	Not reported
Location Address 1:	2302 NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986967339
Mailing Name:	ROBIN BUX CO
Mailing Contact:	VINCENT BONSIGNORE
Mailing Address 1:	2302 NEPTUNE AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported

ROBIN BUS CO (Continued) **1000554272**

Mailing Country:	USA
Mailing Phone:	7189963915

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	PAD982661381
Trans2 State ID:	NJ0000027193
Generator Ship Date:	10/20/2017
Trans1 Recv Date:	10/20/2017
Trans2 Recv Date:	10/25/2017
TSD Site Recv Date:	10/25/2017
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986967339
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	RID040098352
TSDF ID 2:	Not reported
Manifest Tracking Number:	010841297FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	16
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	Not reported
Waste Code 1_2:	D001
Waste Code 1_3:	D005
Waste Code 1_4:	D022
Waste Code 1_5:	D007
Waste Code 1_6:	D024

AN182
ESE
1/8-1/4
0.217 mi.
1144 ft.

CON EDISON
3054 W 22ND ST
BROOKLYN, NY 11224

Site 1 of 3 in cluster AN

NJ MANIFEST **S120673291**
N/A

Relative:
Higher

Actual:
3 ft.

NJ MANIFEST:

EPA Id:	NYP004800157
Mail Address:	IRVING PL 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	002619809GBF
EPA ID:	NYP004800157
Date Shipped:	6/29/2015
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported

CON EDISON (Continued) **S120673291**

Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

AN183 **CON EDISON** **RCRA NonGen / NLR** **1019904612**
ESE **3054 W 22ND ST** **FINDS** **NYP004800157**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.217 mi.
1144 ft. **Site 2 of 3 in cluster AN**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150629
Handler Name:	CON EDISON	
Handler Address:		3054 W 22ND ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004800157
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

CON EDISON (Continued) **1019904612**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160909
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150629
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20150629
Handler Name: CON EDISON	

CON EDISON (Continued) **1019904612**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069642729

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1019904612
Registry ID:	110069642729
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110069642729
Name:	CON EDISON
Address:	3054 W 22ND ST
City,State,Zip:	BROOKLYN, NY 11224

AN184 **CON EDISON** **NY MANIFEST** **S118257307**
ESE **3054 W 22ND ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.217 mi.
1144 ft. **Site 3 of 3 in cluster AN**

Relative:
Higher

Actual:
3 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	3054 W 22ND ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004800157

CON EDISON (Continued) **S118257307**

Facility Status:	Not reported
Location Address 1:	3054 W 22ND ST
Code:	BP
Location Address 2:	SB 53051
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004800157
Mailing Name:	CON EDISON
Mailing Contact:	DENNIS HUACON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	06/29/2015
Trans1 Recv Date:	06/29/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/06/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004800157
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002619809GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

CON EDISON (Continued) **S118257307**

Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	40
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AO185 **CON EDISON** **RCRA NonGen / NLR** **1018281114**
ESE **SURF AVE & 21ST ST** **FINDS** **NYP004760468**
1/8-1/4 **BROOKLYN, NY 11235** **ECHO**
0.220 mi.
1160 ft. **Site 1 of 5 in cluster AO**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150330
Handler Name:	CON EDISON	
Handler Address:		SURF AVE & 21ST ST
Handler City,State,Zip:		BROOKLYN, NY 11235
EPA ID:		NYP004760468
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

CON EDISON (Continued) **1018281114**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160502
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150330
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

CON EDISON (Continued) **1018281114**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150330
Handler Name: CON EDISON
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110067687257

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1018281114
Registry ID: 110067687257
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067687257
Name: CON EDISON
Address: SURF AVE & 21ST ST
City,State,Zip: BROOKLYN, NY 11235

Envid: 1018281114
Registry ID: 110067687266
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067687266

CON EDISON (Continued) **1018281114**

Name: CON EDISON
Address: W 22ND ST & SURF AVE
City,State,Zip: BROOKLYN, NY 11224

AO186 **CON EDISON** **RCRA NonGen / NLR** **1018281116**
ESE **SURF AVE & 22ND ST** **NYP004760484**
1/8-1/4 **BROOKLYN, NY 11235**
0.220 mi.
1160 ft. **Site 2 of 5 in cluster AO**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150330
Handler Name:	CON EDISON	
Handler Address:		SURF AVE & 22ND ST
Handler City,State,Zip:		BROOKLYN, NY 11235
EPA ID:		NYP004760484
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported

CON EDISON (Continued) **1018281116**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160502
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150330
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20150330
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

CON EDISON (Continued) **1018281116**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AO187 **NEW YORK TELEPHONE** **RCRA NonGen / NLR** **1007205151**
ESE **W 22 & SURF AVE** **NY MANIFEST** **NYP000912121**
1/8-1/4 **BROOKLYN, NY 11224**
0.221 mi.
1166 ft. **Site 3 of 5 in cluster AO**

Relative: **Higher**
Actual: **3 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		19940327
Handler Name:	NEW YORK TELEPHONE	
Handler Address:		W 22 & SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-0000
EPA ID:		NYP000912121
Contact Name:		JOHN QUATRALE
Contact Address:		1095 AVENUE OF THE AMERICAS
Contact City,State,Zip:		NEW YORK, NY 10036-0000
Contact Telephone:		212-395-2436 x9999
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		1095 AVENUE OF THE AMERICAS
Mailing City,State,Zip:		NEW YORK, NY 10036-0000
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

NEW YORK TELEPHONE (Continued) **1007205151**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	19940325
Handler Name: NEW YORK TELEPHONE	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY

NEW YORK TELEPHONE (Continued) **1007205151**

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940326
Handler Name: NEW YORK TELEPHONE
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940327
Handler Name: NEW YORK TELEPHONE
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 5133
NAICS Description: TELECOMMUNICATIONS

NAICS Code: 51331
NAICS Description: WIRED TELECOMMUNICATIONS CARRIERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: NYNEX
Address: W 22 & SURF AVE
City,State,Zip: BROOKLYN, NY 11224-0000
Country: USA
EPA ID: NYP000912121

NEW YORK TELEPHONE (Continued) **1007205151**

Facility Status: Not reported
Location Address 1: W 22ND ST & SURF AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP000912121
Mailing Name: NYNEX
Mailing Contact: R DEPASO
Mailing Address 1: 1095 AVE OF AMERI
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10036
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2123958544

AM188 **CON EDISON** **NY MANIFEST** **S117318119**
ENE **2832 W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.221 mi.
1169 ft. **Site 3 of 5 in cluster AM**

Relative:
Lower

Actual:
1 ft.

NY MANIFEST:
Name: CON EDISON
Address: 2832 W 23RD ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004656187
Facility Status: Not reported
Location Address 1: 2832 W 23RD ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004656187
Mailing Name: CON EDISON
Mailing Contact: TOM TELLING
Mailing Address 1: 4 IRVING PLACE-15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

CON EDISON (Continued) **S117318119**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2014
Trans1 Recv Date:	09/12/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/16/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004656187
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002617184GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AM189 **CAREY GARDENS** **NY UST** **U000410699**
ENE **2832 WEST 23RD STREET** **NY AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.221 mi.
1169 ft. **Site 4 of 5 in cluster AM**

Relative:
Lower

Actual:
1 ft.

UST:

Name:	CAREY GARDENS
Address:	2832 WEST 23RD STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473871 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	585417.91542
UTM Y:	4492334.58319
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20861
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	20861
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20861
Affiliation Type:	Facility Operator
Company Name:	CAREY GARDENS
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported

CAREY GARDENS (Continued) **U000410699**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20861
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPTARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	718-707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2008-09-15

Tank Info:

Tank Number:	1
Tank ID:	62938
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	10/01/2001
Date Tank Closed:	06/16/2017
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	02/23/2018

Equipment Records:

B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping

CAREY GARDENS (Continued) **U000410699**

C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
L08 - Piping Leak Detection - Tank Top Sump
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number: OLD 1
Tank ID: 37550
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 15000
Install Date: 12/01/1970
Date Tank Closed: 10/01/2001
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

AST:

Name: CAREY GARDENS
Address: 2832 WEST 23RD STREET
City,State,Zip: BROOKLYN, NY 11224
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-473871
Program Type: PBS
UTM X: 585417.91542
UTM Y: 4492334.58319
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 20861
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY

CAREY GARDENS (Continued) **U000410699**

Contact Type:	FUEL OIL REMEDIATION COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2019-04-19

Site Id:	20861
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20861
Affiliation Type:	Facility Operator
Company Name:	CAREY GARDENS
Contact Type:	Not reported
Contact Name:	NEW YORK CITY HOUSING AUTHORITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20861
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPTARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

CAREY GARDENS (Continued) **U000410699**

Zip Code:	Not reported
Country Code:	999
Phone:	718-707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2008-09-15

Tank Info:

Tank Number:	T1
Tank Id:	60282
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I03 - Overfill - Automatic Shut-Off

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/01/1999
Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/01/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

AM190 **CAREY GARDENS II -NYCHA** **NY LTANKS** **S105230039**
ENE **2832 WEST 23RD ST** **NY Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.221 mi.
1169 ft. **Site 5 of 5 in cluster AM**

Relative: **Lower**
Actual: **1 ft.**

LTANKS:

Name:	CAREY GARDENS II -NYCHA
Address:	2832 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9315471 / 2003-10-27
Facility ID:	9315471
Site ID:	62465
Spill Date:	1991-01-31
Spill Cause:	Tank Test Failure

CAREY GARDENS II -NYCHA (Continued) **S105230039**

Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1994-03-30
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-04-05
Spill Record Last Update:	2005-01-31
Spiller Name:	Not reported
Spiller Company:	NYCHA - JOE MONTELLA
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	219485
DEC Memo:	""
Remarks:	"LEAK RATE OF 0.06 GPH REPORTED AS PASSED BY TESTER."

All TTF:

Facility ID:	9315471
Spill Number:	9315471
Spill Tank Test:	1542577
Site ID:	62465
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	62465
Operable Unit ID:	993571
Operable Unit:	01
Material ID:	387222
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum

CAREY GARDENS II -NYCHA (Continued) **S105230039**

Quantity: -1.00
Units: L
Recovered: .00
Oxygenate: Not reported

SPILLS:
Name: CAREY GARDENS -NYCHA
Address: 2832 WEST 23RD ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 0107804 / 2014-07-16
Facility ID: 0107804
Facility Type: ER
DER Facility ID: 219485
Site ID: 269490
DEC Region: 2
Spill Cause: Unknown
Spill Class: B3
SWIS: 2401
Spill Date: 2001-10-31
Investigator: JKKANN
Referred To: Not reported
Reported to Dept: 2001-10-31
CID: 270
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2001-10-31
Spill Record Last Update: 2014-07-16
Spiller Name: CALLER
Spiller Company: NYC HOUSING AUTHORITY
Spiller Address: 23-02 49TH AVE
Spiller Company: 001
Contact Name: CALLEER
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY 11/01/2001: TOM HALL TELCON WITH NORMAN SEBOWSKI-NYCHA (718-707-5725) AT 1050 HRS. SEBOWSKI WILL HAVE MARIO MANDALONE UPDATE DEPARTMENT AS TO PROGRESS OF WORK. 11/01/2001: TOM HALL TELCON WITH MARIO MANDALONE AT 1510 HRS. 15K BEING REMOVED AND REPLACED WITH ANOTHER 15K. MODERATE CONTAMINATION ENCOUNTERED IN EXCAVATION. HORIZONTAL EXTENT OF CONTAMINATION SEEMS MINIMAL. VERTICAL EXTENT WILL BE DETERMINED. HOUSING AUTHORITY WILL SUBMIT CLOSURE DOCUMENTATION. 02/14/02 Reassigned from Hall (Region 7) to Kolleeny. 11/07/05: This spill transferred from J.Kolleeny to S.Kraszewski. 01/27/06: This spill transferred from S.Kraszewaski to Q.Abidi. 03/31/06: This spill transferred from Q. Abidi to Koon Tang. 6/11/09: JKann - Spill transfered to J.Kann. Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 01/28/2010: Remediation and other associated clean-up activities linked to this spill number is now under the oversight of Moses Ajoku, all correspondence related this case should be addressed

CAREY GARDENS II -NYCHA (Continued) **S105230039**

to me. (MA) 7/15/13: J.Kann - spill transferred from Moses Ajoku to J.Kann. 10/15/13: J.Kann - after reviewing the file, minimal impacts have been noted at this site. The 1996 investigation yielded not impacts to soil or grounwater. During tank removal (as stated above) some impacts to soil were noted. I requested any informaiton on the tank removal from NYCHA today via an email. After receiving a response from them, I will likely request that the two remaining wells be gauged and sampled so the site can be reviewed for closure. 6/13/14: J.kann - received a response from NYCHA. Some lab data was submitted for soil disposal during tank removal work on 10/16/13. In addition, NYCHA responded that a mobile boiler is in place at the site and much sand was washed up into the area as a result of Hurricane Sandy. Therefore, the two older wells are not accessible. I am considering site for closure. 7/16/14: J.Kann - received the RIR for the site on 6/25/14. 3 borings were advanced and 2 monitoring wells installed. Soil analysis was below CP-51 RSCOs. On constituent, naphthalene was detected in groundwater at 12ppb (TOGS guidance of 10ppb), otherwise all gw analysis was below TOGS 1.1.1. Reviewed report. Spill closed."

Remarks: "contaminated soil discovered from tank removal"

All Materials:

Site ID:	269490
Operable Unit ID:	845047
Operable Unit:	01
Material ID:	529066
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS -NYCHA
Address:	2832 WEST 23RD ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0401274 / 2005-11-07
Facility ID:	0401274
Facility Type:	ER
DER Facility ID:	219485
Site ID:	269491
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2004-05-06
Investigator:	SWKRASZE
Referred To:	Not reported
Reported to Dept:	2004-05-06
CID:	403
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False

CAREY GARDENS II -NYCHA (Continued) **S105230039**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-05-06
Spill Record Last Update:	2005-11-07
Spiller Name:	NORMAN ZABUSKI
Spiller Company:	Not reported
Spiller Address:	2832 WEST 23RD ST
Spiller Company:	001
Contact Name:	NORMAN ZABUSKI
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY 11/02/05: This spill transferred from J.Kolleeny to S.Kraszewski. "
Remarks:	"mechanical failure on a portable boiler on the fitting. spill has been cleaned up"

All Materials:

Site ID:	269491
Operable Unit ID:	883114
Operable Unit:	01
Material ID:	492488
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	10.00
Oxygenate:	Not reported

AL191 **SUFSIDE MARINA** **NY LTANKS** **S101340986**
NE **W. 22ND & W. 23RD STS** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.222 mi.
1172 ft. **Site 3 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

LTANKS:

Name:	SUFSIDE MARINA
Address:	W. 22ND & W. 23RD STS
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9406145 / 1994-08-05
Facility ID:	9406145
Site ID:	68579
Spill Date:	1994-08-05
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	1994-08-05
SWIS:	2401
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	1994-08-05
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Federal Government
Last Inspection:	Not reported

SUFSIDE MARINA (Continued) **S101340986**

Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-10-19
Spill Record Last Update:	2004-09-30
Spiller Name:	Not reported
Spiller Company:	MOBIL HOME TRAILER
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	65301
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TANG 10/10/95: This is additional information about material spilled from the translation of the old spill file: GARBAGE & RAW SEWAGE."
Remarks:	"REFER TO SPDES"

All Materials:

Site ID:	68579
Operable Unit ID:	1000314
Operable Unit:	01
Material ID:	379197
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

AP192 **NYCHA - CAREY GARDENS** **RCRA-VSQG** **1004762086**
East **2932 W 22ND ST** **FINDS** **NYR000093393**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.226 mi. **NJ MANIFEST**
1194 ft. **Site 1 of 2 in cluster AP** **NY MANIFEST**

Relative: **Lower**
Actual: **2 ft.**

RCRA-VSQG:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - CAREY GARDENS	
Handler Address:		2932 W 22ND ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000093393
Contact Name:		ANTHONY SOLOMITA
Contact Address:		49TH AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101-4528
Contact Telephone:		718-707-5731
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported

NYCHA - CAREY GARDENS (Continued) **1004762086**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		49TH AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101-4528
Owner Name:	NEW YORK CITY HOUSING AUTH	
Owner Type:		Municipal
Operator Name:	NEW YORK CITY HOUSING AUTH	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

NYCHA - CAREY GARDENS (Continued) **1004762086**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEW YORK CITY HOUSING AUTH
Legal Status:	Municipal
Date Became Current:	20010101
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone:	718-707-5731
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEW YORK CITY HOUSING AUTH
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone:	718-707-5731
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEW YORK CITY HOUSING AUTH
Legal Status:	Municipal
Date Became Current:	20010101
Date Ended Current:	Not reported
Owner/Operator Address:	23-02 49TH AVE
Owner/Operator City,State,Zip:	LONG ISLAND CITY, NY 11101-4528
Owner/Operator Telephone:	718-707-5731
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060101
Handler Name:	NYCHA - CAREY GARDENS
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator

NYCHA - CAREY GARDENS (Continued) **1004762086**

State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010123
Handler Name: NYCHA - CAREY GARDENS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004566666

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

NYCHA - CAREY GARDENS (Continued) **1004762086**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004762086
Registry ID:	110004566666
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004566666
Name:	NYCHA - CAREY GARDENS
Address:	2932 W 22ND ST
City,State,Zip:	BROOKLYN, NY 11224

NJ MANIFEST:

EPA Id:	NYR000093393
Mail Address:	2932 W 22ND STREET
Mail City/State/Zip:	BROOKLYN 11224
Facility Phone:	7183724100
Emergency Phone:	Not reported
Contact:	JOSE ORTEGA
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	NJA5086791
EPA ID:	NYR000093393
Date Shipped:	02/24/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000016279
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/24/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/03/2004

NYCHA - CAREY GARDENS (Continued) **1004762086**

TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04050421
Was Load Rejected:	BROOKLYN 11224
Reason Load Was Rejected:	Not reported

Manifest Number:	003634013JJK
EPA ID:	NYR000093393
Date Shipped:	5/30/2012
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BROOKLYN 11224
Reason Load Was Rejected:	Not reported

NYCHA - CAREY GARDENS (Continued) **1004762086**

Waste:
Manifest Year: Not reported
Waste Code: D001
Hand Code: Not reported
Quantity: 185.00 gallons

Manifest Year: Not reported
Waste Code: D002
Hand Code: Not reported
Quantity: 140.00 gallons

NY MANIFEST:
Name: NEW YORK HOUSING AUTHORITY CAREY GARDENS
Address: 2932 W 22ND ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYR000093393
Facility Status: Not reported
Location Address 1: 2932 W 22ND ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000093393
Mailing Name: NEW YORK HOUSING AUTHORITY CAREY GARDENS
Mailing Contact: JOSE ORTEGA
Mailing Address 1: 2932 W 22ND ST
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip: 11224
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7183724100

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 05/30/2012
Trans1 Recv Date: 05/30/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/30/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported

NYCHA - CAREY GARDENS (Continued) **1004762086**

Generator EPA ID:	NYR000093393
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	003634013JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	140
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D002
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AK193 **NYNEX** **NY MANIFEST** **1009233910**
WNW **W 33RD ST & NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11201**
0.226 mi.
1194 ft. **Site 2 of 3 in cluster AK**

Relative: **Higher**

Actual: **8 ft.**

NY MANIFEST:

Name:	NYNEX
Address:	W 33RD ST & NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11201
Country:	USA
EPA ID:	NYP000922898
Facility Status:	Not reported
Location Address 1:	W 33RD ST & NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11201
Location Zip 4:	Not reported

NYNEX (Continued) **1009233910**

NY MANIFEST:

EPAID:	NYP000922898
Mailing Name:	NYNEX
Mailing Contact:	SUSHMITA BISWAS
Mailing Address 1:	221 EAST 37TH STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10016
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2123387126

AK194 **CON EDISON** **NY MANIFEST** **S117737566**
WNW **W 33RD ST AND NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11235**
0.226 mi.
1194 ft. **Site 3 of 3 in cluster AK**

Relative:
Higher

Actual:
8 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	W 33RD ST AND NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11235
Country:	USA
EPA ID:	NYP004663225
Facility Status:	Not reported
Location Address 1:	W 33RD ST AND NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11235
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004663225
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	09/22/2014

CON EDISON (Continued) **S117737566**

Trans1 Recv Date:	09/22/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/22/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004663225
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002617404GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AQ195 **FRIENDSET APARTMENTS** **NY AST** **A100294087**
WSW **2911 WEST 36TH STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.227 mi.
1198 ft. **Site 1 of 3 in cluster AQ**

Relative:
Higher

Actual:
4 ft.

AST:

Name:	FRIENDSET APARTMENTS
Address:	2911 WEST 36TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-293210
Program Type:	PBS
UTM X:	584521.07605

FRIENDSET APARTMENTS (Continued) **A100294087**

UTM Y: 4491992.57403
Expiration Date: N/A
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 13371
Affiliation Type: Facility Owner
Company Name: FRIENDSET HOUSING COMPANY
Contact Type: ADMINISTRATIVE ASSISTANT
Contact Name: CHARISMA N. HILL
Address1: 70 PALISADE AVENUE
Address2: Not reported
City: ENGLEWOOD CLIFFS
State: NJ
Zip Code: 07632
Country Code: 001
Phone: 2014)2424-800
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 2016-05-09

Site Id: 13371
Affiliation Type: Mail Contact
Company Name: LIGHTHOUSE FRIENDSET LLC
Contact Type: Not reported
Contact Name: SHERILYN CRUZ
Address1: 2911 WEST 36TH STREET
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11225
Country Code: 001
Phone: (718) 946-7124
EMail: SHERILYN@LHAPTS.COM
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 2016-05-09

Site Id: 13371
Affiliation Type: Facility Operator
Company Name: FRIENDSET APARTMENTS
Contact Type: Not reported
Contact Name: SHERILYN CRUZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 946-7124
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 2016-05-09

Site Id: 13371
Affiliation Type: Emergency Contact

FRIENDSET APARTMENTS (Continued) **A100294087**

Company Name:	FRIENDSET HOUSING COMPANY
Contact Type:	Not reported
Contact Name:	ELENA LINNIK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(215) 639-2800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Tank Info:

Tank Number:	002
Tank Id:	210041
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	B00 - Tank External Protection - None
	E04 - Piping Secondary Containment - Double walled UG
	F00 - Pipe External Protection - None
	H00 - Tank Leak Detection - None
	C03 - Pipe Location - Aboveground/Underground Combination
	J02 - Dispenser - Suction Dispenser
	I04 - Overfill - Product Level Gauge (A/G)
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	K00 - Spill Prevention - None
	G02 - Tank Secondary Containment - Vault (w/access)
	I05 - Overfill - Vent Whistle
	L03 - Piping Leak Detection - Vapor Well
Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	02/10/2004
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/13/2014
Register:	True
Modified By:	CGFREEDM
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

AQ196 **FRIENDSET APARTMENTS** **NY UST** **U004077569**
WSW **2911 WEST 36TH STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.227 mi.
1198 ft. **Site 2 of 3 in cluster AQ**

Relative:
Higher

Actual:
4 ft.

UST:

Name:	FRIENDSET APARTMENTS
Address:	2911 WEST 36TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-293210 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	584521.07605
UTM Y:	4491992.57403
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	13371
Affiliation Type:	Facility Owner
Company Name:	FRIENDSET HOUSING COMPANY
Contact Type:	ADMINISTRATIVE ASSISTANT
Contact Name:	CHARISMA N. HILL
Address1:	70 PALISADE AVENUE
Address2:	Not reported
City:	ENGLEWOOD CLIFFS
State:	NJ
Zip Code:	07632
Country Code:	001
Phone:	2014)2424-800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Site Id:	13371
Affiliation Type:	Mail Contact
Company Name:	LIGHTHOUSE FRIENDSET LLC
Contact Type:	Not reported
Contact Name:	SHERILYN CRUZ
Address1:	2911 WEST 36TH STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11225
Country Code:	001
Phone:	(718) 946-7124
EMail:	SHERILYN@LHAPTS.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Site Id:	13371
Affiliation Type:	Facility Operator
Company Name:	FRIENDSET APARTMENTS
Contact Type:	Not reported
Contact Name:	SHERILYN CRUZ
Address1:	Not reported

FRIENDSET APARTMENTS (Continued) **U004077569**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 946-7124
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Site Id:	13371
Affiliation Type:	Emergency Contact
Company Name:	FRIENDSET HOUSING COMPANY
Contact Type:	Not reported
Contact Name:	ELENA LINNIK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(215) 639-2800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	2016-05-09

Tank Info:

Tank Number:	001
Tank ID:	15243
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	06/01/1979
Date Tank Closed:	12/06/2003
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	KXTANG
Last Modified:	04/14/2017

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G07 - Tank Secondary Containment - Excavation Liner

FRIENDSET APARTMENTS (Continued) **U004077569**

I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
H03 - Tank Leak Detection - Vapor Well

AQ197 **FRIENDSET APARTMENTS** **NY LTANKS** **S105997613**
WSW **2911 WEST 36TH STREET** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.227 mi.
1198 ft. **Site 3 of 3 in cluster AQ**

Relative: **Higher**
Actual: **4 ft.**

LTANKS:

Name:	FRIENDSET APARTMENTS
Address:	2911 WEST 36TH STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0209442 / 2008-12-04
Facility ID:	0209442
Site ID:	137964
Spill Date:	2002-12-13
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jbvought
Referred To:	Not reported
Reported to Dept:	2002-12-13
CID:	196
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-12-13
Spill Record Last Update:	2008-12-08
Spiller Name:	MONA FISHMAN
Spiller Company:	FRIENDSET HOUSING COMPANY
Spiller Address:	9200 KEYSTONE CROSSING
Spiller County:	999
Spiller Contact:	RENE LEWIS
Spiller Phone:	(917) 299-7257
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	117976
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE Tank Testing from DEC DO 1/14/04 TIPPLE SENT REQUEST FOR DOCUMENTATION 11/7/08-Vought-Spill transferred from DEC Kuldeep Gupta to DEC Vought due to inquiry from Jesse Curll (Friends Set Apartments 781-849-1471x105). As per PBS #2-293210, owner of site is: Friendset Housing Company 9200 Keystone Crossing Suite 500 Indianapolis, In 46240-7602 Operator: Mona Fishman (718)946-7124 Mail to: AIMCO/NHP Management Co. 2911 West 36th Street Brooklyn, NY 11224 Contact: Mona Fishman Ph: 718-946-7124 As per PBS registration, site has 6000-gallon in service #2 fuel oil Aboveground AST with no contact to soil and a closed in place 15,000-gallon #2 fuel oil UST closed in

FRIENDSET APARTMENTS (Continued) **S105997613**

place in 12/6/03. Vought called and spoke to Jesse and work was performed by S and S Energy and Associated Environmental. Jesse will inquire to Associated Environmental and return call.
11/24/08-Vought-DEC Sangesland received message from Jennifer Upchurch (800-773-0660x7626) requesting spill closure.
11/18/08-Vought-Called Curll and left message to return call to DEC.
11/24/08-Vought-DEC Sangesland received call from Jennifer Upchurch (800-733-0660 requesting status on spill closure.
12/04/08-Vought-Reviewed report received via email from Jesse Curll on 11/24. Email included prior correspondence to DEC dated 8/4/03 from SNS Energy Distribution Corporation (Stuart Schwartz 631-891-1700). Lines were pressure tested and foudn that the vetn line fittings have corroded which was the cause of the tank test failure . Associated Environmental performed soil borings. Request for spill closure. Enclosed also is Eastmond and Sons (718-378-3000) invoice dated 1/03/03 that 15,000-gallon UST was pressure washed. Letter from SNS dated 2/4/03 shows tank was opened and inspected and filled with lightweight concrete and lines that were not used were capped including suction, return, fill and vent. Enclosed is also Limited Subsurface Investigation from Associated Environmental Services (631-234-4280). Associated retained by Bill Likos and investigation performed via Geoprobe around the UST. Soil samples had no olfactory odor or visual staining. Composite sample collected from 6-9'bg. Soil samples showed non-detect VOCs and some PAH exceedences attributable to fill material. Spill closed by Vought due to non-detect soil samples and fact that failure came from vent pipe fittings whihc are above oil line. NFA sent to: Mr. Jesse Curll AIMCO - Boston 639 Granite Street, Suite 312 Braintree, MA 02184 Fax:(781) 849-7652 Phone:(781) 849-1471x105"

Remarks: "Tank has been empty. retest at later date."

All TTF:

Facility ID:	0209442
Spill Number:	0209442
Spill Tank Test:	1527829
Site ID:	137964
Tank Number:	1
Tank Size:	15000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	137964
Operable Unit ID:	860778
Operable Unit:	01
Material ID:	516413
Material Code:	0001A
Material Name:	#2 fuel oil

FRIENDSET APARTMENTS (Continued) **S105997613**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AR198 **CON EDISON** **RCRA NonGen / NLR** **1018280834**
WSW **W 36TH ST & SURF AVE** **ECHO** **NYP004757423**
1/8-1/4 **BROOKLYN, NY 11224**
0.229 mi.
1211 ft. **Site 1 of 3 in cluster AR**

Relative: **Higher**
Actual: **5 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150325
Handler Name:	CON EDISON	
Handler Address:		W 36TH ST & SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYP004757423
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

CON EDISON (Continued) **1018280834**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160502
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150325
Handler Name: CON EDISON	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20150325
Handler Name: CON EDISON	

CON EDISON (Continued) **1018280834**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ECHO:

Envid:	1018280834
Registry ID:	110067682458
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110067682458
Name:	CON EDISON
Address:	W 36TH ST & SURF AVE
City,State,Zip:	BROOKLYN, NY 11224

AR199 **CON EDISON - MANHOLE 42310** **RCRA-LQG** **1016150071**
WSW **SURF AVE** **NY MANIFEST** **NYP004287421**
1/8-1/4 **BROOKLYN, NY 11224**
0.229 mi.
1211 ft. **Site 2 of 3 in cluster AR**

Relative:
Higher

Actual:
5 ft.

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 42310
Handler Address:	SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11224
EPA ID:	NYP004287421
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY

CON EDISON - MANHOLE 42310 (Continued) **1016150071**

State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

CON EDISON - MANHOLE 42310 (Continued) **1016150071**

Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130206
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status: Private
Date Became Current: 20130206
Date Ended Current: Not reported
Owner/Operator Address: 4 IRVING PLACE
Owner/Operator City,State,Zip: NEW YORK, NY 10003
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 42310
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130206

CON EDISON - MANHOLE 42310 (Continued) **1016150071**

Handler Name: CON EDISON MANHOLE: 42310
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: SURF AVE & W 36TH ST SW COR
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004287421
Facility Status: Not reported
Location Address 1: SWC SURF AVE & W 36 ST
Code: BP
Location Address 2: MH # 42314
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11201
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004287421
Mailing Name: CON EDISON
Mailing Contact: TOM TEELING
Mailing Address 1: 4 IRVING PLACE 15TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124603770

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported

CON EDISON - MANHOLE 42310 (Continued) **1016150071**

seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/06/2013
Trans1 Recv Date:	02/06/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/07/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004287421
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002015970GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AR200 **CON EDISON - MANHOLE 42314** **RCRA-LQG** **1016150072**
WSW **SURF AVE** **NY MANIFEST** **NYP004287439**
1/8-1/4 **BROOKLYN, NY 11224**
0.229 mi.
1211 ft. **Site 3 of 3 in cluster AR**

Relative: **Higher**
Actual: **5 ft.**

RCRA-LQG:

Date Form Received by Agency:	20140327
Handler Name:	CON EDISON - MANHOLE 42314
Handler Address:	SURF AVE
Handler City,State,Zip:	BROOKLYN, NY 11224

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

EPA ID:	NYP004287439
Contact Name:	DENNIS HUACON
Contact Address:	IRVING PLACE, 15TH FL NE
Contact City,State,Zip:	NEW YORK, NY 10003
Contact Telephone:	212-460-2757
Contact Fax:	518-473-8034
Contact Email:	HUACOND@CONED.COM
Contact Title:	ASSOCIATE SCIENTIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2013
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PLACE, 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner Type:	Private
Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130206
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20130206
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

Historic Generators:
Receive Date: 20140327
Handler Name: CON EDISON - MANHOLE 42314
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130206
Handler Name: CON EDISON MANHOLE: 42314
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CON EDISON
Address: SURF AVE & W 36TH ST NE COR
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYP004287439
Facility Status: Not reported
Location Address 1: NWC SURF AVE & W 36 ST
Code: BP
Location Address 2: MH # 42310
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11201
Location Zip 4: Not reported

NY MANIFEST:

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

EPAID:	NYP004287439
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/06/2013
Trans1 Recv Date:	02/06/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/07/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004287439
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002015969GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported

CON EDISON - MANHOLE 42314 (Continued) **1016150072**

Waste Code 1_4: Not reported
Waste Code 1_5: Not reported
Waste Code 1_6: Not reported

AL201 **NYC PARKS** **NY LTANKS** **S105054704**
NE **WEST 23RD ST & NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.230 mi.
1216 ft. **Site 4 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

LTANKS:
Name: NYC PARKS
Address: WEST 23RD ST & NEPTUNE AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 0100863 / 2008-06-13
Facility ID: 0100863
Site ID: 159580
Spill Date: 2001-04-23
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: B3
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 2001-04-23
CID: 382
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2001-04-23
Spill Record Last Update: 2008-06-13
Spiller Name: ANDRE LAPRE
Spiller Company: NYC PARKS
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: MICHAEL COLLINS
Spiller Phone: (631) 586-4900
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 134794
DEC Memo: "6/13/08. J.Krimgold reviewed the Site Assessment Report prepared by Empire Environmental Services and dated June 24, 2003. Base on the data presented in the report no contaminant concentrations were found above TAGM levels in soil. GW was not encountered and analyzed during investigation or tank closure. Tank (PBS #2-604990) was closed in place. NFA. JMK. "
Remarks: "ULAGE FAILURE."

All TTF:
Facility ID: 0100863
Spill Number: 0100863
Spill Tank Test: 1526241

NYC PARKS (Continued) **S105054704**

Site ID:	159580
Tank Number:	Not reported
Tank Size:	1500
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	159580
Operable Unit ID:	839712
Operable Unit:	01
Material ID:	560363
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AL202 **CON EDISON** **RCRA NonGen / NLR** **1018281117**
NE **NEPTUNE AVE & W 23RD ST** **FINDS** **NYP004760492**
1/8-1/4 **BROOKLYN, NY 11235** **ECHO**
0.230 mi.
1216 ft. **Site 5 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150330
Handler Name:	CON EDISON	
Handler Address:		NEPTUNE AVE & W 23RD ST
Handler City,State,Zip:		BROOKLYN, NY 11235
EPA ID:		NYP004760492
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY

CON EDISON (Continued) **1018281117**

State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20160502
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No

CON EDISON (Continued) **1018281117**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20150330
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Legal Status:	Private
Date Became Current:	20150330
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20160205
Handler Name:	CON EDISON - MANHOLE 36394
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date: 20150330

CON EDISON (Continued) **1018281117**

Handler Name: CON EDISON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150330
Handler Name: CON EDISON
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110067687275

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1018281117
Registry ID: 110067687275

CON EDISON (Continued) **1018281117**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067687275
Name: CON EDISON
Address: NEPTUNE AVE & W 23RD ST
City,State,Zip: BROOKLYN, NY 11235

AL203 **CON EDISON** **NJ MANIFEST** **S120669819**
NE **NEPTUNE AVE & W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11235**
0.230 mi.
1216 ft. **Site 6 of 7 in cluster AL**

Relative: **Lower**
Actual: **0 ft.**

NJ MANIFEST:

EPA Id:	NYP004760492
Mail Address:	IRVING PL, 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	002618827GBF
EPA ID:	NYP004760492
Date Shipped:	3/30/2015
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported

CON EDISON (Continued) **S120669819**

Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

AL204 **CON ED** **NY MANIFEST** **S119074028**
NE **NEPTUNE AVE & W 23RD ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11235**
0.230 mi.
1216 ft. **Site 7 of 7 in cluster AL**

Relative:
Lower

Actual:
0 ft.

NY MANIFEST:

Name:	CON ED
Address:	NEPTUNE AVE & W 23RD ST
City,State,Zip:	BROOKLYN, NY 11235
Country:	USA
EPA ID:	NYP004760492
Facility Status:	Not reported
Location Address 1:	NEPTUNE & W 23 ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11235
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004760492
Mailing Name:	CON ED
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	NJD003812047
Generator Ship Date:	03/30/2015

CON ED (Continued) **S119074028**

Trans1 Recv Date:	03/30/2015
Trans2 Recv Date:	04/01/2015
TSD Site Recv Date:	04/01/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004760492
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002618827GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AS205 **NYC-HA GRAVESEND HOUSES** **RCRA NonGen / NLR** **1000550108**
WNW **2719 W 33RD ST** **US AIRS** **NYD986870780**
1/8-1/4 **BROOKLYN, NY 11224** **FINDS**
0.234 mi. **ECHO**
1233 ft. **Site 1 of 6 in cluster AS** **NY MANIFEST**

Relative:
Higher

Actual:
8 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	NYCHA - GRAVESEND	
Handler Address:		2793 W 33RD ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYD986870780
Contact Name:		Not reported
Contact Address:		BRAODWAY
Contact City,State,Zip:		NEW YORK, NY 10007
Contact Telephone:		Not reported

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		BRAODWAY
Mailing City,State,Zip:		NEW YORK, NY 10007
Owner Name:	NYC HOUSING AUTHORITY	
Owner Type:		Municipal
Operator Name:	NYC HOUSING AUTHORITY	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	NONE
Waste Description:	Not Defined
Waste Code:	U240
Waste Description:	2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	250 BROADWAY
Owner/Operator City,State,Zip:	NEW YORK, NY 10007
Owner/Operator Telephone:	212-306-3229
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NYC HOUSING AUTHORITY	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Owner/Operator Address: 250 BROADWAY
Owner/Operator City,State,Zip: NEW YORK, NY 10007
Owner/Operator Telephone: 212-306-3229
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19980403
Handler Name: NYCHA - GRAVESEND
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: NYCHA - GRAVESEND
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: NYCHA - GRAVESEND
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980227
Handler Name: NYCHA - GRAVESEND
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

US AIRS (AFS):
Envid: 1000550108
Region Code: 02
County Code: NY047
Programmatic ID: AIR NY0000002610700156
Facility Registry ID: 110004555400
D and B Number: Not reported
Facility Site Name: NYC-HA GRAVESEND HOUSES
Primary SIC Code: 6513
NAICS Code: 531110
Default Air Classification Code: SMI
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS (AFS):
Region Code: 02
Programmatic ID: AIR NY0000002610700156
Facility Registry ID: 110004555400
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1977-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000002610700156
Facility Registry ID: 110004555400
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Registry ID: 110004555400

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
AIR SYNTHETIC MINOR
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000550108
Registry ID:	110004555400
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004555400
Name:	NYC-HA GRAVESEND HOUSES
Address:	2719 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	NYC HOUSING AUTHORITY
Address:	2793 W 33RD ST
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYD986870780
Facility Status:	Not reported
Location Address 1:	2793 W 33RD ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986870780
Mailing Name:	NYC HOUSING AUTHORITY
Mailing Contact:	RAY VELEZ
Mailing Address 1:	250 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2123063142

NY MANIFEST:

Document ID:	Not reported

NYC-HA GRAVESEND HOUSES (Continued) **1000550108**

Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	MAC300016672
Trans2 State ID:	NYD982792814
Generator Ship Date:	01/21/2013
Trans1 Recv Date:	01/21/2013
Trans2 Recv Date:	01/21/2013
TSD Site Recv Date:	01/24/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986870780
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	OHD048415665
TSDF ID 2:	Not reported
Manifest Tracking Number:	005731012FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H040
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2092
Units:	P - Pounds
Number of Containers:	4
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AS206 **BAY PK I** **NY UST** **U001834516**
WNW **3325 NEPTUNE AVE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.234 mi.
1233 ft. **Site 2 of 6 in cluster AS**

Relative:
Higher

Actual:
8 ft.

UST:

Name:	BAY PK I
Address:	3325 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-291668 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	07/07/2022
UTM X:	584572.78906
UTM Y:	4492342.84673
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	13235
Affiliation Type:	Facility Owner
Company Name:	BAY PK I CO
Contact Type:	DIRECTOR OF FIELD OPERATIONS
Contact Name:	JOHN MULHOLLAND
Address1:	1230 PENNSYLVANIA AVE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11239
Country Code:	001
Phone:	(718) 642-8700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2017-06-29

Site Id:	13235
Affiliation Type:	Mail Contact
Company Name:	GRENADIER REALTY CORP.
Contact Type:	Not reported
Contact Name:	JOHN MULHOLLAND A/A/F
Address1:	BAY PK I CO
Address2:	1230 PENNSYLVANIA AVE
City:	BROOKLYN
State:	NY
Zip Code:	11239
Country Code:	001
Phone:	(718) 642-8700
EMail:	JMULHOLLAND@GRCREALTY.COM
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2017-06-29

Site Id:	13235
Affiliation Type:	Facility Operator
Company Name:	BAY PK I
Contact Type:	Not reported
Contact Name:	GRENADIER REALTY ENERGY SERV
Address1:	Not reported

BAY PK I (Continued) **U001834516**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 946-6070
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	13235
Affiliation Type:	Emergency Contact
Company Name:	BAY PK I CO
Contact Type:	Not reported
Contact Name:	ALEX SANTIAGO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 996-5346
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MFLEONAR
Date Last Modified:	2017-06-29

Tank Info:

Tank Number:	001
Tank ID:	11914
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	25000
Install Date:	01/20/1977
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	34
Date Test:	01/14/2020
Next Test Date:	01/14/2021
Pipe Model:	Not reported
Modified By:	TankSys
Last Modified:	10/15/2020

Equipment Records:

H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None

BAY PK I (Continued) **U001834516**

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

AS207 **PUBLIC SCHOOL 188 - BROOKLYN K188** **NY AST** **A100129120**
WNW **3314 NEPTUNE AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.236 mi.
1247 ft. **Site 3 of 6 in cluster AS**

Relative:
Higher

Actual:
8 ft.

AST:

Name:	PUBLIC SCHOOL 188 - BROOKLYN K188
Address:	3314 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-603797
Program Type:	PBS
UTM X:	584629.61533
UTM Y:	4492270.39964
Expiration Date:	N/A
Site Type:	School

Affiliation Records:

Site Id:	25700
Affiliation Type:	Facility Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	MUNENDRA SHARMA
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	Not reported
Fax Number:	Not reported
Modified By:	ACDANIEL
Date Last Modified:	2018-07-17

Site Id:	25700
Affiliation Type:	Mail Contact
Company Name:	NYC DEPT. OF EDUCATION
Contact Type:	Not reported
Contact Name:	MUNENDRA SHARMA
Address1:	FIELD OPERATIONS - FUEL DIV.
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5752
EMail:	MSHARMA@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	MSBAPTIS

PUBLIC SCHOOL 188 - BROOKLYN K188 (Continued) **A100129120**

Date Last Modified: 2014-06-11

Site Id: 25700
Affiliation Type: Facility Operator
Company Name: PUBLIC SCHOOL 188 - BROOKLYN K188
Contact Type: Not reported
Contact Name: SALVATORE CASELLA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 265-7580
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2017-10-31

Site Id: 25700
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type: Not reported
Contact Name: KEN MAHADEO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (646) 210-7918
EMail: Not reported
Fax Number: Not reported
Modified By: JSMACRI
Date Last Modified: 2021-12-22

Tank Info:

Tank Number: 1
Tank Id: 55581
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

E00 - Piping Secondary Containment - None
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
F04 - Pipe External Protection - Fiberglass
J02 - Dispenser - Suction Dispenser
G02 - Tank Secondary Containment - Vault (w/access)
C01 - Pipe Location - Aboveground
F05 - Pipe External Protection - Jacketed
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating

PUBLIC SCHOOL 188 - BROOKLYN K188 (Continued) **A100129120**

D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	11/01/1998
Capacity Gallons:	10000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/02/2017
Register:	True
Modified By:	DAFRANCI
Last Modified:	10/31/2017
Material Name:	#2 fuel oil (on-site consumption)

AT208 **PUBLIC SCHOOL 188 K** **RCRA-LQG** **1014399867**
West **2815 W 35TH ST** **NY MANIFEST** **NYR000179572**
1/8-1/4 **BROOKLYN, NY 11224** **NJ MANIFEST**
0.237 mi.
1253 ft. **Site 1 of 2 in cluster AT**

Relative: **Higher**
Actual: **8 ft.**

RCRA-LQG:

Date Form Received by Agency:		20120217
Handler Name:	PUBLIC SCHOOL 188 K	
Handler Address:		2815 W 35TH ST
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYR000179572
Contact Name:		ALEXANDER LEMPERT
Contact Address:		THOMSON AVE
Contact City,State,Zip:		LONG ISLAND CITY, NY 11101
Contact Telephone:		718-472-8501
Contact Fax:		Not reported
Contact Email:		ALEMPERT@NYCSCA.ORG
Contact Title:		SCA IEH DIRECTOR
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2011
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		THOMSON AVE
Mailing City,State,Zip:		LONG ISLAND CITY, NY 11101
Owner Name:	NYC DEPT OF ED	
Owner Type:		Municipal
Operator Name:	NYC DEPT OF ED	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: NYC DEPT OF ED
Legal Status: Municipal
Date Became Current: 19240101
Date Ended Current: Not reported
Owner/Operator Address: 44-36 VERNON BLVD
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NYC DEPT OF ED
Legal Status: Municipal
Date Became Current: 19240101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY DEPT OF SCHOOL FACILITIES
Legal Status: Municipal
Date Became Current: 19230101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW YORK CITY DEPT OF SCHOOL FACILITIES
Legal Status: Municipal
Date Became Current: 19230101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK CITY DEPT OF EDUCATION
Legal Status: Municipal
Date Became Current: 19230101
Date Ended Current: Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Owner/Operator Address: 30-30 THOMSON AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101
Owner/Operator Telephone: 718-472-8501
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEW YORK CITY DEPT OF EDUCATION
Legal Status: Municipal
Date Became Current: 19230101
Date Ended Current: Not reported
Owner/Operator Address: 30-30 THOMSON AVE
Owner/Operator City,State,Zip: LONG ISLAND CITY, NY 11101
Owner/Operator Telephone: 718-472-8501
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120217
Handler Name: PUBLIC SCHOOL 188 K
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120120
Handler Name: NYC DEPT OF ED - PUBLIC SCHOOL 188K
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20101213
Handler Name: NYC DEPT OF ED - PUBLIC SCHOOL 188K
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 61111
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: NYC DEPT OF ED - PUBLIC SCHOOL 188K
Address: 2815 W 35TH ST
City,State,Zip: BROOKLYN, NY 11224
Country: USA
EPA ID: NYR000179572
Facility Status: Not reported
Location Address 1: 2815 W 35TH STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000179572
Mailing Name: NYC DEPT OF ED - PUBLIC SCHOOL 188K
Mailing Contact: NEW YORK CITY SCHOOL CONSTRUCTION
Mailing Address 1: 30-30 THOMPSON AVE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: MAC300016672
Trans2 State ID: NYD982792814
Generator Ship Date: 12/07/2012
Trans1 Recv Date: 12/07/2012
Trans2 Recv Date: 12/12/2012
TSD Site Recv Date: 12/17/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Generator EPA ID:	NYR000179572
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	OHD048415665
TSDF ID 2:	Not reported
Manifest Tracking Number:	004137871FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H040
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	380
Units:	P - Pounds
Number of Containers:	3
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

NJ MANIFEST:

EPA Id:	NYR000179572
Mail Address:	THOMSON AVE
Mail City/State/Zip:	LONG ISLAND CITY, NY 11101
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	ALEXANDER LEMPERT
Comments:	Not reported
SIC Code:	Not reported
County:	NY047
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	007939989JJK

PUBLIC SCHOOL 188 K (Continued) **1014399867**

EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	54,040.00 Pounds

Manifest Number:	007939982JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	48,480.00 Pounds

Manifest Number:	007939991JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	66,080.00 Pounds

Manifest Number:	007939986JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	51,240.00 Pounds

Manifest Number:	007939988JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	47,420.00 Pounds

Manifest Number:	007939983JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	50,580.00 Pounds

Manifest Number:	007939995JJK
EPA ID:	NYR000179572

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	47,380.00 Pounds

Manifest Number:	007939985JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	59,000.00 Pounds

Manifest Number:	007939994JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	37,600.00 Pounds

Manifest Number:	007939984JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	48,180.00 Pounds

Manifest Number:	007939981JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	56,020.00 Pounds

Manifest Number:	007939987JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	56,360.00 Pounds

Manifest Number:	007939993JJK
EPA ID:	NYR000179572
Date Shipped:	1/8/2011
TSDF EPA ID:	NJD991291105

PUBLIC SCHOOL 188 K (Continued) **1014399867**

Transporter EPA ID:	NJR000029967
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	LONG ISLAND CITY, NY 11101
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	43,120.00 Pounds

AO209 **DIAL FRENCH CLEANERS** **NY DRYCLEANERS** **S110246389**
ESE **2115 SURF AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.239 mi.
1262 ft. **Site 4 of 5 in cluster AO**

Relative: DRYCLEANERS:
Lower

Name:	DIAL FRENCH CLEANERS
Address:	2115 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Facility ID:	2-6107-00534
Phone Number:	718-946-2402

Actual:
2 ft.

DIAL FRENCH CLEANERS (Continued) **S110246389**

Region:	Not reported
Registration Effective Date:	N/A
Inspection Date:	2003-11-20 00:00:00
Install Date:	Not reported
Expiration Date:	Not reported
Removal Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Y
Alternate Solvent:	Not reported
Current Business:	Not reported

AO210 **KING CLEANERS** **RCRA NonGen / NLR** **1000274219**
ESE **2115 SURF AVE** **FINDS** **NYD982529919**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.239 mi. **NY MANIFEST**
1262 ft. **Site 5 of 5 in cluster AO**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	KING CLEANERS	
Handler Address:		2115 SURF AVE
Handler City,State,Zip:		BROOKLYN, NY 11224
EPA ID:		NYD982529919
Contact Name:		ABDRLRAHMAN ABUHAMAD
Contact Address:		SURF AVE
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		718-266-3849
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		SURF AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	ABDRLRAHMAN ABUHAMAD	- KING CLEANERS
Owner Type:		Private
Operator Name:	ABDRLRAHMAN ABUHAMAD	- KING CLEANERS
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No

KING CLEANERS (Continued) **1000274219**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

KING CLEANERS (Continued) **1000274219**

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ABDRLRAHMAN ABUHAMAD - KING CLEANERS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2115 SURF AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224
Owner/Operator Telephone: 718-266-3849
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ABDRLRAHMAN ABUHAMAD - KING CLEANERS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2115 SURF AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224
Owner/Operator Telephone: 718-266-3849
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ABDRLRAHMAN ABUHAMAD - KING CLEANERS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2115 SURF AVE
Owner/Operator City,State,Zip: BROOKLYN, NY 11224
Owner/Operator Telephone: 718-266-3849
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101

KING CLEANERS (Continued) **1000274219**

Handler Name: KING CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: KING CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19970326
Handler Name: KING CLEANERS
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19931230
Actual Return to Compliance Date: 19951117
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19940330
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No

KING CLEANERS (Continued) **1000274219**

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	VERBAL INFORMAL
Enforcement Responsible Person:	R2PL
Enforcement Responsible Sub-Organization:	RCB
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19931230
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2TRC
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	19951117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110004421420

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

KING CLEANERS (Continued) **1000274219**

ECHO:

Envid:	1000274219
Registry ID:	110004421420
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004421420
Name:	KING CLEANERS
Address:	2115 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:

Name:	DIAL FRENCH CLNRS
Address:	2115 SURF AVE
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYD982529919
Facility Status:	Not reported
Location Address 1:	2115 SURF AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD982529919
Mailing Name:	DIAL FRENCH CLNRS
Mailing Contact:	DIAL FRENCH CLNRS
Mailing Address 1:	2115 SURF AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7182654900

AS211 **FORMER GATEWAY FRENCH DRY CLEANERS** **NY SHWS** **S112211617**
WNW **3375-3377 NEPTUNE AVENUE** **NY ENG CONTROLS** **N/A**
1/8-1/4 **BROOKLYN, NY 11224** **NY INST CONTROL**
0.241 mi. **NY BROWNFIELDS**
1273 ft. **Site 4 of 6 in cluster AS**

Relative: Higher

Actual: 7 ft.

SHWS:

Name:	FORMER GATEWAY FRENCH CLEANER
Address:	3375-3377 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Program:	HW
Site Code:	447564
Classification:	N
Region:	2
Acres:	0.040
HW Code:	224151
Record Add:	04/06/2011
Record Upd:	10/26/2012
Updated By:	SRHEIGEL

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Site Description:	"The site is a small portion of the parcel located at 3325 Neptune Avenue, Brooklyn, New York which was operated as dry cleaner from about 1986 to 1995 based on hazardous waste manifest records. The property was identified as Block 6979 Lot 100 in Kings County, New York. The former dry cleaner portion of the property was renovated for commercial usage after the dry cleaner terminated its operation at this location. The site is currently occupied by Neptune Dental and Medical. The size of the proposed site is about 0.04 acres. The site entered the Brownfield Cleanup Program ? see site no. C224151. "
Env Problem:	"Preliminary investigations conducted at the site indicated that the contaminant of concern is Tetrachloroethylene (PCE). PCE was found in sub-slab soil vapor on site with concentration up to 25,000 ug/m3. PCE was detected in 4 of the 10 temporary groundwater monitoring wells, and one well had a concentration marginally above groundwater standards at 5.8ug/l. Additional investigation is needed to identify the source of the PCE. "
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	4
Sub Type:	05
Owner Name:	Not reported
Owner Company:	Neptune Dental and Medical
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	NY
Owner Country:	United States of America
Own Op:	1
Sub Type:	02
Owner Name:	Peter Gray
Owner Company:	Coney IslandSite 4A-1 Houses, Inc.
Owner Address:	1345 Avenue of the Americas
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10105
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

ENG CONTROLS:

Name:	FORMER GATEWAY FRENCH DRY CLEANERS
Address:	3375-3377 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Site Code:	468402
HW Code:	C224151
Control Code:	15
Control Type:	ENG
Date Record Added:	11/07/2016
Date Rec Updated:	07/23/2021
Updated By:	LSZINOMA
Site Description:	"Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."
Env Problem:	"Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem:	"Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2012-09-06 11:35:00
Record Upd:	2014-12-09 11:28:00
Updated By:	RJCOZZY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Angela Barnes
Owner Company:	Coney Island Library
Owner Address:	1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P02
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address:	70 East 55th Street, 7th Flooor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	Document Repository

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Sub Type:	C01
Owner Name:	Stephen Moran
Owner Company:	brooklyn community Board 13
Owner Address:	1201 surf Avenue 3rd Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address:	70 East 55th street 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
HW Code:	C224151
Waste Type:	NAPHTHALENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2016000423894
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2016-12-02 08:57:00
Record Updated:	2016-12-02 08:57:00
Updated By:	YYWONG
Crossref ID:	2014-04-10
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2016-09-22 12:39:00
Record Updated:	2016-09-22 12:39:00
Updated By:	YYWONG
Crossref ID:	C224166
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	2012-09-06 10:10:00
Record Updated:	2012-09-06 10:10:00
Updated By:	BXANDERS
Crossref ID:	0906360
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2016-01-11 10:16:00
Record Updated:	2016-01-11 10:16:00
Updated By:	YYWONG
Crossref ID:	C224151-01-13
Cross Ref Type Code:	23

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2016-09-22 11:49:00
Record Updated:	2016-09-22 11:49:00
Updated By:	YYWONG
Name:	FORMER GATEWAY FRENCH DRY CLEANERS
Address:	3375-3377 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Site Code:	468402
HW Code:	C224151
Control Code:	13
Control Type:	ENG
Date Record Added:	11/07/2016
Date Rec Updated:	07/23/2021
Updated By:	LSZINOMA
Site Description:	"Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."
Env Problem:	"Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

	contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."
Health Problem:	"Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2012-09-06 11:35:00
Record Upd:	2014-12-09 11:28:00
Updated By:	RJCOZZY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Angela Barnes
Owner Company:	Coney Island Library
Owner Address:	1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P02
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address:	70 East 55th Street, 7th Flooor

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Stephen Moran
Owner Company:	brooklyn community Board 13
Owner Address:	1201 surf Avenue 3rd Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address:	70 East 55th street 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
HW Code:	C224151
Waste Type:	NAPHTHALENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2016000423894
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2016-12-02 08:57:00
Record Updated:	2016-12-02 08:57:00
Updated By:	YYWONG
Crossref ID:	2014-04-10
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2016-09-22 12:39:00
Record Updated:	2016-09-22 12:39:00
Updated By:	YYWONG
Crossref ID:	C224166
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	2012-09-06 10:10:00
Record Updated:	2012-09-06 10:10:00
Updated By:	BXANDERS
Crossref ID:	0906360
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2016-01-11 10:16:00

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

INST CONTROL:
Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Landuse Restriction
HW Code: C224151
Control Code: 25
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."
Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE,

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Soil Management Plan
HW Code: C224151
Control Code: 14
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Site Management Plan
HW Code: C224151
Control Code: 32
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: O&M Plan
HW Code: C224151
Control Code: 33
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Environmental Easement
HW Code: C224151
Control Code: J
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."

Dump: False

Structure: False

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151
Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Site Code: 468402
Control Name: Ground Water Use Restriction
HW Code: C224151
Control Code: 08
Control Type: INST
Dt record added: 11/07/2016
Dt rec updated: 07/23/2021
Updated By: LSZINOMA
Site Code: 468402
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."

Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Plan."
Health Problem: "Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2012-09-06 11:35:00
Record Upd: 2014-12-09 11:28:00
Updated By: RJCOZZY
Own Op: Document Repository
Sub Type: NNN
Owner Name: Angela Barnes
Owner Company: Coney Island Library
Owner Address: 1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P02
Owner Name: Peter Gray
Owner Company: Coney Island Site 4A-1 Houses, Inc.
Owner Address: 70 E 55th Street, 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address: 70 East 55th Street, 7th Flooor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
Own Op: Document Repository
Sub Type: C01
Owner Name: Stephen Moran
Owner Company: brooklyn community Board 13
Owner Address: 1201 surf Avenue 3rd Floor
Owner Addr2: Not reported
Owner City,St,Zip: Brooklyn, NY 11224
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Peter Gray
Owner Company: Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address: 70 East 55th street 7th Floor
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10022
Owner Country: United States of America
HW Code: C224151

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Waste Type: NAPHTHALENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C224151
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2016000423894
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2016-12-02 08:57:00
Record Updated: 2016-12-02 08:57:00
Updated By: YYWONG
Crossref ID: 2014-04-10
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2016-09-22 12:39:00
Record Updated: 2016-09-22 12:39:00
Updated By: YYWONG
Crossref ID: C224166
Cross Ref Type Code: 22
Cross Ref Type: BCP Site ID
Record Added Date: 2012-09-06 10:10:00
Record Updated: 2012-09-06 10:10:00
Updated By: BXANDERS
Crossref ID: 0906360
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2016-01-11 10:16:00
Record Updated: 2016-01-11 10:16:00
Updated By: YYWONG
Crossref ID: C224151-01-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2016-09-22 11:49:00
Record Updated: 2016-09-22 11:49:00
Updated By: YYWONG

BROWNFIELDS:
Name: FORMER GATEWAY FRENCH DRY CLEANERS
Address: 3375-3377 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY 11224
Program: BCP
Site Code: 468402
Acres: 0.040
HW Code: C224151
SWIS: 2401
Town: New York City
Record Added Date: 08/29/2012

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Record Updated Date: 05/29/2021
Update By: JHOCONNE
Site Description: "Location: The site is located at 3375-3377 Neptune Avenue, in the borough of Brooklyn, City of New York, and is identified on the local tax maps as Block 6979, portion of Lot 100. Site Features: The site is about 0.04 acres in size and is located within a one story commercial strip which is set back from Neptune Avenue. The site is bordered to the south by Neptune Avenue, to the east by commercial space, to the west by a Key Food Supermarket and residential building, and to the north by a residential building. There is an occupied multi-story residential apartment building which is part of the same structure attached to the rear of the commercial strip. Current Zoning and Land Use: The current site zoning is R6 residential. The site is part of a mixed use development with residential apartments and commercial/retail space. The current land use category is mixed use (commercial/residential) and the site is currently occupied by a dental office. Surrounding parcels are single family homes and apartment buildings. Past Use of the Site: From about 1975 to 1996, the site was occupied by the Gateway French Dry Cleaner, which utilized tetrachloroethylene (PCE or perc) as a cleaning solvent. After 1996, the retail space was occupied by Neptune Dental and AFAM Medical until approximately 2009. Currently the site is being used as a dental office. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site, which is owned by the Applicant. This SSDS system was installed by the Applicant in January 2013, and has been operating since April 2013. Site Geology and Hydrogeology: The stratigraphy of the site consists of an asphalt or concrete cover, followed by a layer of urban fill to approximately 6 feet, and native unconsolidated sediments consisting of fine to coarse sand with silts. Groundwater is approximately 9 to 10 feet below grade surface at the site and generally flows toward the southeast."
Env Problem: "Nature and Extent of Contamination: Prior to Remediation: Based on the investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethylene (PCE) and its breakdown product trichloroethylene (TCE). Chlorinated solvents, included PCE, were detected in soil, groundwater and soil vapor above applicable standards and guidance values. Soil - PCE was detected in on-site soil at concentrations exceeding the Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) of 1.3 parts per million (ppm), with a maximum PCE concentration of 2.9 ppm. Available soil sample results indicated no other VOCs, metals, SVOCs, pesticides or PCBs were detected above restricted residential SCOs. Site-related soil contamination is not expect to extend off-site base on the available data. Groundwater - PCE was detected in groundwater at concentrations exceeding the applicable groundwater (GW) standards of 5 part per billion (ppb), with a maximum concentration of 5.8 ppb. Several naturally occurring metals were detected in GW at concentration exceeding the applicable standards. Naphthalene was detected above GW standard with concentration of 63.8 ppb. No pesticides or PCBs were detected above groundwater standards. Groundwater contamination does not extend off-site. Soil Vapor - PCE and TCE were detected in sub-slab soil vapor samples both on and off-site with concentrations up to 68,000 ug/m3 and 730 ug/m3 respectively; PCE and TCE were detected in on-site and off-site soil vapor samples with maximum concentrations of 6920 ug/m3, and 29.3 ug/m3 respectively; PCE was

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

	detected in indoor air at maximum concentrations of 1.38 ug/m3 while TCE was not detected in indoor air. Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were PCE and TCE in soil, groundwater and soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination in soil vapor is being managed under a Site Management Plan."
Health Problem:	"Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2012-09-06 11:35:00
Record Upd:	2014-12-09 11:28:00
Updated By:	RJCOZZY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Angela Barnes
Owner Company:	Coney Island Library
Owner Address:	1901 Mermaid Avenue (Near W. 19th Street)
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P02
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Bay Park one-A LLC (c/o Bay park One MM LLC)
Owner Address:	70 East 55th Street, 7th Flooor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Stephen Moran
Owner Company:	brooklyn community Board 13
Owner Address:	1201 surf Avenue 3rd Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03

FORMER GATEWAY FRENCH DRY CLEANERS (Continued) **S112211617**

Owner Name:	Peter Gray
Owner Company:	Bay Park One-A LLC (c/o Bay Park one MM LLC)
Owner Address:	70 East 55th street 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
HW Code:	C224151
Waste Type:	NAPHTHALENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224151
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2016000423894
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2016-12-02 08:57:00
Record Updated:	2016-12-02 08:57:00
Updated By:	YYWONG
Crossref ID:	2014-04-10
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2016-09-22 12:39:00
Record Updated:	2016-09-22 12:39:00
Updated By:	YYWONG
Crossref ID:	C224166
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	2012-09-06 10:10:00
Record Updated:	2012-09-06 10:10:00
Updated By:	BXANDERS
Crossref ID:	0906360
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2016-01-11 10:16:00
Record Updated:	2016-01-11 10:16:00
Updated By:	YYWONG
Crossref ID:	C224151-01-13
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2016-09-22 11:49:00
Record Updated:	2016-09-22 11:49:00
Updated By:	YYWONG

AS212 **GATEWAY FRENCH CLEANERS** **RCRA NonGen / NLR** **1000225064**
WNW **3377 NEPTUNE AVE** **FINDS** **NYD981080799**
1/8-1/4 **BROOKLYN, NY 11224** **ECHO**
0.241 mi. **NY MANIFEST**
1275 ft. **Site 5 of 6 in cluster AS**

Relative: **Higher**

Actual: **7 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070101
Handler Name:	GATEWAY FRENCH CLEANERS	
Handler Address:		3377 NEPTUNE AVE
Handler City,State,Zip:		BROOKLYN, NY 11224-1676
EPA ID:		NYD981080799
Contact Name:		Not reported
Contact Address:		NEPTUNE AVE
Contact City,State,Zip:		BROOKLYN, NY 11224
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		NEPTUNE AVE
Mailing City,State,Zip:		BROOKLYN, NY 11224
Owner Name:	OWNERNAME	
Owner Type:		Private
Operator Name:	OWNERNAME	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

GATEWAY FRENCH CLEANERS (Continued) **1000225064**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: OWNERNAME	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

GATEWAY FRENCH CLEANERS (Continued) **1000225064**

Owner/Operator Indicator: Owner
Owner/Operator Name: OWNERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: OWNERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990708
Handler Name: GATEWAY FRENCH CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: GATEWAY FRENCH CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: GATEWAY FRENCH CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

GATEWAY FRENCH CLEANERS (Continued) **1000225064**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19850503
Handler Name:	GATEWAY FRENCH CLEANERS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004395743

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000225064
Registry ID:	110004395743
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004395743
Name:	GATEWAY FRENCH CLEANERS
Address:	3377 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224

NY MANIFEST:
Name: GATEWAY CLNRS

GATEWAY FRENCH CLEANERS (Continued) **1000225064**

Address:	3377 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY 11224-1676
Country:	USA
EPA ID:	NYD981080799
Facility Status:	Not reported
Location Address 1:	33-77 NEPTUNE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD981080799
Mailing Name:	GATEWAY CLNRS
Mailing Contact:	GATEWAY CLNRS
Mailing Address 1:	33-77 NEPTUNE AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11224
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7183729696

AP213 **CON EDISON** **RCRA NonGen / NLR** **1018278984**
East **MERMAID & 22ND ST MH36357** **FINDS** **NYP004737714**
1/8-1/4 **BROOKLYN, NY 11235** **ECHO**
0.243 mi.
1285 ft. **Site 2 of 2 in cluster AP**

Relative: **Lower**
Actual: **2 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150224
Handler Name:	CON EDISON	
Handler Address:		MERMAID & 22ND ST MH36356
Handler City,State,Zip:		BROOKLYN, NY 11235
EPA ID:		NYP004737714
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003

CON EDISON (Continued) **1018278984**

Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20160502
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported

CON EDISON (Continued) **1018278984**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Historic Generators:
Receive Date: 20150224
Handler Name: CON EDISON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150224
Handler Name: CON EDISON
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110067683929

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CON EDISON (Continued) **1018278984**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1018278984
Registry ID:	110067683929
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110067683929
Name:	CON EDISON
Address:	MERMAID & 22ND ST MH36357
City,State,Zip:	BROOKLYN, NY 11235

AS214 **BAY PARK II** **NY UST** **U000399246**
WNW **3415 NEPTUNE AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11224**
0.248 mi.
1307 ft. **Site 6 of 6 in cluster AS**

Relative:
Higher

Actual:
8 ft.

UST:

Name:	BAY PARK II
Address:	3415 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-291676 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	12/14/2022
UTM X:	584363.75607
UTM Y:	4492394.39546
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	13236
Affiliation Type:	Facility Owner
Company Name:	BAY PARK II
Contact Type:	DIRECTOR OF FIELD OPERATIONS
Contact Name:	JOHN MULHOLLAND, AAF
Address1:	1230 PENNSYLVANIA AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11239
Country Code:	001
Phone:	(718) 642-8700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-03-21

Site Id:	13236
Affiliation Type:	Mail Contact
Company Name:	GRENADIER REALTY CORP.
Contact Type:	Not reported
Contact Name:	JOHN MULHOLLAND
Address1:	1230 PENNSYLVANIA AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11239

BAY PARK II (Continued) **U000399246**

Country Code:	001
Phone:	(718) 642-8700
EMail:	JMULHOLLAND@GRCREALTY.COM
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-03-21

Site Id:	13236
Affiliation Type:	Facility Operator
Company Name:	BAY PARK II
Contact Type:	Not reported
Contact Name:	GRENADIER REALTY ENERGY SERV.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 946-6070
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-03-21

Site Id:	13236
Affiliation Type:	Emergency Contact
Company Name:	BAY PARK II
Contact Type:	Not reported
Contact Name:	GRENADIER REALTY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 642-8700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-03-21

Tank Info:

Tank Number:	001
Tank ID:	11915
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	25000
Install Date:	11/10/1972
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	34

BAY PARK II (Continued) **U000399246**

Date Test: 02/26/2019
Next Test Date: 02/26/2020
Pipe Model: Not reported
Modified By: TankSys
Last Modified: 01/31/2020

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
H07 - Tank Leak Detection - Statistical Inventory Reconciliation (SIR)
J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None

Tank Number: 002
Tank ID: 275463
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1500
Install Date: 11/10/1972
Date Tank Closed: 09/02/2014
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Tightness Test Method: 21
Date Test: 09/02/2014
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TLYE
Last Modified: 03/29/2018

Equipment Records:

E00 - Piping Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
L00 - Piping Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None
H07 - Tank Leak Detection - Statistical Inventory Reconciliation (SIR)
J02 - Dispenser - Suction Dispenser
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None

215
WSW
1/4-1/2
0.259 mi.
1369 ft.

CON EDISON
SURF AVE & W 37TH ST NE COR
BROOKLYN, NY 11224

NY LTANKS **S104621639**
NY MANIFEST **N/A**

Relative:
Higher

Actual:
4 ft.

LTANKS:

Name:	JEWISH ASSOC. SERVICES FO
Address:	3601 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0002117 / 2004-07-27
Facility ID:	0002117
Site ID:	225208
Spill Date:	2000-05-19
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	2000-05-19
CID:	312
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-19
Spill Record Last Update:	2004-07-27
Spiller Name:	ROSE
Spiller Company:	JEWISH ASSOC. SERVICES FO
Spiller Address:	3601 SURF AV
Spiller County:	001
Spiller Contact:	ROSE
Spiller Phone:	(718) 373-3650
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	269115
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE 10/17/03 tipple updating////prior ttf at this location 99-14738, apparently the problem persists. 7/27 referred to 99 spill #"
Remarks:	"TANK HOLDS #4 OIL"

All TTF:

Facility ID:	0002117
Spill Number:	0002117
Spill Tank Test:	1525615
Site ID:	225208
Tank Number:	001
Tank Size:	15000
Material:	Not reported
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00

CON EDISON (Continued) **S104621639**

Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

Name:	APT BLDG
Address:	3601 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9914738 / 2005-05-03
Facility ID:	9914738
Site ID:	225209
Spill Date:	2000-03-29
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	2000-03-29
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-03-29
Spill Record Last Update:	2005-05-03
Spiller Name:	Not reported
Spiller Company:	APT BLDG
Spiller Address:	3601 SURF AV
Spiller County:	001
Spiller Contact:	BILL LINDNER
Spiller Phone:	(212) 463-7812
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	269115
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KRIMGOLD 8/22/00 Spoke to Mike Berello (Ambient Group). They isolated the pipes and tank and found that the vent and fill lines were not tight. The tank was relined but there was a hole in the top of the tank (only spill upon overfill). They performed soil borings - 3 along a 60' fill line and 6 around the #4 UST. Water is at 5 feet below grade. They are going to propose excavation of tank system and associated soil. They will submit the report to DEC. JMR 01/26/04 Reassigned from Rommel to Austin 02/17/04: Reassigned from AUSTIN to KRIMGOLD. 04/18/05. J.Krimgold spoke to Mike Barello. He will resend the report in a week. 05/03/05. J.Krimgold reviewed the UST Removal Report submitted by Ambient Group, Inc. on 5/3/05 and issued on 11/05/2001. According to the report the tank failed the test due to a loose fitting on the vent pipe. Subsequently the tank was removed. No contamination was found during excavation. Post excavation samples all below TAGM levels. NFA. "

CON EDISON (Continued) **S104621639**

Remarks: ""

All TTF:

Facility ID:	9914738
Spill Number:	9914738
Spill Tank Test:	1548174
Site ID:	225209
Tank Number:	1
Tank Size:	15000
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	225209
Operable Unit ID:	1092670
Operable Unit:	01
Material ID:	293028
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	3601 SURF AVENUE
Address:	3601 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0212373 / 2003-03-17
Facility ID:	0212373
Site ID:	333886
Spill Date:	2003-03-17
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	2003-03-17
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False

CON EDISON (Continued) **S104621639**

UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-03-17
Spill Record Last Update:	2003-03-17
Spiller Name:	CALLER
Spiller Company:	CASTLE OIL CORPORATION
Spiller Address:	290 LOCUST AVENUE
Spiller County:	001
Spiller Contact:	JIM CAREY
Spiller Phone:	(718) 579-3410
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	269115
DEC Memo:	"3/17/2003-Vought-Spoke with Jim Carey. Spill was 50 gallons which came out of top of tank. Driver fell asleep at well. PTC called who sent out vaccuum truck to clean tank room. Spill came out of stickwell into tank room which was epoxy sealed and contained. No sewers or drain affected. Site contact is Alex 718-373-0047 (superintendent). Vought was told to call 718-373-3650 (Rosemary Frazier). Vought called Rosemary for cleanup confirmation. Rosemary was not in office. Vought spoke with secretary named Mary who will send out super (eric) to confirm cleanup and return call to Vought. Vought received message from Eric. Vought returned call 718-809-0596 and Eric said cleanup was complete. Spill closed by Vought. "
Remarks:	"driver over filled a delivery clean up crew responded and cleaned same "

All Materials:

Site ID:	333886
Operable Unit ID:	1096028
Operable Unit:	01
Material ID:	576035
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	20.00
Oxygenate:	Not reported

NY MANIFEST:

Name:	CON EDISON
Address:	SURF AVE & W 37TH ST NE COR
City,State,Zip:	BROOKLYN, NY 11224
Country:	USA
EPA ID:	NYP004287157
Facility Status:	Not reported
Location Address 1:	NEC SURF AVE & W 37TH ST
Code:	BP
Location Address 2:	MH 42308
Total Tanks:	Not reported
Location City:	BROOKLYN
Location State:	NY
Location Zip:	11224
Location Zip 4:	Not reported

CON EDISON (Continued) **S104621639**

NY MANIFEST:

EPAID:	NYP004287157
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/2013
Trans1 Recv Date:	02/05/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/05/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004287157
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD991291105
TSDF ID 2:	Not reported
Manifest Tracking Number:	002015994GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008

CON EDISON (Continued) **S104621639**

Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

AT216 **HISTORIC DRY CLEANER 3503-3505 NEPTUNE AVENUE** **NY BROWNFIELDS** **S113916509**
WNW **3503-3505 NEPTUNE AVENUE** **N/A**
1/4-1/2 **BROOKLYN, NY 11224**
0.265 mi.
1398 ft. **Site 2 of 2 in cluster AT**

Relative: **Higher**
Actual: **7 ft.**

BROWNFIELDS:

Name:	HISTORIC DRY CLEANER 3503-3505 NEPTUNE AVENUE
Address:	3503-3505 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Program:	BCP
Site Code:	468516
Acres:	0.020
HW Code:	C224166
SWIS:	2401
Town:	New York City
Record Added Date:	09/04/2012
Record Updated Date:	01/10/2013
Update By:	BXANDERS
Site Description:	"Location: The site is located at the pre-redevelopment address of 3503-3505 Neptune Avenue in Brooklyn. Site Features: The site occupies a pedestrian common area located in front of a commercial strip. The site encompasses a public common walkway on its north end, is bisected by a retaining wall with planters across the southern third of the parcel and is city sidewalk on the south end. Current Zoning/Use(s): The site is zoned R6 residential. The current land use category is "Mixed Use" (commercial/residential). The site is currently a public common area and sidewalk. Historical Use(s): The site includes the parcel containing the former unnamed ?Historic Dry Cleaners?. The exact duration of time the dry cleaner existed at the site is unknown. The dry cleaner was initially located at the site between 1950 and 1966 and was in operation until sometime between 1968 and 1972. Site Geology and Hydrogeology: The site and surrounding area are relatively flat with a ground surface elevation of approximately 10 feet above Mean Sea Level (MSL). Soil at the site consists of a layer of fill material to approximately five feet below grade, underlain by glacial outwash consisting of layers of fine to medium silty sands and silt. Groundwater is approximately 9 to 10 feet below grade surface and flows toward east-southeast. After careful review, NYSDEC has determined that this site does not qualify for the Brownfield Cleanup Program. The historic dry cleaner is located immediately adjacent to the Former Gateway Cleaners (see site no. C224151). "
Env Problem:	""
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported

HISTORIC DRY CLEANER 3503-3505 NEPTUNE AVENUE (Continued) **S113916509**

Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	1
Sub Type:	E
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Edward Flanagan, Jr.
Owner Company:	Ulmer Park Library
Owner Address:	2602 Bath Ave.
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11214
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03
Owner Name:	Peter Gray
Owner Company:	Coney Island Site 4A-1 Houses, Inc.
Owner Address:	70 E 55th Street, 7th Floor
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10022
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

217
WNW
1/4-1/2
0.301 mi.
1591 ft.

APARTMENT BLDG
3415 NEPTUNE AVE
CONEY ISLAND, NY

NY LTANKS **S109374804**
N/A

Relative:
Higher

Actual:
7 ft.

LTANKS:

Name:	APARTMENT BLDG
Address:	3415 NEPTUNE AVE
City,State,Zip:	CONEY ISLAND, NY
Spill Number/Closed Date:	0807791 / 2008-11-06
Facility ID:	0807791
Site ID:	405155
Spill Date:	2008-10-09
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C4

APARTMENT BLDG (Continued) **S109374804**

Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	MXAJOKU
Referred To:	Not reported
Reported to Dept:	2008-10-09
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2008-10-09
Spill Record Last Update:	2008-11-06
Spiller Name:	JOHN MALONEY
Spiller Company:	GRENADIER REALTY CORP
Spiller Address:	2330 PENNSYLVANIA AVE
Spiller County:	999
Spiller Contact:	LISETTE HERNANDEZ
Spiller Phone:	(718) 378-3000
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	354400
DEC Memo:	"PBS #2-291676 TTF Ltr sent to: Agent For Bay Park II Attn: John Mulholland 1230 Pennsylvania Ave Brooklyn, NY 11239 10/06/08: Eastmond & Son Boiler Repair carried out extensive work by opening the manhole and performing isolation test, tank passed retest. Spill case is hereby closed. See eDocs for details.(MA)"
Remarks:	"FAILED TANK TEST, DRY PORTION LEAK. NO PRODUCT WAS SPILLED."

All Materials:

Site ID:	405155
Operable Unit ID:	1161790
Operable Unit:	01
Material ID:	2152995
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

218
NW
1/4-1/2
0.309 mi.
1631 ft.

GRAVESEND HOUSES (O'DWYER GARDENS) **NY LTANKS** **U001840671**
2719 WEST 33RD STREET **NY UST** **N/A**
BROOKLYN, NY 11224 **NY Spills**

Relative:
Higher

Actual:
7 ft.

LTANKS:

Name:	GRAVESEND HOUSES -NYCHA
Address:	2719 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9413170 / 2008-06-10
Facility ID:	9413170

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Site ID:	62321
Spill Date:	1995-01-03
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	CONSOLIDATED WITH 9412922
Reported to Dept:	1995-01-03
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-01-05
Spill Record Last Update:	2008-06-10
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	60434
DEC Memo:	"12/21/05: This spill transferred from J.Kolleeny to S.Kraszewski. 09/01/06: DEC Lead for this spill changed from unassigned to S. Kraszewski. - J. Kolleeny 09/26/06: DEC Lead changed from S. Kraszewski to J.Kann. Priority changed to P1 based on Site Status report submitted by NYCHA indicating that seven monitoring wells on-site contain water/oil mixture. - JKann 6/10/08: J.Kann - Spill closed to consolidate with spill 9412922 at the same address. "
Remarks:	"LEAK RATE -0.179 GPH"

All TTF:

Facility ID:	9413170
Spill Number:	9413170
Spill Tank Test:	1543495
Site ID:	62321
Tank Number:	002
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

All Materials:

Site ID:	62321
Operable Unit ID:	1006788
Operable Unit:	01
Material ID:	375448
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	GRAVESEND HOUSES -NYCHA
Address:	2719 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9412922 / 2021-07-15
Facility ID:	9412922
Site ID:	62320
Spill Date:	1994-12-28
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	AAOBLIGA
Referred To:	SUPPLMNTL SIR SUBMTD 5/14/13; RVWD
Reported to Dept:	1994-12-28
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-01-05
Spill Record Last Update:	2021-07-15
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	60434
DEC Memo:	"12/21/05: This spill transferred from J.Kolleeny to S.Kraszewski. 09/01/06: DEC Lead for this spill changed from unassigned to S. Kraszewski. - J. Kolleeny 09/26/06: DEC Lead changed from S. Kraszewski to J.Kann. Priority changed to P1 based on Site Status report submitted by NYCHA indicating that seven monitoring wells on-site contain water/oil mixture. - JKann 6/10/08: Spill 9413170 closed and consolidated with this spill. J.Kann 8/4/08: J.kann - Investigative work Plan received on 7/29/08. 6/15/09: J.kann - Work

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

performed without DEC approval of plan. Draft Report submitted on 6/10/09. 3/23/10: J.Kann - SAR from June 2009 edoced. 12/11/12: J.kann - reviewed SAR and February 1997 report by TRC. Comments sent in an email (edoced) 5/14/13: J.Kann - recvd and revwd the Supp RIR from JC Broderick and dated May 2013. Stained soil exist at the grounwater smear zone but minimal constituents detected in soil or groundwater. 5/17/13: J.Kann - sent an email to Yelena (NYCHA) requesting that the wells be gauged sometime next week. 10/9/14: Visited the site on 5/28/14. Minimal product noted on one sock in well. Will consider for closure. 10/14/15: J.Kann - site included in the NYCHA Sandy recovery list and is slated for UST removal. Brief summary provided to Thomas Larison 518-785-2361 of CBI today in an email. Since known soil disturbance activities will likely take place, spill can not be closed at this time. 4/25/17: J.Kann - visit site with Andre Obligado on 4/19. Met with Meredith, Tom, Steve Sacaccio and Mike Lopez. Discussed the plan for the site. Meeting notes were prepared and email by NYCHA and DECDoced. 06/05/2017: J.Kann - Spill reassigned to Andre Obligado. 9/7/17 - Obligado - I received an Environmental Work Plan for tank removals at the Graves End Houses. The Enviromental Work Plan proposes the removal of 3 USTs at the site site. They propose to sheet pile around the USTs then excavate the tanks and the contaminated soils. Per our discussion at the site in April, the plan proposes to over excavate contaminated soil in the vicinity of MW1 and MW6. Excavation will be to a minimum of 10 ft bgs to remove contamination from the vadose and smear zone. 9/11/17 - Obligado - I provided comments to Tom over the phone and via email. Specifically, I requested 1) a Community Air Monitoring Plan 2) details about the endpoint soil sampling method 3) contingency for free product recovery in the open excavation. 10/23/17 - Obligado - I reviewed an amendment letter which addressed my comments above and I approved the Environmental Work Plan for the tank removal. 8/16/18 - Obligado - Conference call with NYCHA Meredith Menzel, Yelena and others. The UST closure has been completed and a UST closure was submitted. Several endpoint samples were above standard however at levels which I do not believe warrant further action. They will be doing additional excavation for development. 9/25/18 - Obligado - I responded to an email from Meredith regarding the request for closure in the tank closure report. I responded that since there would be additional excavation for site development I was holding of on closing the spill until that additional work was completed as I expected additional contamination may be encountered. 10/4/18 - Obligado - I got a call from Rich Levato stating he was on his way to the Site to perform remediation of free product in an excavation around a former tank. They will apply booms and pads to contain, collect waste characterization, and schedule a vacuum truck event tomorrow. He was not able to provide a spill number but it appears to be related to this NYCHA site. 10/4/18 - Obligado - I received a call from Meredith. She called to inform that additional contamination was encountered at the site during site excavation. We set up a tentative site meeting for the following morning. 7/15/21 - Obligado - I received Spill Closure Report prepared by ASR, dated June 2021. Excavation for new mechanical boiler building adjacent to building 13 started in August 2018. During excavation, floating product was observed on the groundwater on the western part of the excavation. ASR was contracted as an emergency response team. ASR applied absorption booms and pads. A Vacuum truck removed 230 gallons of oilywater mixture from the

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

excavation an ddisposed of at Clean Water of NY. A second vacuum truck removal event occurred on 10/17/18 and 663 gallons of oily water mixture was removed and disposed of at Clean Water of NY. A dewatering plan was developed by Joh A Rhodes PE. The dewatering system was activated on 10/17/18 and ran for appxomiately 1 week. On 10/9/18, 4 endpoint samples were collected from the bottom of th excavation (11 ft bgs). No VOC compounds were detected. No SVOC compounds were detected above the regulatory limits. No PCB compounds were detected. Approximately 1,154.66 tons of regulated fill was excavated and disposed of at Coplay Aggregates, Inc. Soil and liquid manifests were provided. All sources of contamination have been removed. Contamination identified in the orinigal UST closure report was over excavated and free product was removed from the water table. A new slab on grade bolier room has been constructed. This spill no longer appears to be a threat to human health or the environment. Based on the documentation submitted, this spill is closed."

Remarks: "TANK TEST FAILURE TANK #1"

All TTF:

Facility ID:	9412922
Spill Number:	9412922
Spill Tank Test:	1543481
Site ID:	62320
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	62320
Operable Unit ID:	1006550
Operable Unit:	01
Material ID:	375206
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

UST:

Name:	GRAVESEND HOUSES (O'DWYER GARDENS)
Address:	2719 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473944 / Unregulated/Closed

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 584654.34984
UTM Y: 4492565.54846
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 20866
Affiliation Type: Facility Owner
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: FUEL OIL REMEDIATION COORDINATOR
Contact Name: GALENA TKACH
Address1: 23-02 49TH AVENUE
Address2: Not reported
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-03

Site Id: 20866
Affiliation Type: Mail Contact
Company Name: NYC HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: GALENA TKACH
Address1: 23-02 49TH AVENUE
Address2: 5TH FLOOR FLOOR REMEDIATION
City: LONG ISLAND CITY
State: NY
Zip Code: 11101
Country Code: 001
Phone: (718) 707-5725
EMail: YELENA.TKACH@NYCHA.NYC.GOV
Fax Number: Not reported
Modified By: DAFRANCI
Date Last Modified: 2018-10-03

Site Id: 20866
Affiliation Type: Facility Operator
Company Name: GRAVESEND HOUSES (ODWYER GARDENS)
Contact Type: Not reported
Contact Name: NEW YORK CITY HOUSING AUTHORITY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 707-5725
EMail: Not reported
Fax Number: Not reported
Modified By: DAFRANCI

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Date Last Modified: 2018-10-03

Site Id: 20866
Affiliation Type: Emergency Contact
Company Name: NEW YORK CITY HOUSING AUTHORITY
Contact Type: Not reported
Contact Name: EMERGENCY SERVICES DEPARTMENT
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 707-5900
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2014-01-30

Tank Info:

Tank Number: 1
Tank ID: 60275
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 20000
Install Date: 02/01/2001
Date Tank Closed: 05/09/2018
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: E
Modified By: DAFRANCI
Last Modified: 12/19/2018

Equipment Records:

L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double walled UG
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F05 - Pipe External Protection - Jacketed
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B09 - Tank External Protection - Urethane
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
H05 - Tank Leak Detection - In-Tank System (ATG)

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Tank Number:	OLD 1
Tank ID:	37566
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	12000
Install Date:	10/01/1957
Date Tank Closed:	04/26/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0000
Common Name of Substance:	Empty
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DAFRANCI
Last Modified:	12/19/2018

Equipment Records:

H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
L00 - Piping Leak Detection - None

Tank Number:	OLD 2
Tank ID:	37567
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	12000
Install Date:	10/01/1957
Date Tank Closed:	04/26/2018
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0000
Common Name of Substance:	Empty
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DAFRANCI
Last Modified:	12/19/2018

Equipment Records:

H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
L00 - Piping Leak Detection - None

Tank Number:	OLD 3
Tank ID:	37568
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	25000
Install Date:	10/01/1954
Date Tank Closed:	01/01/2001
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	04/01/1994
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
I04 - Overfill - Product Level Gauge (A/G)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

SPILLS:

Name:	GRAVESEND HOUSES -NYCHA
Address:	2719 WEST 33RD STREET
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	8706641 / 1987-11-05
Facility ID:	8706641
Facility Type:	ER
DER Facility ID:	60434
Site ID:	253912
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	2401
Spill Date:	1987-11-05

GRAVESEND HOUSES (O'DWYER GARDENS) (Continued) **U001840671**

Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1987-11-05
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	1987-11-05
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-11-09
Spill Record Last Update:	2005-12-21
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"SENT SCAVENGER TRUCK TO CLEAN UP, SAND WAS APPLIED TO SPILL ON CONCRETE FLOOR, SUPT. PURCHASED CONTAINERS THAT WILL BE PACKED. GASKETS ON TANKS TO BE REPLACED."

All Materials:

Site ID:	253912
Operable Unit ID:	912528
Operable Unit:	01
Material ID:	465648
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

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219 East 1/4-1/2 0.316 mi. 1667 ft.

CONEY ISLAND SITE 1B (CAREY GARDENS)
2007 SURF AVENUE
BROOKLYN, NY 11224

NY LTANKS **U001840666**
NY UST **N/A**
NY AST
NY Spills

Relative: Higher

Actual: 3 ft.

LTANKS:

Name:	CAREY GARDENS HOUSING
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9312327 / 1993-01-24
Facility ID:	9312327
Site ID:	256394
Spill Date:	1994-01-20
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	C3
Cleanup Ceased:	1993-01-24

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

SWIS:	2401
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1994-01-20
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-01-21
Spill Record Last Update:	2003-01-10
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING (COASTAL OIL)
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	209970
DEC Memo:	""
Remarks:	"SPILL CAME OUT VENT & INTO STREET - WINSTON CONTRACTING TO CLEAN UP (718)445-4232."

All TTF:

Facility ID:	9312327
Spill Number:	9312327
Spill Tank Test:	1542382
Site ID:	256394
Tank Number:	001
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	02
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	256394
Operable Unit ID:	994329
Operable Unit:	01
Material ID:	561641
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	75.00
Units:	G

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS APTS -NYCHA
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0109738 / 2004-01-26
Facility ID:	0109738
Site ID:	322120
Spill Date:	2002-01-08
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2002-01-08
CID:	390
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-01-08
Spill Record Last Update:	2005-12-12
Spiller Name:	MARIO MANDALONE
Spiller Company:	CAREY GARDENS APTS
Spiller Address:	2007 SURF AV
Spiller County:	001
Spiller Contact:	MARIO MANDALONE
Spiller Phone:	(718) 649-7017
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	209970
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY SEE ALSO SPILL # 0206040. [THIS SPILL CLOSED TO CONSOLIDATE.]"
Remarks:	"during a tank removal - soil contamination was discovered - clean up will be done by gordon enviormental"

All Materials:

Site ID:	322120
Operable Unit ID:	846927
Operable Unit:	01
Material ID:	527388
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Name:	CONEY ISLAND I B HOUSES -NYCHA
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9607012 / 2011-12-02
Facility ID:	9607012
Site ID:	322121
Spill Date:	1996-09-03
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	1996-09-03
CID:	349
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1996-09-03
Spill Record Last Update:	2011-12-02
Spiller Name:	DAVE FORTE/NYC HOUSING
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	DAVE FORTE/NYC HOUSING
Spiller Phone:	(212) 306-3233
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	209970
DEC Memo:	"12/12/05: This spill transferred from J.Kolleeny to S.Kraszewski. 03/23/06: This spill transferred to K.Tang - SK 6/11/09: J.Kann - spill transfered to J.Kann. 6/11/09: JKann - Meeting held on 5/28 with ALC Environmental and NYCHA. Investigative Work Plan submitted on June 10, 2009. 6/09/10: J.kann - comments on the work plan were emailed to NYCHA (edoced). revised plan due July 10. 08/02/2010: J.Kann - revised work plan submitted July 27, 2010. Plan reviewed approved in an email of 8/2/2010. 2/4/11: J.Kann - SAR received on 1/28/11 and edoced. 10/20/11: J.Kann - comments sent to NYCHA on the SAR. One additional sample must be collected north of the tank. 10/27/11: J.Kann - observed collection of sample north of the tank. NO odor or visible contamination noted. NYCHA sent soil and groundwater grab samples to laboratory for analysis. 11/10/11:J.Kann - results of 10/27 sampling submitted. Noted that samples were only analysed for VOCs. Instructed NYCHA that SVOC analysis must also be done. 12/1/11: J.Kann - received results of SVOC sampling and a letter requesting closure of the spill. Reviewed data. Minor SVOCs detected, no VOCs detected. Sample was collected from the fill port area. No further action necessary. Spill closed. "
Remarks:	""

All TTF:

Facility ID:	9607012
Spill Number:	9607012

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Spill Tank Test:	1544721
Site ID:	322121
Tank Number:	1b
Tank Size:	15291
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	322121
Operable Unit ID:	1038156
Operable Unit:	01
Material ID:	346280
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

UST:

Name:	CONEY ISLAND SITE 1B (CAREY GARDENS)
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Id/Status:	2-473898 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	585732.40689
UTM Y:	4492079.68781
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20862
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-02-28

Site Id:	20862
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2018-02-23

Site Id:	20862
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND SITE 1B (CAREY GARDENS)
Contact Type:	Not reported
Contact Name:	NYCHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-15

Site Id:	20862
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	2011-09-30

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Tank Info:

Tank Number:	1
Tank ID:	63078
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	15000
Install Date:	03/01/2002
Date Tank Closed:	04/20/2017
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	E
Modified By:	DAFRANCI
Last Modified:	06/15/2017

Equipment Records:

I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number:	OLD 1
Tank ID:	37551
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	15000
Install Date:	05/01/1973
Date Tank Closed:	03/01/2002
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	01/01/1991
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

AST:

Name:	CONEY ISLAND SITE 1B (CAREY GARDENS)
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY 11224
Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-473898
Program Type:	PBS
UTM X:	585732.40689
UTM Y:	4492079.68781
Expiration Date:	N/A
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	20862
Affiliation Type:	Facility Owner
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	COORDINATOR
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5806
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JSMACRI
Date Last Modified:	2019-02-28

Site Id:	20862
Affiliation Type:	Mail Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	YELENA TKACH
Address1:	23-02 49TH AVENUE
Address2:	TECH SERVS DEPT - 5TH FLOOR
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 707-5725
EMail:	YELENA.TKACH@NYCHA.NYC.GOV
Fax Number:	Not reported

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

Modified By:	DAFRANCI
Date Last Modified:	2018-02-23
Site Id:	20862
Affiliation Type:	Facility Operator
Company Name:	CONEY ISLAND SITE 1B (CAREY GARDENS)
Contact Type:	Not reported
Contact Name:	NYCHA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 707-5725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DAFRANCI
Date Last Modified:	2017-06-15
Site Id:	20862
Affiliation Type:	Emergency Contact
Company Name:	NYC HOUSING AUTHORITY
Contact Type:	Not reported
Contact Name:	EMERGENCY SERVICES DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 707-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	2011-09-30

Tank Info:

Tank Number:	T1
Tank Id:	60318
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
J02 - Dispenser - Suction Dispenser
G01 - Tank Secondary Containment - Diking (Aboveground)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I03 - Overfill - Automatic Shut-Off

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

above grade or tank pad, allowing visual inspection.

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	09/01/2002
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/01/2002
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

SPILLS:

Name:	CAREY GARDENS -NYCHA
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0307939 / 2007-06-14
Facility ID:	0307939
Facility Type:	ER
DER Facility ID:	209970
Site ID:	256393
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	2401
Spill Date:	2003-10-28
Investigator:	jkkann
Referred To:	Not reported
Reported to Dept:	2003-10-28
CID:	204
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-10-28
Spill Record Last Update:	2007-06-14
Spiller Name:	NORMAN ZABUSKY
Spiller Company:	CAREY GARDENS
Spiller Address:	2007 SURF AVENUE
Spiller Company:	001
Contact Name:	NORMAN ZABUSKY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY 10/28/03 ROSSAN, DDO: Called Norman who confirmed that spill is contained. DEP was informed of the 20 gallons of oil which went into the sewer. The rest of the oil is on concrete pavement and contained. The Mobile Boiler company on site is about to start the clean-up. No soil was impacted. Norman will call back with Up-date. Copy of spill report was given to Jon. Ed. 11/02/05: This spill transferred from J.Kolleeny to S.Kraszewski. 01/17/06: Reviewed NYCHA

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

spill report along with invoice and manifest documents from Clean Venture, contractor hired to clean up spill. But according to report A.L. Eastmond cleaned up the spill. The dates on the invoice and manifest do not match the spill date. Cannot close out until the correct documents are submitted. - SK 01/27/06: This spill transferred from S.Kraszewaski to Q.Abidi. 03/31/06: This spill transferred from Q. Abidi to Koon Tang. 09/27/06: Discrepencies in documentation noted above suggest possible confusion in NYCHA documents between this spill and spill 0400233. - JK 06/14/07: This site, based on address listed - 2007 Surf Avenue is actually Coney Island 1 (Site B) NOT Cary GArdens. This is likely the source of the confusion. Spill 0400233 was actually Carey Gardens. A.L. Eastmond did the cleanup at this site, according to NYCHA. The catch basin was vacuumed and affected areas cleaned. For this reason, the spill was closed. - J. Kann"

Remarks: "MOBILE BOILER ON SITE - PRESSURE GUAGE ON 1/2 INCH NIPPLE BROKE 60 GALLONS SPILLED TO PAVEMENT - 20 GALLONS TO CATCH BASEMENT- ABSORBANT AND BOOMS BEING USED "

All Materials:

Site ID:	256393
Operable Unit ID:	876432
Operable Unit:	01
Material ID:	501462
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	60.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	CAREY GARDENS HOUSING
Address:	2007 SURF AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9407365 / 1994-09-27
Facility ID:	9407365
Facility Type:	ER
DER Facility ID:	209970
Site ID:	256395
DEC Region:	2
Spill Cause:	Abandoned Drums
Spill Class:	C3
SWIS:	2401
Spill Date:	1994-08-31
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	1994-08-31
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Local Agency
Cleanup Ceased:	1994-09-27
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False

CONEY ISLAND SITE 1B (CAREY GARDENS) (Continued) **U001840666**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-08-31
Spill Record Last Update:	2003-01-10
Spiller Name:	Not reported
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"ABANDONED TANK FOUND WITH OIL IN IT. JANE HEALY FROM NYSDEC IS ON SCENE. WILL PUMP OUT AND REMOVE TANK."

All Materials:

Site ID:	256395
Operable Unit ID:	1001618
Operable Unit:	01
Material ID:	380372
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	500.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

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220 WSW 1/4-1/2 0.357 mi. 1885 ft. **SEA GATE F C STA** **FUDS** **1024899273** **N/A**

NO CITY, NY

Relative: Higher

Actual: 11 ft.

FUDS:

EPA Region:	2
Installation ID:	NY29799F121000
Congressional District Number:	8
Name:	SEA GATE F C STA
FUDS Number:	C02NY0697
City:	NO CITY
State:	NY
County:	KINGS
Object ID:	6661
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=57231
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	The site was utilized as a fire control station by the Department of Army as part of the harbor defense system of lower New York Harbor.
Project Required:	No
Feature Description:	Not reported
Latitude:	40.57333333

SEA GATE F C STA (Continued) **1024899273**

Longitude: -74.00388889

221
ENE
1/4-1/2
0.360 mi.
1903 ft.

BROOKLYN EAST 13 DOS -DDC
2012 NEPTUNE AVENUE
BROOKLYN, NY

NY LTANKS **S111318243**
NY Spills **N/A**

Relative:
Lower

Actual:
0 ft.

LTANKS:

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9003790 / 2005-06-15
Facility ID:	9003790
Site ID:	59339
Spill Date:	1990-07-05
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1990-07-05
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1990-07-06
Spill Record Last Update:	2005-06-15
Spiller Name:	Not reported
Spiller Company:	ZEEJAY RLTY/C/O J.BERGER
Spiller Address:	2161 81ST STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	58100
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY 6/15/05: This spill closed to consolidate with open spill 9808560 for this site, under which remediation pursuant to DDC consent order is being tracked. - JK"
Remarks:	"NYSDOS WILL EXCAVATE TO PUT IN TANKS, FOUND SHEEN IN GROUND, TIGHTNESSTESTING TO BE DONE ON EXISTING TANKS, TRYING TO LOCATE LEAK." Not reported

All Materials:

Site ID:	59339
Operable Unit ID:	941609
Operable Unit:	01
Material ID:	434923
Material Code:	0017A
Material Name:	PCB oil

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9805012 / 2005-01-06
Facility ID:	9805012
Site ID:	205102
Spill Date:	1998-07-22
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C1
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1998-07-22
CID:	366
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-07-22
Spill Record Last Update:	2005-01-06
Spiller Name:	Not reported
Spiller Company:	NYC DEPT. OF SANITATION
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	PETE SAPIERI
Spiller Phone:	(212) 788-4079
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	58100
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY AFTER TANK TEST FAILURE, TANK TOP EXPOSED, FOUND TWO GOOD SIZED HOLES IN PIPING. ISOLATED TANK AND PERFORMED TANK ONLY TEST - STILL FAILED. SEE ALSO SPILL #9808560 (TANK REMOVAL IN OCTOBER '98). This spill closed to consolidate. Refer to open spills 9808560 (heating oil tank) and 9401508 (gasoline tank). Site is undergoing remediation by LiRo Engineers under the NYCDDC Consent Order. - J. Kolleeny 1/6/05"
Remarks:	"TANK TEST FAILED. REGION 2 WAS CONTACTED."

All TTF:

Facility ID:	9805012
Spill Number:	9805012
Spill Tank Test:	1546092
Site ID:	205102
Tank Number:	Not reported

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Tank Size:	3500
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20
Test Method 2:	USTest 2000/P/LL plus USTest 2000/U
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	205102
Operable Unit ID:	1062922
Operable Unit:	01
Material ID:	319767
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9401508 / 2005-05-17
Facility ID:	9401508
Facility Type:	ER
DER Facility ID:	58100
Site ID:	59340
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	2401
Spill Date:	1994-05-02
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	1994-05-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1994-05-05

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Spill Record Last Update:	2005-05-17
Spiller Name:	Not reported
Spiller Company:	DEPT OF SANITATION
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY This spill report is believed to refer to an incident in which about 400 gallons of gasoline disappeared from a 550-gallon gasoline UST shortly after a positive pressure test was performed on the tank by NYC Buildings Dept. personnel. Site is currently under remediation for gasoline, diesel fuel, and heating oil contamination. Remediation system installed and overseen by LiRo Engineers under NYCDDC Consent Order. JK 1/6/05. 5/17/05: This spill closed today to consolidate with open spill 9808560 (fuel oil tank pull), under which all site remediation is being conducted by DDC and contractors. - J. Kolleeny"
Remarks:	"WOULD LIKE CALL BACK AS TO NEXT STEP TANK TESTER: MR HOGARSON PLUMING SANITATION CALLED REZA AND BOB OF DGS TO FOLLOW UP."

All Materials:

Site ID:	59340
Operable Unit ID:	998726
Operable Unit:	01
Material ID:	385262
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	400.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9404237 / 1994-06-30
Facility ID:	9404237
Facility Type:	ER
DER Facility ID:	58100
Site ID:	59341
DEC Region:	2
Spill Cause:	Human Error
Spill Class:	C3
SWIS:	2401
Spill Date:	1994-06-27
Investigator:	GUTIERREZ
Referred To:	Not reported
Reported to Dept:	1994-06-27
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	1994-06-30
Cleanup Meets Std:	True
Last Inspection:	Not reported

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-09-23
Spill Record Last Update:	2005-07-07
Spiller Name:	Not reported
Spiller Company:	B'KLYN 13 GARAGE NYC DOS
Spiller Address:	2012 NEPTUNE AVENUE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	""
Remarks:	"10 GALLONS P/U WITH SPEEDY DRY. REST WENT TO DRAIN IN GARAGE FAXED REPORT TO DEP -VALVE NOT COMPLETED , CLOSED."

All Materials:

Site ID:	59341
Operable Unit ID:	998081
Operable Unit:	01
Material ID:	380854
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Site ID:	59341
Operable Unit ID:	998081
Operable Unit:	01
Material ID:	380855
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	75.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9808560 / 2011-10-21
Facility ID:	9808560
Facility Type:	ER
DER Facility ID:	58100
Site ID:	115384
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	2401
Spill Date:	1998-10-09
Investigator:	AXDORONO
Referred To:	CASE CLOSED
Reported to Dept:	1998-10-09

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

CID:	365
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-09
Spill Record Last Update:	2011-10-21
Spiller Name:	Not reported
Spiller Company:	NYC DEPT. OF SANITATION
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	LUIS ESNOVA
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY. AFTER TANK WAS PULLED, HOLES DISCOVERED IN TANK BOTTOM, PRODUCT POOLED IN EXCAVATION PIT. VAC TRUCK PUMPED ABOUT 300 GALLONS OF PRODUCT FROM PIT, BACKHOE EXCAVATED A LOT OF GROSSLY CONTAMINATED SOIL, BUT THERE'S STILL A LOT OF CONTAMINATED SOIL, PROBABLY WITH PRODUCT ON WATER TABLE, LEFT BEHIND. EXCAVATION STOPPED BECAUSE THREATENED TO UNDERMINE ACTIVE DRIVEWAY. JK ALLOWED BACKFILLING OF EXCAVATION WITH UNDERSTANDING THAT RESIDUAL CONTAM. SOIL AND FREE PRODUCT WILL BE ADDRESSED AT SOME POINT IN THE NEAR FUTURE. END-POINT SAMPLES WERE COLLECTED FOR LAB ANALYSIS. SEE ALSO SPILL #9805012 (TANK TEST FAILURE) AND #9711638 (SOIL CONTAMINATED BY #2 FUEL OIL ENCOUNTERED DURING MONITORING WELL INSTALLATION). See also spill #9401508 (gasoline tank failure). Site is under remediation by LiRo Engineers under the NYCDDC Consent Order. - JK, 1/6/05. LiRo has installed and is operating a multi-phase extraction system at the site. Dissolved-phase groundwater contamination has decreased considerably, though free product continues to appear in several wells. System has been adjusted to focus on remaining hot spots, turning off extraction wells in relatively clean areas of the site. 3/01/05: DEC gave email approval of proposed soil boring locations for upcoming round of semi-annual soil monitoring to evaluate current soil conditions at the site. - JK 7/6/05: DEC reviewed Quarterly Monitoring Report for Dec. '04 through Feb. '05, with recommendation to shut down all extraction wells except EW-12, EW-13 and W-15, and to modify EW-15 to operate as an SVE well, in order to focus on remaining contamination. DEC issued letter approving these recommendations on 7/6/05. - J. Kolleeny 9/26/05: DEC reviewed Quarterly Monitoring Report for June through August 2005, presenting 3 proposed boring locations for upcoming round of soil sampling and recommending installation of ORC socks in wells MW-3 and MW-7. JK of DEC sent approval email on 9/26/05, but also asked that wells MW-10 and MW-13 (MTBE above stds. in April '05 but not sampled in July '05) be sampled in next groundwater monitoring event. - J. Kolleeny 12/07/06: Reviewed LiRo's last quarterly monitoring report for site, for Sept.-Dec. '05, dated Jan. 20, 2006. MPE system is shut down due to problem with liquid ring pump. Groundwater results show low levels of MTBE in wells MW-3, MW-7 & MW-13, and persistent inch or so of free product in MW-12 (product in MW-4, MW-11R comes and goes). LiRo recommended not replacing LRP, installing ORC socks in wells with MTBE, and bi-monthly vac truck visits to address free product in

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

MW-12. Site transferred to Greyhawk/Roux. Reviewed Roux's first quarterly report, for April-June 2006, dated June 30, 2006. Free product present in MW-4 (0.06 ft. in 5/06, 0.09 ft. in 6/06) and MW-12 (0.19 ft. in 5/06, 0.39 ft. in 6/06); sheen in MW-11R in June '06. MTBE detected in MW-3 (110 ppb) and MW-7 (11 ppb), naphthalene detected in MW-11R (11 ppb). Roux plans to use a bailer or Spill Buddy to recover product from MW-4 and MW-12; they recommend maintaining system shutdown status, evaluating alternative remedial options for remaining contamination, continuing quarterly groundwater sampling and monthly well gauging, and dropping wells MW-1, MW-2, MW-5, MW-6, MW-8, MW-9, MW-14 and MW-15 from groundwater monitoring program. Sent email to Brian Morrissey of Roux (copied Andy Ledins, Ed Looney of Greyhawk) asking that this site be added to agenda for upcoming meeting with DDC on Dec. 12, 2006. Will discuss site at meeting. - J. Kolleeny 02/08/07: Reviewed Roux's Quarterly report for July-Aug. '06, and received/reviewed email from Brian Morrissey of Roux on 2/7/07 stating: Here is an update regarding NYCDOS Brooklyn East 13; Spill #9808560: Product Levels/Groundwater Gauging: Monthly groundwater gauging and quarterly sampling are conducted. Although several site wells have historically exhibited free phase product, there are currently only 3 wells that routinely require replacement of absorbent socks for sheen control. As you may note from attached PDF file of groundwater gauging tables [in eDocs], only trace amounts of product have been detected sporadically in one well (MW-12) over past six months (0.01 ft in Aug. and 0.01 ft in Jan., no detectable product other months). Wells MW-04 and MW-11R have not exhibited any measurable free product, but do exhibit a sheen. Groundwater Results: As reported in Dec. 15, '06 quarterly report, groundwater results show that NYSDEC AWQSGVs were only exceeded in 4 monitoring wells (MW-01, MW-03, MW-04, and MW-14) with highest total VOCs being 88 ppb (MW-03). Also note that total VOCs of 51 ppb in MW-04 represent only minor exceedances for Isopropylbenzene, Naphthalene and tert-Butylbenzene. Monitoring well MW-11R exhibits only 10 ppb of MTBE, equal to its AWQSGV. No SVOCs were detected, with exception of MW-11R (5.4 ppb, Fluorene), far below its AWQSGV of 50 ppb. Based on these fairly clean analytical results, Roux Associates will attempt to take fingerprint samples of detected product in MW-04, MW-11R and MW-12 during next gauging round to determine if interface being detected by equipment is, in fact, petroleum product. Recommendations: Roux Associates would like to respectfully reiterate recommendations set forth at December 12, 2006 meeting and in Dec. 15, '06 Quarterly Monitoring: 1) Maintain remedial system shutdown status and secure system (to remain onsite). 2) Reduce groundwater sampling frequency from quarterly to semi-annual. 3) Remove SVOCs from sampling program, since SVOCs were detected in only one well and below NYSDEC AWQSGVs. 4) Remove monitoring wells MW-02, MW-05, MW-06, MW-07, MW-08, MW-09, MW-10 and MW-15 from sampling schedule since no compound, either VOC or SVOC, has been detected above NYSDEC AWQSGVs for more than two consecutive monitoring periods. 5) Reduce gauging frequency from monthly to quarterly, as sporadic, trace amounts of product are only detectable in one monitoring well (MW-12), and appear to be effectively controlled by use of petroleum absorbent socks. 6) Remove absorbent socks from MW-04 and MW-11R. If product reappears during the next subsequent gauging round, absorbent socks will be re-installed. 7) Obtain a sample for petroleum fingerprint analysis from MW-04, MW-11R and MW-12. I sent email approving these recommendations on 2/8/07. - J. Kolleeny 03/01/2007: This spill case

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

was transferred to A. Doronova. - AD 03/12/2007: Reviewed site file. This site is in semi-annual monitoring stage. AD 04/24/2007: Received quarterly monitoring report dated April 11, 2007 by Roux. Report covers period October through December 2006. It states that, low-level residual VOC groundwater contamination remains in only four MW on the site. During November 8 and 9 gauging events, odor was detected in wells MW-01, MW-07, MW-08, MW-13 and MW-14. On November 9, 2006, free-phase product appear in wells MW-04 and MW-12 and these two wells could not be sampled. But in the Product Thickness evaluation it states that no free-phase product was detected during the reporting period. (Statements conflict?)In total 14 groundwater samples were conducted on November 8 and 9, 2006. VOC were detected in only five of the 14 MW sampled. The NYSDEC AWQSGVs were exceeded only in four of the five MW. (MTBE - 97ug/L at MW-03). No SVOCs were detected in any of the MW. Based on the data Roux recommends to reduce the frequency of groundwater monitoring from quarterly to annual due low-level residual contamination remains only in four site MW. Spoke to J. Kolleeny regarding free-phase product statements conflict. Sent an email to B. Morrissey of Roux, where asked to clarify this issue; and also, as J. Kolleeny suggested, asked him to keep MW-07, which was previously approved to be removed from sampling program, and suggested to remove MW-01 instead. AD 04/26/2007: Received an email from B. Morrissey. He will clarify free-product statements conflict in the next QMR (1st quarter of 2007). In this report Roux will also comply with the recommendations approved by J. Kolleeny. AD 10/17/2007: Received semi-annual monitoring report. Will review. AD 11/14/2007: During the reporting period Roux performed two rounds of gauging (January and June 2007) and one round of groundwater sampling (January 2007). On the January gauging round, 0.01 feet of free-product was detected in well MW-12 and product sheen was detected in wells MW-04 and MW-11R. Absorbent socks were replaced in all these wells. Although MW-04 and MW-11R exhibited an apparent sheen, no VOCs were detected in MW-11R and naphthalene (9ug/L) was only detected VOC in MW-04. Therefore, Roux conclusion is that the product sheen detected in these two wells may not be petroleum related. But according to data from July 2005 sampling round a fingerprint analysis for a sample of free product from well MW-04 indicated it as a weathered No. 2 fuel oil. Groundwater analytical results: VOCs were detected only in four (MW-03, MW-04, MW-14 and MW-18) of the 15 wells sampled and at relatively low levels. MTBE (14ug/L) in MW-03; benzine (2ug/L) in MW-14 and MW-18; naphthalene (9ug/L) in MW-04. Based on the data Roux states that very low-level residual VOC groundwater contamination remain at the site. Roux recommends to conduct additional soil investigation to determine the current soil quality conditions. An additional site investigation work plan proposes to advance ten soil borings in the historically most impacted soil locations. After evaluation of the results of investigation Roux will determine whether the site should be considered for closure. AD 11/20/2007: Spoke with Jon Kolleeny regarding this site. He suggested to use vacuum truck for wells exhibiting free product and sheen. Spoke with B. Morrissey of Roux, asked him if they gauged the wells since June round. Roux gauged them in July and free product re-appeared in the wells MW-12 and MW-04. Product from MW-12 was identified as No. 2 fuel oil. Asked him if they can apply vacuum truck to these wells. Brian said that the amount of the free product is too small for such measure and that they will try to do bailing. Roux going to perform next gauging event

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

in a week. Asked him to collect free product sample for fingerprint analysis. Later sent an email to Afsar Samani approving ASIWP with a suggestion to apply vacuum truck to wells historically exhibiting sheen and free product. AD 08/08/2008: Received a Semi-Annual Monitoring report. Will review. AD 10/22/2008: Reviewed the report. Roux performed additional site investigation from January 14 to 15, 2008. The scope of work included advancing if 9 soil borings, followed by collection of soil samples. According to the report: Soil quality: No VOCs were detected above RSCOs in any of the 18 soil samples collected from 9 soil borings. Three SVOCs were detected in only one soil boring (RXSB-10) slightly above their RSCOs. Groundwater quality: In April 2008 only Naphthalene was detected in MW-04 (12ppb) No VOCs were detected in the remaining six wells sampled (MW-03, -07, -13, -14, -17 and -18). Based on the historical GW quality data, the majority of the site wells stabilized at non-detect conditions. Free-phase product was detected in two wells during the monitoring period: MW-04 (0.01' in July 2007; and MW-12 (0.01' in July 2007, and 0.03' in November 2007 and April 2008). Based on this data, Roux concludes that: resuming operation of the MPE system would not be efficient of cost effective due to high level of achieved cleaup; low-level residual VOC GW contamination remains in one onsite well near the source area, in which free-phase product intermittently appears; residual SVOC soil contamination slightly above NYSDEC RSCOs remains in a localized area; natural attenuation is apparently taking place at the site. Roux recommends: remove wells MW-03, MW-13 and MW-18 from the GW sampling program due to non-detect VOCs in these wells for two consecutive events; remove SVOCs from the GW sampling program; reduce the frequency of the gauging program; decommission and dismantle the MPE; use petroleum-absorbent socks in MW-04 and MW-12 on as-needed basis. Will prepare a letter. AD 11/10/2008: Sent an email to Afsar Samani. Approved the recommendations with some comments. AD 04/28/2009: Received a Semi-Annual Monitoring report for July 2008 - February 2009 period. DL pdf copy to eDocs. Will review. AD 05/21/2009: Reviewed the report. During the reporting period, on July 23 and October 10, 2008, Roux Associates performed gauging of site monitoring wells. Monitoring wells MW-01 and MW-16 have been paved over and MW-11R was found to have an irretrievable metallic obstruction at 3.91 feet bls; thus, they can no longer be gauged. In addition, MW-06 was not accessible during the July and October 2008 gauging events due to NYCDOS equipment. On July 23, 2008, a petroleum absorbent sock was installed in monitoring well MW-04 and one was replaced in MW-12. Due to the presence of free product on October 10, 2008 the socks were replaced. Groundwater Sampling: Following the October 2008 gauging event, Roux Associates performed groundwater sampling of site monitoring wells. Groundwater flow at the site is in a general north-northwesterly direction on the south side of the site and in a southerly direction beneath the site, under these possibly tidally-influenced conditions. Product Thickness: Free-phase product was detected in two wells during the monitoring period in October 2008: MW-04 (0.01 foot); and MW-12 (0.02 foot). Groundwater Quality: In October 2008, one VOC (MTBE) was detected in monitoring wells MW-03 and MW-07, at concentrations of 9 and 7 micrograms per liter (?g/L), respectively. Neither concentration exceeds the NYSDEC AWQSGV for MTBE of 10 ?g/L. No additional VOCs were detected in the remaining four wells sampled (MW-13, MW-14, MW-17, and MW-18). Based on the historical groundwater quality data presented in the report,

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

the majority of the site wells appear to have stabilized at non-detect conditions. Residual low-level VOC contamination was detected in two onsite monitoring wells (MW-03 and MW-07), which have been fluctuating at low levels since at least April 2005. Based on the conclusions cited above, Roux Associates recommends the following: 1. Replace petroleum absorbent socks in monitoring wells MW-04 and MW-12 on an as-needed basis. 2. Decommission and dismantle the MPE system pending NYSDEC approval. 3. Continue semi-annual groundwater monitoring (gauging and sampling) until free-phase product is no longer detected in MW-04 and MW-12 and confirmation site-wide VOC groundwater sampling is conducted in support of a request for NFA. Some of these recommendations, such as decommission and dismantling of the MPE; usage of petroleum-absorbent socks in MW-04 and MW-12 on as-needed basis, were approved by DEC in November of 2008. AD 02/24/2011: Received a Semi-Annual Monitoring report (July to December 2010). DL the report to eDocs. Will review. AD 03/24/2011: Reviewed the report. In February 2010, NYCDDC replaced Greyhawk/Roux with LiRo Engineers, Inc. (LiRo) to serve as construction manager (CM) for the Brooklyn East 13 site. On March 17, 2010, LiRo conducted a site reconnaissance, completed well inspections and gauged accessible site monitoring wells. During the gauging event, MW-04 was noted as not destroyed and an absorbent sock was observed in the well. On August 4, 2010, LiRo conducted quarterly groundwater gauging of fourteen of fifteen active Site monitoring wells. GW flow indicate radial flow outward from a hydraulic high centered in the southwest portion of the site in the vicinity of MW-02, MW-04, MW-06 and MW-15, with an underlying generally westward gradient. On September 23, 2010, LiRo conducted semi-annual groundwater sampling and collected samples from five of six wells: MW-03, MW-04, MW-07, MW-14 and MW-17. Approximately 0.10 feet of free product was measured in MW-12 and GW sample was not collected from this well. The oil was identified as a weathered #2 fuel oil by fingerprint analysis. On January 7, 2011 EFR was conducted at monitoring wells MW-04 and MW-12. Approximately 105 and 109 gallons of total fluids were removed by EFR from MW-04 and MW-12. Prior to EFR, some visible indications of free product were observed on the water level probe at MW-04 and MW-12, but no measurable product thickness was observed in either well. After the completion of EFR, there were no visible indications of free product observed at either well. Groundwater gauging was conducted on 11 of 15 monitoring wells on January 7, 2011. Groundwater samples were collected from 5 of 6 wells and analyzed of STARS list VOCs, MTBE and Naphthalene. A sample was not collected from MW-12 due to the presence of approximately 0.10 feet of a LNAPL. The MPE system, which is currently inactive, consists of a network of 17 extraction wells (EW-01 through EW-17) from which free phase product, contaminated groundwater and soil vapors were extracted using a liquid ring vacuum pump. Dismantling and removal of the system will be deferred until confirmation of the absence of free product in Site monitoring wells. The most recent soil investigation was completed in January 2008. A total of 18 soil samples were collected from 9 soil borings and submitted for STARS list VOCs and SVOCs. No VOCs were detected above their NYSDEC TAGM guidance values for soils in any of the 18 soil samples. Three SVOCs were detected in only one soil boring (RXSB-10) at concentrations slightly above their respective guidance values. The highest TVOCs and TSVOCs were measured in the sample from RXSB-05 (6 to 8 feet bgs) at 7,830 ppb and 47,800 ppb. There were, however, no TAGM 4046

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

exceedences in the sample from RXSB-05. One or more VOC were detected in 2 of 5 monitoring wells sampled at concentrations above their respective TOGS guidance value. Monitoring well MW-04 exhibited the highest TVOCs at 124.53 ppb and MW-03 of 13.88 ppb ith only one elevated compound - MTBE. Based on the data, LiRo concludes the following: " Moderate levels of TSVOCs were observed in soil samples collected in January 2008 from RXSB-05 and RXSB-10, however only three SVOCs were found above their NYSDEC standards in RXSB-10 soil samples. " Recent and historic groundwater sampling results show de-minimums VOC concentrations in MW-4 and MW-12. " Indications of a very thin free-phase product (i.e. sheen to 0.10 feet) have been historically observed in MW-04 and MW-12 with decreasing thicknesses and volumes over time. The recent observation of free-phase product in MW-12 was a weathered #2 fuel oil. LiRo recommends the following: " Prepare and submit a 6-month Summary Monitoring Report and an Annual Monitoring Report with recommendations for changes (as necessary) to the remedial program. Proposals " Conduct monthly enhanced fluid recovery (EFR) on MW-04 and MW-12, for the next six months. " Revise the current Site Monitoring Program (SMP) to semi-annual gauging of all wells, and semiannual sampling of only MW-4 and MW-12 for VOCs, MTBE and Naphthalene. " Petition for Spill Closure if supported by EFR program and sampling results. AD 09/30/2011: Received a Semi-Annual Monitoring report (January to June 2011). DL the report to eDocs. Will review. AD 10/11/2011: Reviewed the report. It states that between January 7, 2011 and July 13, 2011, LiRo conducted five EFR events at site wells MW-04 and MW-12 in an effort to induce mobilization of small volumes of free-phase product presumed to remain in the vicinity of these wells. An event was not conducted in February 2011, due to weather conditions and access restrictions. Trace amounts of free-phase product (i.e. visible sheen or beads on probe) were observed diring January 2011 EFR event in both wells, and during April EFR event in well MW-12, but no measurable thicknesses or quantifiable volumes were recorded. During the following May and July EFR events no free product was detected in these wells. The EFR efforts at the site was discontinued after the last event conducted on July 13, 2011. On April 22, 2011, LiRo conducted semi-annual groundwater sampling and collected samples from six wells: MW-03, MW-04, MW-07, MW-12, MW-14 and MW-17. Samples were submitted for analysis of STARS list VOCs, MTBE and Naphthalene. One or more VOCs were detected in 3 of 6 monitoring wells sampled at concentrations above their respective NYSDEC AWQSGVs. Monitoring well MW-04 exhibited the highest TVOCs at 45.12 ug/L. Excluding Naphthalene, monitoring well MW-07 exhibited a TVOC concentration of 13 ug/L with only one compound (MTBE) above its AWQSGV. Groundwater elevation contour maps, generated from both the January and April 2011 water level measurements indicate variable flow directions at the site, likely due to tidal influences, with an underlying generally westward flow direction. Typical hydraulic gradients observed at the site - range between approximately 0.023 feet per feet between MW-7 and MW-10 on January 7, 2011) and 0.004 ft/ft (as measured between MW-4 and MW-6 on April 22, 2011). Based on the information presented in this monitoring report, LiRo concludes the following: " The MPE system and post MPE remedial measures have successfully removed soil and groundwater petroleum contamination at the Site. " No VOCs were detected above guidance values in any of the 18 soil samples collected in 2008. " Dissolved phase VOC concentrations are near or below AWQSVGs with TVOC concentrations

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

consistently below 130 ug/L. " No measurable thicknesses or volume of product was observed during routine water level measurements or during the 5 EFR events conducted at MW-04 and MW-12 throughout this monitoring period. Based on the analysis and conclusions presented above, LiRo recommends the closure of Spill No. 9808560. Following spill closure approval, Site monitoring wells will be decommissioned in accordance with NYSDEC CP-43, Groundwater Monitoring Well Decommissioning Policy. To discuss the spill closure request with J. Kolleeny of DEC. AD 11/21/2011: Discussed the spill closure with J. Kolleeny of DEC. Based on the soil and GW data provided it was decided to approve case closure. Issued and sent an approval letter to A. Samani of DDC. DL pdf copy of the letter to eDocs. Case closed. AD "

Remarks: "during an underground tank pull they encountered contaminated soil & its all been excavated - they have also backfilled - dec was on site [ACTUALLY, IT HASN'T ALL BEEN EXCAVATED - SEE DEC NOTES]"

All Materials:

Site ID:	115384
Operable Unit ID:	1065969
Operable Unit:	01
Material ID:	316059
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SANITATION FACILITY
Address:	2012 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	2101533 / 2021-05-19
Facility ID:	2101533
Facility Type:	ER
DER Facility ID:	441632
Site ID:	619249
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2021-05-19
Investigator:	AAOBLIGA
Referred To:	Not reported
Reported to Dept:	2021-05-19
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Date Entered In Computer:	2021-05-19
Spill Record Last Update:	2021-05-19
Spiller Name:	Not reported
Spiller Company:	NYC SANITATION
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	DAVID
DEC Memo:	"5/19/21 - Obligado - Desk Duty - I called David. DEP got a report about a hazardous chemical odor at a sanitation garage. 2 550 gallon unused storage tanks which are emitting odors. They reporting sulfurous odor. They ventilated the tanks. The odors are still strong right now. Sanitation will have a vac truck to flush out the tanks. Sanitation contact - Joseph Liberta -(646) 847 4854. Waiting for crew. The smell appears to be coming from 2 sumps. There are 2 closed in place tanks. The smell is coming from the tanks. 2 nights ago they put sand in the tanks. The whiff comes every few minutes. One employee went to the hospital earlier today. He threw up several times. He was cleaning in the area and felt ill. The other was just complaining of being nauseaus. The garage doors are wide open so the area is well ventilated. Closed in place in 1995. I received a call back from Mr. Joseph Liberta at Department of Sanitation. They had a vac truck vacuum out the abandoned top of tank sumps. They confirmed the tanks were infact closed in place with sand. Subsequent to vacuuming out the sumps, no additional odors were reported. They plan to seal the manholes with cement. As per Randall Austin, no further action required and spill can be closed."
Remarks:	"2 550g storage tanks underground omitting strong sulphur odor. 2 employees have gone for medical treatment"

All Materials:

Site ID:	619249
Operable Unit ID:	1366425
Operable Unit:	01
Material ID:	2379056
Material Code:	9999
Material Name:	other - odor complaint
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Name:	BROOKLYN EAST 13 DOS -DDC
Address:	2012 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9711638 / 2005-01-06
Facility ID:	9711638
Facility Type:	ER
DER Facility ID:	58100
Site ID:	226702
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	2401
Spill Date:	1998-01-15
Investigator:	JAKOLLEE

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Referred To:	Not reported
Reported to Dept:	1998-01-16
CID:	322
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-01-16
Spill Record Last Update:	2005-05-17
Spiller Name:	Not reported
Spiller Company:	NYC SANATATION - BROOKLYN EAST 13 SITE
Spiller Address:	20-12 NEPTUNE AVE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY This spill is closed to consolidate. Refer to open spill #9808560 regarding contamination from leaking #2 fuel oil tank, and #9401508 regarding gasoline tank failure and release. Site is under remediation by LiRo Engineers (DPE system) under NYCDDC Consent Order. - JK 1/6/05."
Remarks:	"during an monitoring well install - contaminated soil encountered"

All Materials:

Site ID:	226702
Operable Unit ID:	1058110
Operable Unit:	01
Material ID:	326285
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	DDC BROOKLYN EAST 13
Address:	2012 NEPTUNE AVE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	1109339 / Not Reported
Facility ID:	1109339
Facility Type:	ER
DER Facility ID:	441632
Site ID:	457108
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	2401
Spill Date:	2011-10-25
Investigator:	AXDORONO
Referred To:	REPORT (12/27/2021) REVIEWED
Reported to Dept:	2011-10-25

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	2011-10-25
Spill Record Last Update:	2022-02-10
Spiller Name:	CALLER
Spiller Company:	UNKNOWN
Spiller Address:	2012 NEPTUNE
Spiller Company:	999
Contact Name:	CALLER
DEC Memo:	"A LiRo Engineers field geologist was preparing to abandon wells at the DOS Brooklyn East 13 facility located at 2012 Neptune Avenue, Brooklyn, NY, as part of our contract with the New York City Department of Design and Construction NYCDDC. This work was initiated in response to the recent closure of Spill No. 9808560. During pre-abandonment activities at former extraction well (EW-02), the geologist discovered approximately 1-foot of free product in the well casing. EW-02 is a 2-inch diameter extraction well for the former Multi-Phase Extraction (MPE) system shut-down in January 2004. See spill 9808560 01/06/2012: This spill case was transferred to A. Doronova. - AD Put site priority as P1. Sent an e-mail to S. Frank of LiRo requesting to submit all available data for the case to my attention. AD 01/13/2012: Received an e-mail from S. Frank of LiRo with an attached report detailing the status of spill #1109339. Report also includes IRM for the site. A hard copy of the report forwarded to DEC as well. DL the pdf copy of the report to eDocs. Will review. AD 01/17/2012: Reviewed the report. It states that in a letter dated October 21, 2011, the NYSDEC approved spill No. 9808560 closure and subsequently, LiRo initiated the abandonment of monitoring wells and 17 remnant extraction wells at the site on October 25, 2011 and abandonment proceeded from north to south, with the successful abandonment of monitoring wells MW-03, MW-07, MW-09, MW-10 and extraction wells EW-04 and EW-06. During the abandonment of extraction well EW-02 approximately 0.5 feet of free-product was observed. The product was described as used oil, opaque and black in color. Upon discovery, LiRo reported the new spill and Spill No. 1109339 was assigned. Further investigation exposed more residual free-product in other extraction wells (EW-02, EW-05, EW-08, EW-09 and EW-13). As reported in the field, the product appeared to have two different consistencies (i.e. originating from two different sources) one discolored black with a thick and viscous consistency (EW-02 and EW-05) and one with a light brown color, translucent appearance and a less weathered and less viscous consistency (EW-08, EW-09 and EW-13). Two product samples of the two different consistencies, were collected from two extraction wells (EW-02 and EW-09) on October 25, 2011, and submitted for petroleum finger-print analysis. Laboratory analytical results reported Lubricating Oil for the EW-02 sample and Weathered Diesel for the EW-09 sample. EFR events were conducted at the site on October 27, November 2 and December 19, 2011 and supplemental groundwater monitoring was

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conducted on October 27th, 31st and December 19th. Product thickness measurements were conducted in site wells and vacuum induced EFR was applied to extraction wells EW-02, EW-09, EW-11 and EW-13. It is suspected that the source of product observed in EW-02 is from improper handling and storage of waste oil at the site and the source of product observed in EW-09 is remnant contamination from the former remedial system or from Spill No. 9808560. LiRo states that the observations of product from either source represent small volumes and may be effectively remediated by the application of EFR as IRM. The proposed IRM includes monthly EFR with groundwater level and product thickness monitoring at the site between February 2012 and July 2012 to provide information and field data on the nature and volume of product at the site. A vacuum truck will be used to conduct EFR extraction on site monitoring and extraction wells that have measurable thicknesses of free-product during each event or as indicated by monthly groundwater and product monitoring. At the end of the IRM period LiRo will make recommendations for further actions based on the results of the IRM. LiRo recommends re-opening the closed spill number (Spill No. 9808560) and maintaining the new spill (Spill No. 1109339) as separate spill numbers for the purpose of tracking the observations of two separate types of free-product at the site. Diccussed the WP with J. Kolleeny of DEC. The closed spill 9808560 will not be reopend. The site will have new spill number - 1109339. GW samples should be collected at the end of the proposed 6-month period. To issue an IRM WP approval letter. AD 01/18/2012: issued and sent an approval letter to A. Samani of DDC with the following remark: At the end of IRM period, groundwater samples should be collected from all wells from which LNAPL has been successfully removed, and from a selection of nearby monitoring wells, and submitted for laboratory analysis. The groundwater analytical data should be included in the summary report. AD 08/08/2012: Had a quarterly meeting with DDC and LiRo. Discussed the site. Monthly EFR events are conducted at the site. Evaluation of this IRM will be presented in 2nd quarter 2012 monitoring report. AD 11/16/2012: Received IRM report for the period January - September 2012. Will review. AD 12/21/2012: Reviewed the report. It states that the IRM performed thus far in 2012 (January through September) included monthly EFR with groundwater level and product thickness monitoring at the Site. EFR events during this monitoring period were completed in February through May, August and September 2012. A vacuum truck was used to conduct EFR extraction on Site monitoring wells and extraction wells that have measurable thicknesses of free-product during each event or as indicated by monthly groundwater and product monitoring. Hydraulic Monitoring During this monitoring period, groundwater gauging events were conducted on February 8, March 13, April 26, May 31, August 23 and September 10, 2012. Water levels were collected from non-abandoned, accessible monitoring and extraction wells. Groundwater elevation contour maps, were generated from both the February 2012 and September 2012 water level measurements. Contours indicate variable flow directions at the Site, likely due to tidal influences. Typical hydraulic gradients observed at the Site range between approximately 0.01 feet per foot (ft/ft) (as measured between MW-18 and MW-12 on February 8, 2012) and 0.003 ft/ft (as measured between MW-5 and MW-6 on September 10, 2012). Between January and September 2012 six EFR events were conducted in an effort to induce mobilization and remove small volumes of residual free-phase product remaining in the wells mentioned above. Varying

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amounts of free-phase product were observed, but no quantifiable removal volumes were recorded. The suspected source of product observed in EW-02 (and surrounding wells) is from improper handling and storage of waste oil at the Site (Spill No 1109339). The source of product observed in EW-09 (and surrounding wells) is remnant contamination from the former remedial system or from Spill No. 9808560. In general, there was measurable free-phase product observed at Site in monitoring and extraction wells EW-02, EW-05, EW-08, EW-09, EW-13 and MW-12. However, there is no distinct trend in measured product thicknesses for this monitoring period. On October 29, 2012, flooding occurred at the Site from Hurricane Sandy. On November 1, 2012, at the request of NYCDDC, LiRo attempted a Site visit to determine what impacts (if any) the hurricane had at the Site. DOS representatives refused access to the Site. NYCDDC is currently coordinating access with DOS to evaluate current Site conditions. Groundwater samples will be collected, analyzed and submitted for the NYSDEC CP-51 list of VOCs, MTBE, Naphthalene and SVOCs (where applicable) when monitoring and extraction wells are free of petroleum product for six months. AD 12/10/2013: Received semi-annual IRM report for the periods: November 2012 to April 2013, and May 2013 to November 2013. DL the report to eDocs. Will review. AD 01/09/2014: Reviewed the report. It states that the scheduled EFR events for October 2012 through December 2012 were not conducted due to severe damage and flooding inflicted at the Site by Hurricane Sandy. During a November 1, 2012, Site walkover, conducted immediately after the storm, it was noted that a puddle of free-phase product (oil) of an unknown origin was in the road curb outside the Site. It was reported by the DSNY Site contact that the Site was closed and had been flooded by up to 7-feet of water and that the interior of the Site was contaminated by motor oil, waste oil and raw sewage. Access to the Site was not provided. During a November 30, 2012, follow-up Site visit to assess interior conditions, the DSNY Site contact stated that DSNY had not yet assessed the Site USTs or ASTs for damage or leakage. The DSNY Site contact noted that one (1) of the five (5) interior ASTs (the 275-gallon used oil AST) had become dislodged from its saddle and had been found floating on the other side of facility. The IRM EFR events and water level measurements resumed on January 9, 2013, and were conducted on a twice a month frequency between January 2013 and May 2013 and between September 2013 and November 2013. In June and July 2013 EFR events were performed on a monthly frequency and none were completed in August 2013 due to sub-contract issues. Between June 17 and 27, 2013, LiRo conducted a tidal influence study utilizing three (3) Site monitoring wells (MW-05, MW-08 and MW-17) and one extraction well (EW-14). On September 5, 2013, a new Spill was listed on the NYSDEC Database for the Site (Spill No. 1305932) with an unknown material and a reported cause of vandalism. The spill was called in during a floor drain/catch basin excavation when oil stained soil was observed. A separate Site Investigation Plan (SIP) for Spill Mo. 1305932 will be prepared and submitted to the NYSDEC after LiRo reviews proposed catch-basin excavation soil sample results. On November 26, 2013, LiRo collected supplemental fingerprint samples from EW-02, EW-05, EW-09 and EW-11. Conclusions: Between December 2012 and September 2013 fourteen EFR events were conducted in an effort to induce mobilization and remove residual free-phase product remaining in the wells with measurable product. Approximately 22,102 gallons of total fluids were removed from Site wells for the

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monitoring period (November 2012 to November 2013) for the IRM. Spill No. 1109339: For the monitoring period, there was measurable free-phase product (Waste Oil) observed at extraction wells EW-02 and EW-05. However, there was no distinct trend in measured product thicknesses due to the increase in thicknesses observed in EW-05 between June 2013 and September 2013 and subsequent decline. Spill No. 1305932: In general for the monitoring period, there was measurable free-phase product (Weathered Diesel) observed at Site in monitoring and extraction wells EW-08, EW-09, EW-13 and MW-12. There was a distinct decreasing trend in measured product thicknesses from the December 2012 high to the end of this monitoring period. The suspected source of waste oil product observed in EW-02 and EW-05 is from improper handling and storage of waste oil at the Site (Spill No 1109339). The suspected source of product observed in EW-09, EW-08, EW-13 and MW-12 is remnant contamination from the former remedial system from Spill No. 9808560 and is also associated with the oily soil reported for Spill No. 1305932. Based on the analysis and conclusions presented above, LiRo recommends the following: - Maintain schedule of bi-monthly (i.e. twice a month) site-wide product gauging and EFR events at wells with observed product. - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect groundwater samples from all accessible Site wells and submit for analysis of the NYSDEC CP-51 list of VOCs and SVOCs. - Coordinate with the on-site DSNY representative to collect soil samples from the final catch basin excavation and submit for analysis of the NYSDEC CP-51 list of VOCs and SVOCs. Prepare a SIP after review of planned Site-wide groundwater sample results and catch basin soil sample results. There are no proposals that require NYSDEC approval. AD 07/24/2014: received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure and Semi-Annual Monitoring Report for Spill Nos. 1109339 and 1305932, DSNY Brooklyn East 13 Garage, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on July 23, 2014. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report includes a recommendation to reduce the groundwater sampling frequency from semi-annual to annual. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Craig T. Taylor Project Hydrogeologist LiRo Engineers, Inc. Will review. AD 08/05/2014: Reviewed the report. It states that the Site monitoring program (SMP) for the period of December 1, 2013 to May 31, 2014, included water level gauging from accessible Site wells, semi-annual sampling from nine (9) wells (MW-04, MW-05, MW-06, MW-08, MW-12, MW-13, MW-14, MW-17 and MW-18) and an EFR IRM at nine (9) locations (EW-02, EW-05, EW-08, EW-09, EW-11, EW-13 EW-14, MW-04 and MW-12). All groundwater samples are submitted for analysis of CP-51 list VOCs and results are compared to the NYSDEC Division of TOGS (1.1.1). On October 25, 2011, abandonment of MPE system wells was initiated at the Site from north to south, however, the abandonment of extraction well EW-02 revealed approximately 0.5 feet of free-product within the well. The product was described as used oil, opaque and black in color. The completion of dismantling and removal of the system was deferred until freephase product is absent in remaining monitoring and extraction wells at the Site. Free

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product data: For the current monitoring period there was an overall decrease, albeit sporadic, in thicknesses in EW-08, EW-09, EW-13 and MW-12 from the December 2012/January 2013 highs to December 2013/May 2014 lows. The product thicknesses measured at EW-11 exhibited an anomalous rise, up to 3.12 feet, between January 2014 and April 2014. The thicknesses in EW-11 have remained below 0.10 feet for the last three EFR events of the monitoring period. GW data: For the reporting period, routine semi-annual groundwater gauging and sampling was completed by LiRo on April 17, 2014. LiRo conducted semi-annual water level gauging at accessible Site monitoring wells and collected nine (9) semi-annual groundwater samples from Site wells April 2014 groundwater analytical results were compared to NYSDEC AWQSGVs. One VOC (Benzene) was reported at a concentration above its respective NYSDEC AWQSGV at one well location (MW-17). Groundwater total VOC concentrations ranged from non-detect (ND) in five (5) locations (MW-05, MW-06, MW-08, MW-12, and MW-13) to 10 micrograms per liter (?g/L) in monitoring well MW-17. A comparison of total VOC concentration trends between April 2011 and April 2014 shows low (i.e. less than 10 mg/L) concentrations of dissolved phase VOCs in site groundwater, with 8 of 9 sampled locations reporting all VOCs below their respective AMQSGVs in April 2014. All monitoring wells report a decreasing trend in VOC concentrations or no change with the exception of MW-18 which reported a slight increase in TVOC concentrations. EFR: Between December 2013 and May 2014 eleven (11) EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 13,364 gallons of total fluids were removed from Site wells for the monitoring period. Based on the analysis and conclusions presented above, LiRo recommends the following: - Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product. - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. These actions will be conducted as part of the routine monitoring program until proposals beloware approved by the NYSDEC: The following proposals require NYSDEC approval: 1) Reduce the frequency of groundwater sampling from semi-annual to annual. AD 03/13/2015: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill Nos. 1109339 and 1305932, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on March 13, 2015. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report includes a proposal that requires your review and approval for consolidation of Spill Number 1305932 into Spill Number 1109339. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 04/03/2015: Reviewed the report. It states that: EFR: For the monitoring period (June 2014 to December 2015) approximately 4,041

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gallons of total fluids were removed from site wells by EFR. For the current monitoring period ten (10) EFR events were conducted. A 2nd event for July 2014 was not conducted due to site inaccessibility and after the 1st event for November 2014 due to NYCDDC budgetary constraints. Starting in January 2015, product removals will be completed by hand-bailing (i.e. wells with 2-inch or greater inner diameters) and/or eristaltic pumps (i.e. wells with less than 2-inch inner diameters) until the resumption of removal by EFR. Soil conditions: Oily soil was observed during the excavation of a Site catch-basin in September 2013 and subsequently Spill No. 1305932, was assigned to the site. LiRo coordinated with DSNY to collect soil samples from the final excavation. During this monitoring period five (5) soil samples (i.e. W1 through W4 and Bottom) were collected from a DSNY managed catch-basin excavation. All December 2013 soil samples were submitted for analysis of the NYSDEC s October 21, 2010, Final Commissioner Policy, CP-51 Soil Cleanup Guidance (CP-51) list of VOC and SVOCs and results were compared to CP-51 Soil Cleanup Levels (SCLs) criteria. One or more CP-51 list VOCs were reported at concentrations above SCLs in three (3) of five (5) December 2013 soil samples: W1, 5.5 to 6.0 feet bgs; W2, 5.5 to 6.0 feet bgs and W4, 5.5 to 6.0 feet bgs. Reported total VOCs ranged between ND in W3 sample to 27,000 ug/kg in the W2 sample. One or more CP-51 list SVOCs were reported at concentrations above SCLs in four (4) of five December 2013 soil samples: W2, 5.5 to 6.0 feet bgs; W3, 5.5 to 6.0 feet bgs; W4, 5.5 to 6.0 feet bgs and Bottom, 6.5 to 7.0 feet bgs. Reported total SVOC concentrations ranged between 15,560 ug/kg in the Bottom sample to 116,500 ug/kg in the W2 sample. Summary: On December 17, 2014, LiRo conducted groundwater gauging at accessible Site wells. The performance of field activities has been impacted at the site due to NYCDDC delays in funding for the new PW348-64 contract. As a result of these delays, groundwater sampling and November/December 2014 EFR events were not completed during this monitoring period. EFR Between June 2014 and December 2014 ten (10) EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 4,041 gallons of total fluids were removed from Site wells for the monitoring period. Overall, product thicknesses were typically below in EW-02 and EW-05 with an overall monitoring period average of 0.06 feet, when compared to the previous monitoring periods. The distinct decreasing trend in measured product thicknesses, from the December 2012 high to the end of this monitoring period at the site in monitoring and extraction wells EW-08, EW-09, EW-13 and MW-12, has been maintained. Based on the analysis and conclusions presented above, LiRo recommends the following: Actions The following actions will be conducted as part of the routine monitoring program until proposals below are approved by the NYSDEC: - Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. Proposals: The following proposals require NYSDEC approval: 1) Consolidate Spill Nos. 1305932 and 1109339 into one Spill No. (e.g. 1109339). As it was discussed and agreed at the quarterly meeting with DDC and LiRo, consolidation of the spills will be postponed till groundwater samples from the new spill will be collected. AD

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12/21/2015: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill Nos. 1109339 and 1305932, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on December 21, 2015. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report includes a proposal that requires your review and approval for consolidation of Spill Number 1305932 into Spill Number 1109339. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 01/25/2016: Reviewed the report. It states that for the reporting period, routine semi-annual groundwater gauging and Site-wide sampling was completed by LiRo on May 14, 2015, and September 23 to 24, 2015. A supplemental groundwater sampling event was also completed on January 23, 2015, in lieu of the 2nd 2014 sampling round not completed due to NYCDDC delays in funding for the new PW348-64 contract. For each of the three sampling rounds, LiRo conducted water level gauging at accessible Site wells. For the January 2015 and May 2015 sampling rounds LiRo collected eight (8) groundwater samples. For the September 2015 sampling round LiRo collected nine (9) groundwater samples. During the September 23, 2015, groundwater gauging event groundwater was observed between 3.44 and 5.41 feet bgs. Groundwater elevations ranged between -0.37 and 0.41 feet AMSL. Free phase product was detected in two (2) gauging locations: EW-09 and MW-02R, with thickness ranging between 0.17 feet (EW-09) and 0.19 feet (MW-02R). Groundwater Total VOC Trends: A review of total VOCs trends in the January 2015, May 2015 and September 2015 shows very low (i.e. less than 10 ug/L) concentrations of dissolved phase VOCs in Site groundwater, with all sampled locations reporting all VOCs below their respective AWQSGVs in all three sampling rounds. During the August 6, 2015, quarterly meeting with NYCDDC, NYSDEC and LiRo, the NYSDEC expressed concern that VOCs observed in the December 2013 catch-basin soil samples may be impacting groundwater and requested the completion of site-wide groundwater sampling. On September 11, 2015, two (2) replacement monitoring wells (MW-02R and MW-04R) were installed at the Site and both wells were developed on September 14, 2015. EFR: The performance of field activities had been impacted at the Site due to NYCDDC delays in funding for the new PW348-64 contract and as a result of these delays, EFR events were not completed between January 2015 and March 22, 2015. On March 2, 2015, March 9, 2015 and March 16, 2015, LiRo conducted hand-bailing and product removal using a peristaltic pump. However, due to the relatively small volumes removed (i.e. typically less than 5 gallons), the March 2015 removals via peristaltic pump are not included in EFR total fluid volume estimates. EFR events resumed at the Site on March 23, 2015. For the monitoring period approximately 16,685 gallons of total fluids were removed from Site wells by EFR. For the current monitoring period fifteen (15) EFR events were conducted. Overall, product thicknesses were within historic averages and with an overall monitoring period average of 0.03 feet, when compared to the previous monitoring periods. A June 2015 spike in the

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thickness measured in MW-12 warrants continued monitoring and EFR. September 2015 Replacement Well Soil Samples: A total of six (6) soil samples were collected from two (2) monitoring well soil borings (MW-02R and MW-04R) for analysis of the NYSDEC s October 21, 2010, Final Commissioner Policy, CP-51 Soil Cleanup Guidance (CP-51) list of VOC and SVOCs and results were compared to CP-51 Soil Cleanup Levels (SCLs) criteria. Two (2) VOCs were reported above their respective NYSDEC SCLs in one (1) sample (MW-02R, 7.0 to 8.0 feet bgs). Total VOC concentrations ranged between below the laboratory reporting limit (i.e. nondetect [ND]) in the MW-04R sample from 14.0 to 15.0 feet bgs and 39,020 mg/kg in the MW-02R, 7.0 to 8.0 feet bgs sample. Seven (7) SVOCs were reported above their respective NYSDEC SCLs in one (1) sample (MW-02R, 6.0 to 7.0 feet bgs). Total SVOC concentrations ranged between ND in 2 samples (MW-02R, 14.0 to 15.0 feet bgs and MW-04R, 14.0 to 15.0 feet bgs) and 102,470 ?g/kg in the MW-02R, 6.0 to 7.0 feet bgs sample. Given the generally low concentrations in soil sample results, no additional soil sampling is warranted in relation to Spill No. 1305932 at this time. Summary: With few exceptions, recent (September 2013/2015) and historic (January 2008) soil sample results report CP-51 list VOCs and SVOCs at generally low (i.e. less than 25,000 ug/kg TVOCs and less than 50,000 ug/kg TSVOCs) concentrations. These SVOC concentrations are typical for urban fill. Based on January, May and September 2015 groundwater sample results, reported CP-51 list VOCs and SVOCs in Site soils do not appear to significantly affect groundwater dissolved phase concentrations. Based on the analysis and conclusions presented above, LiRo recommends the following: The following actions will be conducted as part of the routine monitoring program until proposals below are approved by the NYSDEC: -Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). -Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. -Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. Proposals The following proposals require NYSDEC approval: 1) Consolidate Spill Nos. 1305932 and 1109339 into one Spill No. (e.g. 1109339). AD 02/22/2016: In the recent report LiRo states that: Based on recent (September 2015) and historic soil sample results, VOCs are generally absent or at low concentrations (i.e. less than 25,000 ?g/kg total VOCs) in Site soils. Similarly, SVOCs are typically found at low concentrations (i.e. less than 50,000 ?g/kg total SVOCs) which is within the typical concentration range for urban soils. Based on January, May and September 2015 groundwater sample results, reported CP-51 list VOCs and SVOCs in Site soils do not contribute to groundwater dissolved phase contamination. Given the generally low concentrations in soil sample results, no additional soil sampling is warranted in relation to Spill No. 1305932 at this time. Taking into consideration most recent results of soil and groundwater investigation, DEC decided to consolidate Spill Nos. 1305932 and 1109339 into one Spill No. (e.g. 1109339). Spill No. 1305932 closed. AD 06/07/2016: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on June 7, 2016. A link to the website is included:

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https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report includes a proposal that requires your review and approval. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 07/20/2016: Reviewed the report. It states that for the reporting period, routine semi-annual groundwater gauging and Site-wide sampling was completed by LiRo on March 8, 2016. LiRo conducted groundwater gauging at accessible Site wells and collected Site-wide groundwater samples from ten (10) sampling locations listed in the SMP. Groundwater samples were submitted for CP-51 list VOCs and analytical results were compared to the NYSDEC AWQSGVs. The Site monitoring program (SMP) completed for the period of October 1, 2015 to March 31, 2016, included water level gauging from accessible Site wells and an EFR IRM at ten (10) locations (EW-02, EW-05, EW-08, EW-09, EW-11, EW-13 EW-14, MW-02R, MW-04R and MW-12). During the March 8, 2016, groundwater gauging event groundwater was observed between 3.51 and 5.17 feet bgs. Groundwater elevations ranged between -0.07 and 0.67 feet above mean sea level (AMSL). Free phase product was not observed during gauging. The interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.002 feet per foot (ft/ft). Groundwater Sampling March 2016: One or more CP-51 list VOCs were reported at concentrations above the NYSDEC AWQSGVs in one (1) (i.e. MW-02R) of ten (10) samples. The reported total VOCs ranged from non-detect [ND] in seven (7) locations (MW-04R, MW-05, MW-06, MW-08, MW-13, MW-17 and MW-18) to 46 micrograms per liter (?g/L) in monitoring well MW-02R. A review of total VOC concentration trends shows generally very low (i.e. less than 10 ?g/L) concentrations of dissolved phase VOCs in Site groundwater, with only one location (MW-02R) reporting VOCs at concentrations above their respective AWQSGVs. EFR: Between October 2015 and March 2016 twelve (12) EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 10,875 gallons of total fluids were removed from Site wells for the monitoring period. Overall, product thicknesses were within or below historic averages and with an overall monitoring period average of 0.01 feet. Based on the analysis and conclusions presented above, LiRo recommends the following: Actions - Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. The following proposal requires NYSDEC approval: - Reduce the frequency of groundwater sampling to annual while maintaining the frequency of routine reporting of the EFR IRM and Site monitoring at semi-annual. 08/02/2016: Received the following e-mail from Steve Frank: Hi Ainura, Please see the attached letter requesting a reduction in EFR frequency at Brooklyn East 13 and let us know if our proposal is OK with you. Thanks, Steve Frank Will review. AD 08/16/2016: Looked at the request. It states that

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recent groundwater gauging measurements have indicated a Site-wide reduction in the distribution, incidence and thickness of measurable product in Site wells. Based on this data, LiRo requests reducing the frequency of EFR at the New York City Department of Sanitation (DSNY) Brooklyn East 13 garage from bi-monthly (i.e. twice a month) to monthly. AD 08/17/2016: Sent an e-mail to S. Frank, approving the request. AD 12/30/2016: Received the following e-mail from LiRo; Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on December 30, 2016. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 01/25/2017: Reviewed the report. This report presents the results of free-phase product removal and monitoring at the site for the period of April to September 2016. On September 15, 2016, LiRo conducted groundwater gauging at accessible Site wells and collected sitewide groundwater samples from nine (9) sampling locations listed in the SMP. Groundwater samples were submitted for CP-51 list VOCs and analytical results were compared to the NYSDEC AWQSGVs. September 15, 2016, groundwater elevation measurements indicated that the interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.002 feet per foot (ft/ft). The groundwater flow direction is generally inconsistent with previous reports/observations, since the site is tidally influenced and flow directions have been variable. Tidal Influence Study: Between June 17, 2013, and June 27, 2013, LiRo conducted a tidal influence study at the Site. The study confirmed that Site monitoring wells are directly influenced by tidal fluctuations in direct proportion to the distance from Coney Island Creek (i.e. higher tidal efficiency in wells closer to the creek). Observed tidal influences ranged between 20.1% (MW-05) and 5.3% (MW-17). The Site monitoring program (SMP) completed for the period of April 1, 2016 to September 30, 2016, included water level gauging from accessible Site wells and an EFR IRM at nine (9) locations (EW-02,EW-05, EW-08, EW-09, EW-11, EW-13, EW-14, MW-02R and MW-12). MW-04R was reported destroyed during the September 15, 2016, groundwater sampling event. Due to the absence of reported product in MW-04/MW-04R between January 2014 and September 2016 and the absence of reportable VOCs in the March 2016 MW-04R groundwater sample, a replacement for MW-04R will not be proposed. GW data: One or more CP-51 list VOCs were reported at concentrations above the NYSDEC AWQSGVs in three (3) (i.e. MW-02R, MW-12 and MW-17) of nine (9) samples. The reported total VOCs ranged from ND in three wells (MW-08, MW-13 and MW-18) to 24 ug/L in well MW-12. A review of total VOCs trends show a continuation of generally very low (i.e. less than 25 ?g/L) concentrations of dissolved phase VOCs in site groundwater. Free-product observed in site wells is producing minimal impacts to the site groundwater. EFR: Between April 2016 and September 2016 ten EFR events were conducted at the site. Approximately 9,127 gallons of total fluids were removed from the

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wells for the monitoring period. Overall, product thicknesses were within or below historic averages and with an overall monitoring period average of less than 0.01 feet. Recent EFR events conducted after the end of this reporting period (i.e. October and November 2016) reported a spike in product thickness in MW-02R from a maximum of 0.22 feet and an average of 0.04 between September 2015 and September 2016 to a maximum of 1.65 feet on November 28, 2016, and an average of 1.07 feet between November 2016 and December 2016. Consequently, the frequency of EFR has been increased to a bi-monthly (i.e. twice a month) schedule. Based on the analysis and conclusions presented above, LiRo recommends the following: - Maintain schedule of bi-monthly (i.e. twice a month) site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 07/18/2017: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on July 18, 2017. A link to the website is included: https://private.filesanywhere.com/fs/v.aspx?v=8c7165b95c979f799fa1&C=573 The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 08/02/2017: Reviewed the October 2016-March 2017 monitoring report. The Site monitoring program (SMP) completed for the period of October 1, 2016 to March 31, 2017, included water level gauging from accessible wells and an EFR IRM at nine locations (EW-02, EW-05, EW-08, EW-09, EW-11, EW-13, EW-14, MW-02R and MW-12). During the March 9, 2017, groundwater gauging event groundwater was observed between 5.70 and 8.51 feet bgs. The interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.002 feet per foot (ft/ft). The groundwater flow direction is generally inconsistent with previous reports/observations, likely due to the Site being tidally influenced. For the reporting period, routine semi-annual groundwater gauging and Site-wide sampling was completed by LiRo on March 9, 2017. One or more CP-51 list VOCs were reported at concentrations above the NYSDEC AWQSGVs in one (MW-06) of five (5) samples. The reported total VOCs ranged from ND in three (3) locations (MW-08, MW-17 and MW-18) to 45 ug/L in well MW-06. Groundwater Total VOC Trends A review of total VOC concentration trends show a continuation of generally very low (i.e. less than 50 ug/L) concentrations of dissolved phase VOCs in Site groundwater . Free-product observed in site wells is producing impacts to site groundwater. EFR: Between October 2016 and March 2017, 15 EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 9,058 gallons of total fluids were removed from site wells for the monitoring period and a total of approximately 106,650 gallon removed since the inception of EFR.

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Overall, a product thicknesses showed increases above historic averages with an overall monitoring period average of approximately 0.22 feet. EFR conducted during this reporting period reported multiple product thickness measurements in MW-02R with a maximum of 2.07 feet and a six month average of 1.09 feet. Consequently, the frequency of EFR has been changed from monthly to a bi-monthly (i.e. twice a month) schedule. Based on the analysis and conclusions presented above, LiRo recommends the following: - Install replacement monitoring well (MW-12R) for destroyed monitoring well MW-12. Due to the close proximity of former EW-13 and MW-12, former extraction well EW-13 will not be replaced. - Maintain schedule of bi-monthly site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 04/06/2018: Received The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for April 2017 to September 2017. Will review. AD 05/04/2018: Reviewed the report. It states that between April 2017 and September 2017, eleven (11) gauging and/or EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 495 gallons of total fluids were removed from Site wells for the monitoring period and a total of approx. 107,145 gallons removed since the inception of EFR. Overall, product thicknesses showed a decrease above historic averages with an overall monitoring period average of approximately 0.06 feet. No free product was measured in any of the accessible monitoring wells since May 5, 2017. The last EFR event was April 28, 2017. Accessible monitoring wells are gauged on a monthly basis. If measureable free product thickness returns then EFR will be performed on a twice-monthly basis. Soil: Based on recent (September 2015) and historic soil sample results, VOCs are generally absent or at low concentrations (i.e. less than 25,000 ug/kg total VOCs) in Site soils. Similarly, SVOCs are typically found at low concentrations (i.e. less than 50,000 ug/kg total SVOCs) which is within the typical concentration range for urban soils. Based on October 2016 to March 2017 groundwater sample results, reported CP-51 list VOCs and SVOCs in site soils do not contribute to groundwater dissolved phase contamination. Groundwater: The September 2017 sampling event reported generally low (less than 50 ug/L) to ND concentrations of TVOCs in all groundwater samples and a maximum TVOC concentrations of 41 ug/L, at monitoring well MW-18. The TVOC concentration was due to one VOC, Naphthalene is the highest TVOC concentration reported for this monitoring well. Additional sampling events are required to determine if this is an anomalous elevated reading or part of an increasing trend. Based on the analysis and conclusions presented above, LiRo recommends the following: Actions The following actions will be conducted as part of the routine monitoring program: - Install a replacement monitoring well (MW-13R) for the destroyed monitoring well MW-13. - Install replacement monitoring well (MW-12R) for destroyed monitoring well MW-12. Due to the close proximity of former EW-13 and MW-12, former extraction well EW-13 will not be replaced. - Maintain schedule of bi-monthly (i.e. twice a month) Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). -

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Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 08/22/2018: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on August 22, 2018. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v=8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 09/26/2018: Reviewed the semi-annual report for the period of October 2017 - March 2018. It states that LiRo performed EFR events on wells with LNAPL on December 12, 2017; January 3, 2018; January 26 2018; February 7, 2018 and March 14, 2018. Between January 2018 and February 2018, LiRo installed, surveyed and developed replacement well MW-12R. On March 7, 2018, LiRo sampled 8 site wells. The reported TVOCs in the wells ranged from ND to 72 ppb in well MW-02R. Free product thickness in the wells ranged from ND to 0.36' in well MW-14 and 0.95' in MW-02R. Free product observed in the site wells is producing low impacts on the GW quality. EFR: Seven gauging and/or EFR events were conducted for the reported period. Approximately 1,145 gallons of total fluids were removed from site wells during reported period. LiRo states that based on the GW data, site soils do not contribute to the GW dissolved contamination. Based on the analysis LiRo recommends the following: Actions The following actions will be conducted as part of the routine monitoring program: - Install a replacement monitoring well (MW-13R) for the destroyed monitoring well MW-13. - Maintain schedule of bi-monthly (i.e. twice a month) site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 01/04/2019: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on January 4, 2019. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v=8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New

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York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 02/11/2019: Reviewed the report. It states that for the monitoring period: (April 2018 to September 2018) the Site monitoring program (SMP) included water level gauging from accessible wells and EFR at six (6) locations (MW-12R, MW-14, EW-05, EW-04, EW-11, and MW-02R) if product was present. GW sampling: For the reporting period, LiRo completed routine semi-annual groundwater gauging and Site-wide sampling on August 29, 2018. During the August 29, 2018, groundwater gauging event groundwater was observed between 6.22 and 7.70 feet bgs. Groundwater elevations ranged between -0.92 and -2.83 feet above mean sea level (AMSL). GW data: Groundwater The August 2018 sampling event reported no CP-51 VOCs above AWQSGVs. The maximum TVOC concentration of 13 ?g/L, was reported at monitoring well MW-02R. Well MW-02R typically contains free-product. EFR: Between April 2018 and September 2018, 10 gauging/EFR events were conducted on the wells. Approximately 1,312-gallons of total fluids were removed from Site wells for the monitoring period and a total of approximately 109,602-gallons removed since the inception of EFR. Averall, product thicknesses lowered since the previous monitoring period with an overall monitoring period average of approximately 0.0084 feet. Accessible monitoring wells are gauged on a monthly basis. If measureable free product is present, then EFR is performed on a routine basis, depending on product levels. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: Actions The following actions will be conducted as part of the routine monitoring program: - Install a replacement well (MW-13R) for the destroyed monitoring well MW-13 (Proposed for the April 2018 to September 2018 monitoring period but was unable to be installed due to construction work in the vicinity of the replacement well location).:\\- Maintain schedule of bi-monthly (i.e. twice a month) to monthly Site-wide product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals that require NYSDEC approval. AD 06/25/2019: Received the following e-mail from LiRo: Ms. Doronova, The Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on June 25, 2019. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report includes a proposal which requires your review and approval. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 07/01/2019: Reviewed the report. It states that the site monitoring program (SMP) completed for the period of October 2018 to March 2019, included water level gauging from accessible Site wells and monthly EFR at three (3) locations (EW-05, MW-02R, and MW-12R). LiRo performed groundwater gauging and

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EFR on wells with free-product on October 22, 2018, November 12, 2018, January 11, 2019, February 6, 2019, February 27, 2019, and March 18, 2019. On March 5, 2019, LiRo conducted groundwater gauging at accessible wells and collected samples from seven of eight site wells. Groundwater samples were submitted for CP-51 list VOCs and analytical results were compared to the NYSDEC AWQSGVs. No sample was collected from well MW-12R due to the presence of free-phase product. Of the seven groundwater samples collected, only well MW-02R reported VOCs at concentrations above AWQSGVs. Well MW-02R reported three CP-51 list VOCs (Isopropylbenzene, n-Propylbenzene, and sec-Butylbenzene) at concentrations above their respective guidance values. The TVOCs for well MW-02R was reported at 43 ug/L. Hydrogeology: During the March 4, 2019, groundwater gauging event, groundwater was observed between 6.18 and 7.81 feet bgs. Groundwater elevations ranged between -1.67 and -2.84 feet above mean sea level (AMSL). The March 4, 2019, groundwater elevation measurements are presented in Table 3 and a groundwater contour map is presented in Figure 5. The interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.01 feet per foot (ft/ft) as measured from MW-14 to MW-12R. The groundwater flow direction is generally consistent with the historical groundwater flow direction. However, groundwater flow may vary due to the tidal influence on groundwater elevations as described below. Groundwater TVOC Trends: A review of TVOC concentration trends show a continuation of generally very low (i.e. less than 75 ug/L) concentrations of dissolved phase TVOCs in Site groundwater. Of the seven wells sampled in March 2019, five (5) reported an increase, one (1) reported a decrease and one (1) reported no change in TVOCs when compared to the August 2018 TVOCs. Summary: EFR Between October 2018 and March 2019, six (6) gauging/EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in site wells. Approximately 1,824- gallons of total fluids were removed from wells for the monitoring period and a total of approximately 111,426-gallons removed since the inception of EFR. Overall, product thicknesses increased slightly since the previous monitoring period with an overall monitoring period average of approximately 0.03 feet, with highest thickness of 0.17’ in MW-12R. Accessible monitoring wells are gauged on a monthly basis. If measureable free product is present, then EFR is performed on a routine basis, depending on product levels. Free-phase product at this Site historically has shown significant oscillations in thicknesses. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: - Install a replacement monitoring well (MW-13R) for the destroyed monitoring well MW-13 (Proposed for the April 2018 to September 2018 monitoring period but was unable to be installed due to construction work in the vicinity of the replacement well location). - Maintain schedule of bi-monthly (i.e. twice a month) to monthly product gauging and EFR events at wells with observed product (current or if observed within the previous year). - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. The following proposal requires NYSDEC approval: - Based on the continuing low levels of TVOCs in groundwater (less than 75 ug/L) since at least 2016, LiRo recommends a reduction in the frequency of groundwater sampling to annual while

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maintaining the frequency of routine reporting at semi-annual. AD 07/02/2019: Sent the following e-mail to Mr. Aliberi of DDC: Dear Mr. Aliberti: The Department has reviewed the Interim Remedial Measure (IRM) Monitoring and Semi-Annual Monitoring Report , dated June 25, 2019 pertaining to the above-referenced site, submitted by LiRo, Engineers, Inc. (LiRo). The report states that site-wide groundwater sampling indicate minimal impact to groundwater. Based on the continuing low levels of TVOC concentrations in groundwater (less than 75 ug/L) since at last 2016, LiRo recommends a reduction in the frequency of groundwater sampling to annual while maintaining the frequency of routine reporting at semi-annual. The Department approves these recommendations. Feel free to contact me if you have any questions or comments. Sincerely, Ainura Doronova - Environmental Engineer AD 01/20/2020: Received the following email from LiRo: Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on January 20, 2020. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report includes a proposal which requires your review and approval. The report will remain on the website for a period of one year. A hard copy has been mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Program/Construction Managers - Engineers - Architects 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 02/18/2020: Reviewed the SAMR for April 2019 to September 2019 time period . It states that the Site monitoring program (SMP) completed for the period of April 2019 to September 2019, included water level gauging from accessible site wells and monthly EFR at three to four locations (EW-02 (once) EW-05, MW-02R, and MW-12R)). The SMP for the upcoming period of October 2019 to March 2020, includes semi-annual water level gauging from accessible Site wells; groundwater sampling with laboratory analysis at eight locations: MW-02R, MW-05, MW-06, MW-08, MW-12R, MW-14, MW-17, and MW-18. EFR: Between April 2019 and September 2019, eight gauging/EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 2,824- gallons of total fluids were removed from Site wells for the monitoring period and a total of approximately 114,250-gallons removed since the inception of EFR. Overall, product thicknesses remained fairly low (less than 0.25 feet) during this monitoring period. Accessible monitoring wells are gauged on a monthly basis. If measureable free product is present, then EFR is performed on a routine basis, depending on product levels. GW sampling results: None of the seven groundwater samples collected in July 2019, reported any VOCs at concentrations above AWQSGVs. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: The following actions will be conducted as part of the routine monitoring program: - Install a replacement monitoring well (MW-13R) for the destroyed monitoring well MW-13 (Previously proposed however installation was delayed due to construction work in the vicinity of replacement well locations). This replacement well was subsequently installed in October 2019 and will be discussed in the next monitoring report. - Based on current product levels, the schedule for monitoring and EFR events will be

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reduced from bi-monthly (i.e. twice a month) to once a month. If product levels show an increase, the frequency will be increased to twice a month. - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. The following proposal requires NYSDEC approval: - Based on the continuing low levels of TVOC concentrations in groundwater (less than 75 ug/L) since at least 2016, LiRo recommends a reduction in the frequency of groundwater sampling to annual while maintaining the frequency of routine reporting at semi-annual. This proposal was already approved by DEC in July 2019. AD 07/31/2020: Received the following email from LiRo: Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on July 31, 2020. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. Please note, that in light of the current circumstances, until further notice, no hard copies will be mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Integrated Construction, Design, and Technology Solutions 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 09/02/2020: Reviewed the semi-annual report for October 2019 to March 2020. It states that the site monitoring program (SMP) completed for the period of October 1, 2019, to March 31, 2020, included quarterly groundwater sampling , monthly water level gauging from accessible Site wells and monthly EFR at three to four locations: EW-02 (single event) EW-05, MW-02R, and MW-12R. For the current monitoring period (i.e. October 2019 to March 2020), approximately 1,294-gallons of total fluids were removed from Site wells by EFR. The MW-02R free-product average thickness (less than 0.01 feet) for this monitoring period is a decrease from the most previous monitoring period April 2019 to September 2019 average (0.02 feet). The EW-02 free product average thickness (0.10 feet) for this monitoring period is an increase from the previous monitoring period April 2019 to September 2019 average (0.03 feet). The MW-12R free-product average thickness (0.29 feet) for this monitoring period showed an increase from the most recent previous monitoring period average (0.21 feet). GW sampling: For the reporting period, LiRo completed routine quarterly groundwater gauging on November 18, 2019, and March 30, 2020. Quarterly groundwater sampling was conducted on November 18, 2019, and March 3, 2020. All groundwater samples were submitted for analysis of NYSDEC CP-51 list VOCs via United States Environmental Protection Agency (USEPA) Method 8260. Prior to sampling, wells were purged of at least three well volumes. Hydrogeology: During the November 18, 2019, groundwater gauging event, groundwater was observed between 6.15 and 7.72 feet bgs. Groundwater elevations ranged between -1.66 and -2.71 feet above mean sea level (AMSL). The interpreted general flow direction is towards the west with a hydraulic gradient of approximately 0.069 feet per foot (ft/ft) as measured from MW-14 to MW-12R. The groundwater flow direction is generally consistent with the historical groundwater flow direction.

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

However, groundwater flow may vary due to the tidal influence on groundwater elevations as described below. During the March 30, 2020, groundwater gauging event, groundwater was observed between 5.68 and 7.63 feet bgs. Groundwater elevations ranged between -1.43 and -2.97 feet above mean sea level (AMSL). Groundwater Sampling November 2019: One or more CP-51 VOCs were reported above NYSDEC AWQSGVs in two (i.e. MW-06 and MW-12R) of nine groundwater samples collected. Total VOC concentrations range between below the laboratory reporting limit (i.e. non-detect [ND]) in four samples (i.e. MW-08, MW-13R, MW-14 and MW-18) to 73 ug/L (MW-12R). Groundwater Sampling March 2020: Of the eight groundwater samples collected, none reported VOCs at concentrations above AWQSGVs. Total VOC concentrations range between ND in four samples (i.e. MW-08, MW-13R, MW-17 and MW-18) to 3 ?g/L (MW-02R). A sample was not collected from well MW-12R due to the presence of free-phase product. Groundwater Total VOC Trends A review of TVOCs trends show a continuation of generally very low (i.e. less than 75 ?g/L) concentrations of dissolved phase TVOCs in site groundwater. EFR: Between October 2019 and March 2020, five gauging/EFR events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Approximately 1,294-gallons of total fluids were removed from Site wells for the monitoring period and a total of approximately 115,544-gallons removed since the inception of EFR. Product thicknesses remained fairly low (less than 0.25 feet) during this monitoring period but showed a slight overall increase in average thickness from the previous monitoring period. Accessible monitoring wells are gauged on a monthly basis. If measureable free product is present, then EFR is performed on a routine basis, depending on product levels. Free-phase product at this Site historically has shown significant oscillations in thicknesses. Groundwater Two of the nine groundwater samples (MW-06 and MW-12R) collected in November 2019, reported CP- 51 list VOCs at concentrations above AWQSGVs. The highest total VOC concentration reported was 73 ug/L (MW-12R). None of the eight groundwater samples collected in March 2020, reported any VOCs at concentrations above AWQSGVs. The highest total VOC concentration reported was 3 ug/L (MW-02R). Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect semi-annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. There are no new proposals in this report. AD 01/21/2021: Received the following email from LiRo; Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on January 21, 2021. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. Please note, that in light of the current circumstances, until further notice, no hard copies will be mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Integrated Construction, Design, and Technology Solutions 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Uploaded the file.

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

Will review. AD 02/22/2021: Reviewed the report. It states that the Site monitoring program (SMP) completed for the period of April 1, 2020 to September 30, 2020, includes annual groundwater sampling, supplemental monthly water level gauging from accessible site wells and monthly EFR at one to two locations: EW-05 (single event) and MW-12R. The SMP for the upcoming period of October 1, 2020 to March 31, 2021, includes annual water level gauging from accessible Site wells; annual groundwater sampling with laboratory analysis at nine locations: MW-02R, MW-05, MW-06, MW-08, MW-12R, MW-13R, MW-14, MW-17, and MW-18, supplemental monthly groundwater gauging to monitor for free-product, quarterly EFR at wells containing measurable free-product and monthly product removal via peristaltic pump at EW-05, MW-02R, and MW-12R and from any locations with measurable product. For the current monitoring period 4 EFR events were conducted via vacuum truck and two product removal events via peristaltic pumping were conducted. Approximately 817-gallons of total fluids were removed from wells by EFR and peristaltic pumping. During this monitoring period, the NYCDDC notified LiRo that due to the COVID-19 pandemic, the current fiscal year budget for the period of July 2020 through June 2021 would be reduced. As a result, LiRo reduced the frequency of EFR (via vacuum truck) and supplemented product removal with LiRo personnel with a peristaltic pump. The frequency of EFR for the remainder of the fiscal year will be quarterly with LiRo personnel conducting product removal monthly. Supplemental groundwater gauging events were completed to monitor for free-product. A total of five supplemental gauging events were completed during this monitoring period. Free product: For this monitoring period (April 2020 through September 2020), free-product thicknesses have been variable and have ranged from 0.01 feet) represents a slight increase from the previous monitoring period of 0.00 feet. The MW-12R free-product average thickness (0.34 feet) for this monitoring period showed an increase from the previous monitoring period average (0.29 feet). GW sampling: Annual groundwater sampling was conducted at the site on July 20-21, 2020. All groundwater samples were submitted for analysis of NYSDEC CP-51 list VOCs via United States Environmental Protection Agency (USEPA) Method 8260. During the July 20, 2020, groundwater gauging event, groundwater was observed between 5.97 and 7.48 feet bgs. Groundwater elevations ranged between -1.40 and -3.02 feet above mean sea level (AMSL). The interpreted general flow direction is towards the north/northwest with a hydraulic gradient of approximately 0.011 feet per foot (ft/ft) as measured from EW-15 to EW-02. No CP-51 VOCs were reported above NYSDEC AWQSGVs in any of the eight groundwater samples collected. Total VOCs range between ND in three samples (i.e. MW-08, MW-13R and MW-18) to 4 ug/L (MW-02R). Groundwater Total VOC Trends A review of TVOCs trends show a continuation of generally very low (i.e. less than 75 ug/L) concentrations of dissolved phase TVOCs in site groundwater. During this monitoring period, the highest total VOCs was 4 ug/L. Based on October 2018 through July 2020 groundwater sample results, reported CP-51 list VOCs and SVOCs in Site soils do not contribute to groundwater dissolved phase contamination. LiRo recommends that the following actions will be conducted as part of the routine monitoring program: - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. - Continue to remove

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

free-product through a combination of EFR and Peristaltic Pump. - Continue supplemental monthly gauging of Site wells to monitor for the presence of free-product. Proposals There are no new proposals in this report. AD 06/25/2021: Received the following email from LiRo: Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on June 25, 2021. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. Please note that unless requested, no hard copies will be mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Integrated Construction, Design, and Technology Solutions 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 07/15/2021: Reviewed the report. The site monitoring program (SMP) completed for the period of October 1, 2020 to March 31, 2021, included monthly water level gauging from accessible Site wells and Quarterly EFR and monthly manual (i.e. using a peristaltic pump) product removals at MW-02R, MW-12R, and EW-05. Annual groundwater sampling was completed in the previous monitoring/reporting period in July 2020. For the reporting period, LiRo completed nine rounds of groundwater gauging. Annual groundwater sampling was conducted on July 20-21, 2020, during the previous semi-annual monitoring period. No new groundwater samples were collected during this monitoring period. For the December 29, 2020, groundwater gauging event, groundwater was observed between 5.95 and 7.50 feet bgs. Groundwater elevations ranged between -1.48 and -2.64 feet above mean sea level (AMSL). The interpreted general flow direction is towards the north/northwest. Groundwater Total VOC Trends: A review of TVOC concentration trends show a continuation of generally very low (i.e. less than 75 ug/L) concentrations of dissolved phase TVOCs in Site groundwater. During the previous monitoring period, the highest total VOC concentration was 4 ug/L. EFR/Free-Product Removal: Between October 2020 and March 2021, four product removal events were conducted in an effort to induce mobilization and removal of residual free-phase product in Site wells. Product removal efforts consisted of a combination of EFR (via vacuum truck) and product removal via peristaltic pumping. Approximately 160-gallons of total fluids were removed from Site wells for the monitoring period and a total of approximately 116,521-gallons removed since the inception of EFR. Only one well (MW-12R) consistently contained measurable free-product. The average product thickness in MW-12R for the monitoring period was 0.45 feet. Accessible monitoring wells are gauged on a monthly basis. Free-phase product at this Site historically has shown significant oscillations in thicknesses. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: The following actions will be conducted as part of the routine monitoring program: - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. - Continue to remove free-product through a combination of EFR and Peristaltic Pump. - Continue supplemental

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

monthly gauging of Site wells to monitor for the presence of free-product. There are no new proposals in this report. AD 12/27/20221: Received the following email from LiRo: Ms. Doronova, The Semi-Annual Monitoring Report for Spill No. 1109339, DSNY Brooklyn East 13, 2012 Neptune Avenue, Brooklyn, New York, has been uploaded for your review to LiRo s website on December 27, 2021. A link to the website is included: https://private.filesanywhere.com/LiRoEngineers/fs/v.aspx?v= 8a6c6b8b9593b0b0a0a5 The report will remain on the website for a period of one year. Please note that unless requested, no hard copies will be mailed to your office. Please feel free to contact Steve Frank at franks@liro.com or myself if you need additional information. Sincerely, Martha DeLozier, PG Professional Geologist/Project Coordinator The LiRo Group Integrated Construction, Design, and Technology Solutions 690 Delaware Avenue - Buffalo, New York - 14209 716.882.5476 [T] - 716.882.9640 [F] - www.liro.com Will review. AD 01/27/2022: Reviewed the report. It states that the site monitoring program (SMP) completed for the period of April 1, 2021, to September 30, 2021, included monthly water level gauging from accessible Site wells and Quarterly EFR and monthly manual (i.e. using a peristaltic pump) product removals at MW-02R, MW-12R, and EW-05. Annual groundwater sampling was completed in the previous monitoring/reporting period in July 2021. The SMP for the upcoming period of October 1, 2021 to March 31, 2022, includes annual water level gauging from accessible site wells; annual groundwater sampling with laboratory analysis at nine locations: MW-02R, MW-05, MW-06, MW-08, MW-12R, MW-13R, MW-14, MW-17, and MW-18, supplemental monthly groundwater gauging to monitor for free-product, quarterly EFR at wells containing measurable free-product and monthly product removal via peristaltic pump at EW-05, MW-02R, and MW-12R and from any locations with measurable product. LiRo performed supplemental groundwater gauging, product removal and/or EFR on wells with free product on April 14, 2021; April 27, 2021; May 6, 2021; May 25, 2021; June 4, 2021; July 9, 2021; July 16, 2021; July 29, 2021; August 3, 2021; August 10, 2021; and September 1, 2021. Annual groundwater sampling was conducted on July 29 and 30, 2021, during the monitoring period. Groundwater Sampling July 2021 There were no CP-51 VOCs reported above NYSDEC AWQSGVs in any of the seven groundwater samples collected. July 2021 Total VOCs range between below the laboratory reporting limit (i.e. non-detect [ND]) in two samples (i.e. MW-08 and MW-13R) to 4 ug/L (MW-02R). A review of TVOCs trends show a continuation of generally very low (i.e. <10 ug/L) concentrations of dissolved phase TVOCs in Site groundwater. During the previous monitoring period, the highest total VOCs was 4 ug/L. Based on the analysis and conclusions presented above, LiRo recommends the following Actions and Proposals: Actions The following actions will be conducted as part of the routine monitoring program: - Prepare and submit Semi-Annual Monitoring Reports with recommendations for changes (as necessary) to the Site Monitoring Program. - Collect annual groundwater samples from accessible Site wells listed in the SMP and submit samples for analysis of the NYSDEC CP-51 list of VOCs. - Continue to remove free-product through a combination of EFR and Peristaltic Pump. - Continue supplemental monthly gauging of Site wells to monitor for the presence of free-product. Proposals There are no new proposals in this report. AD"

Remarks: ""

BROOKLYN EAST 13 DOS -DDC (Continued) **S111318243**

All Materials:

Site ID:	457108
Operable Unit ID:	1207236
Operable Unit:	01
Material ID:	2204472
Material Code:	9999
Material Name:	other - UNKNOWN
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

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222 **NYNEX** **NY LTANKS** **S104073402**
ENE **1919 NEPTUNE AVE** **NY Spills** **N/A**
1/4-1/2 **BROOKLYN, NY 11224** **NY MANIFEST**
0.429 mi.
2266 ft.

Relative:
Lower

Actual:
0 ft.

LTANKS:

Name:	NYNEX
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9514154 / 1996-02-06
Facility ID:	9514154
Site ID:	271621
Spill Date:	1996-02-06
Spill Cause:	Tank Overfill
Spill Source:	Commercial Vehicle
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	1996-02-06
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1996-02-06
Spill Record Last Update:	1996-02-26
Spiller Name:	Not reported
Spiller Company:	NYNEX
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	VIC CHARCHAN
Spiller Phone:	(718) 946-9933
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	157520
DEC Memo:	""

NYNEX (Continued) **S104073402**

Remarks: "caller reports driver walked away from vehicle causing overfill spill has been contained and cleaned up"

All Materials:

Site ID:	271621
Operable Unit ID:	1028685
Operable Unit:	01
Material ID:	354292
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	30.00
Oxygenate:	Not reported

SPILLS:

Name:	VERIZON FACILITY
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0105607 / 2002-09-10
Facility ID:	0105607
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254566
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-08-24
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	2001-08-24
CID:	390
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-08-24
Spill Record Last Update:	2002-09-10
Spiller Name:	JOHN QUATRALE
Spiller Company:	VERIZON FACILITY /
Spiller Address:	1919 NEPTUNE AVE
Spiller Company:	001
Contact Name:	JOHN QUATRALE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE see also 0104497. hydraulic lifts removed. soil conmtamination encountered (60 tons removed) but soil removal was halted due to frequent collapsing of the sidewalls of the excavation. This could have undermined a load bearing wall. a groundwater sample was

NYNEX (Continued) **S104073402**

collected that did not show contamination. see file."
Remarks: "hydraulic lift failure - clean up in progress"

All Materials:
Site ID: 254566
Operable Unit ID: 842506
Operable Unit: 01
Material ID: 534064
Material Code: 0010
Material Name: hydraulic oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: NYNEX
Address: 1919 NEPTUNE AVENUE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9516041 / 1996-03-14
Facility ID: 9516041
Facility Type: ER
DER Facility ID: 157520
Site ID: 254567
DEC Region: 2
Spill Cause: Equipment Failure
Spill Class: C3
SWIS: 2401
Spill Date: 1996-03-14
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 1996-03-14
CID: 351
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1996-03-14
Spill Record Last Update: 1996-03-29
Spiller Name: RENEE HOFFTEAD
Spiller Company: NYNEX
Spiller Address: 1919 NEPTUNE AVE
Spiller Company: 001
Contact Name: RENEE HOFFTEAD
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was KRIMGOLD "
Remarks: "hydrolic line failed on a vehicle spilling material"

All Materials:
Site ID: 254567
Operable Unit ID: 1027014

NYNEX (Continued) **S104073402**

Operable Unit:	01
Material ID:	352585
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	5.00
Oxygenate:	Not reported

Name:	NYNEX
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9701220 / 1997-04-28
Facility ID:	9701220
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254568
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1997-04-25
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	1997-04-28
CID:	351
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-04-28
Spill Record Last Update:	1997-04-30
Spiller Name:	Not reported
Spiller Company:	NYNEX
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	LORRETTA D'ANGELO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE "
Remarks:	"HYDROLIC LINE ON TRUCK BROKE - SPILLED ON CONCRETE - CALLER IS THE CLEAN UP COMPANY FOR NYNEX"

All Materials:

Site ID:	254568
Operable Unit ID:	1047277
Operable Unit:	01
Material ID:	337778
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported

NYNEX (Continued) **S104073402**

Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	1919 NEPTUNE AVE
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9705694 / 1997-08-11
Facility ID:	9705694
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254569
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1997-08-06
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	1997-08-11
CID:	351
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-08-11
Spill Record Last Update:	1997-08-12
Spiller Name:	MARK CODMAR
Spiller Company:	NYNEX
Spiller Address:	1919 NEPTUNE AVE
Spiller Company:	001
Contact Name:	MARK CODMAR
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MARTINKAT CALLED LORETTA- CLEANED LAST WEEK."
Remarks:	"A LINE ON A TRUCK BROKE"

All Materials:

Site ID:	254569
Operable Unit ID:	1049052
Operable Unit:	01
Material ID:	331323
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NYNEX (Continued) **S104073402**

Name:	VERIZON GARAGE
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0103182 / 2001-06-22
Facility ID:	0103182
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254564
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	2001-06-22
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	2001-06-22
CID:	281
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-06-22
Spill Record Last Update:	2001-06-22
Spiller Name:	JOHN QUATRALE
Spiller Company:	VERIZON
Spiller Address:	221 EAST 37TH ST
Spiller Company:	001
Contact Name:	JOHN QUATRALE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE 06/22/2001 SPILL OCCURED IN A THE GARAGE, NO DRAINS IMPACTED. MILRO DID CLEANUP"
Remarks:	"HYDRAULIC LINE FAILURE ON VEHICLE AT ABOVE LOCATION. ALL MATERIAL SPILLED TO PAVEMENT AND REPORTED RECOVERED. REPAIRS TO VEHICLE TO BE MADE."

All Materials:

Site ID:	254564
Operable Unit ID:	841887
Operable Unit:	01
Material ID:	535274
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	20.00
Oxygenate:	Not reported

Name:	VERIZON GARAGE
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY

NYNEX (Continued) **S104073402**

Spill Number/Closed Date:	0104497 / 2002-06-25
Facility ID:	0104497
Facility Type:	ER
DER Facility ID:	157520
Site ID:	254565
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	2401
Spill Date:	2001-07-26
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	2001-07-26
CID:	282
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-07-26
Spill Record Last Update:	2002-06-25
Spiller Name:	SAME
Spiller Company:	VERIZON
Spiller Address:	1919 NEPTUNE
Spiller Company:	001
Contact Name:	JOHN QUATRALE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE REFER TO 0105607"
Remarks:	"anhydraulic lift system failed.during removal of lift contamianted soil discovered.removal in progress."

All Materials:

Site ID:	254565
Operable Unit ID:	841234
Operable Unit:	01
Material ID:	532988
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	BELL ATLANTIC
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9210546 / 2000-04-28
Facility ID:	9210546
Facility Type:	ER
DER Facility ID:	157520
Site ID:	188612

NYNEX (Continued) **S104073402**

DEC Region:	2
Spill Cause:	Unknown
Spill Class:	D4
SWIS:	2401
Spill Date:	1992-12-14
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	1992-12-14
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-12-14
Spill Record Last Update:	2000-05-01
Spiller Name:	Not reported
Spiller Company:	BELL ATLANTIC
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE 02/18/94: 2/18/94 PASSED ONTO M.TIBBE. SEE FILE "
Remarks:	""

All Materials:

Site ID:	188612
Operable Unit ID:	974801
Operable Unit:	01
Material ID:	404005
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	NYNEX
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9700308 / 1997-04-07
Facility ID:	9700308
Facility Type:	ER
DER Facility ID:	157520
Site ID:	188613
DEC Region:	2
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	2401
Spill Date:	1997-04-07
Investigator:	SMMARTIN

NYNEX (Continued) **S104073402**

Referred To:	Not reported
Reported to Dept:	1997-04-07
CID:	266
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-04-07
Spill Record Last Update:	1997-04-08
Spiller Name:	ANTHONY MENDITTO
Spiller Company:	NYNEX
Spiller Address:	292 NEPTUNE AVENUE
Spiller Company:	001
Contact Name:	ANTHONY MENDITTO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MARTINKAT "
Remarks:	"BROKEN HYDRAULIC LINE ON NYNEX TRUCK. ONTO CONCRETE GARAGE FLOOR. PERSONNEL ENROUTE TO SCENE FOR CLEAN UP."

All Materials:

Site ID:	188613
Operable Unit ID:	1043107
Operable Unit:	01
Material ID:	336926
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	20.00
Oxygenate:	Not reported

Name:	VERIZON WORK CENTER
Address:	1919 NEPTUNE AVENUE
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	0510740 / 2006-03-14
Facility ID:	0510740
Facility Type:	ER
DER Facility ID:	157520
Site ID:	356773
DEC Region:	2
Spill Cause:	Other
Spill Class:	C4
SWIS:	2401
Spill Date:	2005-12-14
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	2005-12-14
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other

NYNEX (Continued) **S104073402**

Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-12-14
Spill Record Last Update:	2006-03-14
Spiller Name:	JOHN QUATRALE
Spiller Company:	VERIZON WORK CENTER
Spiller Address:	1919 NEPTUNE AVE
Spiller Company:	001
Contact Name:	JOHN QUATRALE
DEC Memo:	"December 23, 2005 A Contaminated Soil Letter was sent to: (Verizon Environmental Affairs Verizon New York 221 East 37th St,- 4th Flr New York, NY 10016) 12/29/05 - Raphael Ketani. I left a message for John Quatrale of Verizon ((516) 292-8166; cell (917) 846-4423) to call me regarding the spill site. 1/5/06 - Raphael Ketani. I spoke to Mr. Quatrale. He said that this was a tank removal project. He said the tanks have been removed and a revised PBS application was submitted to Nick Lombardo of PBS. He said that 300 cu. yds. of soil (375 tons)has been dug out and is presently stockpiled awaiting containerization and carting. The work was completed on 12/14. He added that groundwater is impacted and that they will put in wells. Mr. Quatrale said that Joe Sun of DEC Region 2 is the case manager for a number of Verizon sites. A report will be sent to Spills and to Mr. Sun once the analytical is received and all other work regarding the site is completed. 1/26/06 - Raphael Ketani. I spoke to Mr. Quatrale. He said that he was putting many Verizon site reports together. He said that this site's report was partially done. He said he was waiting for the soil and water analyticals. 2/16/06 - Raphael Ketani. I presented the Spill Report to Randall Austin, Chief Spills Engineer of Region 2, and explained that this case was dealing with groundwater contamination and that Mr. Sun of Region 2 Remediation was already dealing with this case. Mr. Austin transfered the case to Koon Tang of Remediation. 3/16/06 - reviewed the closure report from Verizon. Verizon hired ENvirotrac to remove a 4000-gallon diesel UST and found some contaminated soil. 375 tons of petroleum impacted soil was excavated and disposed of properly. End-point soil samples have no VOCs detected, only SVOCs were detected above the TAGM 4046, but consistent with urban backfill. GW sample taken at the bottom of the tank excavation shows all ND, except for a hit of MTBE at about 50 ppb. No sign of significant environmental impact. Spill closed. - KST "
Remarks:	"SUB SURFACE CONTAMINATION:"

All Materials:

Site ID:	356773
Operable Unit ID:	1114069
Operable Unit:	01
Material ID:	2104150
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G

NYNEX (Continued) **S104073402**

Recovered: .00
Oxygenate: Not reported

NY MANIFEST:
Name: NYNEX
Address: 1919 NEPTUNE AVE
City,State,Zip: BROOKLYN, NY 11224-2519
Country: USA
EPA ID: NYD987030459
Facility Status: Not reported
Location Address 1: NEPTUNE & STILLWELL AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BROOKLYN
Location State: NY
Location Zip: 11224
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD987030459
Mailing Name: NYNEX
Mailing Contact: J MCCUE
Mailing Address 1: 1095 AVE OF AMER-RM 1509
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10036
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2123956040

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223 **APT HOUSES** **NY LTANKS** **S103478188**
NW **2675 WEST 36TH ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.432 mi.
2281 ft.

Relative:
Higher

Actual:
5 ft.

LTANKS:
Name: CLOSED-LACKOF RECENT INFO
Address: 2675 WEST 36TH ST
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 8904981 / 2003-03-06
Facility ID: 8904981
Site ID: 185875
Spill Date: 1989-08-18
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: ADMIN. CLOSED
Referred To: Not reported
Reported to Dept: 1989-08-18
CID: Not reported
Water Affected: Not reported

APT HOUSES (Continued) **S103478188**

Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1989-08-28
Spill Record Last Update:	2006-06-15
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	259595
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ADMIN.CLOSED 03/06/2003- Closed Due To The Nature / Extent Of The Spill Report"
Remarks:	"15K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENTS."

All TTF:

Facility ID:	8904981
Spill Number:	8904981
Spill Tank Test:	1535880
Site ID:	185875
Tank Number:	Not reported
Tank Size:	0
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	185875
Operable Unit ID:	932742
Operable Unit:	01
Material ID:	445418
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

APT HOUSES (Continued) **S103478188**

Name:	APT HOUSES
Address:	2675 WEST 36TH ST
City,State,Zip:	BROOKLYN, NY
Spill Number/Closed Date:	9805170 / 2003-12-01
Facility ID:	9805170
Site ID:	322247
Spill Date:	1998-07-24
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	1998-07-25
CID:	257
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-07-25
Spill Record Last Update:	2003-12-01
Spiller Name:	SAM REIBER
Spiller Company:	APT HOUSES
Spiller Address:	2675 WEST 36TH ST
Spiller County:	001
Spiller Contact:	SAM REIBER
Spiller Phone:	(718) 332-0777
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	259595
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was AUSTIN 12/1/03 - AUSTIN - ACCORDING TO 11/26/03 E-MAIL FROM KEVIN HALE, THE TANK WAS REAIRED AND INSPECTED - HE RECOMMENDS CLOSURE OF THIS REPORT - CLOSED IN DATABASE - END"
Remarks:	"will uncover and retest"

All Materials:

Site ID:	322247
Operable Unit ID:	1063037
Operable Unit:	01
Material ID:	319922
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

224
East
1/4-1/2
0.462 mi.
2441 ft.

DIME SAVINGS BANK
2909 WEST 17TH ST
CONEY ISLAND, NY

NY LTANKS **S103478149**
N/A

Relative:
Higher

Actual:
5 ft.

LTANKS:

Name:	DIME SAVINGS BANK
Address:	2909 WEST 17TH ST
City,State,Zip:	CONEY ISLAND, NY
Spill Number/Closed Date:	9804188 / 2005-07-19
Facility ID:	9804188
Site ID:	65760
Spill Date:	1998-07-02
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	2401
Investigator:	NEPUTNAM
Referred To:	Not reported
Reported to Dept:	1998-07-02
CID:	281
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-07-02
Spill Record Last Update:	2005-07-19
Spiller Name:	HARISH RAJSAKHA
Spiller Company:	DIME SAVINGS BANK
Spiller Address:	2909 WEST 17TH ST
Spiller County:	001
Spiller Contact:	HARISH RAJSAKHA
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	63064
DEC Memo:	"7/8/05 - Nathan - File review RI report (revised 6/15/99) Tank failure traced to vent pipe hole. The soil from the vent pipe area was inspected,visually and with PID, and showed no contamination. Vent pipe was replaced. Spill Closed."
Remarks:	"GROSS TANK TEST FAILURE AT ABOVE LOCATION. CONTRACTOR ADVISED OF PROBLEM UNKNOWN WHAT ACTION IS BEING TAKEN TO CORRECT PROBLEM."

All TTF:

Facility ID:	9804188
Spill Number:	9804188
Spill Tank Test:	1546053
Site ID:	65760
Tank Number:	1
Tank Size:	5000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported

DIME SAVINGS BANK (Continued) **S103478149**

Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 65760
Operable Unit ID: 1065049
Operable Unit: 01
Material ID: 318903
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

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225 East 1/4-1/2 0.480 mi. 2532 ft.

LOT 28,TAXBLOCK 7062
1607 SURF AVENUE
BROOKLYN, NY 11224

NY BROWNFIELDS **S109942403**
NY E DESIGNATION **N/A**
NY SPDES

Relative: Higher

Actual: 7 ft.

BROWNFIELDS:
Name: 1607 SURF AVENUE
Address: 1607 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Program: BCP
Site Code: 606579
Acres: 1.360
HW Code: C224313
SWIS: 2401
Town: New York City
Record Added Date: 06/16/2020
Record Updated Date: 08/03/2021
Update By: HMDUDEK
Site Description: "Site Location: The 1.36-acre site is located at 1607 Surf Avenue, in the Coney Island section of Brooklyn. The site occupies Tax Block 7062 Lot 28. The site is bounded to the south by Surf Avenue, followed by MCU Park; to the east by West 16th Street, followed by a vacant lot and several parking lots; to the west by West 17th Street, followed by an office building and parking lot; and to the north by a parking lot. Site Features: The site is a vacant asphalt paved lot. Current Zoning and Land Use: The site is located within the Special Coney Island District (CI). The site is zoned for medium density residential use (R7X) with a commercial overlay (C2-4). The site is currently vacant. Past Use of the Site: By the late 1800s, residential dwellings, a shed, and a store existed on-site. By 1906, the site had been redeveloped with an auditorium, stores and sheds. By 1930, the site was occupied by a theater, storefronts, and an automobile repair facility on the eastern part of the property. On-site businesses include a photo studio (1934-1970), a printing

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

studio (1934-1970), an exterminator (1934-1945), and a machinist/machine works (1928-1970). Since 2001, the site has been a parking lot. Site Geology and Hydrogeology: The site is underlain with historic fill ranging from 2 and 10 feet below ground surface (bgs). Fill material is underlain by a native tan or gray, fine-grained sand layer with varying amounts of gravel, silt, and clay. The deepest soil borings were 15 feet bgs and the sand layer extends beyond that depth. Bedrock was not encountered during site investigation and minimum expected depth to bedrock is 600 feet bgs. Groundwater occurs between 6 and 8 feet bgs and flows to the southeast. "

Env Problem:

"Nature and Extent of Contamination: Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), pesticides and 1,4-Dioxane. Soil vapor was analyzed for VOCs. Based upon investigations conducted to date, the primary contaminants of concern for the site include tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride, polycyclic aromatic hydrocarbons (PAHs), 1,1-trichlorethane (TCA), and 1,1-dichloroethene , and metals. Soil: Soil data were compared to Restricted Residential Soil Cleanup Objectives (RRSCOs), Unrestricted Use Soil Cleanup Objectives (UUSCOs), and Protection of Groundwater Soil Cleanup Objectives (PGSCO). The contaminants of concern in soil are PCE, PAHs, and metals. PCE was detected at 75 parts per million (ppm) above the RRSCO of 19 ppm. PAHs were detected throughout the site. The PAHs detected include benzo(a)anthracene detected between 1.2-36 ppm above the RRSCO of 1 ppm; benzo(b)fluoranthene between 1.2-43 ppm above the RRSCO of 1 ppm; and indeno(1,2,3-cd)pyrene was detected between 0.57-21 ppm above the RRSCO of 0.5 ppm. Barium was detected between 356-730 ppm above the RRSCO of 400 ppm; cadmium was detected at 10.4 ppm above the RRSCO of 4.3 ppm; lead was detected between 64.2-3,110 ppm above the RRSCO of 400 ppm; and mercury was detected between 0.262-0.54 ppm above the RRSCO of 0.81 ppm. 1,4-dioxane was not detected above the reporting limit. Total PFOA and PFOS concentrations detected ranged between 0.000046-0.00334 parts per trillion (ppt). PFOA, PFOS, and 1,4-dioxane are not considered contaminants of concern at this site. Data does not indicate any off-site impacts in soil related to this site. Groundwater: Groundwater data was compared to the NYS DEC TOGS Ambient Water Quality Standards (NY-AWQS). PCE was detected at 10 parts per billion (ppb) which is above the NY-AWQS of 5 ppb. PAHS were detected throughout the site and include benzo(a)anthracene detected between 0.02-0.07 ppb above the NY-AWQS of 0.002 ppb; benzo(b)fluoranthene detected between 0.02-0.07 above the NY-AWQS of 0.002 ppb; and chrysene detected between 0.04-0.06 ppb above the NY-AWQS of 0.002 ppb. 1,4-dioxane was not detected above the reporting limit. Total PFOA and PFOS were detected between 44.4-99.6 ppt. PFAO, PFOS, and 1,4-dioxane are not considered contaminants of concern at this site. Data indicates potential for off-site impacts to groundwater related to this site. Soil Vapor/Indoor Air: PCE was detected throughout the site ranging from 2.76-23,200 micrograms per cubic meter g/m3. TCE was detected between 3.65-1,900 g/m3. Cis-1,2-DCE was detected between 4.08-2,390 g/m3. 1,1-dichloroethene was detected at 1.36 g/m3. Vinyl chloride was detected at 22.2 g/m3. 1,1,1-TCA was detected between 1.36-8.51 g/m3. Petroleum-related compounds, namely benzene, toluene, ethylbenzene, and xylenes, were

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

	detected between 3.11-90 g/m3. Data indicates potential for off-site impacts to soil vapor related to this site. "
Health Problem:	"Since the site is a vacant lot covered by asphalt or concrete, people will not come in contact with site-related soil and groundwater contamination unless they dig below the surface. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. However, there is a potential for soil vapor intrusion in off-site and future on-site buildings."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2020-09-21 14:14:00
Record Upd:	2021-01-21 15:18:00
Updated By:	MKMEDWID
Own Op:	6
Sub Type:	P03
Owner Name:	Donald Capoccia
Owner Company:	Coney Island Associates Phase 2 LLC
Owner Address:	c/o BFC Partners
Owner Addr2:	150 Myrtle Avenue, Suite 2
Owner City,St,Zip:	Brooklyn, NY 11201
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	Donald Capoccia
Owner Company:	Coney Island Phase 2 Housing Development Fund Corporation
Owner Address:	c/o Settlement Housing Fund, Inc.
Owner Addr2:	150 Myrtle Avenue, Suite 2
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	n/a
Owner Company:	Brooklyn Public Library - Coney Island Branch
Owner Address:	1901 Mermaid Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	4
Sub Type:	E
Owner Name:	Moshe Fleishmann
Owner Company:	Srf Management LLC
Owner Address:	456A Central Avenue Suite 125
Owner Addr2:	Not reported

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

Owner City,St,Zip:	Cedarhurst, NY 11516
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Eddie Mark
Owner Company:	Brooklyn Community Board 13
Owner Address:	1201 Surf Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
HW Code:	C224313
Waste Type:	polycyclic aromatic hydrocarbons (PAHS), total
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	lead
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	cadmium
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	barium
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	1,1 dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	mercury
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	vinyl chloride
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C224313
Waste Type:	cis-1,2-dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

E DESIGNATION:
Name: LOT 28,TAXBLOCK 7062
Address: 1607 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Tax Lot(s): 28
Tax Block: 7062
Borough Code: BK
E-No: E-229
Effective Date: 7/29/2009
Satisfaction Date: Not reported
Ceqr Number: 08DME007K
Ulurp Number: 090272ZMK090272ZMK
Zoning Map No: 28d

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

SPDES:

Name: 1607 SURF AVENUE
Address: 1607 SURF AVENUE
City,State,Zip: BROOKLYN, NY 11224
Permit Number: NYR11I521
State-Region: 2
Expiration Date: Not reported
Current Major Minor Status: Not reported
Primary Facility SIC Code: Not reported
State Water Body Name: Coney Island Creek
Limit Set Status Flag: Not reported
Total Actual Average Flow(MGD): Not reported
Total App Design Flow(MGD): Not reported
UDF1: Not reported
Lat/Long: 40.575843 / -73.984109
DMR Cognizant Official: Not reported
UDF2: Not reported
UDF3: Not reported
FIPS County Code: Not reported

Non-Gov Permit Affiliation Type Desc: Not reported
Non-Gov Permit Org Formal Name: Not reported
Non-Gov Permit Street Address: Not reported
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: Not reported
Non-Gov Permit State Code: Not reported
Non-Gov Permit Zip Code: Not reported
Non-Gov Facility Affiliation Type Desc: Not reported
Non-Gov Facility Org Formal Name: Not reported
Non-Gov Facility Street Address: Not reported
Non-Gov Facility Supplemental Location: Not reported

LOT 28,TAXBLOCK 7062 (Continued) **S109942403**

Non-Gov Facility City:	Not reported
Non-Gov Facility State Code:	Not reported
Non-Gov Facility Zip Code:	Not reported
State Water Body:	Not reported
Region Permit Processed:	Not reported
Dow Discharge Class Code:	Not reported
SPDES Class Description:	Not reported
Affiliation Type Description:	Not reported
Name:	Not reported
Contacts Title:	Not reported
Contacts Email:	Not reported
NOI Submission Date:	Not reported

---

226 **WHEELER SHIPYARD** **FUDS** **1024899194**
NE **N/A**
1/2-1 **NO CITY, NY**
0.589 mi.
3109 ft.

Relative:
Higher

Actual:
9 ft.

FUDS:

EPA Region:	2
Installation ID:	NY29799F759700
Congressional District Number:	11
Name:	WHEELER SHIPYARD
FUDS Number:	C02NY0037
City:	NO CITY
State:	NY
County:	KINGS
Object ID:	2805
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=56485
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	In 1943 the Department of Navy obtained 0.287 acres fee for the expansion of the then existing Wheeler Shipyard. In September 1945 the Department of Navy conveyed the 0,287 acres site to Wheeler Shipyard Incorporated. Between 1945 and 1993 the former naval installation has been sold numerous times. Since 1949 the site is utilized as a gas filling station. The current owner is Leemilits Petroleum Incorporated, 125 Jericho Turnpike, Jericho NY, 11753.
Project Required:	No
Feature Description:	Not reported
Latitude:	40.5825
Longitude:	-73.98555556

227
NE
1/2-1
0.617 mi.
3257 ft.

TOPS APPLIANCE CITY
1525 - 1535 HART PLACE
BROOKLYN, NY 11224

NY SHWS **S113917075**
NY VCP **N/A**

Relative:
Lower

Actual:
1 ft.

SHWS:

Name:	TOPS APPLIANCE CITY
Address:	1525 - 1535 HART PLACE
City,State,Zip:	BROOKLYN, NY 11224
Program:	HW
Site Code:	58040
Classification:	N
Region:	2
Acres:	Not reported
HW Code:	224041
Record Add:	05/21/2002
Record Upd:	04/22/2005
Updated By:	DMMOLOUG
Site Description:	"The site did not qualify for addition to the Registry of Inactive Hazardous Disposal Sites"
Env Problem:	""
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Not reported
Sub Type:	Not reported
Owner Name:	Not reported
Owner Company:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Country:	Not reported
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

VCP:

Name:	TOPS APPLIANCE CITY
Address:	1525 - 1535 HART PLACE
City,State,Zip:	BROOKLYN, NY 11224
Program Type:	VCP

TOPS APPLIANCE CITY (Continued) **S113917075**

Site Code:	56905
HW Code:	V00250
Site Class:	N
SWIS:	2401
Region:	2
Town:	New York City
Acres:	Not reported
Date Record Added:	11/30/2000
Date Record Updated:	06/23/2006
Updated By:	IXMUNTEA
Site Description:	"The site consists of a warehouse and a parking lot in Coney Island, Brooklyn, NY. The site is adjacent to Coney Island Creek, which borders the site to the north. Hart Place borders the site to the south. The neighborhood is mainly residential even though the zoning is M3 manufacturing. A former MGP site (Coney Island Works) is located to the north of the site on the other side of Coney Island Creek. The current use of the site is commercial. The former Volunteer, Tops Appliance City, has submitted a Phase I Environmental Investigation Report, which showed contaminants common to the fill material in the area. The area is covered with 11-13 feet of mixed urban fill material. The contaminants of concern were metals and Semi Volatile Organic Compounds (SVOCs) above the NYSDEC TAGM 4046 RSCO. The investigation has not been completed. The negotiations for the Voluntary Cleanup Program Agreement were terminated because the Volunteer has not been responsive to the program requirements. "
Env Problem:	"The Phase I Environmental Assessment has revealed contaminants specific to the urban fill material. The entire area is covered by 11-13 feet of fill material. Contaminants of concern were metals (copper, zinc, lead) and semi-volatile organic compounds (SVOCs) which have been found at levels above the NYSDEC TAGM 4046 RSCO. "
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	6
Sub Type:	ZZZ
Owner Name:	ATTN: ERNIE OLSAN
Owner Company:	Tops Appliance City, Inc.
Owner Address:	45 BRUNSWICK AVE.
Owner Addr2:	Not reported
Owner City,St,Zip:	EDISON, NJ 08818
Owner Country:	United States of America
Own Op:	1
Sub Type:	ZZZ
Owner Name:	Not reported
Owner Company:	AM CONEY ISLAND, LLC
Owner Address:	5 EAST 37TH ST. 10TH FL.
Owner Addr2:	Not reported

TOPS APPLIANCE CITY (Continued) **S113917075**

Owner City,St,Zip:	NEW YORK, NY 10016
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

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228 West 1/2-1 0.762 mi. 4025 ft. **NORTON PT SEA LIG SITE** **FUDS** **1024899261 N/A**

NO CITY, NY

Relative: Higher

Actual: 13 ft.

FUDS:

EPA Region:	2
Installation ID:	NY29799F119100
Congressional District Number:	8
Name:	NORTON PT SEA LIG SITE
FUDS Number:	C02NY0663
City:	NO CITY
State:	NY
County:	KINGS
Object ID:	383
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=59149
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	The site was utilized by the Department of Army as an observation and searchlight facility. Based on the FDE, the site currently serves as the Coney Island Lighthouse and is an active Coast Guard Installation. Not reported
Project Required:	No
Feature Description:	The site was utilized by the Department of Army as an observation and searchlight facility. Based on the FDE, the site currently serves as the Coney Island Lighthouse and is an active Coast Guard Installation.
Latitude:	40.57611111
Longitude:	-74.01166667

AU229
ENE
1/2-1
0.862 mi.
4549 ft.

BROOKLYN BOROUGH GAS WORKS, CONEY ISLAND — **EDR MGP** — **1008407880**
NEPTUNE AVENUE, CONEY ISLAND — **N/A**
BROOKLYN, NY 11224

Site 1 of 2 in cluster AU

Relative:
Higher

Actual:
4 ft.

Manufactured Gas Plants:
No additional information available

AU230
ENE
1/2-1
0.890 mi.
4699 ft.

K - FORMER BROOKLYN BOROUGH GAS WORKS — **NY SHWS** — **S105586297**
2731 WEST 12TH STREET — **N/A**
BROOKLYN, NY 11224

Site 2 of 2 in cluster AU

Relative:
Higher

Actual:
5 ft.

SHWS:

Name:	K - FORMER BROOKLYN BOROUGH GAS WORKS
Address:	2731 WEST 12TH STREET
City,State,Zip:	BROOKLYN, NY 11224
Program:	HW
Site Code:	55916
Classification:	Site is properly closed - requires continued management.
Region:	2
Acres:	17.600
HW Code:	224026
Record Add:	11/18/1999
Record Upd:	03/30/2022
Updated By:	JEBROWN
Site Description:	"Location: The former Brooklyn Borough Gas Works site (Site # 224026) is located in the Borough of Brooklyn, Kings County, New York,at 873 Neptune Avenue,Coney Island. The site is bordered by the right of way of the Shore Parkway and the New York Metropolitan Transit Authority (MTA) rail-yard to the north and west, and Coney Island Creek to the south and east. The site is approximately 17.6 acres in size. Site Features: The site is relatively flat and is located in a residential/commercial area of Brooklyn. The site is bordered on the south by Coney Island Creek, to the north by an elevated portion of the Belt Parkway and the MTA rail yard. To the east of the site is the Gill Hodges Little League field (now closed) and to the west are railroad tracks. Current Zoning: The site is zoned for Commercial/Industrial use. Surrounding parcels are a mixture of commercial and industrial uses. Past Use of the Site: Former Manufactured Gas Plant operations ceased at this site in 1951. The gas manufacturer operated a carburated water gas plant which was constructed between 1908 and 1912. The facility included two large-capacity gas holders, a station metering house, two underground and five above ground gas oil tanks, tar conditioners and seal pumps, three tar separators, four generators, a coal storage yard, pump rooms, booster and exhauster rooms, two condensers, eight purifier boxes, two relief holders, an electric tar precipitator, a tar dehydrator system, tar storage tanks, oil pumps, and drip oil tanks. From 1960 to 1966 the site was almost completely decommissioned and demolished. Some components were used for natural gas service until they were demolished in the early 1980's. Operable Units: The site was divided into three operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

pathway resulting from the site contamination. Operable unit 1 (OU1) is containment of the upland area by means of a cut-off wall. OU2 consists of excavation of the top 3 feet of Coney Island Creek Sediment, placement of clean fill on a geotextile and fabric, and installation of a 50 foot-wide ecological buffer zone along the creek's bank. OU3 includes removal and disposal of contaminated soil in selected areas, installation of a NAPL recovery trench, and installation of an impermeable cap. Site Geology and Hydrogeology: Site investigations revealed site geology consisting of unconsolidated Pleistocene deposits from 10 to 172 feet below ground surface (BGS) that consist mainly of fine to coarse grained sands with a clay/silt layer from 59 to 60 feet BGS and clay from 170 to 172 feet BGS. The sand, which at some depths contained a trace of gravel, varied with depth in grain size and color. Above the Pleistocene deposits is a thin (5 to 10 feet) layer of near shore and estuary type deposits. The glacial aquifer encountered at the site is composed almost entirely of the sands of the till and out-wash deposits and extends from just below the surface to 170 feet BGS. Coney Island Creek is approximately 1.6 miles long, emerging from a culvert under Shell Road just east of the site. The creek is a small tidal creek which flows in a southwesterly direction, then turns and flows in a northwesterly direction to Gravesend Bay which empties into lower New York Bay and, ultimately the Atlantic Ocean. "

Env Problem: "Post-Remediation: Remediation at the site is complete. All remedial elements, except for the on-site Groundwater Treatment Plant, which was deleted from the remedy in February 2012, have been completed. The remedy included the excavation of the coal tar source area in the upland portions of the site, resulting in the off-site disposal of 86,200 tons of impacted soil. The remedy also included construction of a low permeability cap over the upland portions of the site to minimize exposure pathways and prevent rainwater infiltration, and the installation of coal tar collection wells in a collection trench. The top three feet of contaminated sediments across the entire length and width of the Coney Island Creek adjacent to the site were dredged and replaced with clean sediment. In 2018, several monitoring wells were sampled for PFAS and 1,4-dioxane as part of the Department's Emerging Contaminants initiative. Perfluorooctanoic acid (PFOA) was reported at a concentration of 155 parts per trillion (ppt), exceeding the 10 ppt screening level for groundwater. Individual PFAS exceeding the 100 ppt screening level included Perfluorobutanoic Acid (PFBA). Total PFAS, including both PFOA and PFOS, were reported at concentrations of 2,940 ppt, which is above the 500ppt screening level for total PFAS in groundwater. Special Resources Impacted/Threatened: Prior to remediation, the contamination in Coney Island Creek was sufficient to cause an adverse, acute or chronic effect to fish, shellfish, crustacea and other wildlife. This threat has been mitigated. Significant Threat: The significant threat that existed prior to remediation no longer exists at the site. The site is being managed under a Site Management Plan. Prior to Remediation: The main categories of contaminants which exceeded their SCGs in all Operable Units were polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and inorganics. The carcinogenic PAH contaminants of concern were chrysene, dibenzo(a,h)anthracene,benzo(b)fluoranthene, benzo(a)anthracene, benzo(a)pyrene, benzo(k)fluoranthene, and Indeno(1,2,3-cd)pyrene. The VOC contaminants of concern included benzene, toluene, ethylbenzene and xylene (BTEX), and acetone. The inorganic contaminants of concern

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

included but were not limited to the following arsenic, lead, manganese, nickel and zinc. Contaminated soil on the site exhibited high levels of benzene. Most of the contaminants were detected primarily at a depth of 4 to 12 feet below ground surface across the entire site. Throughout the entire site, total PAHs were observed in soil at concentrations ranging from less than 1 ppm to over 40,000 ppm and BTEX constituents were detected at concentrations ranging from 0.0014 ppm to 1,600 ppm. Below the groundwater table, total PAHs were observed in soil at concentrations ranging from non detect to 4,500 ppm and total BTEX ranged from no detect to 175 ppm. The majority of the source materials were typically located within the upper six feet of the soil, just above the groundwater table. In the OU2 area, surface sediments, defined as the uppermost four inches of sediments in Coney Island Creek, were contaminated with the same VOC, SVOC and metal contaminants present on-site. BTEX compounds were detected in 11 of 30 surface sediment samples, with benzene,toluene, ethylbenzene and xylenes concentrations ranging between 0.0023 and 13 ppm. Individual PAHs were detected at concentrations ranging from 0.13 to 72 ppm in 29 of the 30 samples collected. The maximum concentrations of TPAHs and cPAHs detected in the surface sediment were 120 and 8 ppm respectively. Twenty-three metals were detected in the surface sediment samples. The highest concentrations of metals, including lead at a concentration of over 2,000 ppm, were detected at sampling locations adjacent to the combined sewer overflow and storm water outfalls and are probably not MGP-related. Subsurface sediments are defined as the sediments between 4 inches and 6 to 10 feet below the sediment surface. Individual BTEX constituents were detected in 34 of the 66 subsurface sediments samples collected with concentrations ranging from 0.0006 to 300 ppm, and a maximum total BTEX of 364 ppm. Individual PAHs were detected, at concentrations ranging from 0.036 to 200 ppm, in 74 of 99 samples. The maximum concentration of TPAH detected in the subsurface sediment was 819 ppm. Elevated concentration of PAHs were detected at depth of 6 to 10 feet below the sediment surface in the source areas adjacent to the southwest portion of the former MGP site. Metals, including arsenic and lead at concentrations ranging from 61 to 3,300 ppm respectively were detected in subsurface sediments. "

Health Problem: "Since the site is fenced and covered with an engineered soil cover system, people will not come into contact with site-related soil and groundwater contamination unless they dig below the surface. People are not drinking the contaminated groundwater since the area is served by public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The site is vacant therefore soil vapor intrusion is currently not an issue. However, the potential exists for people to inhale site contaminants in indoor air due to soil vapor intrusion in any future on-site building development and occupancy."

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1908

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

Disp Term:	1980s
Lat/Long:	40:34:53:0 / 73:58:45:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	2013-01-04 14:38:00
Updated By:	LXDOLATA
Own Op:	3
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	BROOKLYN BOROUGH GAS COMPANY
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C05
Owner Name:	Chuck Reichenthal
Owner Company:	Community Board 13
Owner Address:	2900 W. 8th Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Brooklyn, NY 11224
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	Sarah aldridge
Owner Company:	National Grid
Owner Address:	175East Old Country Rd
Owner Addr2:	Not reported
Owner City,St,Zip:	Hicksville, NY 11801
Owner Country:	United States of America
Own Op:	1
Sub Type:	NNN
Owner Name:	Real Estate Department
Owner Company:	Metropolitan Transportation Authority
Owner Address:	347 Madison Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10017
Owner Country:	United States of America
HW Code:	224026
Waste Type:	ACETONE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	ACETONE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	NAPHTHALENE
Waste Quantity:	UNKNOWN

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

Waste Code: Not reported
HW Code: 224026
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: benzo(k)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: benzo(k)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 224026
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

HW Code:	224026
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	1,2-BENZPHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	1,2-BENZPHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	benzo(a)anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	benzo(a)anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	BENZENE (D018)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	224026
Waste Type:	PCBS
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2005018

K - FORMER BROOKLYN BOROUGH GAS WORKS (Continued) **S105586297**

Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2020-09-02 07:22:00
Record Updated: 2020-09-02 07:22:00
Updated By: SXDEYETT
Crossref ID: 2012000235857
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2013-07-03 10:42:00
Record Updated: 2013-07-03 10:42:00
Updated By: SRHEIGEL
Crossref ID: NYD980532022
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	S113916585	DAVIDSON PIPE SUPPLY COMPANY	3RD AVE & 37TH STREET		NY SHWS
BROOKLYN	S105841909	HIGHWAY CONTAINER CORP.	BAY 56TH STREET (BET. W 21ST.	11214	NY SWF/LF
BROOKLYN	S126022763	CONEY ISLAND CREEK	BOUNDED BY NEPTUNE AVE, W 23RD		NY SWF/LF
BROOKLYN	S126022764	CONEY ISLAND, STILLWELL AND NEPTUN	BOUNDED BY STILLWELL AVE, NEPT		NY SWF/LF
BROOKLYN	1026463636	BROOKLYN BOROUGH GAS CO.	CONEY ISL CREEK/NEPTUNE AVE &	11224	SEMS
BROOKLYN	1026649148	US CUSTOMS SERVICE	FEDERAL BLDG. #1 29TH ST. & 3R		PRP
BROOKLYN	S126022660	CALVER VAUX/DRIER OFFERMAN	10 HUTCHINSON RIVER PKWY CROPS		NY SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/27/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/19/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 71

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 06/21/2022
Number of Days to Update: 6

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/29/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 06/24/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/02/2022
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85
Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 02/16/2022
Date Data Arrived at EDR: 03/16/2022
Date Made Active in Reports: 06/10/2022
Number of Days to Update: 86
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 02/16/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 85
Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP NYC: Voluntary Cleanup Program Listing NYC
New York City voluntary cleanup program sites.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/09/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 86

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 06/07/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 03/29/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 06/24/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

PFAS 2: New York State Inactive Landfill Initiative

A solid waste site priority list of mitigation and remedial activities to address sites causing, or substantially contributing to, impairments of drinking water quality. The primary focus is inactive solid waste disposal sites, primarily landfills, and their potential impact on New York?s drinking water resources from site-related contaminants, with a focus on emerging contaminants, including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane.

Date of Government Version: 10/29/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 158

Source: Department of Environmental Conservation
Telephone: 518-402-9662
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 07/26/2022
Number of Days to Update: 82

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 07/27/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/11/2022
Date Made Active in Reports: 08/02/2022
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/11/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/11/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/23/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 04/14/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/02/2022
Date Data Arrived at EDR: 05/25/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 65

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/10/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 96

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/02/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 07/27/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 8

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 03/30/2022
Date Made Active in Reports: 06/24/2022
Number of Days to Update: 86

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/22/2022
Date Data Arrived at EDR: 06/22/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 6

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 03/29/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 06/24/2022
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/11/2020
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 03/25/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 87

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 05/30/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/17/2022
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/13/2022
Date Made Active in Reports: 07/08/2022
Number of Days to Update: 86

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

NYC LEAD 2: Recent Lead Paint Violations

Pursuant to New York City?s Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) issues violations against conditions in rental dwelling units that have been verified to violate the New York City Housing Maintenance Code (HMC) or the New York State Multiple Dwelling Law (MDL). Violations are issued when an inspection verifies that a violation of the HMC or MDL exists. It is closed when the violation is corrected, as observed/verified by HPD or as certified by the landlord.

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 07/26/2022
Number of Days to Update: 83

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

NYC LEAD: Lead-based Paint Testing Results
The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 07/26/2022
Number of Days to Update: 83

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

NASSAU COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST - NASSAU: Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

TANKS SUFFOLK: Storage Tank Database

This county is not included in the state?s database. These are facilities that have no tank information in the storage tank database.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

UST - SUFFOLK: Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
2930 W 30TH ST, 2828 W 28TH ST, 2970 W 27TH ST.,
BROOKLYN, NY 11224

TARGET PROPERTY COORDINATES

Latitude (North):	40.575935 - 40ˆ 34’ 33.37’’
Longitude (West):	73.995217 - 73ˆ 59’ 42.78’’
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	585046.0
UTM Y (Meters):	4491957.5
Elevation:	3 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14105972 CONEY ISLAND, NY
Version Date:	2019
West Map:	14071946 THE NARROWS, NY
Version Date:	2019

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

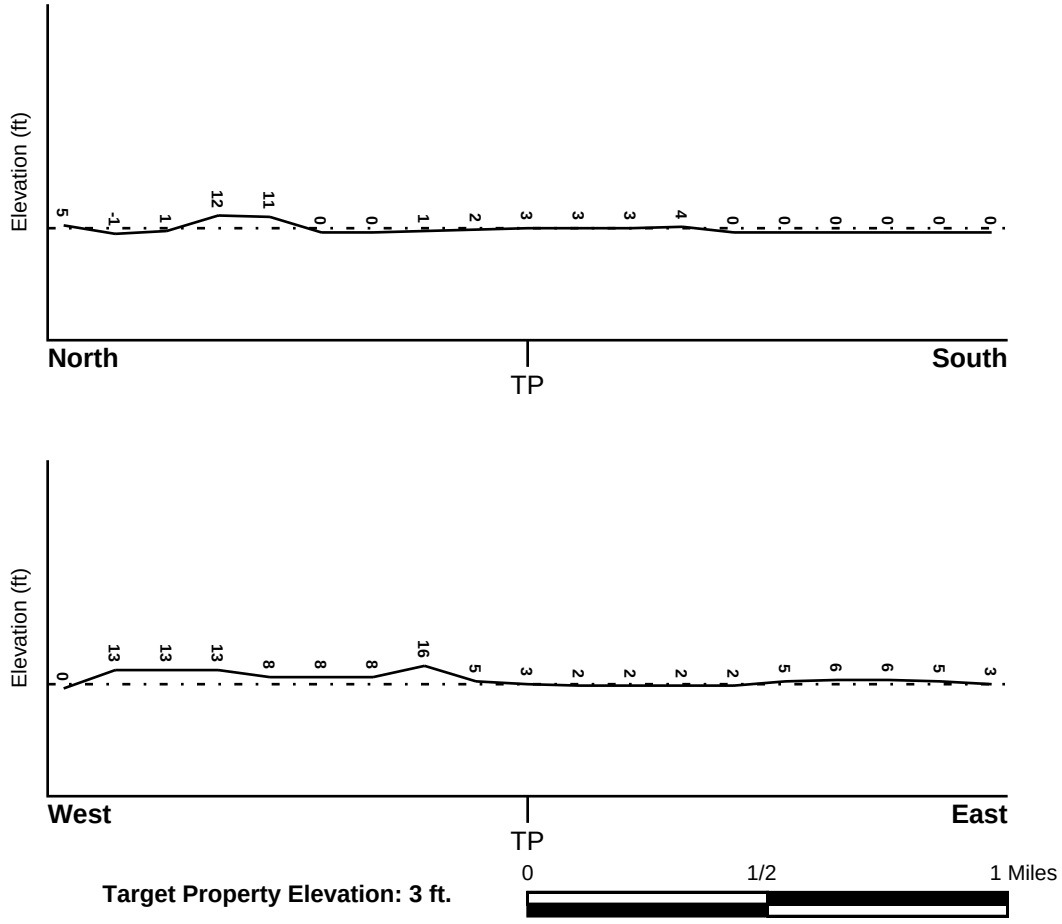
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3604970353F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3604970334F	FEMA FIRM Flood data
3604970117B	FEMA Q3 Flood data
3604970118B	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CONEY ISLAND	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Pleistocene
Code:	Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sand
mucky-peat

Surficial Soil Types: sand
mucky-peat

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: coarse sand
sand
loamy sand
sapric material

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000825922	1/8 - 1/4 Mile SW
2	USGS40000825920	1/4 - 1/2 Mile South
A3	USGS40000825918	1/4 - 1/2 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A4	USGS40000825919	1/4 - 1/2 Mile SE
5	USGS40000825931	1/4 - 1/2 Mile ENE
7	USGS40000825925	1/2 - 1 Mile East
8	USGS40000825927	1/2 - 1 Mile East
9	USGS40000825937	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

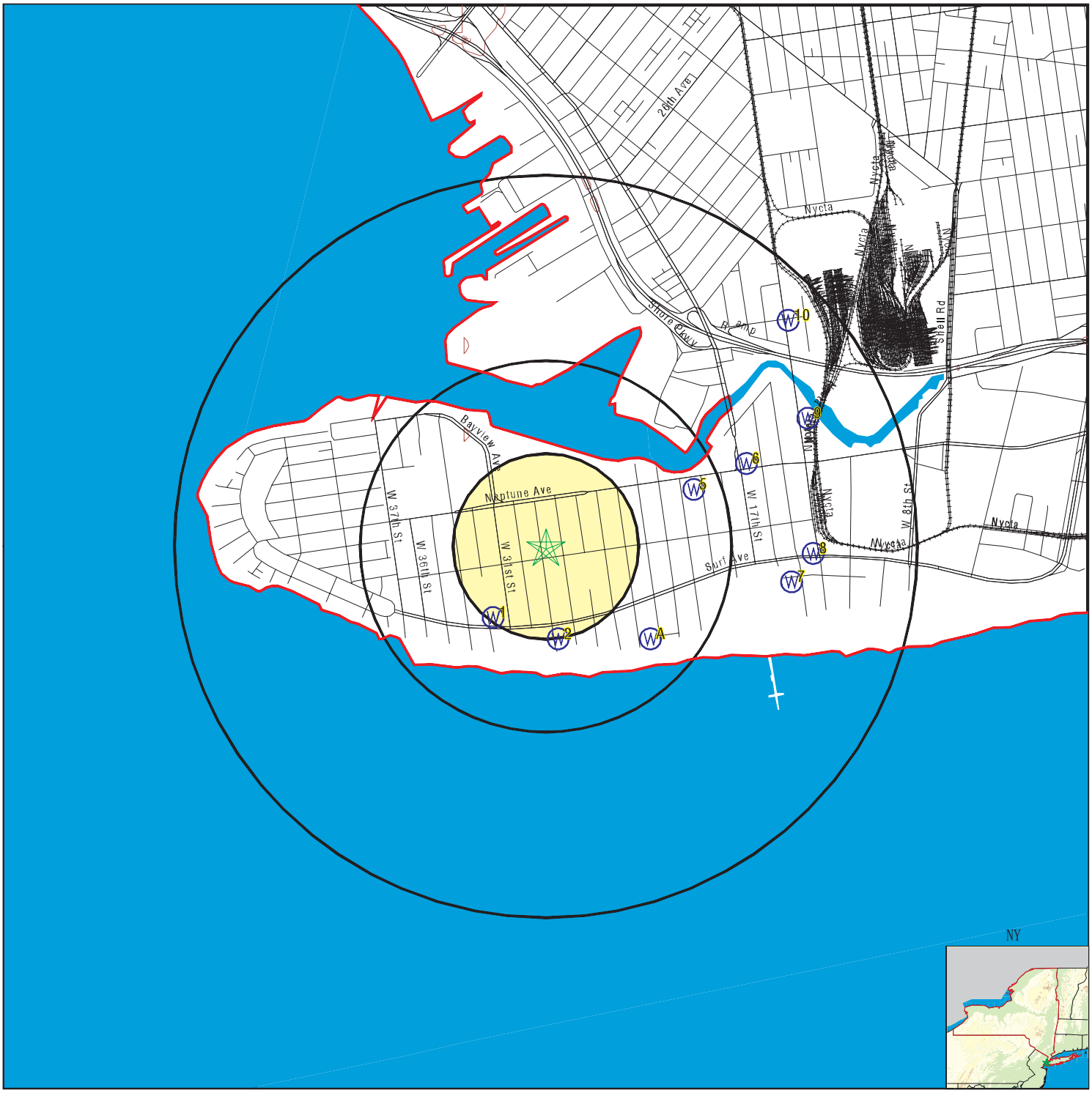
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	NYREG1000000162	1/2 - 1 Mile ENE
10	NYREG1000000114	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 7093643.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St.,	CLIENT:	Hillmann Environmental Co.
ADDRESS:	2930 W 30th St, 2828 W 28th St, 2970 W 27th St., Brooklyn NY 11224	CONTACT:	Joanne Bedkowski
LAT/LONG:	40.575935 / 73.995217	INQUIRY #:	7093643.2s
		DATE:	August 22, 2022 12:19 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SW
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000825922**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1322. 1	Type:	Well
Description:	5401	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	185	Well Hole Depth Units:	ft

2
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000825920**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1020. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	113	Well Hole Depth Units:	ft

A3
SE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000825918**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 178. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	118	Well Hole Depth Units:	ft

A4
SE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000825919**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1558. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	118	Well Hole Depth Units:	ft

5
ENE **FED USGS** **USGS40000825931**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1. 1	Type:	Well
Description:	1701	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	750	Well Hole Depth Units:	ft

6
ENE **NY WELLS** **NYREG1000000162**
1/2 - 1 Mile
Higher

Well Number:	K003516	Owner:	Coney Island Car Wash
Well Depth:	25	Diameter:	2
Casing Length:	0	Screen Diameter:	0
Screen Length:	0		

7
East **FED USGS** **USGS40000825925**
1/2 - 1 Mile
Higher

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 1021. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	120	Well Hole Depth Units:	ft

8
East **FED USGS** **USGS40000825927**
1/2 - 1 Mile
Higher

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 283. 1	Type:	Well
Description:	5501	HUC:	02030202

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	154	Well Hole Depth Units:	ft

9
ENE **FED USGS** **USGS40000825937**
1/2 - 1 Mile
Lower

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	K 2859. 1	Type:	Well
Description:	Not Reported	HUC:	02030202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Lloyd Aquifer	Aquifer Type:	Not Reported
Construction Date:	19660125	Well Depth:	500
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

10
NE **NY WELLS** **NYREG1000000114**
1/2 - 1 Mile
Higher

Well Number:	K003469	Owner:	Stillwell Materials
Well Depth:	75	Diameter:	6
Casing Length:	0	Screen Diameter:	0
Screen Length:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX F

OTHER DOCUMENTS

NYC Oasis

2828 WEST 28TH STREET, BROOKLYN 11224
Alternate address from NYC Dept of City Planning:
2828 WEST 28 STREET
Residential: Multi-Family Elevator Building
Owner: SEA PARK NORTH HOUSI
Block: 7011 **Lot:** 11
Property Characteristics:

- **Lot Area:** 154,050 sq ft (237' x 650')
- **# of Buildings:** 1 **Year built:** 1972
- **Building frontage:** 120' (Building frontage along the street measured in feet.)
- **# of floors:** 15 **Building Area:** 102,000 sq ft
- **Total Units:** 122 **Residential Units:** 122
- **Primary zoning:** R6 **Commercial Overlay:** None
- **Floor Area Ratio:** 0.66
  Max. Allowable Residential FAR: 2.43
  Max. Allowable Commercial FAR: 0
  Max. Allowable Facility FAR: 4.8
  The Maximum Allowable Floor Area Ratios are exclusive of bonuses for plazas, plaza-connected open areas, arcades or other amenities.
  FAR may depend on street widths or other characteristics. Contact City Planning Dept. for latest information.

Joanne Bedkowski

From: New York DEC Support <newyorkdec@mycusthelp.net>
Sent: Friday, August 19, 2022 7:41 PM
To: Joanne Bedkowski
Subject: FOIL Request :: W105546-081922

Dear Joanne:

Thank you for your Freedom of Information Law (FOIL) request. Your request has been received and is being processed. Your request was received in this office on 8/19/2022 and given the reference number FOIL #W105546-081922 for tracking purposes. You may expect the Department's response to your request no later than **9/20/2022**.

Record Requested: **Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street, Brooklyn, NY 11224 - Block: 7011, Lot: 11**

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Again, thank you for using the FOIL Center.

https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx

New York State Department of Environmental Conservation, Record Access Office

---

Track the issue status and respond at: https://newyorkdec.mycusthelp.com/webapp//_rs/RequestEdit.aspx?rid=105546

Joanne Bedkowski

From: donotreply@records.nyc.gov
Sent: Friday, August 19, 2022 7:37 PM
To: Joanne Bedkowski
Subject: [OpenRecords] Request FOIL-2022-826-03939 Submitted to Department of Environmental Protection (DEP)

Your request FOIL-2022-826-03939 has been successfully submitted to the Department of Environmental Protection (DEP). The details of your request are shown below.

Request Title: FOIL Request

Request Description: Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street, Brooklyn, NY 11224 - Block: 7011, Lot: 11

Requester's Contact Information

Name:
Joanne Bedkowski
Title:
Z3-4991.3
Organization:
Hillmann Consulting, LLC
Email:
jbedkowski@hillmanngroup.com
Phone Number:
(908) 688-7800
Fax Number:
(908) 686-2636
Street Address (line 1):
1600 Route 22 East
Street Address (line 2):
Suite 107
City:
Union
State:
NJ
Zip Code:
07083

You can view the request and take any necessary action at the following webpage: https://a860-openrecords.nyc.gov/request/view/FOIL-2022-826-03939.

Joanne Bedkowski

From: donotreply@records.nyc.gov
Sent: Tuesday, August 23, 2022 9:21 AM
To: Joanne Bedkowski
Subject: [OpenRecords] Request FOIL-2022-826-03939 Acknowledged

The Department of Environmental Protection (DEP) has **acknowledged** your FOIL request FOIL-2022-826-03939.

You can expect a response on or about Tuesday, January 10, 2023.

Please visit FOIL-2022-826-03939 to view additional information and take any necessary action.

Open RECORDS

(/)

Request a Record

Please make your request specific so you receive the fastest service. After you submit a FOIL request you will receive a confirmation number so you can track the status of the response. The agency will notify you about how much time is required to respond to your request.

Category (optional)

Selecting a category helps clarify which agency will receive the request by listing agencies grouped by categories.

Environment

Agency (required)

Select the agency that will handle your request.

Department of Environmental Protection (DEP)

Request Title (required)

FOIL Request

90 characters remaining

Note: The agency, category, and title of your request will be visible to the public. Do not enter personal information here.

Ex: Queens Blvd Roadwork Permit.

Request Description (required)

Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street, Brooklyn, NY 11224 - Block: 7011, Lot: 11

4650 characters remaining

Note: The request details you write here will not be visible to the public. However, the agency may post a description of the records provided.

Ex: Roadwork permits for work done in on Queens Blvd. between 40th and 45th streets, Borough of Queens, in September and October 2017.

Upload File (optional, must be less than 20 Mb)

Choose File

No file uploaded

Personal Information

First and last name fields are required. The Email field is optional but recommended. If you do not provide an email you must enter either a phone number, fax number, or address in the Alternate Contact Information section.

This information will not be publicly viewable on this site. You must provide contact information so that the agency can respond to your request for records.

First Name (required)

Joanne

32 characters remaining

Last Name (required)

Bedkowski

64 characters remaining

Email

jbedkowski@hillmanngroup.com

Alternate Contact Information

No information entered in this section will be visible to the public.

Fields are included in case alternate contact method is needed.

Title

Z3-4991.3

55 characters remaining

Organization

Hillmann Consulting, LLC

128 characters remaining

Phone

(908) 688-7800

Fax

(908) 686-2636

Address

Address Line 1

1600 Route 22 East

Address Line 2

Suite 107

City

Union

State / U.S. Territory

New Jersey

Zip

07083

Submit Request

Privacy - Terms

Directory of City Agencies (http://www1.nyc.gov/nyc-resources/agencies.page)

Contact NYC Government (http://www1.nyc.gov/home/contact-us.page)

City Employees (https://a127-ess.nyc.gov)

Notify NYC (http://www.nyc.gov/notifynyc)

CityStore (http://a856-citystore.nyc.gov/)

Stay Connected (http://www1.nyc.gov/connect/social-media.page)

NYC Mobile Apps (http://www1.nyc.gov/connect/applications.page)

Maps (http://www1.nyc.gov/nyc-resources/nyc-maps.page)

Resident Toolkit (http://www1.nyc.gov/nyc-resources/resident-toolkit.page)

Search

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Open RECORDS

(/)

Your request has been submitted! ×

You can expect an acknowledgment from the City of New York within 5 business days. The agency will use the contact information you provided.

All messages from the City of New York and/or the information and documents you requested will be posted to this page.

FOIL-2022-826-03939

Title:
Under Review

Open

Department of Environmental Protection (DEP)

Acknowledgment
Due Date:
08/26/2022

Contact the Agency

Responses

Directory of City Agencies (http://www1.nyc.gov/nyc-resources/agencies.page)

Contact NYC Government (http://www1.nyc.gov/home/contact-us.page)

City Employees (https://a127-ess.nyc.gov)

Notify NYC (http://www.nyc.gov/notifynyc)

CityStore (http://a856-citystore.nyc.gov/)

Stay Connected (http://www1.nyc.gov/connect/social-media.page)

NYC Mobile Apps (http://www1.nyc.gov/connect/applications.page)

Maps (http://www1.nyc.gov/nyc-resources/nyc-maps.page)

Resident Toolkit (http://www1.nyc.gov/nyc-resources/resident-toolkit.page)

Search

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FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

SECTION A **CUSTOMER INFORMATION**

Please print the required information below.

Hillmann Consulting, LLC - Joanne Bedkowski
Name

1600 Route 22 East, Suite 107
Address

Union, NJ 07083
State Zip Code

908-688-7800, Fax: 908-686-2636
Telephone Number

OFFICE USE ONLY

Cashier / Search No.

PRU Staff
Accepted By/Initials:

Searched By:

Total Amount:

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the **NYC Fire Department and a stamped self-addressed envelope (with postage).** Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH.**

SECTION B **FUEL TANK REPORT - FEE $10.00 / PER REPORT**

2828	West 28th Street	Brooklyn
House Number	Street Name	Borough

- [x] THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- [x] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [ ] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- [ ] MOST RECENT TANK / PIPING TEST RESULTS
- [ ] HISTORY OF BURIED TANKS LEAKS

Note: Requests will be responded to within 10 business days.

PR3 (July-08)

Public Records Center

MENU

Public Records Menu

FAQs

See All FAQs

- How to contact NYSDEC about FOIL?
- Response time to my FOIL request?
- Fees I have to pay?
- Exceptions to disclosing records?
- Can I inspect documents first?
- Processing of my request?
- How I pay fees?
- How do I appeal a denial of access?

View Message(s)

Request Type: Freedom of Information Law Request

Description: A FOIL request is a request for any "record" under NY's Freedom of Information Law (Article 6 of the Public Officers Law). Section 86 defines a "record" as: "any information kept, held, filed, produced or reproduced by, with or for an agency or the state legislature, in any physical form whatsoever including, but not limited to, reports, statements, examinations, memoranda, opinions, folders, files, books, manuals, pamphlets, forms, papers, designs, drawings, maps, photos, letters, microfilms, computer tapes or discs, rules, regulations or codes. NYSDEC maintains records in a variety of forms, or media, such as in hard copy (on paper), as recordings, as photographs, in electronic form, etc.

Contact E-Mail: jbedkowski@hillmanngroup.com

Reference No: W105546-081922

Type of Record(s) Requested: Other

Powered by GovQA

	hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street Brooklyn, NY 11224 - Block: 7011, Lot: 11
NYSDEC Office processing the Request:	Region 2 (New York City) Covers the counties of Brooklyn Bronx Manhattan Queens and Staten Island **If your request pertains to just one Region, select that Region. If your request pertains to more than one Region, select Central Office. If you're unsure which Region your request pertains to, select Central Office. The Department will route your request to the appropriate Region(s)**
Preferred Method to Receive Records:	Electronic copies **NYSDEC will use its best efforts to provide records via the method you select. However, in some cases a particular delivery method is not feasible In such cases NYSDEC will deliver the records via an alternative method**

Please note not all public documents are available in electronic format. If the document(s) requested are not available electronically, we will make them available for inspection or by paper copy in accordance with the Public Records Law.

New Message | Cancel

Messages 2 | Print Messages (PDF

On 8/19/2022 7:39:14 PM, New York DEC Support wrote:

Dear Joanne:

Thank you for your Freedom of Information Law (FOIL) request. Your request has

purposes. You may expect the Department's response to your request no later than **9/20/2022**.

Record Requested: **Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4991.3), Time frame: 01/01/1967 - 08/19/2022, 2828 West 28th Street, Brooklyn, NY 11224 - Block: 7011, Lot: 11**

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Again, thank you for using the FOIL Center.

https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx

New York State Department of Environmental Conservation, Record Access Office

---

Track the issue status and respond at:
https://newyorkdec.mycusthelp.com/webapp//_rs/RequestEdit.aspx?rid=105546

On 8/19/2022 7:39:14 PM, Joanne Bedkowski wrote:

Request Created on Public Portal

Powered by GovQA

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Property Profile Overview

2828 WEST 28 STREET — **BROOKLYN 11224** — **BIN# 3259642**

WEST 28 STREET 2828 - 2828

Health Area	: 9010	**Tax Block**	: 7011
Census Tract	: 328	**Tax Lot**	: 11
Community Board	: 313	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

VIOLATION FOR FAILURE TO CERTIFY CORRECTION OF CLASS 1 VIOLATION EXISTS ON THIS PROPERTY - DOB CIVIL PENALTIES DUE

Cross Street(s):	NEPTUNE AVENUE, CHARLOTTE L TAYLOR WAY		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Environmental Restrictions:	HAZMAT/NOISE/AIR	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		
Additional Designation(s):	MS4 - MS4 AREA MIH - MIH AREA		
HPD Multiple Dwelling:	Yes		
Number of Dwelling Units:	122		

Special District: UNKNOWN

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	No
Freshwater Wetlands Map Check:	No
Coastal Erosion Hazard Area Map Check:	No
Special Flood Hazard Area Check:	Yes

Click here for more information

Department of Finance Building Classification: D1-ELEVATOR APT

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	44	0
Violations-DOB	45	3
Violations-OATH/ECB	40	8
Jobs/Filings	17	
ARA / LAA Jobs	2	
Total Jobs	19	
Actions	8	
OR Enter Action Type:		

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information

OR Select from List: Select...

AND Show Actions

Crane Information

After Hours Variance Permits

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C of O PDF Listing for Property

For Certificates of Occupancy requested on or after March 1, 2021, see DOB NOW.

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

Download the **Adobe Acrobat Reader** if you are unable to open the PDF files

To report a problem with any of these images, please use the **CO Image Problem Form**

THERE ARE NO CERTIFICATES OF OCCUPANCY ON FILE FOR THIS ADDRESS

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DOB Violation Display for 050312BENCH02401

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

Issue Date: 05/03/2012 **Violation Category:** V - DOB VIOLATION - ACTIVE
Violation Type: BENCH - FAILURE TO BENCHMARK
Violation Number: 02401 **Device No.:**
OATH/ECB No.:
Infraction Codes:
Description: FAILURE TO FILE BENCHMARKING REPORT OF ENERGY USE AS PER AD. CODE SEC. 28-309.4

Disposition:
Code: **Date:**
Inspector:
Comments:

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DOB Violation Display for 123113FISPNRF01177

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642** **Block: 7011** **Lot: 11**

Issue Date:	12/31/2013	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	FISPNRF - NO REPORT AND / OR LATE FILING (FACADE)		
Violation Number:	01177	**Device No.:**	7C710203
OATH/ECB No.:			
Infraction Codes:			
Description:	FAILED TO FILE FISP CYCLE 7C TECHNICAL REPORT BY 02/21/2013		
Disposition:			
Code:	**Date:**		
Inspector:			
Comments:			

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DOB Violation Display for 031622AEUHAZ100353

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB Civil Penalty Due: $3,000

Issue Date:	03/16/2022	**Violation Category:**	V - DOB VIOLATION - ACTIVE
Violation Type:	AEUHAZ1 - FAIL TO CERTIFY CLASS 1		
Violation Number:	00353	**Device No.:**	
OATH/ECB No.:	35640583Y (refer to for further details)		
Description:	FAILURE TO CERTIFY CORRECTION ON IMMEDIATELY HAZARDOUS (CLASS 1) ECB VIOLATION		

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OATH/ECB Violation Details

Click here for more information about Severity, Violation and Hearing Statuses

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 39063845N

Severity: CLASS - 3 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD FL 2 , ROSLYN , NY 11576

Violation Details

Violation Date: 06/09/2022 **Violation Type:** BOILER

Served Date: 06/09/2022 **Inspection Unit:** BOILER DIVISION

Device Type: BOILER

Device Number: 000048934

Infraction Codes	Section of Law	Standard Description
354	28-301.1	FAILURE TO MAINTAIN BUILDING IN CODE-COMPLIANT MANNER: SERVICE EQUIPME NT - BOILER

Specific Violation Condition(s) and Remedy:

REAR BOILER DRAIN VALVE LEAKING/GAS PIOLIT REGULATOR MISSING VENT LIMITER/BODY DRAIN DISCHARGE PIPES MISSING AT SAFETY VALVES/LEFT FRONT BOTTOM WASHOUT CAP LEAKING;CORRECT VIOLATION AND SUBMIT THE CERTIFICATE O

Issuing Inspector ID: 1952 **DOB Violation Number:**

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 10/12/2022 8:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $500.00

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OATH/ECB Violation Details

Click here for more information about Severity, Violation and Hearing Statuses

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 39063844L

Severity: CLASS - 3 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD FL 2 , ROSLYN , NY 11576

Violation Details

Violation Date: 06/09/2022 **Violation Type:** BOILER

Served Date: 06/09/2022 **Inspection Unit:** BOILER DIVISION

Device Type: BOILER

Device Number: 000048934

Infraction Codes	Section of Law	Standard Description
354	28-301.1	FAILURE TO MAINTAIN BUILDING IN CODE-COMPLIANT MANNER: SERVICE EQUIPME NT - BOILER

Specific Violation Condition(s) and Remedy:

BOILER OUTSIDE FLUE TERMINATION IS DEFECTIVE;CORRECT VIOLATION AND SUBMIT THE CERTIFICATE OF CORRECTION

Issuing Inspector ID: 1952 **DOB Violation Number:**

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 10/12/2022 11:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $500.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 39063843J

Severity: CLASS - 3 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD FL 2 , ROSLYN , NY 11576

Violation Details

Violation Date: 06/09/2022 **Violation Type:** BOILER

Served Date: 06/09/2022 **Inspection Unit:** BOILER DIVISION

Device Type: BOILER

Device Number: 000048934

Infraction Codes	Section of Law	Standard Description
354	28-301.1	FAILURE TO MAINTAIN BUILDING IN CODE-COMPLIANT MANNER: SERVICE EQUIPME NT - BOILER

Specific Violation Condition(s) and Remedy:

CONDENSATE LEAKING FROM 1ST ELBOW ON BOILER FLUE CONNECTION;CORRECT VIOLATION AND SUBMIT THE CERTIFICATE OF CORRECTION

Issuing Inspector ID: 1952 **DOB Violation Number:**

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 10/12/2022 10:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $500.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 39063842H

Severity: CLASS - 3 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD FL 2 , ROSLYN , NY 11576

Violation Details

Violation Date: 06/09/2022 **Violation Type:** BOILER

Served Date: 06/09/2022 **Inspection Unit:** BOILER DIVISION

Device Type: BOILER

Device Number: 000048934

Infraction Codes	Section of Law	Standard Description
354	28-301.1	FAILURE TO MAINTAIN BUILDING IN CODE-COMPLIANT MANNER: SERVICE EQUIPME NT - BOILER

Specific Violation Condition(s) and Remedy:

FRONT LEFT+RIGHT BOILER DRAIN VALVES LEAKING/BOILER WATER FEED TANK CORRODED/BODY DRAIN DISCHARGE PIPES MISSING AT SAFETY VALVES;CORRECT VIOLATION AND SUBMIT THE CERTIFICATE OF CORRECTION

Issuing Inspector ID: 1952 **DOB Violation Number:**

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 10/12/2022 9:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $500.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 35651589Z

Severity: CLASS - 1 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $2,500.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD , ROSLYN , NY 11576

Violation Details

Violation Date: 06/07/2022 **Violation Type:** CONSTRUCTION

Served Date: 06/07/2022 **Inspection Unit:** FACADE INSPECTION AND AUDIT UNIT

Infraction Codes	Section of Law	Standard Description
187	28-201.1	UNLAWFUL ACTS. FAILURE TO COMPLY WITH COMMISSIONER'S ORDER

Specific Violation Condition(s) and Remedy:

UNLAWFUL ACTS.FAILURE TO COMPLY WITH COMMISSIONER'S ORDER NOTE:PREVIOUSLY WRITTEN ECB#35651235L & 35651236N DATED ON 04-20-2022 REQUIRES RESPONDENT TO MAINTAIN THEIR BUILDING AND PROVIDE SAFETY MEASURES.HOWEVER

Issuing Inspector ID: 3240 **DOB Violation Number:** 06072022LLFAMB03

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 11/02/2022 8:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $2,500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $2,500.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 35651587P

Severity: CLASS - 1 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $25,000.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD , ROSLYN , NY 11576

Violation Details

Violation Date: 06/07/2022 **Violation Type:** CONSTRUCTION

Served Date: 06/07/2022 **Inspection Unit:** FACADE INSPECTION AND AUDIT UNIT

Infraction Codes	Section of Law	Standard Description
131	BC 3307.3.1 (2008 CODE), 2	FAILURE TO PROVIDE SIDEWALK SHED WHERE REQUIRED

Specific Violation Condition(s) and Remedy:

FAILURE TO PROVIDE SIDEWALK SHED WHERE REQUIRED NOTE:RESPONDENT FAILEDTO CORRECT PREVIOUSLY ISSUED ECB#35651236N DATED ON 04-20-2022 WHICH REQUIRES OWNER-RESPONDENT TO PROVIDE SAFETY MEASURES TO PROTECT THE RES

Issuing Inspector ID: 3240 **DOB Violation Number:** 06072022LLFAMB01

Issued as Aggravated Level: AGGRAVATED OFFENSE LEVEL 2

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 11/02/2022 8:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $25,000.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $25,000.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 35651236N

Severity: CLASS - 1 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $25,000.00 **Hearing Status:** PENDING

Respondent Information

Name: SEA PARK NORTH HOUSI

Mailing Address: 1044 NORTHERN BLVD , ROSLYN , NY 11576

Violation Details

Violation Date: 04/20/2022 **Violation Type:** CONSTRUCTION

Served Date: 04/22/2022 **Inspection Unit:** FACADE INSPECTION AND AUDIT UNIT

Infraction Codes	Section of Law	Standard Description
131	BC 3307.3.1 (2008 CODE), 2	FAILURE TO PROVIDE SIDEWALK SHED WHERE REQUIRED

Specific Violation Condition(s) and Remedy:

FAILURE TO PROVIDE SIDEWALK SHED WHERE REQUIRED AS NOTED:AT TIME OF INSPECTION I OBSERVE DEFECTIVE HAZARDOUS CONDITION ON BALCONIES AND NO SIDEWALK SHED OR SAFETY MEASURES.MEASURES WERE IN PLACE TO PROTECT THE

Issuing Inspector ID: 2786 **DOB Violation Number:** 04202022LL13RF1

Issued as Aggravated Level: AGGRAVATED OFFENSE LEVEL 2

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 09/14/2022 8:30 **Hearing Status:** PENDING

OATH/ECB Penalty Information

Penalty Imposed: $25,000.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $25,000.00

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OATH/ECB Violation Details

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Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET , BROOKLYN , NY 11224**

BIN: 3259642 Block: 7011 Lot: 11 **Community Board: 313**

OATH/ECB Violation Summary

VIOLATION OPEN

OATH/ECB Violation Number: 35640583Y

Severity: CLASS - 1 **Certification Status:** NO COMPLIANCE RECORDED

Penalty Balance Due: $2,500.00 **Hearing Status:** IN VIOLATION

Respondent Information

Name: SEA PARK NORTH HOUSING

Mailing Address: 1044 NORTHERN BLVD , ROSLYN , NY 11576

Violation Details

Violation Date: 12/15/2021 **Violation Type:** CONSTRUCTION

Served Date: 12/15/2021 **Inspection Unit:** FACADE INSPECTION AND AUDIT UNIT

Infraction Codes	Section of Law	Standard Description
104	28-302.1	FAILURE TO MAINTAIN BUILDING WALL(S) OR APPURTENANCES

Specific Violation Condition(s) and Remedy:

FAILURE TO MAINTAIN EXTERIOR BLDG FACADE&APPURTENANCES.@E ELEVATION,EXP1 OBSERVED MULTIPLE SPALLED CONCRETE BALCONY SLABS.ALSO OBSERVED@E&SELEVATIONS (EXP1,2) DAMAGED MORTAR JOINTS@MULTIPLE LOCATIONS.MAINTAIN

Issuing Inspector ID: 3344 **DOB Violation Number:** 121521LLFAMH02

Issued as Aggravated Level: NO

Dept. of Buildings Compliance History and Events

Certification Status: NO COMPLIANCE RECORDED **Compliance On:**

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by OATH/ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by OATH/ECB.

OATH/ECB Hearing Information

Scheduled Hearing Date/Time: 08/01/2022 8:30 **Hearing Status:** IN VIOLATION

OATH/ECB Penalty Information

Penalty Imposed: $2,500.00

Adjustments: $0.00 **Amount Paid:** $0.00

Penalty Balance Due: $2,500.00

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28TH STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

View Permit History

DOB NOW: *Inspections*

Job No:	320925843			**Fee:**	STANDARD
Permit No:	320925843-01-EW-FB-OIL	**Issued:**	09/29/2015	**Expires:**	05/01/2016
Seq. No.:	02	**Filing Date:**	09/29/2015 ERENEWAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/15/2014	**Work Approved:**	04/24/2014

ALTERATION TYPE 2 - FUEL BURNING

FILING FOR FUEL BURNER AND FUEL STORAGE IN CONJUNCTION WITH ALT2 #320873621

Use: J-2 - RESIDENTIAL APT HOUSE **Landmark:** NO **Stories:** 15

Site Fill: NOT APPLICABLE

Review is requested under Building Code: 2008

Issued to: RICHARD BONELLI **OIL BURNER INSTALLER B**

Business: BONDEE ENTERPRISES INC **License No:** OB 005087

151-01 14TH AVENUE WHITESTONE NY 11357 **Phone:** 718-767-8600

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 ST BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

View Permit History

DOB NOW: *Inspections*

Job No:	320873621			**Fee:**	STANDARD
Permit No:	320873621-01-EW-BL	**Issued:**	09/29/2015	**Expires:**	05/01/2016
Seq. No.:	03	**Filing Date:**	09/29/2015 ERENEWAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	02/24/2014	**Work Approved:**	09/13/2013

ALTERATION TYPE 2 - BOILER

FILING FOR INSTALLATION OF TWO BOILERS AND REPLACEMENT OF TWO BOILERS AS PER PLANS FILED HEREWITH. NO CHANGE IN EGRESS, USE OR OCCUPANCY.

Use: J-2 - RESIDENTIAL APT HOUSE **Landmark:** NO **Stories:** 15

Site Fill: NOT APPLICABLE

Review is requested under Building Code: 1968

Issued to: RUDOLPH BONELLI **MASTER PLUMBER**

Business: BONDEE ENTERPRISES INC **License No:** MP 009472

151-01 14TH AVENUE WHITESTONE NY 11357 **Phone:** 718-767-8600

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301977788			**Fee:**	STANDARD
Permit No:	301977788-01-EW-FS	**Issued:**	07/20/2005	**Expires:**	01/01/2006
Seq. No.:	01	**Filing Date:**	07/20/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	07/20/2005	**Work Approved:**	07/12/2005

ALTERATION TYPE 2 - FUEL STORAGE
ABANDON BURIED 10,000 GALLON FUEL OIL TANK. INSTALL REPLACEMENT 7098 GALLON RECTANGULAR ABOVEGROUND FUEL OIL TANK. NO CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.

Use: J-2 - RESIDENTIAL APT HOUSE **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: JEFFREY SOLOMON
Business: ABILENE INC
2402 NEPTUNE AVE BK NY 11224

OIL BURNER INSTALLER A
License No: OB 002693
Phone: 718-372-4210

Filing Represntative: PETER/LANETTE MOSKOVER/SIMON
Business: D & D EXPEDITOR
211 NEPTUNE AVE LINDENHURST NY 11757

Phone: 631-957-9770

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301946278			**Fee:**	STANDARD
Permit No:	301946278-02-EW-FB-OIL	**Issued:**	05/09/2005	**Expires:**	09/30/2005
Seq. No.:	01	**Filing Date:**	05/09/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/09/2005	**Work Approved:**	05/06/2005

ALTERATION TYPE 2 - FUEL BURNING
REPLACE 2 LOW PRESSURE BOILERS AND GAS O IL BURNERS ALL PLUMBING WORK UN
ER DOC 01 OF THIS APPLICATION

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RICHARD BONELLI **OIL BURNER INSTALLER B**

Business: RANSHAW FUEL PLBG & HTG **License No:** OB 005087

151 01 14 AVE WHITESTONE NY 11357 **Phone:** 718-767-8600

Filing Represntative: ALEXANDER WEISS

Business: WEISS CONSULTANTS **Phone:** 917-202-5288

8 BERGEN BEACH PLACE BK NY 11234

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301946278			**Fee:**	STANDARD
Permit No:	301946278-02-EW-BL	**Issued:**	05/09/2005	**Expires:**	09/30/2005
Seq. No.:	01	**Filing Date:**	05/09/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/09/2005	**Work Approved:**	05/06/2005

ALTERATION TYPE 2 - BOILER
REPLACE 2 LOW PRESSURE BOILERS AND GAS O IL BURNERS ALL PLUMBING WORK UN
ER DOC 01 OF THIS APPLICATION

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RICHARD BONELLI **OIL BURNER INSTALLER B**
Business: RANSHAW FUEL PLBG & HTG **License No:** OB 005087
151 01 14 AVE WHITESTONE NY 11357 **Phone:** 718-767-8600

Filing Represntative: ALEXANDER WEISS
Business: WEISS CONSULTANTS **Phone:** 917-202-5288
8 BERGEN BEACH PLACE BK NY 11234

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301946278			**Fee:**	STANDARD
Permit No:	301946278-01-EW-BL	**Issued:**	05/09/2005	**Expires:**	09/30/2005
Seq. No.:	01	**Filing Date:**	05/09/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/09/2005	**Work Approved:**	05/06/2005

ALTERATION TYPE 2 - BOILER
INSTALL 3 NEW GAS FIRED DIRECT VENTED DH W BOILERS NEW GAS PIPING AND CO
ECT TO EXISTING GAS SERVICE MAKE FINAL C ONECTION TO 2 REPLACEMENT GAS/OIL BURNE
S FILED UNDER DOC 02 OF THIS PPLICATION

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RICHARD BONELLI **MASTER PLUMBER**
Business: RANSHAW FUEL PLBG & HTG **License No:** MP 009472
151 01 14 AVE WHITESTONE NY 11357 **Phone:** 718-767-8600

Filing Represntative: ALEXANDER WEISS
Business: WEISS CONSULTANTS **Phone:** 917-202-5288
8 BERGEN BEACH PLACE BK NY 11234

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301946278			**Fee:**	STANDARD
Permit No:	301946278-01-EW-MH	**Issued:**	05/09/2005	**Expires:**	09/30/2005
Seq. No.:	01	**Filing Date:**	05/09/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	05/09/2005	**Work Approved:**	05/06/2005

ALTERATION TYPE 2 - MECH/HVAC
INSTALL 3 NEW GAS FIRED DIRECT VENTED DH W BOILERS NEW GAS PIPING AND CO
ECT TO EXISTING GAS SERVICE MAKE FINAL C ONECTION TO 2 REPLACEMENT GAS/OIL BURNE
S FILED UNDER DOC 02 OF THIS PPLICATION

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RICHARD BONELLI

GENERAL CONTRACTOR - NON-REGISTERED: GC 000477

Business: RANSHAW FUEL PLBG & HTG
151 01 14 AVE WHITESTONE NY 11357 **Phone:** 718-767-8600

Filing Represntative: ALEXANDER WEISS
Business: WEISS CONSULTANTS **Phone:** 917-202-5288
8 BERGEN BEACH PLACE BK NY 11234

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301638119			**Fee:**	STANDARD
Permit No:	301638119-01-EW-FS	**Issued:**	12/16/2003	**Expires:**	01/03/2004
Seq. No.:	01	**Filing Date:**	12/16/2003 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	12/16/2003	**Work Approved:**	11/26/2003

ALTERATION TYPE 2 - FUEL STORAGE
LEGALIZE 10,000 GALLO OIL TANK.

Use: N/A **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: RONALD BARBARIA
Business: HI TECH HEATING CORP
431 EAST 165 ST BX NY 10456

OIL BURNER INSTALLER B
License No: OB 005292
Phone: 718-742-9615

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Work Permit Data

Premises: 2828 WEST 28 STREET BROOKLYN **Filed At: 2828 WEST 28 STREET BROOKLYN**

BIN: 3259642 Block: 7011 Lot: 11 **Job Type: A2 - ALTERATION TYPE 2**

Job No:	301575418			**Fee:**	EXEMPT
Permit No:	301575418-02-EW-MH	**Issued:**	11/18/2005	**Expires:**	01/01/2006
Seq. No.:	01	**Filing Date:**	11/18/2005 INITIAL	**Status:**	ISSUED
Work:		**Proposed Job Start:**	11/18/2005	**Work Approved:**	07/31/2003

ALTERATION TYPE 2 - MECH/HVAC
Herewith filing mechanical, plumbing and boiler related to renovation of building. Install new boilers, install new heating risers, baseboard radiators per plans.

Use: J-2 - RESIDENTIAL APT HOUSE **Landmark:** NO **Stories:** 0

Review is requested under Building Code: 1968

Issued to: SOL ARKER

GENERAL CONTRACTOR: GC 022609

Business: EMPIRE DVLPRS CORP
930 BROADWAY WOODMERE NY 11598

Phone: 516-374-3336

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Boiler Details

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB NOW: *Inspections*

Boiler-No: 48934 **Serial-No:** 04 **Type:** MULT DWELL LOW PRESSURE
Boiler Status: ACTIVE **Review Required:** No

Filed At: 2828 WEST 28 STREET **BIN: 3259642 BBL: 3-07011-00011**

Located in: 1ST FLOOR
Make of Boiler: AERCO **Year:** 2015
Over6: No **No-of-Boilers:** 04
Fee: Yes **School:** No

The below information does not include 2017 Boiler Inspection Cycle compliance filings submitted after August 14, 2017; use the DOB NOW Public Portal to access DOB NOW records.

INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
11/04/2016	11/16/2016	03/29/2017	ONECIS INSURANCE		NO DEFECTS	11422
09/24/2014	11/03/2014	11/20/2014	FACTORY MUTUAL		NO DEFECTS	5457
10/01/2014	10/16/2014	10/27/2014	FACTORY MUTUAL		NO DEFECTS	5457
09/03/2013	09/18/2013	10/07/2013	FACTORY MUTUAL		NO DEFECTS	5338
06/19/2012	06/29/2012	09/03/2012	FACTORY MUTUAL		NO DEFECTS	5338
11/10/2011	11/18/2011	05/12/2012	SMITH GEORGE		NO DEFECTS	O 5267
02/02/2011	01/04/2012	01/29/2012	HACHMANN JOHN		NO DEFECTS	O 005273
04/27/2010	06/29/2010	07/06/2010	HACHMANN JOHN		NO DEFECTS	O 005273
10/21/2008	11/27/2009	03/08/2010	MARCHESE PHILIP		NO DEFECTS	P 1575
01/12/2009	02/27/2009	02/27/2009	HACHMANN JOHN		NO DEFECTS	O 005273
11/02/2007	11/16/2007	11/27/2007	SMITH GEORGE		NO DEFECTS	O 5267
04/27/2006	10/05/2006	12/07/2006	TUCCI JR BRUNO		NO DEFECTS	O 5325
08/08/2005	09/21/2005	10/14/2005	TUCCI JR BRUNO		DEFECTS EXIST	O 5325

12/03/2015	DEVITO 2300 (MS)	F/T PASSED 320873621
11/19/2015	DEVITO 2300 KM	FAILED F/T 320873621
05/01/2015	DEVITO 2300 KM	FAILED F/T 320873621
01/17/2006	WOODS/WARSHALL (TS)	F/T PASSED 301946278

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Boiler Details

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB NOW: *Inspections*

Boiler-No: 48934 **Serial-No:** 03 **Type:** MULT DWELL LOW PRESSURE
Boiler Status: ACTIVE **Review Required:** No

Filed At: 2828 WEST 28 STREET **BIN: 3259642 BBL: 3-07011-00011**

Located in: 1ST FLOOR
Make of Boiler: AERCO **Year:** 2015
Over6: No **No-of-Boilers:** 04
Fee: Yes **School:** No

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INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
11/04/2016	11/16/2016	03/29/2017	ONECIS INSURANCE		NO DEFECTS	11422
09/24/2014	11/03/2014	11/20/2014	FACTORY MUTUAL		NO DEFECTS	5457
10/01/2014	10/16/2014	10/27/2014	FACTORY MUTUAL		NO DEFECTS	5457
09/03/2013	09/18/2013	10/07/2013	FACTORY MUTUAL		NO DEFECTS	5338
06/19/2012	06/29/2012	09/03/2012	FACTORY MUTUAL		NO DEFECTS	5338
11/10/2011	11/18/2011	05/12/2012	SMITH GEORGE		NO DEFECTS	O 5267
02/02/2011	01/04/2012	01/29/2012	HACHMANN JOHN		NO DEFECTS	O 005273
04/27/2010	06/29/2010	07/06/2010	HACHMANN JOHN		NO DEFECTS	O 005273
10/21/2008	11/27/2009	03/08/2010	MARCHESE PHILIP		NO DEFECTS	P 1575
01/12/2009	02/27/2009	02/27/2009	HACHMANN JOHN		NO DEFECTS	O 005273
11/02/2007	11/16/2007	11/27/2007	SMITH GEORGE		NO DEFECTS	O 5267
04/27/2006	10/05/2006	12/07/2006	TUCCI JR BRUNO		NO DEFECTS	O 5325
08/08/2005	09/21/2005	10/14/2005	TUCCI JR BRUNO		DEFECTS EXIST	O 5325

12/03/2015	DEVITO 2300 (MS)	F/T PASSED 320873621
11/19/2015	DEVIOT 2300 KM	FAILED F/T 320873621
05/01/2015	DEVITO 2300 KM	FAILED F/T 320873621
01/17/2006	WOODS/WARSHALL (TS)	F/T PASSED 301946278

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Boiler Details

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB NOW: *Inspections*

Boiler-No: 48934 **Serial-No:** 01 **Type:** MULT DWELL LOW PRESSURE
Boiler Status: ACTIVE **Review Required:** No

Filed At: 2828 WEST 28 STREET **BIN: 3259642 BBL: 3-07011-00011**

Located in: 1ST FLOOR
Make of Boiler: FEDERAL **Year:** 2015
Over6: No **No-of-Boilers:** 04
Fee: Yes **School:** No

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INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
11/04/2016	11/16/2016	03/29/2017	ONECIS INSURANCE		NO DEFECTS	11422
10/01/2014	10/16/2014	10/27/2014	FACTORY MUTUAL		NO DEFECTS	5457
06/19/2012	06/29/2012	09/03/2012	FACTORY MUTUAL		NO DEFECTS	5338
11/10/2011	11/17/2011	05/10/2012	SMITH GEORGE		NO DEFECTS	O 5267
02/02/2011	01/04/2012	01/29/2012	HACHMANN JOHN		NO DEFECTS	O 005273
04/27/2010	06/29/2010	07/06/2010	HACHMANN JOHN		NO DEFECTS	O 005273
10/21/2008	11/27/2009	03/08/2010	MARCHESE PHILIP		NO DEFECTS	P 1575
01/12/2009	02/27/2009	02/27/2009	HACHMANN JOHN		NO DEFECTS	O 005273
11/02/2007	11/16/2007	11/27/2007	SMITH GEORGE		NO DEFECTS	O 5267
04/27/2006	10/05/2006	12/07/2006	TUCCI JR BRUNO		NO DEFECTS	O 5325
08/08/2005	09/21/2005	10/14/2005	TUCCI JR BRUNO		DEFECTS EXIST	O 5325
08/11/2004	08/16/2004	09/10/2004	DINARO JAMES		NO DEFECTS	O 5287
11/07/2002	12/16/2002	12/19/2002	THE HARTFORD STEAM BLR INSP INS		DEFECTS EXIST	2763
11/06/2001	12/19/2001	01/23/2002	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	4081
08/16/2000	12/29/2000	01/16/2001	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	4081
03/16/1999	05/10/1999	05/11/1999	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5246
08/18/1998	11/04/1998	11/06/1998	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5246
12/01/1997	12/24/1997	02/10/1998	BELOKOSTOLSKY DENIS		NO DEFECTS	B 18503
11/12/1997	12/12/1997	02/02/1998	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5128
12/01/1996	12/09/1996	12/09/1996	MURTHA ROBERT		NO DEFECTS	O 5146
07/17/1995	08/24/1995	09/19/1995	MURTHA ROBERT		NO DEFECTS	O 5146
10/05/1994	11/16/1994	12/17/1994	BURGESS RHODINE		NO DEFECTS	B 16664
11/09/1992	02/01/1993	04/15/1993	THE HARTFORD STEAM BOILER		NO DEFECTS	4081
12/22/1992	02/02/1993	04/09/1993	RHODINE BURGESS		NO DEFECTS	B 16664

12/03/2015	DEVITO 2300 (MS)	F/T PASSED 320873621
11/19/2015	DEVITO 2300 KM	FAILED F/T 320873621
05/01/2015	DEVITO 2300 KM	FAILED F/T 320873621
01/17/2006	WOODS/WARSHALL (TS)	F/T PASSED 301946278
08/09/2005	FRANK 1129 (ZJ)	F/T FAILED 301946278

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Boiler Details

Premises: 2828 WEST 28 STREET BROOKLYN **BIN: 3259642 Block: 7011 Lot: 11**

DOB NOW: *Inspections*

Boiler-No: 48934 **Serial-No:** 02 **Type:** MULT DWELL LOW PRESSURE
Boiler Status: ACTIVE **Review Required:** No

Filed At: 2828 WEST 28 STREET **BIN: 3259642 BBL: 3-07011-00011**

Located in: 1ST FLOOR
Make of Boiler: FEDERAL **Year:** 2015
Over6: No **No-of-Boilers:** 04
Fee: No **School:** No

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INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
11/04/2016	11/16/2016	03/29/2017	ONECIS INSURANCE		NO DEFECTS	11422
10/01/2014	10/16/2014	10/27/2014	FACTORY MUTUAL		NO DEFECTS	5457
06/19/2012	06/29/2012	09/03/2012	FACTORY MUTUAL		NO DEFECTS	5338
11/10/2011	11/18/2011	05/12/2012	SMITH GEORGE		NO DEFECTS	O 5267
02/02/2011	01/04/2012	01/29/2012	HACHMANN JOHN		NO DEFECTS	O 005273
04/27/2010	06/29/2010	07/06/2010	HACHMANN JOHN		NO DEFECTS	O 005273
10/21/2008	11/27/2009	03/08/2010	MARCHESE PHILIP		NO DEFECTS	P 1575
01/12/2009	02/27/2009	02/27/2009	HACHMANN JOHN		NO DEFECTS	O 005273
11/02/2007	11/16/2007	11/27/2007	SMITH GEORGE		NO DEFECTS	O 5267
04/27/2006	10/05/2006	12/07/2006	TUCCI JR BRUNO		NO DEFECTS	O 5325
08/08/2005	09/21/2005	10/14/2005	TUCCI JR BRUNO		DEFECTS EXIST	O 5325
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11/07/2002	12/16/2002	12/19/2002	THE HARTFORD STEAM BLR INSP INS		DEFECTS EXIST	2763
11/06/2001	12/19/2001	01/23/2002	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	4081
08/16/2000	12/29/2000	01/16/2001	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	4081
03/16/1999	05/10/1999	05/11/1999	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5246
08/18/1998	11/04/1998	11/06/1998	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5246
12/01/1997	12/24/1997	02/10/1998	BELOKOSTOLSKY DENIS		NO DEFECTS	B 18503
11/12/1997	12/12/1997	02/02/1998	THE HARTFORD STEAM BLR INSP INS		NO DEFECTS	5128
12/01/1996	12/09/1996	12/09/1996	MURTHA ROBERT		NO DEFECTS	O 5146
07/17/1995	08/24/1995	09/19/1995	MURTHA ROBERT		NO DEFECTS	O 5146
10/05/1994	11/16/1994	12/17/1994	BURGESS RHODINE		NO DEFECTS	B 16664
11/09/1992	02/01/1993	04/15/1993	THE HARTFORD STEAM BOILER		NO DEFECTS	4081
12/22/1992	02/02/1993	04/09/1993	RHODINE BURGESS		NO DEFECTS	B 16664

12/03/2015	DEVITO 2300 (MS)	F/T PASSED 320873621
11/19/2015	DEVITO 2300 KM	FAILED F/T 320873621
05/01/2015	DEVITO2300 JR	FIRST TEST SEALED
01/17/2006	WOODS/WARSHALL (TS)	F/T PASSED 301946278
08/09/2005	FRANK 1129 (ZJ)	F/T FAILED 301946278

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***Lot :**	11
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***Premise Street :**	
***Premise Borough :**	-- Select Borough --
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4 records found.

House	Street	Borough	Premise	Owner	Status	ApplicationID
2828	WEST 28 STREET	BROOKLYN		SEA PARK WEST APARTMENTS	Cancelled	CA223890
2828	WEST 28 STREET	BROOKLYN	SEA PARK NORTH LP	SEA PARK NORTH LP % PROGRESSIVE MGMT	CURRENT	CB066205
2828	WEST 28 STREET	BROOKLYN	SEA PARK NORTH LP	SEA PARK LP - PROGESSIVE MANAGEMENT	CURRENT	CB067305

2828	WEST 28 STREET	BROOKLYN		GRENADIER REALTY CORP	Cancelled	CA014693

Please be advised that application numbers starting with 'C' are associated to boilers, 'P' are associated with industrials and 'G' are associated with Gas stations.

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PREMISES: 2828 WEST 28 STREET BROOKLYN BIN: 259642 BLOCK: 07011 LOT: 0011				
Owner: SEA PARK WEST APARTMENTS	**Application #:** CA223890	**Type:** CERTIFICATE TO OPERATE - BOILER	**Expiration Date:** 11/27/2003	
Business Type: NA	**Request Type:** Cancellation	**Status: CANCELLED**	**Submitted Date:** NA	**Decision Date:** 6/8/1990
Boiler Make / Model: FEDERAL ALWG-2-141 / FEDERAL ALWG-2-141	**Fuel Type 1:** NO2FUEL	**Fuel Type 2:** NATURALGAS	**Heat Input (Million BTU/Hr.):** 9.52	
Burner Make / Model: POWERFLAME C4GO30 / POWERFLAME C4GO30	**Number of Identical Units:** 1			
	AKA : 2826 WEST 28 STREET BROOKLYN | 2878 WEST 28 STREET BROOKLYN | WEST 29 STREET BROOKLYN | NEPTUNE AVENUE BROOKLYN			

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PREMISES: 2828 WEST 28 STREET BROOKLYN BIN: 259642 BLOCK: 07011 LOT: 0011				
Owner: SEA PARK NORTH LP	**Application #:** CB066205	**Type:** REGISTRATION - BOILER	**Expiration Date:** 8/5/2023	
Business Type: NA	**Request Type:** Renewal - Boiler	**Status: CURRENT**	**Submitted Date:** 5/29/2020	**Decision Date:** 6/8/2020
Boiler Make / Model: AERCO / BMK 2.0 (NEW)	**Fuel Type 1:** NATURALGAS	**Fuel Type 2:** NONE	**Heat Input (BTU/Hr.):** 2000000	
Burner Make / Model: AERCO / BMK 2.0 (NEW)	**Number of Identical Units:** 2			
	AKA : 2826 WEST 28 STREET BROOKLYN | 2878 WEST 28 STREET BROOKLYN | WEST 29 STREET BROOKLYN | NEPTUNE AVENUE BROOKLYN			

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PREMISES: 2828 WEST 28 STREET BROOKLYN BIN: 259642 BLOCK: 07011 LOT: 0011				
Owner: SEA PARK LP -PROGESSIVE MANAGEMENT	**Application #:** CB067305	**Type:** CERTIFICATE TO OPERATE - BOILER	**Expiration Date:** 1/4/2024	
Business Type: NA	**Request Type:** Inspection Request Renewal CO	**Status: CURRENT**	**Submitted Date:** 3/8/2021	**Decision Date:** 5/19/2021
Boiler Make / Model: FEDERAL / PLW-132	**Fuel Type 1:** NATURALGAS	**Fuel Type 2:** NO2FUEL	**Heat Input (Million BTU/Hr.):** 5.25	
Burner Make / Model: INDUSTRIAL COMBUSTION / MMG-54P	**Number of Identical Units:** 2			
	AKA : 2826 WEST 28 STREET BROOKLYN | 2878 WEST 28 STREET BROOKLYN | WEST 29 STREET BROOKLYN | NEPTUNE AVENUE BROOKLYN			

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PREMISES: 2828 WEST 28 STREET BROOKLYN BIN: 259642 BLOCK: 07011 LOT: 0011				
Owner: GRENADIER REALTY CORP	**Application #:** CA014693	**Type:** REGISTRATION - BOILER	**Expiration Date:** 1/29/1996	
Business Type: NA	**Request Type:** Cancellation - Boiler Registration	**Status:** CANCELLED	**Submitted Date:** NA	**Decision Date:** 1/25/1993
Boiler Make / Model: A.O. SMITH (EXISTING) BTP-400-1000 / A.O. SMITH (EXISTING) BTP-400-1000	**Fuel Type 1:** NATURALGAS	**Fuel Type 2:** NONE	**Heat Input (BTU/Hr.):** 0	
Burner Make / Model: INTEGRAL / INTEGRAL	**Number of Identical Units:** 1			
	AKA : 2826 WEST 28 STREET BROOKLYN | 2878 WEST 28 STREET BROOKLYN | WEST 29 STREET BROOKLYN | NEPTUNE AVENUE BROOKLYN			

APPENDIX G

PROJECT PERSONNEL QUALIFICATIONS

HILLMANN
CONSULTING

Etan Hindin

Senior Project Manager

EDUCATION:

B.S. Biology, Bar Ilan University, Ramat Gan, Israel

CERTIFICATIONS:

US EPA AHERA Asbestos Inspector

New York State Asbestos Project Monitor

New York State Air Sampling Technician

NJDEP GIS Training

Environmental Audit and Site Assessments (Rutgers NJAES)

40-hr OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) Training

8-hr OSHA HAZWOPER Refresher Training

YEARS OF EXPERIENCE:

With Hillmann: 4 year

Total: 14 years

PROFESSIONAL EXPERIENCE:

As a Senior Project and Account Manager, Mr. Etan Hindin advises private and public sector clients on a broad range of environmental projects including due diligence (Phase I and II), regulatory compliance, HSE audits, soil and groundwater remediation, and mold investigations and asbestos surveys. Mr. Hindin is responsible for proposing project services, bidding, managing projects, and meeting with clients.

Mr. Hindin has conducted Phase I's of commercial and industrial sites throughout the country and has provided EH&S consulting to Fortune 500 companies. He is particularly well versed in environmental, health and safety regulations and he strives to provide creative, effective, and efficient solutions to complex environmental problems.

Representative experience includes:

Enviro-Sciences (of Delaware), Inc.: From 2011 to 2018, Mr. Hindin served as a Project Manager at Enviro-Sciences (of Delaware), Inc. where he designed sampling programs, oversaw abatement projects, and performed clearance sampling for mold and asbestos. He also managed environmental due diligence projects of commercial and industrial sites, throughout the US. Mr. Hindin often trained entry-level consultants in database review, report writing, and assessment protocols while working to improve report templates to comply with changing regulations and ASTM standards.

NJDEP Watershed Ambassadors Program: From 2010 to 2011, Mr. Hindin worked as a New Jersey Watershed Ambassador for the NJDEP where he monitored water quality utilizing NJDEP protocols and online reporting software, utilized GIS, NJGeoWeb, and DataMiner to research assigned water bodies and surrounding areas. Mr. Hindin also presented on watershed management, resource conservation, sustainability, and environmental regulations.

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Dominick Aponte

Environmental Scientist

EDUCATION:

B.A. Biological Sciences, Rowan University

CERTIFICATIONS:

40-hr OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) Training

DOT HAZMAT Advanced General Awareness Training

First Aid/CPR Certified

RCRA Hazardous Waste Generator Training

YEARS OF EXPERIENCE:

With Hillmann: 1 year

Total: 4 years

PROFESSIONAL EXPERIENCE:

As an Environmental Scientist, Mr. Aponte advises private and public sector clients on a broad range of environmental projects including due diligence (Phase I and II), regulatory compliance, HSE audits, soil and groundwater remediation, and mold investigations and asbestos surveys.

Mr. Aponte has conducted Phase I's of commercial and industrial sites throughout the country and has provided EH&S consulting to Fortune 500 companies. He is well versed in environmental health and safety regulations and he strives to provide creative, effective, and efficient solutions to complex environmental problems.

Representative experience includes:

RU2 Engineering.: Mr. Aponte worked as an Environmental Scientist for RU2 Engineering where he conducted and oversaw field sampling events for soil and groundwater. In his position, Mr. Aponte was responsible for the oversight of UST closures.

Envocare: Working as an Environmental Scientist for Envocare in Somerset, NJ, Mr. Aponte prepared reports and data tables for clients. He was responsible for field sampling with a concentration on soil, groundwater, and vapor intrusion. Mr. Aponte oversaw subcontractors and remediation projects as well as overseeing disposal of contaminated soil.

Arecon LTD: As an Environmental Scientist for Arecon LTD in Hamilton, NJ, Mr. Aponte prepared reports and data tables for clients. He was responsible for field sampling of soil and groundwater. Mr. Aponte oversaw subcontractors and remediation projects as well as overseeing disposal of contaminated soil.

Certified Environmental Contractors: Mr. Aponte worked as a Staff Scientist for Certified Environmental Contractors from 2017 to 2018 where he supervised the UST excavation of residential UHOT sites. He performed sampling of soil and groundwater and assisted in the preparation of reports.

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Chris Hirschmann, CHMM

Director, Site Investigation & Remediation Services

EDUCATION:

B.S. Environmental Science, Cornell University

M.S., Environmental Science, NJIT – Rutgers University

CERTIFICATION:

OSHA 40-Hour HAZWOPER

OSHA HAZWOPER Supervisor

OSHA 10-Hour Construction

Certified Hazardous Materials Manager (CHMM) #14701

NJDEP Subsurface Evaluator #572258

Hazardous Waste Management Certification

Site Remediation Basics Certification

New York City Office of Environmental Remediation (NYCOER) Brownfield Certification (TurboTraining)

OSHA 30-Hour 1910 General Industry Training

YEARS OF EXPERIENCE:

With Hillmann: 12

Total: 14

PROFESSIONAL EXPERIENCE:

Mr. Hirschmann is currently the Director, Site Investigation & Remediation Services at Hillmann Consulting, LLC. As such, he is responsible for managing and implementing soil, groundwater, and soil vapor subsurface investigations and remediation; regulatory compliance; storage tank closure and install; and third party document review.

Mr. Hirschmann has extensive experience in evaluating and investigating sites for subsurface contamination and instituting remedial activities for commercial and industrial properties (including City & State regulatory & brownfield programs). He also performs SPCC plan preparation and hazardous materials management; and performs Phase I environmental site assessments to meet due diligence requirements under CERCLA, including the quality assurance of technical reports.

Representative experience includes:

The Doe Fund, Bronx, NY:

Identified as a spill case with confirmed soil, groundwater and soil/vapor contamination with the New York State Department of Environmental Conservation (NYSDEC) and brownfield and e-designation site with New York State Office of Environmental Remediation (NYCOER). Mr. Hirschmann functioned as the project director for Hillmann and prepared the remedial investigation work plan (RIWP), conducted remedial investigation activities and prepared a Remedial Investigation Report (RIR). Based on the RIR Hillmann prepared a Remedial Action Work Plan (RAWP) that was subsequently approved by the NYSDEC and NYCOER. Under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities, including implementation of a Community Air Monitoring Plan, during site redevelopment activities.

Women in Need, Brooklyn, NY:

Identified as an e-designation and brownfield case with soil and soil/vapor contamination with NYCOER. Mr. Hirschmann functioned as the project director for Hillmann and prepared the remedial investigation work plan (RIWP), conducted remedial investigation activities and prepared a Remedial Investigation Report (RIR). Based on the RIR Hillmann designed and prepared a Remedial Action Work Plan (RAWP) that was subsequently approved by the NYCOER. Under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities during site redevelopment activities.

TLK Manor, Bronx, NY:

Identified as a contaminated property under the purview of NYCDEP, Hillmann provided investigation and remediation services related to redevelopment activities. Mr. Hirschmann functioned as the project director and conducted the remedial investigation and prepared a Remedial Action Work Plan based on the results of the soil, groundwater and soil/vapor investigation. During redevelopment

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activities, under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities including implementation of a Community Air Monitoring Plan.

BP Real Estate Fund, Queens, NY

Hillmann was retained to address the e-designation on the property for hazardous materials prior to redevelopment activities. Mr. Hirschmann functioned as the project director and prepared a Remedial Investigation Workplan, conducted the Remedial Investigation soil, groundwater and soil vapor sampling activities and issued the Remedial Investigation Report to the NYCOER. The NYCOER subsequently removed the e-designation from the property after review and approval of project documents.

AIG, Bernardsville, NJ:

The Property had a leaking underground storage tank (UST) identified as a spill case with the New Jersey Department of Environmental Protection (NJDEP) and contained widespread soil and groundwater contamination. Hillmann provided investigation and remedial activities at the site including: delineation of soil and groundwater contamination, preparation of remedial action plans for the NJDEP, enhanced fluid recovery for groundwater remediation, injection remediation of groundwater including chemical oxidation material and microbe material to break down and remediate the elevated contaminants found in the groundwater. Mr. Hirschmann was the project manager and NJDEP certified Subsurface Evaluator for the remedial activities.

City of Newark, New Jersey:

Hillmann provided investigation and remediation activities for five City owned brownfield properties. Mr. Hirschmann functioned as the project manager for oversight, design, implementation and management of soil and groundwater remedial investigations at the properties.

Unique People Services, Bronx, New York

Identified as a contaminated property under the purview of NYCDEP, Hillmann provided investigation and remediation services related to redevelopment activities. Mr. Hirschmann functioned as the project director and conducted the remedial investigation and prepared a Remedial Action Work Plan based on the results of the soil, groundwater and soil/vapor investigation. During redevelopment activities, under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities including implementation of a Community Air Monitoring Plan.

Notias Construction, NY, NY:

Hillmann provided environmental investigation activities for 5 separate sites in Manhattan, NY. Mr. Hirschmann functioned as the project manager and prepared Phase II Investigation workplans for soil and soil-vapor sampling, directed site investigation activities and prepared Remedial Investigation Reports for each site. Where

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contamination was identified, Mr. Hirschmann prepared Remedial Action Work Plans for slated redevelopment activities.

AIG: Northeastern States: Hillmann provides ongoing environmental consulting for this client including decommissioning of fuel oil storage tanks, investigation and remediation of fuel oil contaminated soil and groundwater. Mr. Hirschmann provides third-party oversight on behalf of this client to ensure the contractors/consultants onsite are performing project activities in accordance with industry and regulatory protocol. When applicable on certain projects, Mr. Hirschmann will also direct full remedial investigation and remedial activities as the project manager.

APPENDIX D

OER Remedial Investigation Sampling Logs and Forms

RXSB-1/RXMW-1

Client:	Site:	Project Number:
Sea Park GTH LLC	Sea Park North	3868.0001Y000
Address:	**City/State:**	**Logged By:**
2828 W 28th Street	Brooklyn, NY	E. Lovekamp

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
9/10/2024 - 9/12/2024	Coastal Environmental Solutions	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
14 feet	Soil Cuttings	2-inches	
Area:	**Elevation:**	**Latitude:**	**Longitude:**
Brooklyn, New York	5.48	149698.09	985678.01

Well Depth:	Well Dia./Materials:	Screen Interval:	Screen Slot Size:	Sand/Filter Pack Size:	Annular Seal:
14 feet	2-inch PVC	4-14 feet	20-Slot	Morie #2	Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	J-Plug	TOPS		TOPSOIL.			0.1	Handcleared to 6' bls
	Bentonite Seal	MIXD		Light brown, fine SAND, trace brick, fine gravel, organics (roots) (FILL); moist.			0.1	Soil sample RXSB-1_0-2 collected for full list of analytical parameters
		MIXD		Light brown, fine SAND, little fine to medium Gravel, trace glass, brick, and asphalt (FILL); moist.			0.1	
	Schedule 40, PVC Riser	MIXD		Light brown, fine SAND, little fine to medium Gravel, Brick, trace glass and asphalt (FILL); moist.	G	6	0.0	
		MIXD		Light brown, fine SAND, little fine Gravel and Brick, trace organics (roots) and asphalt (FILL); moist.			0.0	
5		MIXD		Light brown, fine SAND, little fine Gravel and Brick, trace asphalt (FILL); moist.			0.0	Soil sample RXSB-1_4-6 collected for full list of analytical parameters
	GROUND WATER LEVEL 9/13/2024	SP		Greyish brown, fine to medium SAND; moist.			0.0	
		SP		Grey, fine to medium SAND; wet.		4	0.0	
	Sand Morie #2			Dark grey, fine to medium SAND; wet.				
10	Schedule 40, 20-slot PVC Screen	SP					0.1	
						4		

Bottom of borehole at 14 feet

ROUX STANDARD LOG - 10/14/24 13:02 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSB-10

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/9/2024 - 9/9/2024	Contractor: Coastal Environmental Solutions	Drill Type: Hand Auger	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 6 feet	Backfill: Soil Cuttings	Borehole Diameter: 4-in.	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

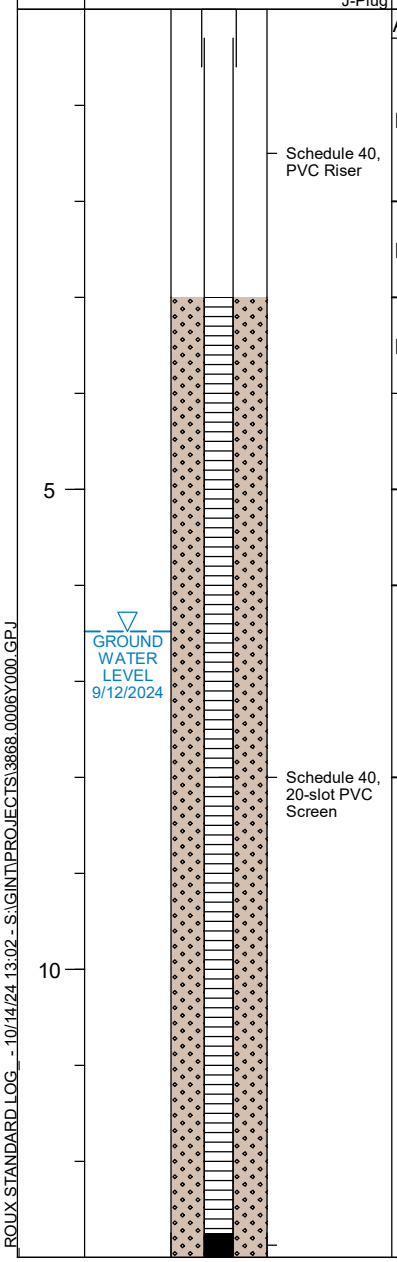
Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Handcleared to 6' bls
	MIXD		Brown, fine SAND, little Brick and Asphalt, trace ceramic, cobble, and fine gravel (FILL); moist.			0.0	
	MIXD		Brown, fine SAND, little Brick and Asphalt, trace cobble and fine gravel (FILL); moist.			0.1	Soil sample RXSB-10_0-2 and duplicate sample DUP_090924 collected for full list of analytical parameters
	MIXD		Brown, fine SAND, trace brick, asphalt, and fine to medium gravel (FILL); moist.			0.1	
	MIXD		Brown, fine SAND, trace brick, asphalt, fine to medium gravel, and cobble (FILL); moist.	G	6	0.0	
	MIXD		Brown, fine SAND, trace ceramics, brick, and fine to medium gravel (FILL); moist.			0.0	
5	SP		Grey, fine SAND, trace medium sand and fine gravel; moist.			0.1	Soil sample RXSB-10_4-6 collected for full list of analytical parameters
			Bottom of borehole at 6 feet				

ROUX STANDARD LOG - 10/14/24 13:02 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSB-2/RXTW-2

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000	
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp	
Start to Finish Date: 9/10/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 13 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Well Depth:	Well Dia./Materials:	Screen Interval:	Screen Slot Size:	Sand/Filter Pack Size:	Annular Seal:
13 feet	1-inch PVC	3-13 feet	20-Slot	Morie #2	Bentonite



Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	Handcleared to 6' bls
	MIXD		Brown, fine to medium SAND, little fine Gravel and Brick, trace asphalt, wire, glass, and cobble (FILL); moist.				Soil sample RXSB-2_0-2 collected for full list of analytical parameters
	MIXD		Light Brown, fine SAND, trace brick, glass, asphalt, and fine gravel (FILL); moist.			0.0	
	MIXD		Grey, fine SAND, trace fine to medium gravel, cobble, and glass (FILL); moist.	G	6	0.0	
	SP		Grey, fine SAND, trace fine to medium gravel; moist.			0.0	
5	SP		Lightgrey, fine SAND, trace fine gravel; moist.			0.0	Soil sample RXSB-2_4-6 collected for full list of analytical parameters
	SP		Light grey, fine SAND, little medium Sand; wet.			0.1	
	SP		Dark grey, fine SAND, little medium Sand; wet.		3.5	0.1	
10	SP				3	0.0	

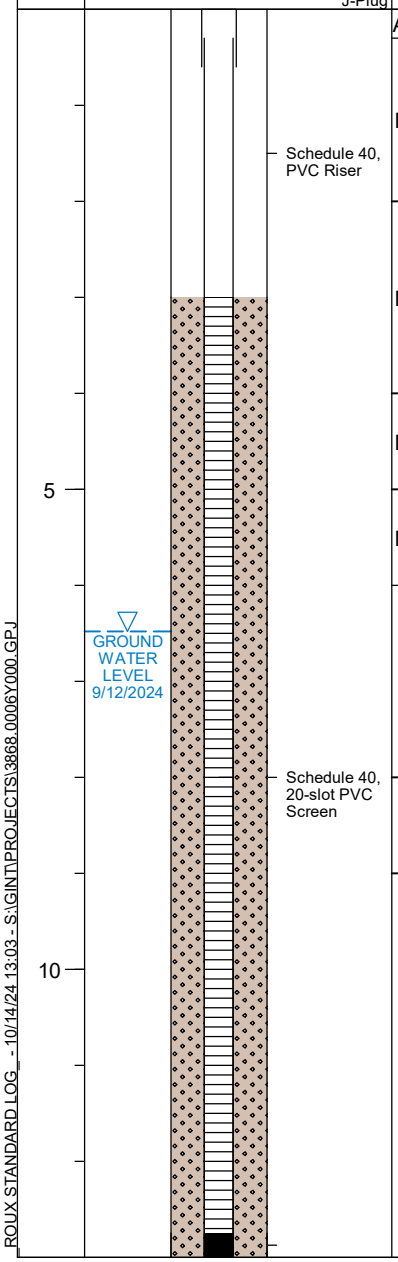
Bottom of borehole at 13 feet

ROUX STANDARD LOG - 10/14/24 13:02 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSB-3/RXTW-3

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000	
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp	
Start to Finish Date: 9/9/2024 - 9/12/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 13 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Well Depth:	Well Dia./Materials:	Screen Interval:	Screen Slot Size:	Sand/Filter Pack Size:	Annular Seal:
13 feet	1-inch PVC	3-13 feet	20-Slot	Morie #2	Bentonite



Depth (ft)	USCS	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH	ASPHALT			0.0	Handcleared to 6' bls
	MIXD	Brown, fine to medium SAND, little Brick, Asphalt, and Cobble, trace ceramic and fine gravel (FILL); moist.			0.0	Soil sample RXSB-3_0-2 collected for full list of analytical parameters
	MIXD	Brown, fine to medium SAND, little Brick and Asphalt, trace cobble and glass (FILL); moist.	G	6	0.1 0.0	
	MIXD	Brown, fine to medium SAND, little Brick and fine to medium Gravel, trace cobble and glass (FILL); moist.			0.0	
5	MIXD	Grey, fine SAND, trace brick and fine gravel (FILL); moist.			0.1	Soil sample RXSB-3_4-6 collected for full list of analytical parameters
	SP	Grey, fine to medium SAND; wet.			0.0	
	SP	Grey, fine SAND; wet.		3.5	0.2	
	SP	Dark grey, fine SAND; wet.			0.2 0.1	
10				3		

Bottom of borehole at 13 feet

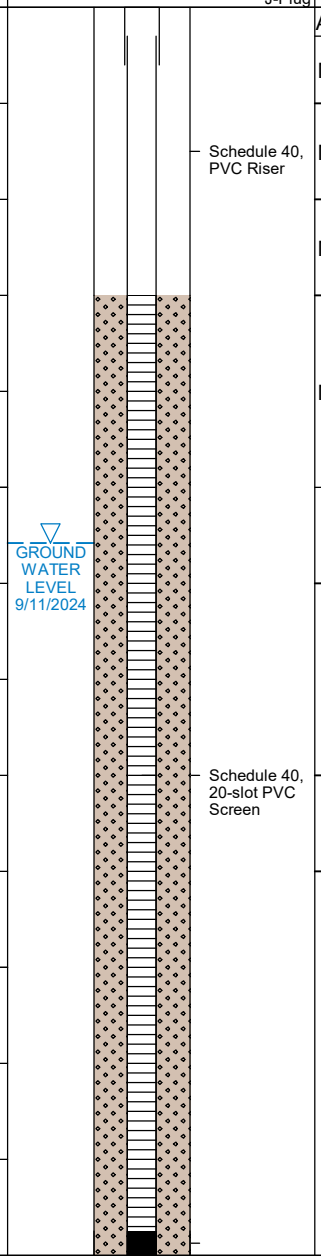
ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSB-4/RXTW-4

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/10/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 13 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Well Depth: 13 feet	Well Dia./Materials: 1-inch PVC	Screen Interval: 3-13 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Bentonite



Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.1	Handcleared to 6' bls
	MIXD		Dark brown, fine to medium SAND, little Asphalt, Brick, and medium to coarse Gravel (FILL); moist.			0.1	
	MIXD		Dark brown, fine to medium SAND, little Asphalt, Brick, and medium to coarse Gravel, trace concrete and cobble (FILL); moist.			0.0	Soil Sample RXSB-4_0-2 collected for full list of analytical parameters
	MIXD		Brown, fine SAND, little Brick, Cobble, and medium to coarse Gravel, trace asphalt (FILL); moist.	G	6	0.1	
	MIXD		Brown, fine SAND, trace brick, cobble, organics (roots), and plastic (FILL); moist.			0.0	
5	SP		Light grey, fine SAND, trace fine gravel; moist.			0.1	Soil sample RXSB-4_4-6 collected for full list of analytical parameters
	SP		Greyish brown, fine to medium SAND; wet.			0.2	
	SP		Light grey, fine to medium SAND; wet.		3.5	0.2	
	SP		Dark grey, fine to medium SAND; wet.			0.1	
10	SP				3		

Bottom of borehole at 13 feet

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSB-5/RXMW-5

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/9/2024 - 9/12/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 14 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: 6.23	Latitude: 149362.33	Longitude: 985682.58

Well Depth: 14 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 4-14 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	J-Plug	ASPH		ASPHALT.			0.0	Handcleared to 6' bls
	Bentonite Seal	MIXD		Brown, fine SAND, little Cobble, trace asphalt and brick (FILL); moist.			0.2	Soil sample RXSB-5_0-2 collected for full list of analytical parameters; RXSB-5_0-2_P collected for PFAS
	Schedule 40, PVC Riser	MIXD		Brown, fine SAND, little Brick, trace organics and fine gravel (FILL); moist.	G	6	0.1	
		MIXD		Brown, fine SAND, little Wood, trace brick and fine to medium gravel (FILL); moist.			0.0	
5		SPG		Grey, fine SAND, little fine Gravel; moist.			0.1	Soil sample RXSB-5_4-6 collected for full list of analytical parameters
	GROUND WATER LEVEL 9/13/2024	SP		Greyish brown, fine to medium SAND, trace fine gravel; moist.			0.1	
		SP		Grey, fine to medium SAND; wet.		4	0.1	
	Sand Morie #2 Schedule 40, 20-slot PVC Screen							
10		SP		Dark grey, fine to medium SAND; wet.			0.1	
						4		

Bottom of borehole at 14 feet

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSB-6/RXMW-6

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/10/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 13 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: 5.75	Latitude: 149605.82	Longitude: 985602.2

Well Depth: 13 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 3-13 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	J-Plug	ASPH		ASPHALT.			0.1	Handcleared to 6' bls
	Bentonite Seal	MIXD		Brown, fine SAND, some medium to coarse Gravel, little Brick and Asphalt (FILL); moist.			0.1	
	Schedule 40, PVC Riser	MIXD		Brown, fine SAND, little medium to coarse Gravel, Brick, and Asphalt (FILL); moist.	G	5	0.1	Soil sample RXSB-6_0-2 collected for full list of analytical parameters
		MIXD		Grey, fine SAND, little medium to coarse Gravel, trace asphalt and brick (FILL); moist.			0.1	
		MIXD		Greyish brown, fine SAND, trace fine to medium gravel, brick, and asphalt (FILL); moist.			0.1	
5		MIXD		Greyish brown, fine SAND, trace brick, fine to medium gravel, and glass (FILL); moist.			0.1	Soil sample RXSB-6_4-6 collected for full list of analytical parameters
	GROUND WATER LEVEL 9/12/2024	SP		Greyish brown, fine to medium SAND; moist.			0.1	
	Sand Morie #2 Schedule 40, 20-slot PVC Screen	SP		Light grey, fine to medium SAND; wet.		3	0.1	
		SP		Dark grey, fine to medium SAND; wet.			0.0	
10						3		

Bottom of borehole at 13 feet

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSB-7/RXSV-7

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000	
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp	
Start to Finish Date: 9/10/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Hand Auger	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 6 feet	Backfill: Soil Cuttings	Borehole Diameter: 4-in.	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	Handcleared to 6' bls
	MIXD		Light brown, fine SAND, some medium to coarse Gravel, little Brick, trace wood, plastic, and asphalt (FILL); moist.			0.0	
	MIXD		Light brown, fine SAND, some medium to coarse Gravel, trace brick and concrete (FILL); moist.			0.0	Soil sample RXSB-7_0-2 collected for full list of analytical parameters
	MIXD		Light brown, fine SAND, little medium to coarse Gravel, trace brick and concrete (FILL); moist.			0.0	
	MIXD		Light brown, fine SAND, little medium to coarse Gravel, trace brick and plastic (FILL); moist.	G	6	0.0	RXSV-7 soil vapor point installed at 3' bls
	MIXD					0.0	
5	MIXD		Brown, fine SAND, trace brick, wood, plastic, and medium to fine gravel (FILL); moist.			0.0	Soil sample RXSB-7_4-6 collected for full list of analytical parameters

Bottom of borehole at 6 feet

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSB-8/RXSV-8

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000	
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp	
Start to Finish Date: 9/9/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Hand Auger	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 6 feet	Backfill: Soil Cuttings	Borehole Diameter: 4-in.	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Handcleared to 6' bls
	MIXD		Light grey, fine SAND, trace asphalt, brick, and cobble (FILL): moist.			0.0	
	MIXD		Light grey, fine SAND, little fine to medium gravel, trace asphalt and brick (FILL); moist.			0.0	Soil sample RXSB-8_0-2 collected for full list of analytical parameters
	MIXD		Dark grey, fine to medium SAND, trace brick, asphalt, and cobble (FILL); moist.	G	6	0.0	RXSV-8 soil vapor point installed at 3' bls
	MIXD		Grey, fine SAND, little fine to medium Gravel, trace brick and asphalt (FILL); moist.			0.0	
5	SP		Light grey, fine SAND, trace fine gravel; moist.			0.0	RXSB-8_4-6 collected for full list of analytical parameters
			Bottom of borehole at 6 feet				

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSB-9

Client:	Site:	Project Number:
Sea Park GTH LLC	Sea Park North	3868.0001Y000
Address:	**City/State:**	**Logged By:**
2828 W 28th Street	Brooklyn, NY	E. Lovekamp

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
9/9/2024 - 9/9/2024	Coastal Environmental Solutions	Hand Auger	2" Hand Auger
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
6 feet	Soil Cuttings	4-in.	
Area:	**Elevation:**	**Latitude:**	**Longitude:**
Brooklyn, New York	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Handcleared to 6' bls
	MIXD		Grey, fine SAND, little Brick and Asphalt, trace cobble (FILL); moist.			0.0	
	MIXD		Grey, fine SAND, little Brick and Asphalt, trace cobble and concrete (FILL); moist.			0.0	Soil sample RXSB-9_0-2 collected for full list of analytical parameters
	MIXD		Dark grey, fine to medium SAND, little Brick and Asphalt, trace concrete (FILL); moist.	G	6	0.1 0.0	
5	MIXD		Brown, fine to medium SAND, little Brick and fine to medium Gravel, trace asphalt (FILL); moist.			0.0 0.0	Soil sample RXSB-9_4-6 collected for full list of analytical parameters
			Bottom of borehole at 6 feet				

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSV-1

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/9/2024 - 9/12/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 3 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	TOPS		TOPSOIL.				
1	MIXD		Light brown, fine SAND, trace brick, fine gravel, organics (roots) (FILL); moist.		3		RXSV-1 soil vapor point installed at 3' bls
2	MIXD		Light brown, fine SAND, little fine to medium Gravel, trace glass, brick, and asphalt (FILL); moist.				

Bottom of borehole at 3 feet

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSV-2

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/9/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 3 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1	MIXD		Brown, fine to medium SAND, little fine Gravel and Brick, trace asphalt, wire, glass, and cobble (FILL); moist.		3		RXSV-2 soil vapor point installed at 3' bls
2	MIXD		Light brown, fine SAND, trace brick, glass, asphalt, and fine gravel (FILL); moist.				

Bottom of borehole at 3 feet

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSV-3

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/9/2024 - 9/12/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 3 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1	MIXD		Brown, fine to medium SAND, little Brick, Asphalt, and Cobble, trace ceramic and fine gravel (FILL); moist.		3		RXSV-3 soil vapor point installed at 3' bls
2	MIXD		Brown, fine to medium SAND, little Brick and Asphalt, trace cobble and glass (FILL); moist.				

Bottom of borehole at 3 feet

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSV-4

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/9/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 3 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Dark brown, fine to medium SAND, little Asphalt, Brick, and medium to coarse Gravel (FILL); moist.				
1							
	MIXD		Dark brown, fine to medium SAND, little Asphalt, Brick, and medium to coarse Gravel, trace concrete and cobble (FILL); moist.		3		RXSV-4 soil vapor point installed at 3' bls
2							
	MIXD		Brown, fine SAND, little Brick, Cobble, and medium to coarse Gravel, trace asphalt (FILL); moist.				

Bottom of borehole at 3 feet

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSV-5

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/9/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Geoprobe	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 3 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1	MIXD		Brown, fine SAND, little Cobble, trace asphalt and brick (FILL); moist.		3		RXSV-5 soil vapor point installed at 3' bls
2	MIXD		Brown, fine SAND, little Brick, trace organics and fine gravel (FILL); moist.				

Bottom of borehole at 3 feet

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSV-6

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/10/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Hand Auger	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 5 feet	Backfill: Soil Cuttings	Borehole Diameter: 4-in.	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Brown, fine to medium SAND, some medium to coarse Gravel, trace brick, asphalt, and cobble (FILL); moist.			0.0	
1	MIXD		Brown, fine to medium SAND, little medium to coarse Gravel, trace brick, asphalt, and cobble (FILL); moist.			0.0	
2	MIXD		Brown, fine to medium SAND, little fine to medium Gravel, trace brick, glass, and cobble (FILL); moist.	G	5	0.0	
3	MIXD		Light brown, fine to medium SAND, trace brick, wood, and fine gravel (FILL); moist.			0.0	RXSV-6 soil vapor point installed at 3' bls
4	MIXD		Brown, medium to coarse SAND, little fine Gravel, trace asphalt, wood, and brick (FILL); moist.			0.0	
			Bottom of borehole at 5 feet				

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

RXSV-9

Client: Sea Park GTH LLC	Site: Sea Park North	Project Number: 3868.0001Y000
Address: 2828 W 28th Street	City/State: Brooklyn, NY	Logged By: E. Lovekamp

Start to Finish Date: 9/10/2024 - 9/11/2024	Contractor: Coastal Environmental Solutions	Drill Type: Hand Auger	Sampler Type/Method: 2" Hand Auger
Borehole Depth: 6 feet	Backfill: Soil Cuttings	Borehole Diameter: 4-in.	DTW:
Area: Brooklyn, New York	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Brown, fine to medium SAND, little Brick and Asphalt, trace concrete, glass, and ceramic (FILL); moist.			0.0	
	MIXD		Brown, fine to medium SAND, little Wood, trace brick and asphalt (FILL); moist.	G	6	0.0	RXSV-9 soil vapor point installed at 3' bls
5	MIXD		Brown, fine to medium SAND, little Brick, trace wood (FILL); moist.			0.0	
			Bottom of borehole at 6 feet			0.0	

ROUX STANDARD LOG - 10/14/24 13:03 - S:\GINT\PROJECTS\3868.0006Y000.GPJ

Well Sampling Data Form

Client: Sea Park North **Project Number:** 3868.0006Y000

Site Location: 2828 W 28th St, Brooklyn, New York

Well No: RXMW-1 Weather: 74 F, Partly Cloudy, P 30.26"

Date: 9/13/2024 Purge Water Disposal: 55-Gal Drum

Sampled By: EL Well Diameter / Type: 2" Flush-mount

Depth of Well (ft): 12.25 Water Column (ft): 6.25

Depth to Water(ft): 6.00 Volume of Water in Well (gal) 1.09

Depth to Product (ft): - Volume of Water to Remove (gal): -

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 11:23 Purge Rate (ml/min): 200

End Purging: 11:52 Volume of Water Removed (gal): 1.25

Method of Purge: Peri-Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear, No Odor

Samples Collected: (analyses / no. bottles) RXMW-1 and RXMW-1_P; TCL + 30/TAL + ECs

Time: 12:05 Laboratory : Eurofins

Field Measurements:

Time	**DTW** ft	**Flow Rate** ml/min	**ORP** mV (+/- 10 mV)	**Conductivity** **mS/m** - S/m **(w/in 3%)**	**Turbidity** NTU (w/in %10)	**pH** SU (+/- 0.1)	**Temperature** C^o - F^o **(w/in 3%)**	**Dissolved O_2** mg/L (w/in 10%)
11:27	6.00	200	59	1.54	22.5	7.42	22.64	2.99
11:32	6.00	200	28	1.67	14.1	7.08	22.31	0.98
11:37	6.00	200	24	1.73	10.1	7.07	22.11	0.75
11:42	6.00	200	24	1.73	10.2	7.07	22.02	0.68
11:47	6.00	200	25	1.75	8.9	7.06	21.97	0.65
11:52	6.00	200	24	1.76	8.7	7.06	21.98	0.65

Well Sampling Data Form

Client: Sea Park North **Project Number:** 3868.0006Y000

Site Location: 2828 W 28th St, Brooklyn, New York

Well No: RXTW-2 Weather: 72 F, Partly Cloudy, P 30.27"

Date: 9/12/2024 Purge Water Disposal: 55-Gal Drum

Sampled By: EL Well Diameter / Type: 1" Temp

Depth of Well (ft): 12.65 Water Column (ft): 6.17

Depth to Water(ft): 6.48 Volume of Water in Well (gal) 0.25

Depth to Product (ft): - Volume of Water to Remove (gal): -

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 11:50 Purge Rate (ml/min): 200

End Purging: 12:23 Volume of Water Removed (gal): 1.25

Method of Purge: Peri-Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear, No Odor

Samples Collected: (analyses / no. bottles) RXTW-2; TCL + 30/TAL

Time: 12:30 Laboratory : Eurofins

Field Measurements:

Time	**DTW** ft	**Flow Rate** ml/min	**ORP** mV (+/- 10 mV)	**Conductivity** **mS/m** - S/m **(w/in 3%)**	**Turbidity** NTU (w/in %10)	**pH** SU (+/- 0.1)	**Temperature** C^o - F^o **(w/in 3%)**	**Dissolved O_2** mg/L (w/in 10%)
11:55	6.50	200	-51	0.653	51.3	6.68	28.21	1.02
12:00	6.52	200	-89	0.673	51.1	6.63	27.72	0.72
12:05	6.52	200	-120	0.678	45.1	6.61	27.31	0.59
12:10	6.52	200	-149	0.685	42.4	6.60	27.11	0.52
12:15	6.52	200	-163	0.686	29.0	6.60	27.09	0.48
12:20	6.52	200	-168	0.686	29.9	6.59	27.13	0.44

Well Sampling Data Form

Client: Sea Park North **Project Number:** 3868.0006Y000

Site Location: 2828 W 28th St, Brooklyn, New York

Well No: RXTW-3 Weather: 68 F, Partly Cloudy, P 30.26"

Date: 9/12/2024 Purge Water Disposal: 55-Gal Drum

Sampled By: EL Well Diameter / Type: 1" Temp

Depth of Well (ft): 12.15 Water Column (ft): 5.67

Depth to Water(ft): 6.48 Volume of Water in Well (gal) 0.23

Depth to Product (ft): - Volume of Water to Remove (gal): -

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:55 Purge Rate (ml/min): 200

End Purging: 9:25 Volume of Water Removed (gal): 1.25

Method of Purge: Peri-Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear, No Odor

Samples Collected: (analyses / no. bottles) RXTW-3; TCL + 30/TAL

Time: 9:35 Laboratory : Eurofins

Field Measurements:

Time	**DTW** ft	**Flow Rate** ml/min	**ORP** mV (+/- 10 mV)	**Conductivity** **mS/m** - S/m **(w/in 3%)**	**Turbidity** NTU (w/in %10)	**pH** SU (+/- 0.1)	**Temperature** C^o - F^o **(w/in 3%)**	**Dissolved O_2** mg/L (w/in 10%)
09:00	6.50	200	-241	0.629	71.6	6.83	22.72	1.05
09:05	6.51	200	-252	0.641	28.4	6.79	22.82	0.83
09:10	6.51	200	-253	0.653	21.9	6.78	22.87	0.66
09:15	6.51	200	-243	0.660	8.8	6.76	22.95	0.56
09:20	6.51	200	-242	0.657	8.2	6.76	22.96	0.52
09:25	6.51	200	-239	0.656	8.1	6.75	23.00	0.48

Well Sampling Data Form

Client: Sea Park North **Project Number:** 3868.0006Y000

Site Location: 2828 W 28th St, Brooklyn, New York

Well No: RXTW-4 Weather: 74 F, Partly Cloudy, P 30.20"

Date: 9/11/2024 Purge Water Disposal: 55-Gal Drum

Sampled By: EL Well Diameter / Type: 1" Temp

Depth of Well (ft): 12.26 Water Column (ft): 6.68

Depth to Water(ft): 5.58 Volume of Water in Well (gal) 0.27

Depth to Product (ft): - Volume of Water to Remove (gal): -

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 12:55 Purge Rate (ml/min): 200

End Purging: 13:33 Volume of Water Removed (gal): 1.25

Method of Purge: Peri-Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear, No Odor

Samples Collected: (analyses / no. bottles) RXTW-4; TCL + 30/TAL

Time: 13:40 Laboratory : Eurofins

Field Measurements:

Time	**DTW** ft	**Flow Rate** ml/min	**ORP** mV (+/- 10 mV)	**Conductivity** **mS/m** - S/m **(w/in 3%)**	**Turbidity** NTU (w/in %10)	**pH** SU (+/- 0.1)	**Temperature** C^o - F^o **(w/in 3%)**	**Dissolved O_2** mg/L (w/in 10%)
13:00	5.64	200	-324	0.607	90.2	6.82	25.13	0.89
13:05	5.64	200	-383	0.741	90.5	6.76	23.01	0.68
13:10	5.64	200	-383	0.738	58.0	6.74	22.73	0.61
13:15	5.64	200	-374	0.760	39.6	6.73	22.83	0.57
13:20	5.64	200	-368	0.776	37.4	6.73	22.89	0.52
13:25	5.64	200	-361	0.791	35.1	6.72	22.59	0.48

Well Sampling Data Form

Client: Sea Park North **Project Number:** 3868.0006Y000

Site Location: 2828 W 28th St, Brooklyn, New York

Well No: RXMW-5 Weather: 75 F, Partly Cloudy, P 30.25"

Date: 9/13/2024 Purge Water Disposal: 55-Gal Drum

Sampled By: EL Well Diameter / Type: 2" Flush-mount

Depth of Well (ft): 13.65 Water Column (ft): 6.75

Depth to Water(ft): 6.90 Volume of Water in Well (gal) 1.10

Depth to Product (ft): - Volume of Water to Remove (gal): -

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 12:50 Purge Rate (ml/min): 200

End Purging: 13:21 Volume of Water Removed (gal): 1.25

Method of Purge: Peri-Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear, No Odor

Samples Collected: (analyses / no. bottles) RXMW-5 and RXMW-5_P; TCL + 30/TAL + ECs

MS/MSD Triplicate

Time: 13:30 Laboratory : Eurofins

Field Measurements:

Time	**DTW** ft	**Flow Rate** ml/min	**ORP** mV (+/- 10 mV)	**Conductivity** **mS/m** - S/m **(w/in 3%)**	**Turbidity** NTU (w/in %10)	**pH** SU (+/- 0.1)	**Temperature** C^o - F^o **(w/in 3%)**	**Dissolved O_2** mg/L (w/in 10%)
12:55	6.90	200	11	2.28	40.9	6.91	22.99	1.70
13:00	6.90	200	-11	2.31	20.6	6.72	22.26	0.86
13:05	6.90	200	-28	2.36	29.8	6.68	21.27	0.64
13:10	6.90	200	-45	2.39	18.4	6.67	21.01	0.52
13:15	6.90	200	-55	2.39	11.8	6.66	20.93	0.49
13:18	6.90	200	-61	2.38	11.2	6.66	20.90	0.46

Well Sampling Data Form

Client: Sea Park North **Project Number:** 3868.0006Y000

Site Location: 2828 W 28th St, Brooklyn, New York

Well No: RXMW-6 Weather: 74 F, Partly Cloudy, P 30.25"

Date: 9/12/2024 Purge Water Disposal: 55-Gal Drum

Sampled By: EL Well Diameter / Type: 2" Flush-mount

Depth of Well (ft): 12.63 Water Column (ft): 6.28

Depth to Water(ft): 6.35 Volume of Water in Well (gal) 1.02

Depth to Product (ft): - Volume of Water to Remove (gal): -

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 13:00 Purge Rate (ml/min): 200

End Purging: 13:40 Volume of Water Removed (gal): 1.25

Method of Purge: Peri-Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear, No Odor

Samples Collected: (analyses / no. bottles) RXMW-6 and RXMW-6_P; TCL + 30/TAL + ECs

DUP_09122024

Time: 13:45 Laboratory : Eurofins

Field Measurements:

Time	**DTW** ft	**Flow Rate** ml/min	**ORP** mV (+/- 10 mV)	**Conductivity** **mS/m** - S/m **(w/in 3%)**	**Turbidity** NTU (w/in %10)	**pH** SU (+/- 0.1)	**Temperature** C^o - F^o **(w/in 3%)**	**Dissolved O_2** mg/L (w/in 10%)
13:10	6.36	200	25	1.82	81.3	7.23	29.37	1.07
13:15	6.36	200	-125	2.16	60.0	6.71	28.67	0.49
13:20	6.36	200	-141	2.23	55.4	6.69	28.33	0.45
13:25	6.36	200	-155	2.32	48.1	6.68	27.83	0.43
13:30	6.36	200	-161	2.40	43.9	6.65	27.24	0.40
13:33	6.36	200	-158	2.40	41.1	6.66	26.99	0.39

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes
Sampling Depth: 3 feet
Sealed at land surface : Yes
Purge Rate: 0.2 L/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: 3.6%
Helium Rate from sample tubing: 0% Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30 in. of Hg		
Starting Time:	9:12	**Date:**	9/13/2024
Ending Time:	11:12	**Date:**	9/13/2024
Ending Pressure:	-10 in. of Hg		

Summa Canister Identification #: 34001296
Flow Regulator ID #: 3490
Sample ID #: RXSV-1
Analysis TO-15
Laboratory Eurofins

Comments
None

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes
Sampling Depth: 3 feet
Sealed at land surface : Yes
Purge Rate: 0.2 L/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: 3.7%
Helium Rate from sample tubing: 0% Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30 in. of Hg
Starting Time: 8:51 **Date:** 9/13/2024
Ending Time: 10:51 **Date:** 9/13/2024
Ending Pressure: -8 in. of Hg

Summa Canister Identification #: 2540
Flow Regulator ID #: 6228
Sample ID #: RXSV-2
Analysis TO-15
Laboratory Eurofins

Comments
None

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	3 feet	
Sealed at land surface :	Yes	
Purge Rate:	0.2 L/min	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	4.2%	
Helium Rate from sample tubing:	0%	Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30 in. of Hg		
Starting Time:	9:07	**Date:**	9/13/2024
Ending Time:	11:00	**Date:**	9/13/2024
Ending Pressure:	-3 in. of Hg		

Summa Canister Identification #:	34000143
Flow Regulator ID #:	6156
Sample ID #:	RXSV-3
Analysis	TO-15
Laboratory	Eurofins

Comments
None

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes
Sampling Depth: 3 feet
Sealed at land surface : Yes
Purge Rate: 0.2 L/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: 5.8%
Helium Rate from sample tubing: 0% Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30 in. of Hg		
Starting Time:	9:00	**Date:**	9/13/2024
Ending Time:	11:00	**Date:**	9/13/2024
Ending Pressure:	-8 in. of Hg		

Summa Canister Identification #: 3210
Flow Regulator ID #: 4490
Sample ID #: RXSV-4
Analysis TO-15
Laboratory Eurofins

Comments
None

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	3 feet	
Sealed at land surface :	Yes	
Purge Rate:	0.2 L/min	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	4.9%	
Helium Rate from sample tubing:	0%	Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30 in. of Hg		
Starting Time:	9:09	**Date:**	9/13/2024
Ending Time:	11:09	**Date:**	9/13/2024
Ending Pressure:	-8 in. of Hg		

Summa Canister Identification #:	5714
Flow Regulator ID #:	4058
Sample ID #:	RXSV-5
Analysis	TO-15
Laboratory	Eurofins

Comments
None

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	3 feet	
Sealed at land surface :	Yes	
Purge Rate:	0.2 L/min	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	4.9%	
Helium Rate from sample tubing:	0%	Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30 in. of Hg		
Starting Time:	12:40	**Date:**	9/13/2024
Ending Time:	14:40	**Date:**	9/13/2024
Ending Pressure:	-6 in. of Hg		

Summa Canister Identification #:	3012
Flow Regulator ID #:	9164
Sample ID #:	DUP_09132024
Analysis	TO-15
Laboratory	Eurofins

Comments
None

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes
Sampling Depth: 3 feet
Sealed at land surface : Yes
Purge Rate: 0.2 L/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: 3.4%
Helium Rate from sample tubing: 0% Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -24 in. of Hg
Starting Time: 8:57 **Date:** 9/13/2024
Ending Time: 10:55 **Date:** 9/13/2024
Ending Pressure: -4 in. of Hg

Summa Canister Identification #: 2739
Flow Regulator ID #: 4048
Sample ID #: RXSV-6
Analysis TO-15
Laboratory Eurofins

Comments
None

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes
Sampling Depth: 3 feet
Sealed at land surface : Yes
Purge Rate: 0.2 L/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: 2.8%
Helium Rate from sample tubing: 0% Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30 in. of Hg		
Starting Time:	9:03	**Date:**	9/13/2024
Ending Time:	11:03	**Date:**	9/13/2024
Ending Pressure:	-10 in. of Hg		

Summa Canister Identification #: 9267
Flow Regulator ID #: 3133
Sample ID #: RXSV-7
Analysis TO-15
Laboratory Eurofins

Comments
None

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	3 feet	
Sealed at land surface :	Yes	
Purge Rate:	0.2 L/min	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	2.7%	
Helium Rate from sample tubing:	0%	Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure:	-30 in. of Hg		
Starting Time:	8:47	**Date:**	9/13/2024
Ending Time:	10:47	**Date:**	9/13/2024
Ending Pressure:	-5 in. of Hg		

Summa Canister Identification #:	6394
Flow Regulator ID #:	4734
Sample ID #:	RXSV-8
Analysis	TO-15
Laboratory	Eurofins

Comments
None

Soil Vapor Sampling Form

Date: 9/13/2024 **Time:** 8:45
Weather : Partly Cloudy

Temperature:	70 F	Humidity:	78%
Wind Magnitude:	4 MPH	Wind Direction:	NE
Barometric Pressure:	30.26"	Precipitation:	-

Sampling Team: Emery Lovekamp
Sampling Location: 2828 W 28th St, Brooklyn, New York
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)
Parking Lot & Basketball Courts

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes
Sampling Depth: 3 feet
Sealed at land surface : Yes
Purge Rate: 0.2 L/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: 4.1%
Helium Rate from sample tubing: 0% Is this rate <10% of the rate at the enclosure? **PASS**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30 in. of Hg
Starting Time: 8:55 **Date:** 9/13/2024
Ending Time: 10:53 **Date:** 9/13/2024
Ending Pressure: -5 in. of Hg

Summa Canister Identification #: 5448
Flow Regulator ID #: 8818
Sample ID #: RXSV-9
Analysis TO-15
Laboratory Eurofins

Comments
None

APPENDIX E

OER Remedial Investigation Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia NY 11749

Generated 9/19/2024 9:57 AM

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

200-75119-1

Eurofins Burlington
530 Community Drive
Suite 11
South Burlington VT 05403

See page two for job notes and contact information.

my EOL

Eurofins Burlington

Job Notes

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Compliance Statement

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

Authorization

Generated
9/19/2024 9:57 AM

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

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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75119-1
Project/Site: 2828 W 28th Street

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: 2828 W 28th Street

Report Number: 200-75119-1

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

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

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

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

RECEIPT
The samples were received on 9/14/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

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

VOLATILE ORGANICS (AMBIENT AIR)
Samples RXSV-8 (200-75119-1), RXSV-2 (200-75119-2), RXSV-9 (200-75119-3), RXSV-6 (200-75119-4), RXSV-4 (200-75119-5), RXSV-7 (200-75119-6), RXSV-3 (200-75119-7), RXSV-5 (200-75119-8), RXSV-1 (200-75119-9) and DUP_09132024 (200-75119-10) were analyzed for Volatile Organics (Ambient Air) in accordance with EPA Method TO15. The samples were analyzed on 09/17/2024 and 09/18/2024.

Samples RXSV-8 (200-75119-1)[5X] and RXSV-9 (200-75119-3)[2.5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75119-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSV-8
Lab Sample ID: 200-75119-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.9	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.86	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.34	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	1.5		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4		1.1	0.28	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	4.6	J	12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.1		1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	29		15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	0.85	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	12		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	0.94	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.61	J	1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.28	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.14	J	0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.2		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.84		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	3.3		0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	9.8		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	4.3		1.4	0.14	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.2	J	2.0	0.61	ug/m3	1		TO-15	Total/NA
Ethylbenzene	4.1		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	17		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	19		0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	2.2		0.85	0.25	ug/m3	1		TO-15	Total/NA
Cumene	13		0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	68		0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	130		0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	150		0.98	0.23	ug/m3	1		TO-15	Total/NA
sec-Butylbenzene	2.1		1.1	0.25	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	2.0		1.1	0.33	ug/m3	1		TO-15	Total/NA
n-Butylbenzene	3.1		1.1	0.60	ug/m3	1		TO-15	Total/NA
Naphthalene	4.2		2.0	1.6	ug/m3	1		TO-15	Total/NA
Acetone - DL	230	D	59	19	ug/m3	5		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	370	D	4.9	2.0	ug/m3	5		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.38	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.24	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.16	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.64		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.25		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	1.9	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.98		0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	9.5		5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.24	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	4.2		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.19	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.11	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.081	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.022	J	0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.26		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.26		0.20	0.044	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSV-8 (Continued)
Lab Sample ID: 200-75119-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Heptane	0.80		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Toluene	2.6		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.64		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.29	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.93		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	3.9		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	4.4		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.52		0.20	0.059	ppb v/v	1		TO-15	Total/NA
Cumene	2.6		0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	14		0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	26		0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	30		0.20	0.047	ppb v/v	1		TO-15	Total/NA
sec-Butylbenzene	0.38		0.20	0.045	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.37		0.20	0.061	ppb v/v	1		TO-15	Total/NA
n-Butylbenzene	0.57		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.79		0.38	0.30	ppb v/v	1		TO-15	Total/NA
Acetone - DL	96	D	25	8.0	ppb v/v	5		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	75	D	1.0	0.40	ppb v/v	5		TO-15	Total/NA

Client Sample ID: RXSV-2
Lab Sample ID: 200-75119-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.9	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.3	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.37	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	2.5		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.7		1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	75		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.5	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	29		15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	0.67	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	7.5		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	0.87	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.14	J	0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.35	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.45	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.66	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.18	J	0.20	0.13	ug/m3	1		TO-15	Total/NA
Toluene	4.7		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	13		1.4	0.14	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.2	J	2.0	0.61	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.45	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.8	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.81	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.25	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.40	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.58	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.6		0.98	0.39	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.39	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.38	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSV-2 (Continued)
Lab Sample ID: 200-75119-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.18	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	1.1		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.48		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Acetone	31		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.49	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	9.5		5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.19	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.5		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.18	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.022	J	0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.076	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.14	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.16	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.033	J	0.037	0.025	ppb v/v	1		TO-15	Total/NA
Toluene	1.2		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	1.9		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.30	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.10	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.41	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.19	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.051	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.081	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.12	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.52		0.20	0.080	ppb v/v	1		TO-15	Total/NA

Client Sample ID: RXSV-9
Lab Sample ID: 200-75119-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.2	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.54	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
1,2-Dichlorotetrafluoroethane	1.2	J	1.4	0.34	ug/m3	1		TO-15	Total/NA
Chloromethane	0.48	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	59		1.2	0.48	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.21	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	7.5		1.1	0.28	ug/m3	1		TO-15	Total/NA
Carbon disulfide	10		1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	29		15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	76		1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	14		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	0.65	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.43	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.14	J	0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.62	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.8		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	49		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.40		0.20	0.13	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1.1	J	2.0	0.53	ug/m3	1		TO-15	Total/NA
Toluene	7.8		0.75	0.23	ug/m3	1		TO-15	Total/NA
1,1,2-Trichloroethane	0.48	J	1.1	0.40	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	19		1.4	0.14	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	2.3		2.0	0.61	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSV-9 (Continued)
Lab Sample ID: 200-75119-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	3.7		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	7.0		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	4.5		0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	1.8		0.85	0.25	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.44	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.55	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.72	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.1		0.98	0.39	ug/m3	1		TO-15	Total/NA
Acetone - DL	120	D	30	9.5	ug/m3	2.5		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.44	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.15	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
1,2-Dichlorotetrafluoroethane	0.18	J	0.20	0.048	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.23	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	25		0.50	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.094	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	3.2		0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	9.7		5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	21		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	4.7		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.13	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.12	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.022	J	0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.13	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.56		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	12		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.075		0.037	0.025	ppb v/v	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.26	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
Toluene	2.1		0.20	0.062	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichloroethane	0.087	J	0.20	0.074	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	2.8		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.57		0.50	0.15	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.84		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.6		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	1.0		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.43		0.20	0.059	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.090	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.11	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.15	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.62		0.20	0.080	ppb v/v	1		TO-15	Total/NA
Acetone - DL	49	D	13	4.0	ppb v/v	2.5		TO-15	Total/NA

Client Sample ID: RXSV-6
Lab Sample ID: 200-75119-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.0	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.3	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.40	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	2.0		1.2	0.48	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75119-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSV-6 (Continued)
Lab Sample ID: 200-75119-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	3.8		1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	43		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.95	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	14	J	15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	0.71	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.4		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	4.5		0.98	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.21	J	0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.26	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.45	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.58	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	0.60	J	18	0.30	ug/m3	1		TO-15	Total/NA
Toluene	5.8		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	9.5		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.44	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.6	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.74	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.28	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.51	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.9		0.98	0.39	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.41	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.37	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.19	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.85		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.68		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Acetone	18		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.31	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	4.8	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.20	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.80		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.92		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.034	J	0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.057	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.14	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.14	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.17	J	5.0	0.082	ppb v/v	1		TO-15	Total/NA
Toluene	1.5		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	1.4		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.10	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.36	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.17	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.057	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.10	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.39		0.20	0.080	ppb v/v	1		TO-15	Total/NA

Client Sample ID: RXSV-4
Lab Sample ID: 200-75119-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.8	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.4	J	1.8	0.42	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSV-4 (Continued)
Lab Sample ID: 200-75119-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	3.0		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	28		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	6.0		1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	17		15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	0.89	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	3.4		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	3.5		0.98	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.18	J	0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.94		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.58	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.53	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	9.5		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.6		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.90		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	3.3		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	2.1		0.87	0.27	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.31	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.52	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.1		0.98	0.39	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.36	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.40	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
n-Butane	1.3		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Acetone	12		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.9		0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	5.6		5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.25	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.2		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.72		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.029	J	0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.20		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.18	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.13	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA
Toluene	2.5		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.24		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.21		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.76		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.47		0.20	0.063	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.063	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.11	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.43		0.20	0.080	ppb v/v	1		TO-15	Total/NA

Client Sample ID: RXSV-7
Lab Sample ID: 200-75119-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.6	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.77	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.40	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	0.89	J	1.2	0.48	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSV-7 (Continued)
Lab Sample ID: 200-75119-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Butadiene	0.11	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.2		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.45	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	38		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.8		1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	18		15	3.6	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	4.3		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	3.3		0.98	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.25	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.77		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	1.1		0.82	0.23	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	1.7	J	18	0.30	ug/m3	1		TO-15	Total/NA
Toluene	0.55	J	0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.6		1.4	0.14	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.33	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.22	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.19	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.38	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.052	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.21		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.059	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	16		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.2		0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	6.0		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.5		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.69		0.20	0.041	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.054	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.24		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.28		0.20	0.055	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.46	J	5.0	0.082	ppb v/v	1		TO-15	Total/NA
Toluene	0.15	J	0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.24		0.20	0.021	ppb v/v	1		TO-15	Total/NA

Client Sample ID: RXSV-3
Lab Sample ID: 200-75119-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.8	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.1	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.91	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	3.7		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.55	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	43		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	5.8		1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	7.7	J	15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	0.83	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.2		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	1.2		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.43	J	1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.26	J	0.69	0.20	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSV-3 (Continued)
Lab Sample ID: 200-75119-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.21	J	0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.64	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.5		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	1.6		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.41		0.20	0.13	ug/m3	1		TO-15	Total/NA
Toluene	9.2		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	2.3		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.9		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	8.2		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	2.2		0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	0.34	J	0.85	0.25	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	2.1		0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	4.7		0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.2		0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	4.4		0.98	0.39	ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	4.2		1.2	0.44	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.37	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.31	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.44	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	1.5		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.24		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.072	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	18		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.9		0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	2.5	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.23	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.76		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.24		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.079	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.076	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.034	J	0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.14	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.47		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.40		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.075		0.037	0.025	ppb v/v	1		TO-15	Total/NA
Toluene	2.4		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.34		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.44		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.9		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.52		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.081	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.42		0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.95		0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.25		0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.90		0.20	0.080	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.70		0.20	0.074	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75119-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSV-5
Lab Sample ID: 200-75119-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.4	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.56	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.82	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	1.3		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4		1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	27		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	7.0		1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	7.9	J	15	3.6	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	3.2		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	1.8		0.98	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.20	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.20	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.87		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	1.4		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.15	J	0.20	0.13	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	0.40	J	18	0.30	ug/m3	1		TO-15	Total/NA
Toluene	2.0		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	42		1.4	0.14	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.64	J	2.0	0.61	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.42	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.3	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.67	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.26	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.29	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.50	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.7		0.98	0.39	ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	3.1		1.2	0.44	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.29	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.16	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.40	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.54		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.24		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Acetone	11		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	2.3		0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	2.6	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.1		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.36		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.059	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.044	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.27		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.34		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.029	J	0.037	0.025	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.11	J	5.0	0.082	ppb v/v	1		TO-15	Total/NA
Toluene	0.52		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	6.2		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.16	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.096	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.30	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.15	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.053	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSV-5 (Continued)
Lab Sample ID: 200-75119-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Ethyltoluene	0.060	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.10	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.35		0.20	0.080	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.52		0.20	0.074	ppb v/v	1		TO-15	Total/NA

Client Sample ID: RXSV-1
Lab Sample ID: 200-75119-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.0	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.34	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	1.1	J	1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	54		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.3		1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	20		15	3.6	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	6.8		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	1.8		0.98	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.25	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.3		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	2.3		0.82	0.23	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.57	J	2.0	0.53	ug/m3	1		TO-15	Total/NA
Toluene	5.1		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.82	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.1	J	2.0	0.61	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.2		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	4.7		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	1.2		0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	0.66	J	0.85	0.25	ug/m3	1		TO-15	Total/NA
Cumene	0.48	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.98		0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	2.4		0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.76	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.5		0.98	0.39	ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	3.5		1.2	0.44	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.43	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.30	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.16	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.47	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Acetone	23		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.1		0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	6.6		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.3		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.36		0.20	0.041	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.053	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.40		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.56		0.20	0.055	ppb v/v	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.14	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSV-1 (Continued)
Lab Sample ID: 200-75119-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.4		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.12	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.27	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.27		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.1		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.27		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.16	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
Cumene	0.097	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.20		0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.49		0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.15	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.52		0.20	0.080	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.59		0.20	0.074	ppb v/v	1		TO-15	Total/NA

Client Sample ID: DUP_09132024
Lab Sample ID: 200-75119-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.92	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.79	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	1.4		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.6		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.42	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	28		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	2.7		1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	8.3	J	15	3.6	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.1		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	1.9		0.98	0.20	ug/m3	1		TO-15	Total/NA
Benzene	0.45	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.47	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	0.96		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	44		1.4	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.76	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.42	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.54	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.92	J	0.98	0.39	ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	1.4		1.2	0.44	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.43	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.26	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.38	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	0.59		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.29		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.055	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	12		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.86		0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	2.7	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.71		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.39		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	0.14	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.11	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP_09132024 (Continued)
Lab Sample ID: 200-75119-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.25		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	6.5		0.20	0.021	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.18	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.096	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.11	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.19	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.23		0.20	0.074	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSV-8
Lab Sample ID: 200-75119-1

Date Collected: 09/13/24 13:47
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.9**	**J**	2.5	0.54	ug/m3			09/17/24 20:19	1
Chlorodifluoromethane	**0.86**	**J**	1.8	0.42	ug/m3			09/17/24 20:19	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/17/24 20:19	1
Chloromethane	**0.34**	**J**	1.0	0.31	ug/m3			09/17/24 20:19	1
n-Butane	**1.5**		1.2	0.48	ug/m3			09/17/24 20:19	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/17/24 20:19	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/17/24 20:19	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/17/24 20:19	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/17/24 20:19	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/17/24 20:19	1
Trichlorofluoromethane	**1.4**		1.1	0.28	ug/m3			09/17/24 20:19	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/17/24 20:19	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/17/24 20:19	1
Isopropyl alcohol	**4.6**	**J**	12	3.9	ug/m3			09/17/24 20:19	1
Carbon disulfide	**3.1**		1.6	0.40	ug/m3			09/17/24 20:19	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/17/24 20:19	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/17/24 20:19	1
tert-Butyl alcohol	**29**		15	3.6	ug/m3			09/17/24 20:19	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/17/24 20:19	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/17/24 20:19	1
n-Hexane	**0.85**	**J**	1.8	0.39	ug/m3			09/17/24 20:19	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/17/24 20:19	1
Methyl Ethyl Ketone (2-Butanone)	**12**		1.5	1.4	ug/m3			09/17/24 20:19	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/17/24 20:19	1
Chloroform	**0.94**	**J**	0.98	0.20	ug/m3			09/17/24 20:19	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/17/24 20:19	1
1,1,1-Trichloroethane	**0.61**	**J**	1.1	0.24	ug/m3			09/17/24 20:19	1
Cyclohexane	**0.28**	**J**	0.69	0.20	ug/m3			09/17/24 20:19	1
Carbon tetrachloride	**0.14**	**J**	0.22	0.14	ug/m3			09/17/24 20:19	1
2,2,4-Trimethylpentane	**1.2**		0.93	0.18	ug/m3			09/17/24 20:19	1
Benzene	**0.84**		0.64	0.14	ug/m3			09/17/24 20:19	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/17/24 20:19	1
n-Heptane	**3.3**		0.82	0.23	ug/m3			09/17/24 20:19	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/17/24 20:19	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/17/24 20:19	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/17/24 20:19	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/17/24 20:19	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/17/24 20:19	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/17/24 20:19	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/17/24 20:19	1
Toluene	**9.8**		0.75	0.23	ug/m3			09/17/24 20:19	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/17/24 20:19	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/17/24 20:19	1
Tetrachloroethene	**4.3**		1.4	0.14	ug/m3			09/17/24 20:19	1
Methyl Butyl Ketone (2-Hexanone)	**1.2**	**J**	2.0	0.61	ug/m3			09/17/24 20:19	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/17/24 20:19	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/17/24 20:19	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/17/24 20:19	1

Client Sample ID: RXSV-8
Lab Sample ID: 200-75119-1

Date Collected: 09/13/24 13:47
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**4.1**		0.87	0.30	ug/m3			09/17/24 20:19	1
m,p-Xylene	**17**		2.2	0.41	ug/m3			09/17/24 20:19	1
o-Xylene	**19**		0.87	0.27	ug/m3			09/17/24 20:19	1
Styrene	**2.2**		0.85	0.25	ug/m3			09/17/24 20:19	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/17/24 20:19	1
Cumene	**13**		0.98	0.20	ug/m3			09/17/24 20:19	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/17/24 20:19	1
n-Propylbenzene	**68**		0.98	0.23	ug/m3			09/17/24 20:19	1
4-Ethyltoluene	**130**		0.98	0.24	ug/m3			09/17/24 20:19	1
1,3,5-Trimethylbenzene	**150**		0.98	0.23	ug/m3			09/17/24 20:19	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/17/24 20:19	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/17/24 20:19	1
sec-Butylbenzene	**2.1**		1.1	0.25	ug/m3			09/17/24 20:19	1
4-Isopropyltoluene	**2.0**		1.1	0.33	ug/m3			09/17/24 20:19	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/17/24 20:19	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/17/24 20:19	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/17/24 20:19	1
n-Butylbenzene	**3.1**		1.1	0.60	ug/m3			09/17/24 20:19	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/17/24 20:19	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/17/24 20:19	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/17/24 20:19	1
Naphthalene	**4.2**		2.0	1.6	ug/m3			09/17/24 20:19	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.38**	**J**	0.50	0.11	ppb v/v			09/17/24 20:19	1
Chlorodifluoromethane	**0.24**	**J**	0.50	0.12	ppb v/v			09/17/24 20:19	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/17/24 20:19	1
Chloromethane	**0.16**	**J**	0.50	0.15	ppb v/v			09/17/24 20:19	1
n-Butane	**0.64**		0.50	0.20	ppb v/v			09/17/24 20:19	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/17/24 20:19	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/17/24 20:19	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/17/24 20:19	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/17/24 20:19	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/17/24 20:19	1
Trichlorofluoromethane	**0.25**		0.20	0.050	ppb v/v			09/17/24 20:19	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/17/24 20:19	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/17/24 20:19	1
Isopropyl alcohol	**1.9**	**J**	5.0	1.6	ppb v/v			09/17/24 20:19	1
Carbon disulfide	**0.98**		0.50	0.13	ppb v/v			09/17/24 20:19	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/17/24 20:19	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/17/24 20:19	1
tert-Butyl alcohol	**9.5**		5.0	1.2	ppb v/v			09/17/24 20:19	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/17/24 20:19	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/17/24 20:19	1
n-Hexane	**0.24**	**J**	0.50	0.11	ppb v/v			09/17/24 20:19	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/17/24 20:19	1
Methyl Ethyl Ketone (2-Butanone)	**4.2**		0.50	0.49	ppb v/v			09/17/24 20:19	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/17/24 20:19	1
Chloroform	**0.19**	**J**	0.20	0.041	ppb v/v			09/17/24 20:19	1

Client Sample ID: RXSV-8
Lab Sample ID: 200-75119-1

Date Collected: 09/13/24 13:47
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/17/24 20:19	1
1,1,1-Trichloroethane	**0.11**	**J**	0.20	0.044	ppb v/v			09/17/24 20:19	1
Cyclohexane	**0.081**	**J**	0.20	0.058	ppb v/v			09/17/24 20:19	1
Carbon tetrachloride	**0.022**	**J**	0.035	0.022	ppb v/v			09/17/24 20:19	1
2,2,4-Trimethylpentane	**0.26**		0.20	0.038	ppb v/v			09/17/24 20:19	1
Benzene	**0.26**		0.20	0.044	ppb v/v			09/17/24 20:19	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/17/24 20:19	1
n-Heptane	**0.80**		0.20	0.055	ppb v/v			09/17/24 20:19	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/17/24 20:19	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/17/24 20:19	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/17/24 20:19	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/17/24 20:19	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/17/24 20:19	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/17/24 20:19	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/17/24 20:19	1
Toluene	**2.6**		0.20	0.062	ppb v/v			09/17/24 20:19	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/17/24 20:19	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/17/24 20:19	1
Tetrachloroethene	**0.64**		0.20	0.021	ppb v/v			09/17/24 20:19	1
Methyl Butyl Ketone (2-Hexanone)	**0.29**	**J**	0.50	0.15	ppb v/v			09/17/24 20:19	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/17/24 20:19	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/17/24 20:19	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/17/24 20:19	1
Ethylbenzene	**0.93**		0.20	0.069	ppb v/v			09/17/24 20:19	1
m,p-Xylene	**3.9**		0.50	0.095	ppb v/v			09/17/24 20:19	1
o-Xylene	**4.4**		0.20	0.063	ppb v/v			09/17/24 20:19	1
Styrene	**0.52**		0.20	0.059	ppb v/v			09/17/24 20:19	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/17/24 20:19	1
Cumene	**2.6**		0.20	0.041	ppb v/v			09/17/24 20:19	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/17/24 20:19	1
n-Propylbenzene	**14**		0.20	0.047	ppb v/v			09/17/24 20:19	1
4-Ethyltoluene	**26**		0.20	0.049	ppb v/v			09/17/24 20:19	1
1,3,5-Trimethylbenzene	**30**		0.20	0.047	ppb v/v			09/17/24 20:19	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/17/24 20:19	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 20:19	1
sec-Butylbenzene	**0.38**		0.20	0.045	ppb v/v			09/17/24 20:19	1
4-Isopropyltoluene	**0.37**		0.20	0.061	ppb v/v			09/17/24 20:19	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/17/24 20:19	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/17/24 20:19	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/17/24 20:19	1
n-Butylbenzene	**0.57**		0.20	0.11	ppb v/v			09/17/24 20:19	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/17/24 20:19	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/17/24 20:19	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/17/24 20:19	1
Naphthalene	**0.79**		0.38	0.30	ppb v/v			09/17/24 20:19	1

Client Sample ID: RXSV-8
Lab Sample ID: 200-75119-1

Date Collected: 09/13/24 13:47
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**230**	**D**	59	19	ug/m3			09/17/24 21:10	5
1,2,4-Trimethylbenzene	**370**	**D**	4.9	2.0	ug/m3			09/17/24 21:10	5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**96**	**D**	25	8.0	ppb v/v			09/17/24 21:10	5
1,2,4-Trimethylbenzene	**75**	**D**	1.0	0.40	ppb v/v			09/17/24 21:10	5

Client Sample ID: RXSV-2
Lab Sample ID: 200-75119-2

Date Collected: 09/13/24 10:51
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.9**	**J**	2.5	0.54	ug/m3			09/17/24 22:02	1
Chlorodifluoromethane	**1.3**	**J**	1.8	0.42	ug/m3			09/17/24 22:02	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/17/24 22:02	1
Chloromethane	**0.37**	**J**	1.0	0.31	ug/m3			09/17/24 22:02	1
n-Butane	**2.5**		1.2	0.48	ug/m3			09/17/24 22:02	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/17/24 22:02	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/17/24 22:02	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/17/24 22:02	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/17/24 22:02	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/17/24 22:02	1
Trichlorofluoromethane	**2.7**		1.1	0.28	ug/m3			09/17/24 22:02	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/17/24 22:02	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/17/24 22:02	1
Acetone	**75**		12	3.8	ug/m3			09/17/24 22:02	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/17/24 22:02	1
Carbon disulfide	**1.5**	**J**	1.6	0.40	ug/m3			09/17/24 22:02	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/17/24 22:02	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/17/24 22:02	1
tert-Butyl alcohol	**29**		15	3.6	ug/m3			09/17/24 22:02	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/17/24 22:02	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/17/24 22:02	1
n-Hexane	**0.67**	**J**	1.8	0.39	ug/m3			09/17/24 22:02	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/17/24 22:02	1
Methyl Ethyl Ketone (2-Butanone)	**7.5**		1.5	1.4	ug/m3			09/17/24 22:02	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/17/24 22:02	1
Chloroform	**0.87**	**J**	0.98	0.20	ug/m3			09/17/24 22:02	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/17/24 22:02	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/17/24 22:02	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/17/24 22:02	1
Carbon tetrachloride	**0.14**	**J**	0.22	0.14	ug/m3			09/17/24 22:02	1
2,2,4-Trimethylpentane	**0.35**	**J**	0.93	0.18	ug/m3			09/17/24 22:02	1
Benzene	**0.45**	**J**	0.64	0.14	ug/m3			09/17/24 22:02	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/17/24 22:02	1
n-Heptane	**0.66**	**J**	0.82	0.23	ug/m3			09/17/24 22:02	1
Trichloroethene	**0.18**	**J**	0.20	0.13	ug/m3			09/17/24 22:02	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/17/24 22:02	1

Client Sample ID: RXSV-2
Lab Sample ID: 200-75119-2

Date Collected: 09/13/24 10:51
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/17/24 22:02	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/17/24 22:02	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/17/24 22:02	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/17/24 22:02	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/17/24 22:02	1
Toluene	**4.7**		0.75	0.23	ug/m3			09/17/24 22:02	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/17/24 22:02	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/17/24 22:02	1
Tetrachloroethene	**13**		1.4	0.14	ug/m3			09/17/24 22:02	1
Methyl Butyl Ketone (2-Hexanone)	**1.2**	**J**	2.0	0.61	ug/m3			09/17/24 22:02	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/17/24 22:02	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/17/24 22:02	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/17/24 22:02	1
Ethylbenzene	**0.45**	**J**	0.87	0.30	ug/m3			09/17/24 22:02	1
m,p-Xylene	**1.8**	**J**	2.2	0.41	ug/m3			09/17/24 22:02	1
o-Xylene	**0.81**	**J**	0.87	0.27	ug/m3			09/17/24 22:02	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/17/24 22:02	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/17/24 22:02	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/17/24 22:02	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/17/24 22:02	1
n-Propylbenzene	**0.25**	**J**	0.98	0.23	ug/m3			09/17/24 22:02	1
4-Ethyltoluene	**0.40**	**J**	0.98	0.24	ug/m3			09/17/24 22:02	1
1,3,5-Trimethylbenzene	**0.58**	**J**	0.98	0.23	ug/m3			09/17/24 22:02	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/17/24 22:02	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/17/24 22:02	1
1,2,4-Trimethylbenzene	**2.6**		0.98	0.39	ug/m3			09/17/24 22:02	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/17/24 22:02	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/17/24 22:02	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/17/24 22:02	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/17/24 22:02	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/17/24 22:02	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/17/24 22:02	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/17/24 22:02	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/17/24 22:02	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/17/24 22:02	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/17/24 22:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.39**	**J**	0.50	0.11	ppb v/v			09/17/24 22:02	1
Chlorodifluoromethane	**0.38**	**J**	0.50	0.12	ppb v/v			09/17/24 22:02	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/17/24 22:02	1
Chloromethane	**0.18**	**J**	0.50	0.15	ppb v/v			09/17/24 22:02	1
n-Butane	**1.1**		0.50	0.20	ppb v/v			09/17/24 22:02	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/17/24 22:02	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/17/24 22:02	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/17/24 22:02	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/17/24 22:02	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/17/24 22:02	1

Client Sample ID: RXSV-2
Lab Sample ID: 200-75119-2

Date Collected: 09/13/24 10:51
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	**0.48**		0.20	0.050	ppb v/v			09/17/24 22:02	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/17/24 22:02	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/17/24 22:02	1
Acetone	**31**		5.0	1.6	ppb v/v			09/17/24 22:02	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/17/24 22:02	1
Carbon disulfide	**0.49**	**J**	0.50	0.13	ppb v/v			09/17/24 22:02	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/17/24 22:02	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/17/24 22:02	1
tert-Butyl alcohol	**9.5**		5.0	1.2	ppb v/v			09/17/24 22:02	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/17/24 22:02	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/17/24 22:02	1
n-Hexane	**0.19**	**J**	0.50	0.11	ppb v/v			09/17/24 22:02	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/17/24 22:02	1
Methyl Ethyl Ketone (2-Butanone)	**2.5**		0.50	0.49	ppb v/v			09/17/24 22:02	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/17/24 22:02	1
Chloroform	**0.18**	**J**	0.20	0.041	ppb v/v			09/17/24 22:02	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/17/24 22:02	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/17/24 22:02	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/17/24 22:02	1
Carbon tetrachloride	**0.022**	**J**	0.035	0.022	ppb v/v			09/17/24 22:02	1
2,2,4-Trimethylpentane	**0.076**	**J**	0.20	0.038	ppb v/v			09/17/24 22:02	1
Benzene	**0.14**	**J**	0.20	0.044	ppb v/v			09/17/24 22:02	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/17/24 22:02	1
n-Heptane	**0.16**	**J**	0.20	0.055	ppb v/v			09/17/24 22:02	1
Trichloroethene	**0.033**	**J**	0.037	0.025	ppb v/v			09/17/24 22:02	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/17/24 22:02	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/17/24 22:02	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/17/24 22:02	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/17/24 22:02	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/17/24 22:02	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/17/24 22:02	1
Toluene	**1.2**		0.20	0.062	ppb v/v			09/17/24 22:02	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/17/24 22:02	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/17/24 22:02	1
Tetrachloroethene	**1.9**		0.20	0.021	ppb v/v			09/17/24 22:02	1
Methyl Butyl Ketone (2-Hexanone)	**0.30**	**J**	0.50	0.15	ppb v/v			09/17/24 22:02	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/17/24 22:02	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/17/24 22:02	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/17/24 22:02	1
Ethylbenzene	**0.10**	**J**	0.20	0.069	ppb v/v			09/17/24 22:02	1
m,p-Xylene	**0.41**	**J**	0.50	0.095	ppb v/v			09/17/24 22:02	1
o-Xylene	**0.19**	**J**	0.20	0.063	ppb v/v			09/17/24 22:02	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/17/24 22:02	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/17/24 22:02	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/17/24 22:02	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/17/24 22:02	1
n-Propylbenzene	**0.051**	**J**	0.20	0.047	ppb v/v			09/17/24 22:02	1
4-Ethyltoluene	**0.081**	**J**	0.20	0.049	ppb v/v			09/17/24 22:02	1

Client Sample ID: RXSV-2
Lab Sample ID: 200-75119-2

Date Collected: 09/13/24 10:51
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**0.12**	**J**	0.20	0.047	ppb v/v			09/17/24 22:02	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/17/24 22:02	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 22:02	1
1,2,4-Trimethylbenzene	**0.52**		0.20	0.080	ppb v/v			09/17/24 22:02	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/17/24 22:02	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/17/24 22:02	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/17/24 22:02	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/17/24 22:02	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/17/24 22:02	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/17/24 22:02	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/17/24 22:02	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/17/24 22:02	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/17/24 22:02	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/17/24 22:02	1

Client Sample ID: RXSV-9
Lab Sample ID: 200-75119-3

Date Collected: 09/13/24 10:53
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.2**	**J**	2.5	0.54	ug/m3			09/17/24 23:45	1
Chlorodifluoromethane	**0.54**	**J**	1.8	0.42	ug/m3			09/17/24 23:45	1
1,2-Dichlorotetrafluoroethane	**1.2**	**J**	1.4	0.34	ug/m3			09/17/24 23:45	1
Chloromethane	**0.48**	**J**	1.0	0.31	ug/m3			09/17/24 23:45	1
n-Butane	**59**		1.2	0.48	ug/m3			09/17/24 23:45	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/17/24 23:45	1
1,3-Butadiene	**0.21**	**J**	0.44	0.086	ug/m3			09/17/24 23:45	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/17/24 23:45	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/17/24 23:45	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/17/24 23:45	1
Trichlorofluoromethane	**7.5**		1.1	0.28	ug/m3			09/17/24 23:45	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/17/24 23:45	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/17/24 23:45	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/17/24 23:45	1
Carbon disulfide	**10**		1.6	0.40	ug/m3			09/17/24 23:45	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/17/24 23:45	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/17/24 23:45	1
tert-Butyl alcohol	**29**		15	3.6	ug/m3			09/17/24 23:45	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/17/24 23:45	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/17/24 23:45	1
n-Hexane	**76**		1.8	0.39	ug/m3			09/17/24 23:45	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/17/24 23:45	1
Methyl Ethyl Ketone (2-Butanone)	**14**		1.5	1.4	ug/m3			09/17/24 23:45	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/17/24 23:45	1
Chloroform	**0.65**	**J**	0.98	0.20	ug/m3			09/17/24 23:45	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/17/24 23:45	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/17/24 23:45	1

Client Sample ID: RXSV-9
Lab Sample ID: 200-75119-3

Date Collected: 09/13/24 10:53
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	**0.43**	**J**	0.69	0.20	ug/m3			09/17/24 23:45	1
Carbon tetrachloride	**0.14**	**J**	0.22	0.14	ug/m3			09/17/24 23:45	1
2,2,4-Trimethylpentane	**0.62**	**J**	0.93	0.18	ug/m3			09/17/24 23:45	1
Benzene	**1.8**		0.64	0.14	ug/m3			09/17/24 23:45	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/17/24 23:45	1
n-Heptane	**49**		0.82	0.23	ug/m3			09/17/24 23:45	1
Trichloroethene	**0.40**		0.20	0.13	ug/m3			09/17/24 23:45	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/17/24 23:45	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/17/24 23:45	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/17/24 23:45	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/17/24 23:45	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/17/24 23:45	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**1.1**	**J**	2.0	0.53	ug/m3			09/17/24 23:45	1
Toluene	**7.8**		0.75	0.23	ug/m3			09/17/24 23:45	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/17/24 23:45	1
1,1,2-Trichloroethane	**0.48**	**J**	1.1	0.40	ug/m3			09/17/24 23:45	1
Tetrachloroethene	**19**		1.4	0.14	ug/m3			09/17/24 23:45	1
Methyl Butyl Ketone (2-Hexanone)	**2.3**		2.0	0.61	ug/m3			09/17/24 23:45	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/17/24 23:45	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/17/24 23:45	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/17/24 23:45	1
Ethylbenzene	**3.7**		0.87	0.30	ug/m3			09/17/24 23:45	1
m,p-Xylene	**7.0**		2.2	0.41	ug/m3			09/17/24 23:45	1
o-Xylene	**4.5**		0.87	0.27	ug/m3			09/17/24 23:45	1
Styrene	**1.8**		0.85	0.25	ug/m3			09/17/24 23:45	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/17/24 23:45	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/17/24 23:45	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/17/24 23:45	1
n-Propylbenzene	**0.44**	**J**	0.98	0.23	ug/m3			09/17/24 23:45	1
4-Ethyltoluene	**0.55**	**J**	0.98	0.24	ug/m3			09/17/24 23:45	1
1,3,5-Trimethylbenzene	**0.72**	**J**	0.98	0.23	ug/m3			09/17/24 23:45	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/17/24 23:45	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/17/24 23:45	1
1,2,4-Trimethylbenzene	**3.1**		0.98	0.39	ug/m3			09/17/24 23:45	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/17/24 23:45	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/17/24 23:45	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/17/24 23:45	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/17/24 23:45	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/17/24 23:45	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/17/24 23:45	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/17/24 23:45	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/17/24 23:45	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/17/24 23:45	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/17/24 23:45	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.44**	**J**	0.50	0.11	ppb v/v			09/17/24 23:45	1
Chlorodifluoromethane	**0.15**	**J**	0.50	0.12	ppb v/v			09/17/24 23:45	1

Client Sample ID: RXSV-9
Lab Sample ID: 200-75119-3

Date Collected: 09/13/24 10:53
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	**0.18**	**J**	0.20	0.048	ppb v/v			09/17/24 23:45	1
Chloromethane	**0.23**	**J**	0.50	0.15	ppb v/v			09/17/24 23:45	1
n-Butane	**25**		0.50	0.20	ppb v/v			09/17/24 23:45	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/17/24 23:45	1
1,3-Butadiene	**0.094**	**J**	0.20	0.039	ppb v/v			09/17/24 23:45	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/17/24 23:45	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/17/24 23:45	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/17/24 23:45	1
Trichlorofluoromethane	**1.3**		0.20	0.050	ppb v/v			09/17/24 23:45	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/17/24 23:45	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/17/24 23:45	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/17/24 23:45	1
Carbon disulfide	**3.2**		0.50	0.13	ppb v/v			09/17/24 23:45	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/17/24 23:45	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/17/24 23:45	1
tert-Butyl alcohol	**9.7**		5.0	1.2	ppb v/v			09/17/24 23:45	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/17/24 23:45	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/17/24 23:45	1
n-Hexane	**21**		0.50	0.11	ppb v/v			09/17/24 23:45	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/17/24 23:45	1
Methyl Ethyl Ketone (2-Butanone)	**4.7**		0.50	0.49	ppb v/v			09/17/24 23:45	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/17/24 23:45	1
Chloroform	**0.13**	**J**	0.20	0.041	ppb v/v			09/17/24 23:45	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/17/24 23:45	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/17/24 23:45	1
Cyclohexane	**0.12**	**J**	0.20	0.058	ppb v/v			09/17/24 23:45	1
Carbon tetrachloride	**0.022**	**J**	0.035	0.022	ppb v/v			09/17/24 23:45	1
2,2,4-Trimethylpentane	**0.13**	**J**	0.20	0.038	ppb v/v			09/17/24 23:45	1
Benzene	**0.56**		0.20	0.044	ppb v/v			09/17/24 23:45	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/17/24 23:45	1
n-Heptane	**12**		0.20	0.055	ppb v/v			09/17/24 23:45	1
Trichloroethene	**0.075**		0.037	0.025	ppb v/v			09/17/24 23:45	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/17/24 23:45	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/17/24 23:45	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/17/24 23:45	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/17/24 23:45	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/17/24 23:45	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**0.26**	**J**	0.50	0.13	ppb v/v			09/17/24 23:45	1
Toluene	**2.1**		0.20	0.062	ppb v/v			09/17/24 23:45	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/17/24 23:45	1
1,1,2-Trichloroethane	**0.087**	**J**	0.20	0.074	ppb v/v			09/17/24 23:45	1
Tetrachloroethene	**2.8**		0.20	0.021	ppb v/v			09/17/24 23:45	1
Methyl Butyl Ketone (2-Hexanone)	**0.57**		0.50	0.15	ppb v/v			09/17/24 23:45	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/17/24 23:45	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/17/24 23:45	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/17/24 23:45	1
Ethylbenzene	**0.84**		0.20	0.069	ppb v/v			09/17/24 23:45	1
m,p-Xylene	**1.6**		0.50	0.095	ppb v/v			09/17/24 23:45	1

Client Sample ID: RXSV-9
Lab Sample ID: 200-75119-3

Date Collected: 09/13/24 10:53
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**1.0**		0.20	0.063	ppb v/v			09/17/24 23:45	1
Styrene	**0.43**		0.20	0.059	ppb v/v			09/17/24 23:45	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/17/24 23:45	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/17/24 23:45	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/17/24 23:45	1
n-Propylbenzene	**0.090**	**J**	0.20	0.047	ppb v/v			09/17/24 23:45	1
4-Ethyltoluene	**0.11**	**J**	0.20	0.049	ppb v/v			09/17/24 23:45	1
1,3,5-Trimethylbenzene	**0.15**	**J**	0.20	0.047	ppb v/v			09/17/24 23:45	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/17/24 23:45	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 23:45	1
1,2,4-Trimethylbenzene	**0.62**		0.20	0.080	ppb v/v			09/17/24 23:45	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/17/24 23:45	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/17/24 23:45	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/17/24 23:45	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/17/24 23:45	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/17/24 23:45	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/17/24 23:45	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/17/24 23:45	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/17/24 23:45	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/17/24 23:45	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/17/24 23:45	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**120**	**D**	30	9.5	ug/m3			09/18/24 00:36	2.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**49**	**D**	13	4.0	ppb v/v			09/18/24 00:36	2.5

Client Sample ID: RXSV-6
Lab Sample ID: 200-75119-4

Date Collected: 09/13/24 10:55
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.0**	**J**	2.5	0.54	ug/m3			09/18/24 01:28	1
Chlorodifluoromethane	**1.3**	**J**	1.8	0.42	ug/m3			09/18/24 01:28	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/18/24 01:28	1
Chloromethane	**0.40**	**J**	1.0	0.31	ug/m3			09/18/24 01:28	1
n-Butane	**2.0**		1.2	0.48	ug/m3			09/18/24 01:28	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/18/24 01:28	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/18/24 01:28	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/18/24 01:28	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/18/24 01:28	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/18/24 01:28	1
Trichlorofluoromethane	**3.8**		1.1	0.28	ug/m3			09/18/24 01:28	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/18/24 01:28	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/18/24 01:28	1
Acetone	**43**		12	3.8	ug/m3			09/18/24 01:28	1

Client Sample ID: RXSV-6
Lab Sample ID: 200-75119-4

Date Collected: 09/13/24 10:55
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/18/24 01:28	1
Carbon disulfide	**0.95**	**J**	1.6	0.40	ug/m3			09/18/24 01:28	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/18/24 01:28	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/18/24 01:28	1
tert-Butyl alcohol	**14**	**J**	15	3.6	ug/m3			09/18/24 01:28	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/18/24 01:28	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/18/24 01:28	1
n-Hexane	**0.71**	**J**	1.8	0.39	ug/m3			09/18/24 01:28	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/18/24 01:28	1
Methyl Ethyl Ketone (2-Butanone)	**2.4**		1.5	1.4	ug/m3			09/18/24 01:28	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/18/24 01:28	1
Chloroform	**4.5**		0.98	0.20	ug/m3			09/18/24 01:28	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/18/24 01:28	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/18/24 01:28	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/18/24 01:28	1
Carbon tetrachloride	**0.21**	**J**	0.22	0.14	ug/m3			09/18/24 01:28	1
2,2,4-Trimethylpentane	**0.26**	**J**	0.93	0.18	ug/m3			09/18/24 01:28	1
Benzene	**0.45**	**J**	0.64	0.14	ug/m3			09/18/24 01:28	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/18/24 01:28	1
n-Heptane	**0.58**	**J**	0.82	0.23	ug/m3			09/18/24 01:28	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/18/24 01:28	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/18/24 01:28	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/18/24 01:28	1
1,4-Dioxane	**0.60**	**J**	18	0.30	ug/m3			09/18/24 01:28	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/18/24 01:28	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/18/24 01:28	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/18/24 01:28	1
Toluene	**5.8**		0.75	0.23	ug/m3			09/18/24 01:28	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/18/24 01:28	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/18/24 01:28	1
Tetrachloroethene	**9.5**		1.4	0.14	ug/m3			09/18/24 01:28	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/18/24 01:28	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/18/24 01:28	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/18/24 01:28	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/18/24 01:28	1
Ethylbenzene	**0.44**	**J**	0.87	0.30	ug/m3			09/18/24 01:28	1
m,p-Xylene	**1.6**	**J**	2.2	0.41	ug/m3			09/18/24 01:28	1
o-Xylene	**0.74**	**J**	0.87	0.27	ug/m3			09/18/24 01:28	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/18/24 01:28	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/18/24 01:28	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/18/24 01:28	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/18/24 01:28	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/18/24 01:28	1
4-Ethyltoluene	**0.28**	**J**	0.98	0.24	ug/m3			09/18/24 01:28	1
1,3,5-Trimethylbenzene	**0.51**	**J**	0.98	0.23	ug/m3			09/18/24 01:28	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/18/24 01:28	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/18/24 01:28	1
1,2,4-Trimethylbenzene	**1.9**		0.98	0.39	ug/m3			09/18/24 01:28	1

Client Sample ID: RXSV-6
Lab Sample ID: 200-75119-4

Date Collected: 09/13/24 10:55
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/18/24 01:28	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/18/24 01:28	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/18/24 01:28	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/18/24 01:28	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/18/24 01:28	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/18/24 01:28	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/18/24 01:28	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/18/24 01:28	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/18/24 01:28	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/18/24 01:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.41**	**J**	0.50	0.11	ppb v/v			09/18/24 01:28	1
Chlorodifluoromethane	**0.37**	**J**	0.50	0.12	ppb v/v			09/18/24 01:28	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/18/24 01:28	1
Chloromethane	**0.19**	**J**	0.50	0.15	ppb v/v			09/18/24 01:28	1
n-Butane	**0.85**		0.50	0.20	ppb v/v			09/18/24 01:28	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/18/24 01:28	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/18/24 01:28	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/18/24 01:28	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/18/24 01:28	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/18/24 01:28	1
Trichlorofluoromethane	**0.68**		0.20	0.050	ppb v/v			09/18/24 01:28	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/18/24 01:28	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/18/24 01:28	1
Acetone	**18**		5.0	1.6	ppb v/v			09/18/24 01:28	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/18/24 01:28	1
Carbon disulfide	**0.31**	**J**	0.50	0.13	ppb v/v			09/18/24 01:28	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/18/24 01:28	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/18/24 01:28	1
tert-Butyl alcohol	**4.8**	**J**	5.0	1.2	ppb v/v			09/18/24 01:28	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/18/24 01:28	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/18/24 01:28	1
n-Hexane	**0.20**	**J**	0.50	0.11	ppb v/v			09/18/24 01:28	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/18/24 01:28	1
Methyl Ethyl Ketone (2-Butanone)	**0.80**		0.50	0.49	ppb v/v			09/18/24 01:28	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/18/24 01:28	1
Chloroform	**0.92**		0.20	0.041	ppb v/v			09/18/24 01:28	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/18/24 01:28	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/18/24 01:28	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/18/24 01:28	1
Carbon tetrachloride	**0.034**	**J**	0.035	0.022	ppb v/v			09/18/24 01:28	1
2,2,4-Trimethylpentane	**0.057**	**J**	0.20	0.038	ppb v/v			09/18/24 01:28	1
Benzene	**0.14**	**J**	0.20	0.044	ppb v/v			09/18/24 01:28	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/18/24 01:28	1
n-Heptane	**0.14**	**J**	0.20	0.055	ppb v/v			09/18/24 01:28	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/18/24 01:28	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/18/24 01:28	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/18/24 01:28	1

Client Sample ID: RXSV-6
Lab Sample ID: 200-75119-4

Date Collected: 09/13/24 10:55
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.17**	**J**	5.0	0.082	ppb v/v			09/18/24 01:28	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/18/24 01:28	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/18/24 01:28	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/18/24 01:28	1
Toluene	**1.5**		0.20	0.062	ppb v/v			09/18/24 01:28	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/18/24 01:28	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/18/24 01:28	1
Tetrachloroethene	**1.4**		0.20	0.021	ppb v/v			09/18/24 01:28	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/18/24 01:28	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/18/24 01:28	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/18/24 01:28	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/18/24 01:28	1
Ethylbenzene	**0.10**	**J**	0.20	0.069	ppb v/v			09/18/24 01:28	1
m,p-Xylene	**0.36**	**J**	0.50	0.095	ppb v/v			09/18/24 01:28	1
o-Xylene	**0.17**	**J**	0.20	0.063	ppb v/v			09/18/24 01:28	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/18/24 01:28	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/18/24 01:28	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/18/24 01:28	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/18/24 01:28	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/18/24 01:28	1
4-Ethyltoluene	**0.057**	**J**	0.20	0.049	ppb v/v			09/18/24 01:28	1
1,3,5-Trimethylbenzene	**0.10**	**J**	0.20	0.047	ppb v/v			09/18/24 01:28	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/18/24 01:28	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/18/24 01:28	1
1,2,4-Trimethylbenzene	**0.39**		0.20	0.080	ppb v/v			09/18/24 01:28	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/18/24 01:28	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/18/24 01:28	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/18/24 01:28	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/18/24 01:28	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/18/24 01:28	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/18/24 01:28	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/18/24 01:28	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/18/24 01:28	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/18/24 01:28	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/18/24 01:28	1

Client Sample ID: RXSV-4
Lab Sample ID: 200-75119-5

Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.8**	**J**	2.5	0.54	ug/m3			09/18/24 02:19	1
Chlorodifluoromethane	**1.4**	**J**	1.8	0.42	ug/m3			09/18/24 02:19	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/18/24 02:19	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			09/18/24 02:19	1
n-Butane	**3.0**		1.2	0.48	ug/m3			09/18/24 02:19	1

Client Sample ID: RXSV-4
Lab Sample ID: 200-75119-5

Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/18/24 02:19	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/18/24 02:19	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/18/24 02:19	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/18/24 02:19	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/18/24 02:19	1
Trichlorofluoromethane	**1.1**		1.1	0.28	ug/m3			09/18/24 02:19	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/18/24 02:19	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/18/24 02:19	1
Acetone	**28**		12	3.8	ug/m3			09/18/24 02:19	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/18/24 02:19	1
Carbon disulfide	**6.0**		1.6	0.40	ug/m3			09/18/24 02:19	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/18/24 02:19	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/18/24 02:19	1
tert-Butyl alcohol	**17**		15	3.6	ug/m3			09/18/24 02:19	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/18/24 02:19	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/18/24 02:19	1
n-Hexane	**0.89**	**J**	1.8	0.39	ug/m3			09/18/24 02:19	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/18/24 02:19	1
Methyl Ethyl Ketone (2-Butanone)	**3.4**		1.5	1.4	ug/m3			09/18/24 02:19	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/18/24 02:19	1
Chloroform	**3.5**		0.98	0.20	ug/m3			09/18/24 02:19	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/18/24 02:19	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/18/24 02:19	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/18/24 02:19	1
Carbon tetrachloride	**0.18**	**J**	0.22	0.14	ug/m3			09/18/24 02:19	1
2,2,4-Trimethylpentane	**0.94**		0.93	0.18	ug/m3			09/18/24 02:19	1
Benzene	**0.58**	**J**	0.64	0.14	ug/m3			09/18/24 02:19	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/18/24 02:19	1
n-Heptane	**0.53**	**J**	0.82	0.23	ug/m3			09/18/24 02:19	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/18/24 02:19	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/18/24 02:19	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/18/24 02:19	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/18/24 02:19	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/18/24 02:19	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/18/24 02:19	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/18/24 02:19	1
Toluene	**9.5**		0.75	0.23	ug/m3			09/18/24 02:19	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/18/24 02:19	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/18/24 02:19	1
Tetrachloroethene	**1.6**		1.4	0.14	ug/m3			09/18/24 02:19	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/18/24 02:19	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/18/24 02:19	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/18/24 02:19	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/18/24 02:19	1
Ethylbenzene	**0.90**		0.87	0.30	ug/m3			09/18/24 02:19	1
m,p-Xylene	**3.3**		2.2	0.41	ug/m3			09/18/24 02:19	1
o-Xylene	**2.1**		0.87	0.27	ug/m3			09/18/24 02:19	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/18/24 02:19	1

Client Sample ID: RXSV-4
Lab Sample ID: 200-75119-5

Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	2.1	U	2.1	1.2	ug/m3			09/18/24 02:19	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/18/24 02:19	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/18/24 02:19	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/18/24 02:19	1
4-Ethyltoluene	**0.31**	**J**	0.98	0.24	ug/m3			09/18/24 02:19	1
1,3,5-Trimethylbenzene	**0.52**	**J**	0.98	0.23	ug/m3			09/18/24 02:19	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/18/24 02:19	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/18/24 02:19	1
1,2,4-Trimethylbenzene	**2.1**		0.98	0.39	ug/m3			09/18/24 02:19	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/18/24 02:19	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/18/24 02:19	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/18/24 02:19	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/18/24 02:19	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/18/24 02:19	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/18/24 02:19	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/18/24 02:19	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/18/24 02:19	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/18/24 02:19	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/18/24 02:19	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.36**	**J**	0.50	0.11	ppb v/v			09/18/24 02:19	1
Chlorodifluoromethane	**0.40**	**J**	0.50	0.12	ppb v/v			09/18/24 02:19	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/18/24 02:19	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			09/18/24 02:19	1
n-Butane	**1.3**		0.50	0.20	ppb v/v			09/18/24 02:19	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/18/24 02:19	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/18/24 02:19	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/18/24 02:19	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/18/24 02:19	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/18/24 02:19	1
Trichlorofluoromethane	**0.19**		0.20	0.050	ppb v/v			09/18/24 02:19	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/18/24 02:19	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/18/24 02:19	1
Acetone	**12**		5.0	1.6	ppb v/v			09/18/24 02:19	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/18/24 02:19	1
Carbon disulfide	**1.9**		0.50	0.13	ppb v/v			09/18/24 02:19	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/18/24 02:19	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/18/24 02:19	1
tert-Butyl alcohol	**5.6**		5.0	1.2	ppb v/v			09/18/24 02:19	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/18/24 02:19	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/18/24 02:19	1
n-Hexane	**0.25**	**J**	0.50	0.11	ppb v/v			09/18/24 02:19	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/18/24 02:19	1
Methyl Ethyl Ketone (2-Butanone)	**1.2**		0.50	0.49	ppb v/v			09/18/24 02:19	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/18/24 02:19	1
Chloroform	**0.72**		0.20	0.041	ppb v/v			09/18/24 02:19	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/18/24 02:19	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/18/24 02:19	1

Client Sample ID: RXSV-4
Lab Sample ID: 200-75119-5

Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/18/24 02:19	1
Carbon tetrachloride	**0.029**	**J**	0.035	0.022	ppb v/v			09/18/24 02:19	1
2,2,4-Trimethylpentane	**0.20**		0.20	0.038	ppb v/v			09/18/24 02:19	1
Benzene	**0.18**	**J**	0.20	0.044	ppb v/v			09/18/24 02:19	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/18/24 02:19	1
n-Heptane	**0.13**	**J**	0.20	0.055	ppb v/v			09/18/24 02:19	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/18/24 02:19	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/18/24 02:19	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/18/24 02:19	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/18/24 02:19	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/18/24 02:19	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/18/24 02:19	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/18/24 02:19	1
Toluene	**2.5**		0.20	0.062	ppb v/v			09/18/24 02:19	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/18/24 02:19	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/18/24 02:19	1
Tetrachloroethene	**0.24**		0.20	0.021	ppb v/v			09/18/24 02:19	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/18/24 02:19	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/18/24 02:19	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/18/24 02:19	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/18/24 02:19	1
Ethylbenzene	**0.21**		0.20	0.069	ppb v/v			09/18/24 02:19	1
m,p-Xylene	**0.76**		0.50	0.095	ppb v/v			09/18/24 02:19	1
o-Xylene	**0.47**		0.20	0.063	ppb v/v			09/18/24 02:19	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/18/24 02:19	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/18/24 02:19	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/18/24 02:19	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/18/24 02:19	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/18/24 02:19	1
4-Ethyltoluene	**0.063**	**J**	0.20	0.049	ppb v/v			09/18/24 02:19	1
1,3,5-Trimethylbenzene	**0.11**	**J**	0.20	0.047	ppb v/v			09/18/24 02:19	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/18/24 02:19	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/18/24 02:19	1
1,2,4-Trimethylbenzene	**0.43**		0.20	0.080	ppb v/v			09/18/24 02:19	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/18/24 02:19	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/18/24 02:19	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/18/24 02:19	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/18/24 02:19	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/18/24 02:19	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/18/24 02:19	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/18/24 02:19	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/18/24 02:19	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/18/24 02:19	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/18/24 02:19	1

Client Sample ID: RXSV-7
Lab Sample ID: 200-75119-6

Date Collected: 09/13/24 11:03
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.6**	**J**	2.5	0.54	ug/m3			09/18/24 03:11	1
Chlorodifluoromethane	**0.77**	**J**	1.8	0.42	ug/m3			09/18/24 03:11	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/18/24 03:11	1
Chloromethane	**0.40**	**J**	1.0	0.31	ug/m3			09/18/24 03:11	1
n-Butane	**0.89**	**J**	1.2	0.48	ug/m3			09/18/24 03:11	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/18/24 03:11	1
1,3-Butadiene	**0.11**	**J**	0.44	0.086	ug/m3			09/18/24 03:11	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/18/24 03:11	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/18/24 03:11	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/18/24 03:11	1
Trichlorofluoromethane	**1.2**		1.1	0.28	ug/m3			09/18/24 03:11	1
1,1,2-Trichlorotrifluoroethane	**0.45**	**J**	1.5	0.41	ug/m3			09/18/24 03:11	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/18/24 03:11	1
Acetone	**38**		12	3.8	ug/m3			09/18/24 03:11	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/18/24 03:11	1
Carbon disulfide	**3.8**		1.6	0.40	ug/m3			09/18/24 03:11	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/18/24 03:11	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/18/24 03:11	1
tert-Butyl alcohol	**18**		15	3.6	ug/m3			09/18/24 03:11	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/18/24 03:11	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/18/24 03:11	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/18/24 03:11	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/18/24 03:11	1
Methyl Ethyl Ketone (2-Butanone)	**4.3**		1.5	1.4	ug/m3			09/18/24 03:11	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/18/24 03:11	1
Chloroform	**3.3**		0.98	0.20	ug/m3			09/18/24 03:11	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/18/24 03:11	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/18/24 03:11	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/18/24 03:11	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/18/24 03:11	1
2,2,4-Trimethylpentane	**0.25**	**J**	0.93	0.18	ug/m3			09/18/24 03:11	1
Benzene	**0.77**		0.64	0.14	ug/m3			09/18/24 03:11	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/18/24 03:11	1
n-Heptane	**1.1**		0.82	0.23	ug/m3			09/18/24 03:11	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/18/24 03:11	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/18/24 03:11	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/18/24 03:11	1
1,4-Dioxane	**1.7**	**J**	18	0.30	ug/m3			09/18/24 03:11	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/18/24 03:11	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/18/24 03:11	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/18/24 03:11	1
Toluene	**0.55**	**J**	0.75	0.23	ug/m3			09/18/24 03:11	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/18/24 03:11	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/18/24 03:11	1
Tetrachloroethene	**1.6**		1.4	0.14	ug/m3			09/18/24 03:11	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/18/24 03:11	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/18/24 03:11	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/18/24 03:11	1

Client Sample ID: RXSV-7
Lab Sample ID: 200-75119-6

Date Collected: 09/13/24 11:03
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/18/24 03:11	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			09/18/24 03:11	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			09/18/24 03:11	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			09/18/24 03:11	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/18/24 03:11	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/18/24 03:11	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/18/24 03:11	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/18/24 03:11	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/18/24 03:11	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/18/24 03:11	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			09/18/24 03:11	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/18/24 03:11	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/18/24 03:11	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			09/18/24 03:11	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/18/24 03:11	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/18/24 03:11	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/18/24 03:11	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/18/24 03:11	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/18/24 03:11	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/18/24 03:11	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/18/24 03:11	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/18/24 03:11	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/18/24 03:11	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/18/24 03:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.33**	**J**	0.50	0.11	ppb v/v			09/18/24 03:11	1
Chlorodifluoromethane	**0.22**	**J**	0.50	0.12	ppb v/v			09/18/24 03:11	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/18/24 03:11	1
Chloromethane	**0.19**	**J**	0.50	0.15	ppb v/v			09/18/24 03:11	1
n-Butane	**0.38**	**J**	0.50	0.20	ppb v/v			09/18/24 03:11	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/18/24 03:11	1
1,3-Butadiene	**0.052**	**J**	0.20	0.039	ppb v/v			09/18/24 03:11	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/18/24 03:11	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/18/24 03:11	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/18/24 03:11	1
Trichlorofluoromethane	**0.21**		0.20	0.050	ppb v/v			09/18/24 03:11	1
1,1,2-Trichlorotrifluoroethane	**0.059**	**J**	0.20	0.053	ppb v/v			09/18/24 03:11	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/18/24 03:11	1
Acetone	**16**		5.0	1.6	ppb v/v			09/18/24 03:11	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/18/24 03:11	1
Carbon disulfide	**1.2**		0.50	0.13	ppb v/v			09/18/24 03:11	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/18/24 03:11	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/18/24 03:11	1
tert-Butyl alcohol	**6.0**		5.0	1.2	ppb v/v			09/18/24 03:11	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/18/24 03:11	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/18/24 03:11	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/18/24 03:11	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/18/24 03:11	1

Client Sample ID: RXSV-7
Lab Sample ID: 200-75119-6

Date Collected: 09/13/24 11:03
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**1.5**		0.50	0.49	ppb v/v			09/18/24 03:11	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/18/24 03:11	1
Chloroform	**0.69**		0.20	0.041	ppb v/v			09/18/24 03:11	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/18/24 03:11	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/18/24 03:11	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/18/24 03:11	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/18/24 03:11	1
2,2,4-Trimethylpentane	**0.054**	**J**	0.20	0.038	ppb v/v			09/18/24 03:11	1
Benzene	**0.24**		0.20	0.044	ppb v/v			09/18/24 03:11	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/18/24 03:11	1
n-Heptane	**0.28**		0.20	0.055	ppb v/v			09/18/24 03:11	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/18/24 03:11	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/18/24 03:11	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/18/24 03:11	1
1,4-Dioxane	**0.46**	**J**	5.0	0.082	ppb v/v			09/18/24 03:11	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/18/24 03:11	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/18/24 03:11	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/18/24 03:11	1
Toluene	**0.15**	**J**	0.20	0.062	ppb v/v			09/18/24 03:11	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/18/24 03:11	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/18/24 03:11	1
Tetrachloroethene	**0.24**		0.20	0.021	ppb v/v			09/18/24 03:11	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/18/24 03:11	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/18/24 03:11	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/18/24 03:11	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/18/24 03:11	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			09/18/24 03:11	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			09/18/24 03:11	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			09/18/24 03:11	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/18/24 03:11	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/18/24 03:11	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/18/24 03:11	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/18/24 03:11	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/18/24 03:11	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/18/24 03:11	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			09/18/24 03:11	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/18/24 03:11	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/18/24 03:11	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			09/18/24 03:11	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/18/24 03:11	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/18/24 03:11	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/18/24 03:11	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/18/24 03:11	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/18/24 03:11	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/18/24 03:11	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/18/24 03:11	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/18/24 03:11	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/18/24 03:11	1

Client Sample ID: RXSV-7
Lab Sample ID: 200-75119-6

Date Collected: 09/13/24 11:03
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/18/24 03:11	1

Client Sample ID: RXSV-3
Lab Sample ID: 200-75119-7

Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.8**	**J**	2.5	0.54	ug/m3			09/18/24 04:02	1
Chlorodifluoromethane	**1.1**	**J**	1.8	0.42	ug/m3			09/18/24 04:02	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/18/24 04:02	1
Chloromethane	**0.91**	**J**	1.0	0.31	ug/m3			09/18/24 04:02	1
n-Butane	**3.7**		1.2	0.48	ug/m3			09/18/24 04:02	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/18/24 04:02	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/18/24 04:02	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/18/24 04:02	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/18/24 04:02	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/18/24 04:02	1
Trichlorofluoromethane	**1.3**		1.1	0.28	ug/m3			09/18/24 04:02	1
1,1,2-Trichlorotrifluoroethane	**0.55**	**J**	1.5	0.41	ug/m3			09/18/24 04:02	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/18/24 04:02	1
Acetone	**43**		12	3.8	ug/m3			09/18/24 04:02	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/18/24 04:02	1
Carbon disulfide	**5.8**		1.6	0.40	ug/m3			09/18/24 04:02	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/18/24 04:02	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/18/24 04:02	1
tert-Butyl alcohol	**7.7**	**J**	15	3.6	ug/m3			09/18/24 04:02	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/18/24 04:02	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/18/24 04:02	1
n-Hexane	**0.83**	**J**	1.8	0.39	ug/m3			09/18/24 04:02	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/18/24 04:02	1
Methyl Ethyl Ketone (2-Butanone)	**2.2**		1.5	1.4	ug/m3			09/18/24 04:02	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/18/24 04:02	1
Chloroform	**1.2**		0.98	0.20	ug/m3			09/18/24 04:02	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/18/24 04:02	1
1,1,1-Trichloroethane	**0.43**	**J**	1.1	0.24	ug/m3			09/18/24 04:02	1
Cyclohexane	**0.26**	**J**	0.69	0.20	ug/m3			09/18/24 04:02	1
Carbon tetrachloride	**0.21**	**J**	0.22	0.14	ug/m3			09/18/24 04:02	1
2,2,4-Trimethylpentane	**0.64**	**J**	0.93	0.18	ug/m3			09/18/24 04:02	1
Benzene	**1.5**		0.64	0.14	ug/m3			09/18/24 04:02	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/18/24 04:02	1
n-Heptane	**1.6**		0.82	0.23	ug/m3			09/18/24 04:02	1
Trichloroethene	**0.41**		0.20	0.13	ug/m3			09/18/24 04:02	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/18/24 04:02	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/18/24 04:02	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/18/24 04:02	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/18/24 04:02	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/18/24 04:02	1

Client Sample ID: RXSV-3
Lab Sample ID: 200-75119-7

Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/18/24 04:02	1
Toluene	**9.2**		0.75	0.23	ug/m3			09/18/24 04:02	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/18/24 04:02	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/18/24 04:02	1
Tetrachloroethene	**2.3**		1.4	0.14	ug/m3			09/18/24 04:02	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/18/24 04:02	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/18/24 04:02	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/18/24 04:02	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/18/24 04:02	1
Ethylbenzene	**1.9**		0.87	0.30	ug/m3			09/18/24 04:02	1
m,p-Xylene	**8.2**		2.2	0.41	ug/m3			09/18/24 04:02	1
o-Xylene	**2.2**		0.87	0.27	ug/m3			09/18/24 04:02	1
Styrene	**0.34**	**J**	0.85	0.25	ug/m3			09/18/24 04:02	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/18/24 04:02	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/18/24 04:02	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/18/24 04:02	1
n-Propylbenzene	**2.1**		0.98	0.23	ug/m3			09/18/24 04:02	1
4-Ethyltoluene	**4.7**		0.98	0.24	ug/m3			09/18/24 04:02	1
1,3,5-Trimethylbenzene	**1.2**		0.98	0.23	ug/m3			09/18/24 04:02	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/18/24 04:02	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/18/24 04:02	1
1,2,4-Trimethylbenzene	**4.4**		0.98	0.39	ug/m3			09/18/24 04:02	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/18/24 04:02	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/18/24 04:02	1
1,3-Dichlorobenzene	**4.2**		1.2	0.44	ug/m3			09/18/24 04:02	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/18/24 04:02	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/18/24 04:02	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/18/24 04:02	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/18/24 04:02	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/18/24 04:02	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/18/24 04:02	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/18/24 04:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.37**	**J**	0.50	0.11	ppb v/v			09/18/24 04:02	1
Chlorodifluoromethane	**0.31**	**J**	0.50	0.12	ppb v/v			09/18/24 04:02	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/18/24 04:02	1
Chloromethane	**0.44**	**J**	0.50	0.15	ppb v/v			09/18/24 04:02	1
n-Butane	**1.5**		0.50	0.20	ppb v/v			09/18/24 04:02	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/18/24 04:02	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/18/24 04:02	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/18/24 04:02	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/18/24 04:02	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/18/24 04:02	1
Trichlorofluoromethane	**0.24**		0.20	0.050	ppb v/v			09/18/24 04:02	1
1,1,2-Trichlorotrifluoroethane	**0.072**	**J**	0.20	0.053	ppb v/v			09/18/24 04:02	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/18/24 04:02	1
Acetone	**18**		5.0	1.6	ppb v/v			09/18/24 04:02	1

Client Sample ID: RXSV-3
Lab Sample ID: 200-75119-7

Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/18/24 04:02	1
Carbon disulfide	**1.9**		0.50	0.13	ppb v/v			09/18/24 04:02	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/18/24 04:02	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/18/24 04:02	1
tert-Butyl alcohol	**2.5**	**J**	5.0	1.2	ppb v/v			09/18/24 04:02	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/18/24 04:02	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/18/24 04:02	1
n-Hexane	**0.23**	**J**	0.50	0.11	ppb v/v			09/18/24 04:02	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/18/24 04:02	1
Methyl Ethyl Ketone (2-Butanone)	**0.76**		0.50	0.49	ppb v/v			09/18/24 04:02	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/18/24 04:02	1
Chloroform	**0.24**		0.20	0.041	ppb v/v			09/18/24 04:02	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/18/24 04:02	1
1,1,1-Trichloroethane	**0.079**	**J**	0.20	0.044	ppb v/v			09/18/24 04:02	1
Cyclohexane	**0.076**	**J**	0.20	0.058	ppb v/v			09/18/24 04:02	1
Carbon tetrachloride	**0.034**	**J**	0.035	0.022	ppb v/v			09/18/24 04:02	1
2,2,4-Trimethylpentane	**0.14**	**J**	0.20	0.038	ppb v/v			09/18/24 04:02	1
Benzene	**0.47**		0.20	0.044	ppb v/v			09/18/24 04:02	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/18/24 04:02	1
n-Heptane	**0.40**		0.20	0.055	ppb v/v			09/18/24 04:02	1
Trichloroethene	**0.075**		0.037	0.025	ppb v/v			09/18/24 04:02	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/18/24 04:02	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/18/24 04:02	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/18/24 04:02	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/18/24 04:02	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/18/24 04:02	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/18/24 04:02	1
Toluene	**2.4**		0.20	0.062	ppb v/v			09/18/24 04:02	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/18/24 04:02	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/18/24 04:02	1
Tetrachloroethene	**0.34**		0.20	0.021	ppb v/v			09/18/24 04:02	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/18/24 04:02	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/18/24 04:02	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/18/24 04:02	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/18/24 04:02	1
Ethylbenzene	**0.44**		0.20	0.069	ppb v/v			09/18/24 04:02	1
m,p-Xylene	**1.9**		0.50	0.095	ppb v/v			09/18/24 04:02	1
o-Xylene	**0.52**		0.20	0.063	ppb v/v			09/18/24 04:02	1
Styrene	**0.081**	**J**	0.20	0.059	ppb v/v			09/18/24 04:02	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/18/24 04:02	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/18/24 04:02	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/18/24 04:02	1
n-Propylbenzene	**0.42**		0.20	0.047	ppb v/v			09/18/24 04:02	1
4-Ethyltoluene	**0.95**		0.20	0.049	ppb v/v			09/18/24 04:02	1
1,3,5-Trimethylbenzene	**0.25**		0.20	0.047	ppb v/v			09/18/24 04:02	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/18/24 04:02	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/18/24 04:02	1
1,2,4-Trimethylbenzene	**0.90**		0.20	0.080	ppb v/v			09/18/24 04:02	1

Client Sample ID: RXSV-3
Lab Sample ID: 200-75119-7

Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/18/24 04:02	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/18/24 04:02	1
1,3-Dichlorobenzene	**0.70**		0.20	0.074	ppb v/v			09/18/24 04:02	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/18/24 04:02	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/18/24 04:02	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/18/24 04:02	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/18/24 04:02	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/18/24 04:02	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/18/24 04:02	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/18/24 04:02	1

Client Sample ID: RXSV-5
Lab Sample ID: 200-75119-8

Date Collected: 09/13/24 11:09
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.4**	**J**	2.5	0.54	ug/m3			09/18/24 04:54	1
Chlorodifluoromethane	**0.56**	**J**	1.8	0.42	ug/m3			09/18/24 04:54	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/18/24 04:54	1
Chloromethane	**0.82**	**J**	1.0	0.31	ug/m3			09/18/24 04:54	1
n-Butane	**1.3**		1.2	0.48	ug/m3			09/18/24 04:54	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/18/24 04:54	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/18/24 04:54	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/18/24 04:54	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/18/24 04:54	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/18/24 04:54	1
Trichlorofluoromethane	**1.4**		1.1	0.28	ug/m3			09/18/24 04:54	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/18/24 04:54	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/18/24 04:54	1
Acetone	**27**		12	3.8	ug/m3			09/18/24 04:54	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/18/24 04:54	1
Carbon disulfide	**7.0**		1.6	0.40	ug/m3			09/18/24 04:54	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/18/24 04:54	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/18/24 04:54	1
tert-Butyl alcohol	**7.9**	**J**	15	3.6	ug/m3			09/18/24 04:54	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/18/24 04:54	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/18/24 04:54	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/18/24 04:54	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/18/24 04:54	1
Methyl Ethyl Ketone (2-Butanone)	**3.2**		1.5	1.4	ug/m3			09/18/24 04:54	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/18/24 04:54	1
Chloroform	**1.8**		0.98	0.20	ug/m3			09/18/24 04:54	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/18/24 04:54	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/18/24 04:54	1
Cyclohexane	**0.20**	**J**	0.69	0.20	ug/m3			09/18/24 04:54	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/18/24 04:54	1
2,2,4-Trimethylpentane	**0.20**	**J**	0.93	0.18	ug/m3			09/18/24 04:54	1

Client Sample ID: RXSV-5
Lab Sample ID: 200-75119-8

Date Collected: 09/13/24 11:09
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.87**		0.64	0.14	ug/m3			09/18/24 04:54	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/18/24 04:54	1
n-Heptane	**1.4**		0.82	0.23	ug/m3			09/18/24 04:54	1
Trichloroethene	**0.15**	**J**	0.20	0.13	ug/m3			09/18/24 04:54	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/18/24 04:54	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/18/24 04:54	1
1,4-Dioxane	**0.40**	**J**	18	0.30	ug/m3			09/18/24 04:54	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/18/24 04:54	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/18/24 04:54	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/18/24 04:54	1
Toluene	**2.0**		0.75	0.23	ug/m3			09/18/24 04:54	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/18/24 04:54	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/18/24 04:54	1
Tetrachloroethene	**42**		1.4	0.14	ug/m3			09/18/24 04:54	1
Methyl Butyl Ketone (2-Hexanone)	**0.64**	**J**	2.0	0.61	ug/m3			09/18/24 04:54	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/18/24 04:54	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/18/24 04:54	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/18/24 04:54	1
Ethylbenzene	**0.42**	**J**	0.87	0.30	ug/m3			09/18/24 04:54	1
m,p-Xylene	**1.3**	**J**	2.2	0.41	ug/m3			09/18/24 04:54	1
o-Xylene	**0.67**	**J**	0.87	0.27	ug/m3			09/18/24 04:54	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/18/24 04:54	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/18/24 04:54	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/18/24 04:54	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/18/24 04:54	1
n-Propylbenzene	**0.26**	**J**	0.98	0.23	ug/m3			09/18/24 04:54	1
4-Ethyltoluene	**0.29**	**J**	0.98	0.24	ug/m3			09/18/24 04:54	1
1,3,5-Trimethylbenzene	**0.50**	**J**	0.98	0.23	ug/m3			09/18/24 04:54	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/18/24 04:54	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/18/24 04:54	1
1,2,4-Trimethylbenzene	**1.7**		0.98	0.39	ug/m3			09/18/24 04:54	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/18/24 04:54	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/18/24 04:54	1
1,3-Dichlorobenzene	**3.1**		1.2	0.44	ug/m3			09/18/24 04:54	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/18/24 04:54	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/18/24 04:54	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/18/24 04:54	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/18/24 04:54	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/18/24 04:54	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/18/24 04:54	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/18/24 04:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.29**	**J**	0.50	0.11	ppb v/v			09/18/24 04:54	1
Chlorodifluoromethane	**0.16**	**J**	0.50	0.12	ppb v/v			09/18/24 04:54	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/18/24 04:54	1
Chloromethane	**0.40**	**J**	0.50	0.15	ppb v/v			09/18/24 04:54	1
n-Butane	**0.54**		0.50	0.20	ppb v/v			09/18/24 04:54	1

Client Sample ID: RXSV-5
Lab Sample ID: 200-75119-8

Date Collected: 09/13/24 11:09
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/18/24 04:54	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/18/24 04:54	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/18/24 04:54	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/18/24 04:54	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/18/24 04:54	1
Trichlorofluoromethane	**0.24**		0.20	0.050	ppb v/v			09/18/24 04:54	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/18/24 04:54	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/18/24 04:54	1
Acetone	**11**		5.0	1.6	ppb v/v			09/18/24 04:54	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/18/24 04:54	1
Carbon disulfide	**2.3**		0.50	0.13	ppb v/v			09/18/24 04:54	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/18/24 04:54	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/18/24 04:54	1
tert-Butyl alcohol	**2.6**	**J**	5.0	1.2	ppb v/v			09/18/24 04:54	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/18/24 04:54	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/18/24 04:54	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/18/24 04:54	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/18/24 04:54	1
Methyl Ethyl Ketone (2-Butanone)	**1.1**		0.50	0.49	ppb v/v			09/18/24 04:54	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/18/24 04:54	1
Chloroform	**0.36**		0.20	0.041	ppb v/v			09/18/24 04:54	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/18/24 04:54	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/18/24 04:54	1
Cyclohexane	**0.059**	**J**	0.20	0.058	ppb v/v			09/18/24 04:54	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/18/24 04:54	1
2,2,4-Trimethylpentane	**0.044**	**J**	0.20	0.038	ppb v/v			09/18/24 04:54	1
Benzene	**0.27**		0.20	0.044	ppb v/v			09/18/24 04:54	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/18/24 04:54	1
n-Heptane	**0.34**		0.20	0.055	ppb v/v			09/18/24 04:54	1
Trichloroethene	**0.029**	**J**	0.037	0.025	ppb v/v			09/18/24 04:54	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/18/24 04:54	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/18/24 04:54	1
1,4-Dioxane	**0.11**	**J**	5.0	0.082	ppb v/v			09/18/24 04:54	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/18/24 04:54	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/18/24 04:54	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/18/24 04:54	1
Toluene	**0.52**		0.20	0.062	ppb v/v			09/18/24 04:54	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/18/24 04:54	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/18/24 04:54	1
Tetrachloroethene	**6.2**		0.20	0.021	ppb v/v			09/18/24 04:54	1
Methyl Butyl Ketone (2-Hexanone)	**0.16**	**J**	0.50	0.15	ppb v/v			09/18/24 04:54	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/18/24 04:54	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/18/24 04:54	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/18/24 04:54	1
Ethylbenzene	**0.096**	**J**	0.20	0.069	ppb v/v			09/18/24 04:54	1
m,p-Xylene	**0.30**	**J**	0.50	0.095	ppb v/v			09/18/24 04:54	1
o-Xylene	**0.15**	**J**	0.20	0.063	ppb v/v			09/18/24 04:54	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/18/24 04:54	1

Client Sample ID: RXSV-5
Lab Sample ID: 200-75119-8

Date Collected: 09/13/24 11:09
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/18/24 04:54	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/18/24 04:54	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/18/24 04:54	1
n-Propylbenzene	**0.053**	**J**	0.20	0.047	ppb v/v			09/18/24 04:54	1
4-Ethyltoluene	**0.060**	**J**	0.20	0.049	ppb v/v			09/18/24 04:54	1
1,3,5-Trimethylbenzene	**0.10**	**J**	0.20	0.047	ppb v/v			09/18/24 04:54	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/18/24 04:54	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/18/24 04:54	1
1,2,4-Trimethylbenzene	**0.35**		0.20	0.080	ppb v/v			09/18/24 04:54	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/18/24 04:54	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/18/24 04:54	1
1,3-Dichlorobenzene	**0.52**		0.20	0.074	ppb v/v			09/18/24 04:54	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/18/24 04:54	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/18/24 04:54	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/18/24 04:54	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/18/24 04:54	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/18/24 04:54	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/18/24 04:54	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/18/24 04:54	1

Client Sample ID: RXSV-1
Lab Sample ID: 200-75119-9

Date Collected: 09/13/24 11:12
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.1**	**J**	2.5	0.54	ug/m3			09/17/24 20:19	1
Chlorodifluoromethane	**1.0**	**J**	1.8	0.42	ug/m3			09/17/24 20:19	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/17/24 20:19	1
Chloromethane	**0.34**	**J**	1.0	0.31	ug/m3			09/17/24 20:19	1
n-Butane	**1.1**	**J**	1.2	0.48	ug/m3			09/17/24 20:19	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/17/24 20:19	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/17/24 20:19	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/17/24 20:19	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/17/24 20:19	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/17/24 20:19	1
Trichlorofluoromethane	**1.1**		1.1	0.28	ug/m3			09/17/24 20:19	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/17/24 20:19	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/17/24 20:19	1
Acetone	**54**		12	3.8	ug/m3			09/17/24 20:19	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/17/24 20:19	1
Carbon disulfide	**3.3**		1.6	0.40	ug/m3			09/17/24 20:19	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/17/24 20:19	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/17/24 20:19	1
tert-Butyl alcohol	**20**		15	3.6	ug/m3			09/17/24 20:19	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/17/24 20:19	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/17/24 20:19	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/17/24 20:19	1

Client Sample ID: RXSV-1
Lab Sample ID: 200-75119-9

Date Collected: 09/13/24 11:12
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/17/24 20:19	1
Methyl Ethyl Ketone (2-Butanone)	**6.8**		1.5	1.4	ug/m3			09/17/24 20:19	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/17/24 20:19	1
Chloroform	**1.8**		0.98	0.20	ug/m3			09/17/24 20:19	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/17/24 20:19	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/17/24 20:19	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/17/24 20:19	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/17/24 20:19	1
2,2,4-Trimethylpentane	**0.25**	**J**	0.93	0.18	ug/m3			09/17/24 20:19	1
Benzene	**1.3**		0.64	0.14	ug/m3			09/17/24 20:19	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/17/24 20:19	1
n-Heptane	**2.3**		0.82	0.23	ug/m3			09/17/24 20:19	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/17/24 20:19	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/17/24 20:19	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/17/24 20:19	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/17/24 20:19	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/17/24 20:19	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/17/24 20:19	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**0.57**	**J**	2.0	0.53	ug/m3			09/17/24 20:19	1
Toluene	**5.1**		0.75	0.23	ug/m3			09/17/24 20:19	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/17/24 20:19	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/17/24 20:19	1
Tetrachloroethene	**0.82**	**J**	1.4	0.14	ug/m3			09/17/24 20:19	1
Methyl Butyl Ketone (2-Hexanone)	**1.1**	**J**	2.0	0.61	ug/m3			09/17/24 20:19	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/17/24 20:19	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/17/24 20:19	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/17/24 20:19	1
Ethylbenzene	**1.2**		0.87	0.30	ug/m3			09/17/24 20:19	1
m,p-Xylene	**4.7**		2.2	0.41	ug/m3			09/17/24 20:19	1
o-Xylene	**1.2**		0.87	0.27	ug/m3			09/17/24 20:19	1
Styrene	**0.66**	**J**	0.85	0.25	ug/m3			09/17/24 20:19	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/17/24 20:19	1
Cumene	**0.48**	**J**	0.98	0.20	ug/m3			09/17/24 20:19	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/17/24 20:19	1
n-Propylbenzene	**0.98**		0.98	0.23	ug/m3			09/17/24 20:19	1
4-Ethyltoluene	**2.4**		0.98	0.24	ug/m3			09/17/24 20:19	1
1,3,5-Trimethylbenzene	**0.76**	**J**	0.98	0.23	ug/m3			09/17/24 20:19	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/17/24 20:19	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/17/24 20:19	1
1,2,4-Trimethylbenzene	**2.5**		0.98	0.39	ug/m3			09/17/24 20:19	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/17/24 20:19	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/17/24 20:19	1
1,3-Dichlorobenzene	**3.5**		1.2	0.44	ug/m3			09/17/24 20:19	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/17/24 20:19	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/17/24 20:19	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/17/24 20:19	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/17/24 20:19	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/17/24 20:19	1

Client Sample ID: RXSV-1
Lab Sample ID: 200-75119-9

Date Collected: 09/13/24 11:12
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/17/24 20:19	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/17/24 20:19	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.43**	**J**	0.50	0.11	ppb v/v			09/17/24 20:19	1
Chlorodifluoromethane	**0.30**	**J**	0.50	0.12	ppb v/v			09/17/24 20:19	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/17/24 20:19	1
Chloromethane	**0.16**	**J**	0.50	0.15	ppb v/v			09/17/24 20:19	1
n-Butane	**0.47**	**J**	0.50	0.20	ppb v/v			09/17/24 20:19	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/17/24 20:19	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/17/24 20:19	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/17/24 20:19	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/17/24 20:19	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/17/24 20:19	1
Trichlorofluoromethane	**0.19**		0.20	0.050	ppb v/v			09/17/24 20:19	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/17/24 20:19	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/17/24 20:19	1
Acetone	**23**		5.0	1.6	ppb v/v			09/17/24 20:19	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/17/24 20:19	1
Carbon disulfide	**1.1**		0.50	0.13	ppb v/v			09/17/24 20:19	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/17/24 20:19	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/17/24 20:19	1
tert-Butyl alcohol	**6.6**		5.0	1.2	ppb v/v			09/17/24 20:19	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/17/24 20:19	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/17/24 20:19	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/17/24 20:19	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/17/24 20:19	1
Methyl Ethyl Ketone (2-Butanone)	**2.3**		0.50	0.49	ppb v/v			09/17/24 20:19	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/17/24 20:19	1
Chloroform	**0.36**		0.20	0.041	ppb v/v			09/17/24 20:19	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/17/24 20:19	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/17/24 20:19	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/17/24 20:19	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/17/24 20:19	1
2,2,4-Trimethylpentane	**0.053**	**J**	0.20	0.038	ppb v/v			09/17/24 20:19	1
Benzene	**0.40**		0.20	0.044	ppb v/v			09/17/24 20:19	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/17/24 20:19	1
n-Heptane	**0.56**		0.20	0.055	ppb v/v			09/17/24 20:19	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/17/24 20:19	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/17/24 20:19	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/17/24 20:19	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/17/24 20:19	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/17/24 20:19	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/17/24 20:19	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**0.14**	**J**	0.50	0.13	ppb v/v			09/17/24 20:19	1
Toluene	**1.4**		0.20	0.062	ppb v/v			09/17/24 20:19	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/17/24 20:19	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/17/24 20:19	1

Client Sample ID: RXSV-1
Lab Sample ID: 200-75119-9

Date Collected: 09/13/24 11:12
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.12**	**J**	0.20	0.021	ppb v/v			09/17/24 20:19	1
Methyl Butyl Ketone (2-Hexanone)	**0.27**	**J**	0.50	0.15	ppb v/v			09/17/24 20:19	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/17/24 20:19	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/17/24 20:19	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/17/24 20:19	1
Ethylbenzene	**0.27**		0.20	0.069	ppb v/v			09/17/24 20:19	1
m,p-Xylene	**1.1**		0.50	0.095	ppb v/v			09/17/24 20:19	1
o-Xylene	**0.27**		0.20	0.063	ppb v/v			09/17/24 20:19	1
Styrene	**0.16**	**J**	0.20	0.059	ppb v/v			09/17/24 20:19	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/17/24 20:19	1
Cumene	**0.097**	**J**	0.20	0.041	ppb v/v			09/17/24 20:19	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/17/24 20:19	1
n-Propylbenzene	**0.20**		0.20	0.047	ppb v/v			09/17/24 20:19	1
4-Ethyltoluene	**0.49**		0.20	0.049	ppb v/v			09/17/24 20:19	1
1,3,5-Trimethylbenzene	**0.15**	**J**	0.20	0.047	ppb v/v			09/17/24 20:19	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/17/24 20:19	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 20:19	1
1,2,4-Trimethylbenzene	**0.52**		0.20	0.080	ppb v/v			09/17/24 20:19	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/17/24 20:19	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/17/24 20:19	1
1,3-Dichlorobenzene	**0.59**		0.20	0.074	ppb v/v			09/17/24 20:19	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/17/24 20:19	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/17/24 20:19	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/17/24 20:19	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/17/24 20:19	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/17/24 20:19	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/17/24 20:19	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/17/24 20:19	1

Client Sample ID: DUP_09132024
Lab Sample ID: 200-75119-10

Date Collected: 09/13/24 14:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.1**	**J**	2.5	0.54	ug/m3			09/17/24 21:14	1
Chlorodifluoromethane	**0.92**	**J**	1.8	0.42	ug/m3			09/17/24 21:14	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/17/24 21:14	1
Chloromethane	**0.79**	**J**	1.0	0.31	ug/m3			09/17/24 21:14	1
n-Butane	**1.4**		1.2	0.48	ug/m3			09/17/24 21:14	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/17/24 21:14	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/17/24 21:14	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/17/24 21:14	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/17/24 21:14	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/17/24 21:14	1
Trichlorofluoromethane	**1.6**		1.1	0.28	ug/m3			09/17/24 21:14	1
1,1,2-Trichlorotrifluoroethane	**0.42**	**J**	1.5	0.41	ug/m3			09/17/24 21:14	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/17/24 21:14	1

Client Sample ID: DUP_09132024
Lab Sample ID: 200-75119-10

Date Collected: 09/13/24 14:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**28**		12	3.8	ug/m3			09/17/24 21:14	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/17/24 21:14	1
Carbon disulfide	**2.7**		1.6	0.40	ug/m3			09/17/24 21:14	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/17/24 21:14	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/17/24 21:14	1
tert-Butyl alcohol	**8.3**	**J**	15	3.6	ug/m3			09/17/24 21:14	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/17/24 21:14	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/17/24 21:14	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/17/24 21:14	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/17/24 21:14	1
Methyl Ethyl Ketone (2-Butanone)	**2.1**		1.5	1.4	ug/m3			09/17/24 21:14	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/17/24 21:14	1
Chloroform	**1.9**		0.98	0.20	ug/m3			09/17/24 21:14	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/17/24 21:14	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/17/24 21:14	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/17/24 21:14	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/17/24 21:14	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			09/17/24 21:14	1
Benzene	**0.45**	**J**	0.64	0.14	ug/m3			09/17/24 21:14	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/17/24 21:14	1
n-Heptane	**0.47**	**J**	0.82	0.23	ug/m3			09/17/24 21:14	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/17/24 21:14	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/17/24 21:14	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/17/24 21:14	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/17/24 21:14	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/17/24 21:14	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/17/24 21:14	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/17/24 21:14	1
Toluene	**0.96**		0.75	0.23	ug/m3			09/17/24 21:14	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/17/24 21:14	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/17/24 21:14	1
Tetrachloroethene	**44**		1.4	0.14	ug/m3			09/17/24 21:14	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/17/24 21:14	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/17/24 21:14	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/17/24 21:14	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/17/24 21:14	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			09/17/24 21:14	1
m,p-Xylene	**0.76**	**J**	2.2	0.41	ug/m3			09/17/24 21:14	1
o-Xylene	**0.42**	**J**	0.87	0.27	ug/m3			09/17/24 21:14	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/17/24 21:14	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/17/24 21:14	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/17/24 21:14	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/17/24 21:14	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/17/24 21:14	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/17/24 21:14	1
1,3,5-Trimethylbenzene	**0.54**	**J**	0.98	0.23	ug/m3			09/17/24 21:14	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/17/24 21:14	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/17/24 21:14	1

Client Sample ID: DUP_09132024
Lab Sample ID: 200-75119-10

Date Collected: 09/13/24 14:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**0.92**	**J**	0.98	0.39	ug/m3			09/17/24 21:14	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/17/24 21:14	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/17/24 21:14	1
1,3-Dichlorobenzene	**1.4**		1.2	0.44	ug/m3			09/17/24 21:14	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/17/24 21:14	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/17/24 21:14	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/17/24 21:14	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/17/24 21:14	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/17/24 21:14	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/17/24 21:14	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/17/24 21:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.43**	**J**	0.50	0.11	ppb v/v			09/17/24 21:14	1
Chlorodifluoromethane	**0.26**	**J**	0.50	0.12	ppb v/v			09/17/24 21:14	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/17/24 21:14	1
Chloromethane	**0.38**	**J**	0.50	0.15	ppb v/v			09/17/24 21:14	1
n-Butane	**0.59**		0.50	0.20	ppb v/v			09/17/24 21:14	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/17/24 21:14	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/17/24 21:14	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/17/24 21:14	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/17/24 21:14	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/17/24 21:14	1
Trichlorofluoromethane	**0.29**		0.20	0.050	ppb v/v			09/17/24 21:14	1
1,1,2-Trichlorotrifluoroethane	**0.055**	**J**	0.20	0.053	ppb v/v			09/17/24 21:14	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/17/24 21:14	1
Acetone	**12**		5.0	1.6	ppb v/v			09/17/24 21:14	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/17/24 21:14	1
Carbon disulfide	**0.86**		0.50	0.13	ppb v/v			09/17/24 21:14	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/17/24 21:14	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/17/24 21:14	1
tert-Butyl alcohol	**2.7**	**J**	5.0	1.2	ppb v/v			09/17/24 21:14	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/17/24 21:14	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/17/24 21:14	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/17/24 21:14	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/17/24 21:14	1
Methyl Ethyl Ketone (2-Butanone)	**0.71**		0.50	0.49	ppb v/v			09/17/24 21:14	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/17/24 21:14	1
Chloroform	**0.39**		0.20	0.041	ppb v/v			09/17/24 21:14	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/17/24 21:14	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/17/24 21:14	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/17/24 21:14	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/17/24 21:14	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			09/17/24 21:14	1
Benzene	**0.14**	**J**	0.20	0.044	ppb v/v			09/17/24 21:14	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/17/24 21:14	1
n-Heptane	**0.11**	**J**	0.20	0.055	ppb v/v			09/17/24 21:14	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/17/24 21:14	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/17/24 21:14	1

Client Sample ID: DUP_09132024
Lab Sample ID: 200-75119-10

Date Collected: 09/13/24 14:00
Matrix: Air
Date Received: 09/14/24 09:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/17/24 21:14	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/17/24 21:14	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/17/24 21:14	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/17/24 21:14	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/17/24 21:14	1
Toluene	**0.25**		0.20	0.062	ppb v/v			09/17/24 21:14	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/17/24 21:14	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/17/24 21:14	1
Tetrachloroethene	**6.5**		0.20	0.021	ppb v/v			09/17/24 21:14	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/17/24 21:14	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/17/24 21:14	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/17/24 21:14	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/17/24 21:14	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			09/17/24 21:14	1
m,p-Xylene	**0.18**	**J**	0.50	0.095	ppb v/v			09/17/24 21:14	1
o-Xylene	**0.096**	**J**	0.20	0.063	ppb v/v			09/17/24 21:14	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/17/24 21:14	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/17/24 21:14	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/17/24 21:14	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/17/24 21:14	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 21:14	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/17/24 21:14	1
1,3,5-Trimethylbenzene	**0.11**	**J**	0.20	0.047	ppb v/v			09/17/24 21:14	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/17/24 21:14	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 21:14	1
1,2,4-Trimethylbenzene	**0.19**	**J**	0.20	0.080	ppb v/v			09/17/24 21:14	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/17/24 21:14	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/17/24 21:14	1
1,3-Dichlorobenzene	**0.23**		0.20	0.074	ppb v/v			09/17/24 21:14	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/17/24 21:14	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/17/24 21:14	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/17/24 21:14	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/17/24 21:14	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/17/24 21:14	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/17/24 21:14	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/17/24 21:14	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	1.1	0.24	ug/m3
1,1,1-Trichloroethane	0.20	0.044	ppb v/v
1,1,2,2-Tetrachloroethane	1.4	0.30	ug/m3
1,1,2,2-Tetrachloroethane	0.20	0.043	ppb v/v
1,1,2-Trichloroethane	1.1	0.40	ug/m3
1,1,2-Trichloroethane	0.20	0.074	ppb v/v
1,1,2-Trichlorotrifluoroethane	1.5	0.41	ug/m3
1,1,2-Trichlorotrifluoroethane	0.20	0.053	ppb v/v
1,1-Dichloroethane	0.81	0.10	ug/m3
1,1-Dichloroethane	0.20	0.025	ppb v/v
1,1-Dichloroethene	0.20	0.10	ug/m3
1,1-Dichloroethene	0.050	0.026	ppb v/v
1,2,4-Trichlorobenzene	3.7	2.4	ug/m3
1,2,4-Trichlorobenzene	0.50	0.33	ppb v/v
1,2,4-Trimethylbenzene	0.98	0.39	ug/m3
1,2,4-Trimethylbenzene	0.20	0.080	ppb v/v
1,2-Dibromoethane	1.5	0.32	ug/m3
1,2-Dibromoethane	0.20	0.042	ppb v/v
1,2-Dichlorobenzene	1.2	0.40	ug/m3
1,2-Dichlorobenzene	0.20	0.066	ppb v/v
1,2-Dichloroethane	0.81	0.38	ug/m3
1,2-Dichloroethane	0.20	0.093	ppb v/v
1,2-Dichloropropane	0.92	0.43	ug/m3
1,2-Dichloropropane	0.20	0.094	ppb v/v
1,2-Dichlorotetrafluoroethane	1.4	0.34	ug/m3
1,2-Dichlorotetrafluoroethane	0.20	0.048	ppb v/v
1,3,5-Trimethylbenzene	0.98	0.23	ug/m3
1,3,5-Trimethylbenzene	0.20	0.047	ppb v/v
1,3-Butadiene	0.44	0.086	ug/m3
1,3-Butadiene	0.20	0.039	ppb v/v
1,3-Dichlorobenzene	1.2	0.44	ug/m3
1,3-Dichlorobenzene	0.20	0.074	ppb v/v
1,4-Dichlorobenzene	1.2	0.54	ug/m3
1,4-Dichlorobenzene	0.20	0.089	ppb v/v
1,4-Dioxane	18	0.30	ug/m3
1,4-Dioxane	5.0	0.082	ppb v/v
2,2,4-Trimethylpentane	0.93	0.18	ug/m3
2,2,4-Trimethylpentane	0.20	0.038	ppb v/v
2-Chlorotoluene	1.0	0.24	ug/m3
2-Chlorotoluene	0.20	0.046	ppb v/v
3-Chloropropene	1.6	0.38	ug/m3
3-Chloropropene	0.50	0.12	ppb v/v
4-Ethyltoluene	0.98	0.24	ug/m3
4-Ethyltoluene	0.20	0.049	ppb v/v
4-Isopropyltoluene	1.1	0.33	ug/m3
4-Isopropyltoluene	0.20	0.061	ppb v/v
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	0.53	ug/m3
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	0.13	ppb v/v
Acetone	12	3.8	ug/m3
Acetone	5.0	1.6	ppb v/v
Benzene	0.64	0.14	ug/m3
Benzene	0.20	0.044	ppb v/v
Benzyl chloride	1.0	0.46	ug/m3

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	RL	MDL	Units
Benzyl chloride	0.20	0.088	ppb v/v
Bromodichloromethane	1.3	0.34	ug/m3
Bromodichloromethane	0.20	0.050	ppb v/v
Bromoethene(Vinyl Bromide)	0.87	0.22	ug/m3
Bromoethene(Vinyl Bromide)	0.20	0.050	ppb v/v
Bromoform	2.1	1.2	ug/m3
Bromoform	0.20	0.12	ppb v/v
Bromomethane	0.78	0.28	ug/m3
Bromomethane	0.20	0.071	ppb v/v
Carbon disulfide	1.6	0.40	ug/m3
Carbon disulfide	0.50	0.13	ppb v/v
Carbon tetrachloride	0.22	0.14	ug/m3
Carbon tetrachloride	0.035	0.022	ppb v/v
Chlorobenzene	0.92	0.20	ug/m3
Chlorobenzene	0.20	0.044	ppb v/v
Chlorodifluoromethane	1.8	0.42	ug/m3
Chlorodifluoromethane	0.50	0.12	ppb v/v
Chloroethane	1.3	0.47	ug/m3
Chloroethane	0.50	0.18	ppb v/v
Chloroform	0.98	0.20	ug/m3
Chloroform	0.20	0.041	ppb v/v
Chloromethane	1.0	0.31	ug/m3
Chloromethane	0.50	0.15	ppb v/v
cis-1,2-Dichloroethene	0.20	0.083	ug/m3
cis-1,2-Dichloroethene	0.050	0.021	ppb v/v
cis-1,3-Dichloropropene	0.91	0.20	ug/m3
cis-1,3-Dichloropropene	0.20	0.045	ppb v/v
Cumene	0.98	0.20	ug/m3
Cumene	0.20	0.041	ppb v/v
Cyclohexane	0.69	0.20	ug/m3
Cyclohexane	0.20	0.058	ppb v/v
Dibromochloromethane	1.7	0.54	ug/m3
Dibromochloromethane	0.20	0.063	ppb v/v
Dichlorodifluoromethane	2.5	0.54	ug/m3
Dichlorodifluoromethane	0.50	0.11	ppb v/v
Ethylbenzene	0.87	0.30	ug/m3
Ethylbenzene	0.20	0.069	ppb v/v
Hexachlorobutadiene	2.1	1.2	ug/m3
Hexachlorobutadiene	0.20	0.11	ppb v/v
Isopropyl alcohol	12	3.9	ug/m3
Isopropyl alcohol	5.0	1.6	ppb v/v
m,p-Xylene	2.2	0.41	ug/m3
m,p-Xylene	0.50	0.095	ppb v/v
Methyl Butyl Ketone (2-Hexanone)	2.0	0.61	ug/m3
Methyl Butyl Ketone (2-Hexanone)	0.50	0.15	ppb v/v
Methyl Ethyl Ketone (2-Butanone)	1.5	1.4	ug/m3
Methyl Ethyl Ketone (2-Butanone)	0.50	0.49	ppb v/v
Methyl methacrylate	2.0	0.57	ug/m3
Methyl methacrylate	0.50	0.14	ppb v/v
Methyl tert-butyl ether	0.72	0.13	ug/m3
Methyl tert-butyl ether	0.20	0.036	ppb v/v
Methylene Chloride	1.7	0.63	ug/m3
Methylene Chloride	0.50	0.18	ppb v/v

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	RL	MDL	Units
Naphthalene	2.0	1.6	ug/m3
Naphthalene	0.38	0.30	ppb v/v
n-Butane	1.2	0.48	ug/m3
n-Butane	0.50	0.20	ppb v/v
n-Butylbenzene	1.1	0.60	ug/m3
n-Butylbenzene	0.20	0.11	ppb v/v
n-Heptane	0.82	0.23	ug/m3
n-Heptane	0.20	0.055	ppb v/v
n-Hexane	1.8	0.39	ug/m3
n-Hexane	0.50	0.11	ppb v/v
n-Propylbenzene	0.98	0.23	ug/m3
n-Propylbenzene	0.20	0.047	ppb v/v
o-Xylene	0.87	0.27	ug/m3
o-Xylene	0.20	0.063	ppb v/v
sec-Butylbenzene	1.1	0.25	ug/m3
sec-Butylbenzene	0.20	0.045	ppb v/v
Styrene	0.85	0.25	ug/m3
Styrene	0.20	0.059	ppb v/v
tert-Butyl alcohol	15	3.6	ug/m3
tert-Butyl alcohol	5.0	1.2	ppb v/v
tert-Butylbenzene	1.1	0.26	ug/m3
tert-Butylbenzene	0.20	0.047	ppb v/v
Tetrachloroethene	1.4	0.14	ug/m3
Tetrachloroethene	0.20	0.021	ppb v/v
Tetrahydrofuran	15	3.8	ug/m3
Tetrahydrofuran	5.0	1.3	ppb v/v
Toluene	0.75	0.23	ug/m3
Toluene	0.20	0.062	ppb v/v
trans-1,2-Dichloroethene	0.79	0.091	ug/m3
trans-1,2-Dichloroethene	0.20	0.023	ppb v/v
trans-1,3-Dichloropropene	0.91	0.25	ug/m3
trans-1,3-Dichloropropene	0.20	0.054	ppb v/v
Trichloroethene	0.20	0.13	ug/m3
Trichloroethene	0.037	0.025	ppb v/v
Trichlorofluoromethane	1.1	0.28	ug/m3
Trichlorofluoromethane	0.20	0.050	ppb v/v
Vinyl chloride	0.20	0.054	ug/m3
Vinyl chloride	0.078	0.021	ppb v/v

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-208689/5
Matrix: Air
Analysis Batch: 208689

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			09/17/24 10:37	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			09/17/24 10:37	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/17/24 10:37	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			09/17/24 10:37	1
n-Butane	1.2	U	1.2	0.48	ug/m3			09/17/24 10:37	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/17/24 10:37	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/17/24 10:37	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/17/24 10:37	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/17/24 10:37	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/17/24 10:37	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			09/17/24 10:37	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/17/24 10:37	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/17/24 10:37	1
Acetone	12	U	12	3.8	ug/m3			09/17/24 10:37	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/17/24 10:37	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			09/17/24 10:37	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/17/24 10:37	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/17/24 10:37	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			09/17/24 10:37	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/17/24 10:37	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/17/24 10:37	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/17/24 10:37	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/17/24 10:37	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			09/17/24 10:37	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/17/24 10:37	1
Chloroform	0.98	U	0.98	0.20	ug/m3			09/17/24 10:37	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/17/24 10:37	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/17/24 10:37	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/17/24 10:37	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/17/24 10:37	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			09/17/24 10:37	1
Benzene	0.64	U	0.64	0.14	ug/m3			09/17/24 10:37	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/17/24 10:37	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			09/17/24 10:37	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/17/24 10:37	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/17/24 10:37	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/17/24 10:37	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/17/24 10:37	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/17/24 10:37	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/17/24 10:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/17/24 10:37	1
Toluene	0.75	U	0.75	0.23	ug/m3			09/17/24 10:37	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/17/24 10:37	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/17/24 10:37	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			09/17/24 10:37	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/17/24 10:37	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/17/24 10:37	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/17/24 10:37	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-208689/5
Matrix: Air
Analysis Batch: 208689

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/17/24 10:37	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			09/17/24 10:37	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			09/17/24 10:37	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			09/17/24 10:37	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/17/24 10:37	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/17/24 10:37	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/17/24 10:37	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/17/24 10:37	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/17/24 10:37	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/17/24 10:37	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			09/17/24 10:37	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/17/24 10:37	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/17/24 10:37	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			09/17/24 10:37	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/17/24 10:37	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/17/24 10:37	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/17/24 10:37	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/17/24 10:37	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/17/24 10:37	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/17/24 10:37	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/17/24 10:37	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/17/24 10:37	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/17/24 10:37	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/17/24 10:37	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			09/17/24 10:37	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			09/17/24 10:37	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/17/24 10:37	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			09/17/24 10:37	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			09/17/24 10:37	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/17/24 10:37	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/17/24 10:37	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/17/24 10:37	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/17/24 10:37	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/17/24 10:37	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			09/17/24 10:37	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/17/24 10:37	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/17/24 10:37	1
Acetone	5.0	U	5.0	1.6	ppb v/v			09/17/24 10:37	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/17/24 10:37	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			09/17/24 10:37	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/17/24 10:37	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/17/24 10:37	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			09/17/24 10:37	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/17/24 10:37	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/17/24 10:37	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/17/24 10:37	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/17/24 10:37	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-208689/5
Matrix: Air
Analysis Batch: 208689

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			09/17/24 10:37	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/17/24 10:37	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			09/17/24 10:37	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/17/24 10:37	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/17/24 10:37	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/17/24 10:37	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/17/24 10:37	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			09/17/24 10:37	1
Benzene	0.20	U	0.20	0.044	ppb v/v			09/17/24 10:37	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/17/24 10:37	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			09/17/24 10:37	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/17/24 10:37	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/17/24 10:37	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/17/24 10:37	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/17/24 10:37	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/17/24 10:37	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/17/24 10:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/17/24 10:37	1
Toluene	0.20	U	0.20	0.062	ppb v/v			09/17/24 10:37	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/17/24 10:37	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/17/24 10:37	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			09/17/24 10:37	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/17/24 10:37	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/17/24 10:37	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/17/24 10:37	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/17/24 10:37	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			09/17/24 10:37	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			09/17/24 10:37	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			09/17/24 10:37	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/17/24 10:37	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/17/24 10:37	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/17/24 10:37	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/17/24 10:37	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 10:37	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/17/24 10:37	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 10:37	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/17/24 10:37	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 10:37	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			09/17/24 10:37	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/17/24 10:37	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/17/24 10:37	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/17/24 10:37	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/17/24 10:37	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/17/24 10:37	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/17/24 10:37	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/17/24 10:37	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/17/24 10:37	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/17/24 10:37	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-208689/5
Matrix: Air
Analysis Batch: 208689

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/17/24 10:37	1

Lab Sample ID: LCS 200-208689/3
Matrix: Air
Analysis Batch: 208689

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	49.4		ug/m3		100	61 - 142
Chlorodifluoromethane	35.4	38.0		ug/m3		108	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	70.9		ug/m3		101	71 - 141
Chloromethane	20.6	23.7		ug/m3		115	56 - 141
n-Butane	23.8	19.5		ug/m3		82	53 - 151
Vinyl chloride	25.6	20.5		ug/m3		80	61 - 135
1,3-Butadiene	22.1	16.2		ug/m3		73	58 - 139
Bromomethane	38.8	38.0		ug/m3		98	72 - 124
Chloroethane	26.4	28.4		ug/m3		108	68 - 130
Bromoethene(Vinyl Bromide)	43.7	40.7		ug/m3		93	75 - 125
Trichlorofluoromethane	56.2	48.6		ug/m3		87	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	68.1		ug/m3		89	70 - 121
1,1-Dichloroethene	39.6	35.4		ug/m3		89	68 - 120
Acetone	23.7	22.8		ug/m3		96	54 - 154
Isopropyl alcohol	24.6	25.8		ug/m3		105	53 - 142
Carbon disulfide	31.1	29.2		ug/m3		94	71 - 138
3-Chloropropene	31.3	26.3		ug/m3		84	50 - 150
Methylene Chloride	34.7	30.1		ug/m3		87	59 - 137
tert-Butyl alcohol	30.3	27.8		ug/m3		92	66 - 132
Methyl tert-butyl ether	36.0	31.7		ug/m3		88	70 - 127
trans-1,2-Dichloroethene	39.6	33.1		ug/m3		83	69 - 137
n-Hexane	35.2	29.9		ug/m3		85	63 - 138
1,1-Dichloroethane	40.5	33.9		ug/m3		84	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	26.5		ug/m3		90	72 - 124
cis-1,2-Dichloroethene	39.6	34.0		ug/m3		86	72 - 121
Chloroform	48.8	41.1		ug/m3		84	73 - 124
Tetrahydrofuran	29.5	26.0		ug/m3		88	60 - 149
1,1,1-Trichloroethane	54.6	45.3		ug/m3		83	72 - 127
Cyclohexane	34.4	30.6		ug/m3		89	76 - 124
Carbon tetrachloride	62.9	51.6		ug/m3		82	71 - 133
2,2,4-Trimethylpentane	46.7	40.5		ug/m3		87	68 - 131
Benzene	31.9	28.4		ug/m3		89	73 - 119
1,2-Dichloroethane	40.5	33.0		ug/m3		82	68 - 135
n-Heptane	41.0	33.9		ug/m3		83	60 - 142
Trichloroethene	53.7	45.8		ug/m3		85	73 - 122
Methyl methacrylate	40.9	37.5		ug/m3		92	73 - 129
1,2-Dichloropropane	46.2	40.7		ug/m3		88	69 - 128
1,4-Dioxane	36.0	33.4		ug/m3		93	66 - 129
Bromodichloromethane	67.0	57.5		ug/m3		86	75 - 127
cis-1,3-Dichloropropene	45.4	40.0		ug/m3		88	74 - 125

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-208689/3
Matrix: Air
Analysis Batch: 208689

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	34.8		ug/m3		85	58 - 144
Toluene	37.7	34.8		ug/m3		92	75 - 122
trans-1,3-Dichloropropene	45.4	40.2		ug/m3		89	74 - 128
1,1,2-Trichloroethane	54.6	51.1		ug/m3		94	75 - 126
Tetrachloroethene	67.8	60.9		ug/m3		90	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	36.6		ug/m3		89	57 - 143
Dibromochloromethane	85.2	78.1		ug/m3		92	73 - 125
1,2-Dibromoethane	76.8	71.8		ug/m3		93	78 - 122
Chlorobenzene	46.0	42.4		ug/m3		92	76 - 119
Ethylbenzene	43.4	39.9		ug/m3		92	74 - 122
m,p-Xylene	86.8	80.5		ug/m3		93	76 - 121
o-Xylene	43.4	40.0		ug/m3		92	73 - 123
Styrene	42.6	40.0		ug/m3		94	74 - 125
Bromoform	103	96.7		ug/m3		94	53 - 149
Cumene	49.1	45.8		ug/m3		93	73 - 123
1,1,2,2-Tetrachloroethane	68.6	66.6		ug/m3		97	74 - 126
n-Propylbenzene	49.1	47.2		ug/m3		96	73 - 127
4-Ethyltoluene	49.2	46.9		ug/m3		96	75 - 129
1,3,5-Trimethylbenzene	49.2	46.2		ug/m3		94	72 - 126
2-Chlorotoluene	51.8	47.8		ug/m3		92	74 - 126
tert-Butylbenzene	54.9	51.0		ug/m3		93	71 - 125
1,2,4-Trimethylbenzene	49.2	46.2		ug/m3		94	71 - 129
sec-Butylbenzene	54.9	52.5		ug/m3		96	70 - 128
4-Isopropyltoluene	54.9	52.5		ug/m3		96	68 - 130
1,3-Dichlorobenzene	60.1	57.3		ug/m3		95	69 - 131
1,4-Dichlorobenzene	60.1	57.5		ug/m3		96	67 - 132
Benzyl chloride	51.8	54.0		ug/m3		104	60 - 136
n-Butylbenzene	54.9	52.9		ug/m3		96	65 - 137
1,2-Dichlorobenzene	60.1	57.4		ug/m3		95	68 - 129
1,2,4-Trichlorobenzene	74.2	68.6		ug/m3		92	50 - 150
Hexachlorobutadiene	107	91.3		ug/m3		86	58 - 130
Naphthalene	52.4	63.5		ug/m3		121	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	9.98		ppb v/v		100	61 - 142
Chlorodifluoromethane	10	10.7		ppb v/v		108	60 - 147
1,2-Dichlorotetrafluoroethane	10	10.1		ppb v/v		101	71 - 141
Chloromethane	10	11.5		ppb v/v		115	56 - 141
n-Butane	10	8.22		ppb v/v		82	53 - 151
Vinyl chloride	10	8.03		ppb v/v		80	61 - 135
1,3-Butadiene	10	7.34		ppb v/v		73	58 - 139
Bromomethane	10	9.79		ppb v/v		98	72 - 124
Chloroethane	10	10.8		ppb v/v		108	68 - 130
Bromoethene(Vinyl Bromide)	10	9.31		ppb v/v		93	75 - 125
Trichlorofluoromethane	10	8.65		ppb v/v		87	70 - 129
1,1,2-Trichlorotrifluoroethane	10	8.89		ppb v/v		89	70 - 121
1,1-Dichloroethene	10	8.92		ppb v/v		89	68 - 120

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-208689/3
Matrix: Air
Analysis Batch: 208689

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	10	9.59		ppb v/v		96	54 - 154
Isopropyl alcohol	10	10.5		ppb v/v		105	53 - 142
Carbon disulfide	10	9.38		ppb v/v		94	71 - 138
3-Chloropropene	10	8.41		ppb v/v		84	50 - 150
Methylene Chloride	10	8.68		ppb v/v		87	59 - 137
tert-Butyl alcohol	10	9.18		ppb v/v		92	66 - 132
Methyl tert-butyl ether	10	8.80		ppb v/v		88	70 - 127
trans-1,2-Dichloroethene	10	8.35		ppb v/v		83	69 - 137
n-Hexane	10	8.49		ppb v/v		85	63 - 138
1,1-Dichloroethane	10	8.38		ppb v/v		84	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	8.99		ppb v/v		90	72 - 124
cis-1,2-Dichloroethene	10	8.57		ppb v/v		86	72 - 121
Chloroform	10	8.42		ppb v/v		84	73 - 124
Tetrahydrofuran	10	8.80		ppb v/v		88	60 - 149
1,1,1-Trichloroethane	10	8.30		ppb v/v		83	72 - 127
Cyclohexane	10	8.88		ppb v/v		89	76 - 124
Carbon tetrachloride	10	8.20		ppb v/v		82	71 - 133
2,2,4-Trimethylpentane	10	8.68		ppb v/v		87	68 - 131
Benzene	10	8.88		ppb v/v		89	73 - 119
1,2-Dichloroethane	10	8.15		ppb v/v		82	68 - 135
n-Heptane	10	8.26		ppb v/v		83	60 - 142
Trichloroethene	10	8.52		ppb v/v		85	73 - 122
Methyl methacrylate	10	9.15		ppb v/v		92	73 - 129
1,2-Dichloropropane	10	8.80		ppb v/v		88	69 - 128
1,4-Dioxane	10	9.27		ppb v/v		93	66 - 129
Bromodichloromethane	10	8.58		ppb v/v		86	75 - 127
cis-1,3-Dichloropropene	10	8.81		ppb v/v		88	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	8.51		ppb v/v		85	58 - 144
Toluene	10	9.24		ppb v/v		92	75 - 122
trans-1,3-Dichloropropene	10	8.85		ppb v/v		89	74 - 128
1,1,2-Trichloroethane	10	9.37		ppb v/v		94	75 - 126
Tetrachloroethene	10	8.97		ppb v/v		90	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	8.94		ppb v/v		89	57 - 143
Dibromochloromethane	10	9.17		ppb v/v		92	73 - 125
1,2-Dibromoethane	10	9.34		ppb v/v		93	78 - 122
Chlorobenzene	10	9.21		ppb v/v		92	76 - 119
Ethylbenzene	10	9.19		ppb v/v		92	74 - 122
m,p-Xylene	20	18.5		ppb v/v		93	76 - 121
o-Xylene	10	9.21		ppb v/v		92	73 - 123
Styrene	10	9.38		ppb v/v		94	74 - 125
Bromoform	10	9.35		ppb v/v		94	53 - 149
Cumene	10	9.31		ppb v/v		93	73 - 123
1,1,2,2-Tetrachloroethane	10	9.71		ppb v/v		97	74 - 126
n-Propylbenzene	10	9.60		ppb v/v		96	73 - 127
4-Ethyltoluene	10	9.55		ppb v/v		96	75 - 129
1,3,5-Trimethylbenzene	10	9.39		ppb v/v		94	72 - 126

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-208689/3
Matrix: Air
Analysis Batch: 208689

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorotoluene	10	9.23		ppb v/v		92	74 - 126
tert-Butylbenzene	10	9.29		ppb v/v		93	71 - 125
1,2,4-Trimethylbenzene	10	9.41		ppb v/v		94	71 - 129
sec-Butylbenzene	10	9.57		ppb v/v		96	70 - 128
4-Isopropyltoluene	10	9.57		ppb v/v		96	68 - 130
1,3-Dichlorobenzene	10	9.54		ppb v/v		95	69 - 131
1,4-Dichlorobenzene	10	9.56		ppb v/v		96	67 - 132
Benzyl chloride	10	10.4		ppb v/v		104	60 - 136
n-Butylbenzene	10	9.64		ppb v/v		96	65 - 137
1,2-Dichlorobenzene	10	9.55		ppb v/v		95	68 - 129
1,2,4-Trichlorobenzene	10	9.24		ppb v/v		92	50 - 150
Hexachlorobutadiene	10	8.56		ppb v/v		86	58 - 130
Naphthalene	10	12.1		ppb v/v		121	50 - 150

Lab Sample ID: MB 200-208690/5
Matrix: Air
Analysis Batch: 208690

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			09/17/24 11:03	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			09/17/24 11:03	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/17/24 11:03	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			09/17/24 11:03	1
n-Butane	1.2	U	1.2	0.48	ug/m3			09/17/24 11:03	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/17/24 11:03	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/17/24 11:03	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/17/24 11:03	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/17/24 11:03	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/17/24 11:03	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			09/17/24 11:03	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/17/24 11:03	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/17/24 11:03	1
Acetone	12	U	12	3.8	ug/m3			09/17/24 11:03	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/17/24 11:03	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			09/17/24 11:03	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/17/24 11:03	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/17/24 11:03	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			09/17/24 11:03	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/17/24 11:03	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/17/24 11:03	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/17/24 11:03	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/17/24 11:03	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			09/17/24 11:03	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/17/24 11:03	1
Chloroform	0.98	U	0.98	0.20	ug/m3			09/17/24 11:03	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/17/24 11:03	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/17/24 11:03	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/17/24 11:03	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/17/24 11:03	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-208690/5
Matrix: Air
Analysis Batch: 208690

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			09/17/24 11:03	1
Benzene	0.64	U	0.64	0.14	ug/m3			09/17/24 11:03	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/17/24 11:03	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			09/17/24 11:03	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/17/24 11:03	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/17/24 11:03	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/17/24 11:03	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/17/24 11:03	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/17/24 11:03	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/17/24 11:03	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/17/24 11:03	1
Toluene	0.75	U	0.75	0.23	ug/m3			09/17/24 11:03	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/17/24 11:03	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/17/24 11:03	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			09/17/24 11:03	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/17/24 11:03	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/17/24 11:03	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/17/24 11:03	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/17/24 11:03	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			09/17/24 11:03	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			09/17/24 11:03	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			09/17/24 11:03	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/17/24 11:03	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/17/24 11:03	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/17/24 11:03	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/17/24 11:03	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/17/24 11:03	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/17/24 11:03	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			09/17/24 11:03	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/17/24 11:03	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/17/24 11:03	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			09/17/24 11:03	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/17/24 11:03	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/17/24 11:03	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/17/24 11:03	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/17/24 11:03	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/17/24 11:03	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/17/24 11:03	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/17/24 11:03	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/17/24 11:03	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/17/24 11:03	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/17/24 11:03	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			09/17/24 11:03	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			09/17/24 11:03	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/17/24 11:03	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			09/17/24 11:03	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-208690/5
Matrix: Air
Analysis Batch: 208690

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butane	0.50	U	0.50	0.20	ppb v/v			09/17/24 11:03	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/17/24 11:03	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/17/24 11:03	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/17/24 11:03	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/17/24 11:03	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/17/24 11:03	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			09/17/24 11:03	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/17/24 11:03	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/17/24 11:03	1
Acetone	5.0	U	5.0	1.6	ppb v/v			09/17/24 11:03	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/17/24 11:03	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			09/17/24 11:03	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/17/24 11:03	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/17/24 11:03	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			09/17/24 11:03	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/17/24 11:03	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/17/24 11:03	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/17/24 11:03	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/17/24 11:03	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			09/17/24 11:03	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/17/24 11:03	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			09/17/24 11:03	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/17/24 11:03	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/17/24 11:03	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/17/24 11:03	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/17/24 11:03	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			09/17/24 11:03	1
Benzene	0.20	U	0.20	0.044	ppb v/v			09/17/24 11:03	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/17/24 11:03	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			09/17/24 11:03	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/17/24 11:03	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/17/24 11:03	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/17/24 11:03	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/17/24 11:03	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/17/24 11:03	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/17/24 11:03	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/17/24 11:03	1
Toluene	0.20	U	0.20	0.062	ppb v/v			09/17/24 11:03	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/17/24 11:03	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/17/24 11:03	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			09/17/24 11:03	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/17/24 11:03	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/17/24 11:03	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/17/24 11:03	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/17/24 11:03	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			09/17/24 11:03	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			09/17/24 11:03	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			09/17/24 11:03	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-208690/5
Matrix: Air
Analysis Batch: 208690

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.20	U	0.20	0.059	ppb v/v			09/17/24 11:03	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/17/24 11:03	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/17/24 11:03	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/17/24 11:03	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 11:03	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/17/24 11:03	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 11:03	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/17/24 11:03	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/17/24 11:03	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			09/17/24 11:03	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/17/24 11:03	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/17/24 11:03	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/17/24 11:03	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/17/24 11:03	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/17/24 11:03	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/17/24 11:03	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/17/24 11:03	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/17/24 11:03	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/17/24 11:03	1
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/17/24 11:03	1

Lab Sample ID: LCS 200-208690/3
Matrix: Air
Analysis Batch: 208690

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	50.1		ug/m3		101	61 - 142
Chlorodifluoromethane	35.4	39.8		ug/m3		112	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	72.3		ug/m3		104	71 - 141
Chloromethane	20.6	24.3		ug/m3		118	56 - 141
n-Butane	23.8	31.1		ug/m3		131	53 - 151
Vinyl chloride	25.6	30.4		ug/m3		119	61 - 135
1,3-Butadiene	22.1	25.7		ug/m3		116	58 - 139
Bromomethane	38.8	38.6		ug/m3		100	72 - 124
Chloroethane	26.4	29.1		ug/m3		110	68 - 130
Bromoethene(Vinyl Bromide)	43.7	42.2		ug/m3		97	75 - 125
Trichlorofluoromethane	56.2	53.4		ug/m3		95	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	75.5		ug/m3		98	70 - 121
1,1-Dichloroethene	39.6	37.9		ug/m3		95	68 - 120
Acetone	23.7	26.8		ug/m3		113	54 - 154
Isopropyl alcohol	24.6	30.6		ug/m3		125	53 - 142
Carbon disulfide	31.1	34.2		ug/m3		110	71 - 138
3-Chloropropene	31.3	31.7		ug/m3		101	50 - 150
Methylene Chloride	34.7	38.6		ug/m3		111	59 - 137
tert-Butyl alcohol	30.3	31.2		ug/m3		103	66 - 132
Methyl tert-butyl ether	36.0	36.1		ug/m3		100	70 - 127
trans-1,2-Dichloroethene	39.6	42.8		ug/m3		108	69 - 137
n-Hexane	35.2	37.9		ug/m3		107	63 - 138
1,1-Dichloroethane	40.5	42.7		ug/m3		105	66 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-208690/3
Matrix: Air
Analysis Batch: 208690

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl Ethyl Ketone (2-Butanone)	29.5	31.4		ug/m3		107	72 - 124
cis-1,2-Dichloroethene	39.6	38.6		ug/m3		97	72 - 121
Chloroform	48.8	49.1		ug/m3		101	73 - 124
Tetrahydrofuran	29.5	32.8		ug/m3		111	60 - 149
1,1,1-Trichloroethane	54.6	52.2		ug/m3		96	72 - 127
Cyclohexane	34.4	34.8		ug/m3		101	76 - 124
Carbon tetrachloride	62.9	60.8		ug/m3		97	71 - 133
2,2,4-Trimethylpentane	46.7	51.3		ug/m3		110	68 - 131
Benzene	31.9	32.9		ug/m3		103	73 - 119
1,2-Dichloroethane	40.5	41.4		ug/m3		102	68 - 135
n-Heptane	41.0	45.3		ug/m3		111	60 - 142
Trichloroethene	53.7	52.5		ug/m3		98	73 - 122
Methyl methacrylate	40.9	44.7		ug/m3		109	73 - 129
1,2-Dichloropropane	46.2	51.7		ug/m3		112	69 - 128
1,4-Dioxane	36.0	35.8		ug/m3		99	66 - 129
Bromodichloromethane	67.0	69.0		ug/m3		103	75 - 127
cis-1,3-Dichloropropene	45.4	47.4		ug/m3		104	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	46.4		ug/m3		113	58 - 144
Toluene	37.7	38.4		ug/m3		102	75 - 122
trans-1,3-Dichloropropene	45.4	48.6		ug/m3		107	74 - 128
1,1,2-Trichloroethane	54.6	58.0		ug/m3		106	75 - 126
Tetrachloroethene	67.8	61.2		ug/m3		90	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	45.9		ug/m3		112	57 - 143
Dibromochloromethane	85.2	86.8		ug/m3		102	73 - 125
1,2-Dibromoethane	76.8	77.6		ug/m3		101	78 - 122
Chlorobenzene	46.0	45.8		ug/m3		100	76 - 119
Ethylbenzene	43.4	44.6		ug/m3		103	74 - 122
m,p-Xylene	86.8	89.0		ug/m3		103	76 - 121
o-Xylene	43.4	43.7		ug/m3		101	73 - 123
Styrene	42.6	44.2		ug/m3		104	74 - 125
Bromoform	103	106		ug/m3		103	53 - 149
Cumene	49.1	49.8		ug/m3		101	73 - 123
1,1,2,2-Tetrachloroethane	68.6	75.4		ug/m3		110	74 - 126
n-Propylbenzene	49.1	51.8		ug/m3		105	73 - 127
4-Ethyltoluene	49.2	51.4		ug/m3		105	75 - 129
1,3,5-Trimethylbenzene	49.2	50.5		ug/m3		103	72 - 126
2-Chlorotoluene	51.8	53.3		ug/m3		103	74 - 126
tert-Butylbenzene	54.9	55.4		ug/m3		101	71 - 125
1,2,4-Trimethylbenzene	49.2	50.9		ug/m3		104	71 - 129
sec-Butylbenzene	54.9	57.2		ug/m3		104	70 - 128
4-Isopropyltoluene	54.9	56.1		ug/m3		102	68 - 130
1,3-Dichlorobenzene	60.1	60.1		ug/m3		100	69 - 131
1,4-Dichlorobenzene	60.1	60.0		ug/m3		100	67 - 132
Benzyl chloride	51.8	56.5		ug/m3		109	60 - 136
n-Butylbenzene	54.9	58.5		ug/m3		107	65 - 137
1,2-Dichlorobenzene	60.1	59.6		ug/m3		99	68 - 129

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-208690/3
Matrix: Air
Analysis Batch: 208690

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	74.2	75.1		ug/m3		101	50 - 150
Hexachlorobutadiene	107	94.9		ug/m3		89	58 - 130
Naphthalene	52.4	58.7		ug/m3		112	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	10.1		ppb v/v		101	61 - 142
Chlorodifluoromethane	10	11.2		ppb v/v		112	60 - 147
1,2-Dichlorotetrafluoroethane	10	10.3		ppb v/v		104	71 - 141
Chloromethane	10	11.8		ppb v/v		118	56 - 141
n-Butane	10	13.1		ppb v/v		131	53 - 151
Vinyl chloride	10	11.9		ppb v/v		119	61 - 135
1,3-Butadiene	10	11.6		ppb v/v		116	58 - 139
Bromomethane	10	9.95		ppb v/v		100	72 - 124
Chloroethane	10	11.0		ppb v/v		110	68 - 130
Bromoethene(Vinyl Bromide)	10	9.65		ppb v/v		97	75 - 125
Trichlorofluoromethane	10	9.50		ppb v/v		95	70 - 129
1,1,2-Trichlorotrifluoroethane	10	9.85		ppb v/v		98	70 - 121
1,1-Dichloroethene	10	9.55		ppb v/v		95	68 - 120
Acetone	10	11.3		ppb v/v		113	54 - 154
Isopropyl alcohol	10	12.5		ppb v/v		125	53 - 142
Carbon disulfide	10	11.0		ppb v/v		110	71 - 138
3-Chloropropene	10	10.1		ppb v/v		101	50 - 150
Methylene Chloride	10	11.1		ppb v/v		111	59 - 137
tert-Butyl alcohol	10	10.3		ppb v/v		103	66 - 132
Methyl tert-butyl ether	10	10.0		ppb v/v		100	70 - 127
trans-1,2-Dichloroethene	10	10.8		ppb v/v		108	69 - 137
n-Hexane	10	10.7		ppb v/v		107	63 - 138
1,1-Dichloroethane	10	10.5		ppb v/v		105	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	10.7		ppb v/v		107	72 - 124
cis-1,2-Dichloroethene	10	9.73		ppb v/v		97	72 - 121
Chloroform	10	10.1		ppb v/v		101	73 - 124
Tetrahydrofuran	10	11.1		ppb v/v		111	60 - 149
1,1,1-Trichloroethane	10	9.57		ppb v/v		96	72 - 127
Cyclohexane	10	10.1		ppb v/v		101	76 - 124
Carbon tetrachloride	10	9.67		ppb v/v		97	71 - 133
2,2,4-Trimethylpentane	10	11.0		ppb v/v		110	68 - 131
Benzene	10	10.3		ppb v/v		103	73 - 119
1,2-Dichloroethane	10	10.2		ppb v/v		102	68 - 135
n-Heptane	10	11.0		ppb v/v		111	60 - 142
Trichloroethene	10	9.76		ppb v/v		98	73 - 122
Methyl methacrylate	10	10.9		ppb v/v		109	73 - 129
1,2-Dichloropropane	10	11.2		ppb v/v		112	69 - 128
1,4-Dioxane	10	9.92		ppb v/v		99	66 - 129
Bromodichloromethane	10	10.3		ppb v/v		103	75 - 127
cis-1,3-Dichloropropene	10	10.4		ppb v/v		104	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	11.3		ppb v/v		113	58 - 144
Toluene	10	10.2		ppb v/v		102	75 - 122

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75119-1
Project/Site: 2828 W 28th Street

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-208690/3
Matrix: Air
Analysis Batch: 208690

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	10	10.7		ppb v/v		107	74 - 128
1,1,2-Trichloroethane	10	10.6		ppb v/v		106	75 - 126
Tetrachloroethene	10	9.03		ppb v/v		90	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	11.2		ppb v/v		112	57 - 143
Dibromochloromethane	10	10.2		ppb v/v		102	73 - 125
1,2-Dibromoethane	10	10.1		ppb v/v		101	78 - 122
Chlorobenzene	10	9.95		ppb v/v		100	76 - 119
Ethylbenzene	10	10.3		ppb v/v		103	74 - 122
m,p-Xylene	20	20.5		ppb v/v		103	76 - 121
o-Xylene	10	10.1		ppb v/v		101	73 - 123
Styrene	10	10.4		ppb v/v		104	74 - 125
Bromoform	10	10.3		ppb v/v		103	53 - 149
Cumene	10	10.1		ppb v/v		101	73 - 123
1,1,2,2-Tetrachloroethane	10	11.0		ppb v/v		110	74 - 126
n-Propylbenzene	10	10.5		ppb v/v		105	73 - 127
4-Ethyltoluene	10	10.5		ppb v/v		105	75 - 129
1,3,5-Trimethylbenzene	10	10.3		ppb v/v		103	72 - 126
2-Chlorotoluene	10	10.3		ppb v/v		103	74 - 126
tert-Butylbenzene	10	10.1		ppb v/v		101	71 - 125
1,2,4-Trimethylbenzene	10	10.4		ppb v/v		104	71 - 129
sec-Butylbenzene	10	10.4		ppb v/v		104	70 - 128
4-Isopropyltoluene	10	10.2		ppb v/v		102	68 - 130
1,3-Dichlorobenzene	10	10.0		ppb v/v		100	69 - 131
1,4-Dichlorobenzene	10	9.98		ppb v/v		100	67 - 132
Benzyl chloride	10	10.9		ppb v/v		109	60 - 136
n-Butylbenzene	10	10.7		ppb v/v		107	65 - 137
1,2-Dichlorobenzene	10	9.91		ppb v/v		99	68 - 129
1,2,4-Trichlorobenzene	10	10.1		ppb v/v		101	50 - 150
Hexachlorobutadiene	10	8.90		ppb v/v		89	58 - 130
Naphthalene	10	11.2		ppb v/v		112	50 - 150

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75119-1
Project/Site: 2828 W 28th Street

Air - GC/MS VOA

Analysis Batch: 208689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-75119-1	RXSV-8	Total/NA	Air	TO-15	
200-75119-1 - DL	RXSV-8	Total/NA	Air	TO-15	
200-75119-2	RXSV-2	Total/NA	Air	TO-15	
200-75119-3	RXSV-9	Total/NA	Air	TO-15	
200-75119-3 - DL	RXSV-9	Total/NA	Air	TO-15	
200-75119-4	RXSV-6	Total/NA	Air	TO-15	
200-75119-5	RXSV-4	Total/NA	Air	TO-15	
200-75119-6	RXSV-7	Total/NA	Air	TO-15	
200-75119-7	RXSV-3	Total/NA	Air	TO-15	
200-75119-8	RXSV-5	Total/NA	Air	TO-15	
MB 200-208689/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-208689/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 208690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-75119-9	RXSV-1	Total/NA	Air	TO-15	
200-75119-10	DUP_09132024	Total/NA	Air	TO-15	
MB 200-208690/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-208690/3	Lab Control Sample	Total/NA	Air	TO-15	

Client Sample ID: RXSV-8
Lab Sample ID: 200-75119-1
Date Collected: 09/13/24 13:47
Matrix: Air
Date Received: 09/14/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208689	TPB	EET BUR	09/17/24 20:19
Total/NA	Analysis	TO-15	DL	5	208689	TPB	EET BUR	09/17/24 21:10

Client Sample ID: RXSV-2
Lab Sample ID: 200-75119-2
Date Collected: 09/13/24 10:51
Matrix: Air
Date Received: 09/14/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208689	TPB	EET BUR	09/17/24 22:02

Client Sample ID: RXSV-9
Lab Sample ID: 200-75119-3
Date Collected: 09/13/24 10:53
Matrix: Air
Date Received: 09/14/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208689	TPB	EET BUR	09/17/24 23:45
Total/NA	Analysis	TO-15	DL	2.5	208689	TPB	EET BUR	09/18/24 00:36

Client Sample ID: RXSV-6
Lab Sample ID: 200-75119-4
Date Collected: 09/13/24 10:55
Matrix: Air
Date Received: 09/14/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208689	TPB	EET BUR	09/18/24 01:28

Client Sample ID: RXSV-4
Lab Sample ID: 200-75119-5
Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208689	TPB	EET BUR	09/18/24 02:19

Client Sample ID: RXSV-7
Lab Sample ID: 200-75119-6
Date Collected: 09/13/24 11:03
Matrix: Air
Date Received: 09/14/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208689	TPB	EET BUR	09/18/24 03:11

Client Sample ID: RXSV-3
Lab Sample ID: 200-75119-7
Date Collected: 09/13/24 11:00
Matrix: Air
Date Received: 09/14/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208689	TPB	EET BUR	09/18/24 04:02

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 200-75119-1

Client Sample ID: RXSV-5
Date Collected: 09/13/24 11:09
Date Received: 09/14/24 09:30

Lab Sample ID: 200-75119-8
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208689	TPB	EET BUR	09/18/24 04:54

Client Sample ID: RXSV-1
Date Collected: 09/13/24 11:12
Date Received: 09/14/24 09:30

Lab Sample ID: 200-75119-9
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208690	K1P	EET BUR	09/17/24 20:19

Client Sample ID: DUP_09132024
Date Collected: 09/13/24 14:00
Date Received: 09/14/24 09:30

Lab Sample ID: 200-75119-10
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208690	K1P	EET BUR	09/17/24 21:14

Laboratory References:

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75119-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-25

The following analytes are included in this report, but the laboratory is not certified by New York NELAP 10391. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75119-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-75119-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-75119-1	RXSV-8	Air	09/13/24 13:47	09/14/24 09:30	Air Canister (6-Liter) #6394
200-75119-2	RXSV-2	Air	09/13/24 10:51	09/14/24 09:30	Air Canister (6-Liter) #2540
200-75119-3	RXSV-9	Air	09/13/24 10:53	09/14/24 09:30	Air Canister (6-Liter) #5448
200-75119-4	RXSV-6	Air	09/13/24 10:55	09/14/24 09:30	Air Canister (6-Liter) #2739
200-75119-5	RXSV-4	Air	09/13/24 11:00	09/14/24 09:30	Air Canister (6-Liter) #3210
200-75119-6	RXSV-7	Air	09/13/24 11:03	09/14/24 09:30	Air Canister (6-Liter) #9267
200-75119-7	RXSV-3	Air	09/13/24 11:00	09/14/24 09:30	Air Canister (6-Liter) #34000143
200-75119-8	RXSV-5	Air	09/13/24 11:09	09/14/24 09:30	Air Canister (6-Liter) #5714
200-75119-9	RXSV-1	Air	09/13/24 11:12	09/14/24 09:30	Air Canister (6-Liter) #34001296
200-75119-10	DUP_09132024	Air	09/13/24 14:00	09/14/24 09:30	Air Canister (6-Liter) #3012

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 205411

Lab Sample ID: IC 200-205411/5 Client Sample ID:

Date Analyzed: 06/18/24 15:59 Lab File ID: 60827_005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Propylene	4.32	Assign Peak	F7XK	06/19/24 10:21
n-Butane	5.21	Assign Peak	F7XK	06/19/24 10:22
Acrolein	7.86	Assign Peak	F7XK	06/19/24 10:22
Vinyl acetate	10.29	Assign Peak	F7XK	06/19/24 10:24
Tetrahydrofuran	11.75	Assign Peak	F7XK	06/19/24 10:25
4-Methyl-2-pentanone (Methyl isobutyl ketone)	16.01	Assign Peak	F7XK	06/19/24 10:27

Lab Sample ID: IC 200-205411/7 Client Sample ID:

Date Analyzed: 06/18/24 17:43 Lab File ID: 60827_007.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.41	Assign Peak	F7XK	06/19/24 10:37

Lab Sample ID: ICIS 200-205411/8 Client Sample ID:

Date Analyzed: 06/18/24 18:35 Lab File ID: 60827_008.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.41	Assign Peak	F7XK	06/19/24 10:09

Lab Sample ID: IC 200-205411/9 Client Sample ID:

Date Analyzed: 06/18/24 19:27 Lab File ID: 60827_009.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.41	Assign Peak	F7XK	06/19/24 10:42

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 205411

Lab Sample ID: IC 200-205411/12 Client Sample ID:

Date Analyzed: 06/18/24 22:04 Lab File ID: 60827_012.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.41	Assign Peak	F7XK	06/19/24 10:43

Lab Sample ID: IC 200-205411/13 Client Sample ID:

Date Analyzed: 06/18/24 22:56 Lab File ID: 60827_013.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.41	Assign Peak	F7XK	06/19/24 10:44

Lab Sample ID: ICV 200-205411/16 Client Sample ID:

Date Analyzed: 06/19/24 01:33 Lab File ID: 60827_016.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	8.66	Assign Peak	F7XK	06/19/24 13:25

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 208689

Lab Sample ID: 200-75119-1 Client Sample ID: RXSV-8

Date Analyzed: 09/17/24 20:19 Lab File ID: 62087_016.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane		Invalid Compound ID	F7XK	09/18/24 09:34
1,2-Dibromoethane		Invalid Compound ID	F7XK	09/18/24 09:33
1,2-Dichlorotetrafluoroethane		Assign Peak	F7XK	09/18/24 09:30
1,3-Butadiene		Invalid Compound ID	F7XK	09/18/24 09:30
2-Chlorotoluene		Invalid Compound ID	F7XK	09/18/24 09:34
Methyl methacrylate		Invalid Compound ID	F7XK	09/18/24 09:32
Tetrahydrofuran		Assign Peak	F7XK	09/18/24 09:31
Cyclohexane	12.30	Assign Peak	F7XK	09/18/24 09:32
Styrene	20.36	Assign Peak	F7XK	09/18/24 09:33
tert-Butylbenzene	22.45	Assign Peak	F7XK	09/18/24 09:34
sec-Butylbenzene	22.77	Assign Peak	F7XK	09/18/24 09:35
Benzyl chloride	23.24	Assign Peak	F7XK	09/18/24 09:36
n-Butylbenzene	23.54	Assign Peak	F7XK	09/18/24 09:36

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 208689

Lab Sample ID: 200-75119-2 Client Sample ID: RXSV-2

Date Analyzed: 09/17/24 22:02 Lab File ID: 62087_018.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane		Invalid Compound ID	F7XK	09/18/24 10:12
1,1,2-Trichloroethane		Invalid Compound ID	F7XK	09/18/24 10:11
1,2-Dichlorotetrafluoroethane		Assign Peak	F7XK	09/18/24 10:07
1,3-Butadiene		Invalid Compound ID	F7XK	09/18/24 10:08
2-Chlorotoluene		Invalid Compound ID	F7XK	09/18/24 10:12
Cumene		Invalid Compound ID	F7XK	09/18/24 10:11
1,1,1-Trichloroethane	12.17	Assign Peak	F7XK	09/18/24 10:09
Cyclohexane	12.30	Assign Peak	F7XK	09/18/24 10:09
Trichloroethene	13.98	Assign Peak	F7XK	09/18/24 10:10
4-Methyl-2-pentanone (Methyl isobutyl ketone)	16.00	Assign Peak	F7XK	09/18/24 10:10
Styrene	20.35	Assign Peak	F7XK	09/18/24 10:11
sec-Butylbenzene	22.77	Assign Peak	F7XK	09/18/24 10:13
Benzyl chloride	23.24	Assign Peak	F7XK	09/18/24 10:13

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 208689

Lab Sample ID: 200-75119-3 Client Sample ID: RXSV-9

Date Analyzed: 09/17/24 23:45 Lab File ID: 62087_020.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichlorotrifluoroethane	8.08	Assign Peak	F7XK	09/18/24 11:36
Methylene Chloride	8.98	Assign Peak	F7XK	09/18/24 11:37
1,1,2,2-Tetrachloroethane		Invalid Compound ID	F7XK	09/18/24 11:43
1,2-Dichloroethane		Invalid Compound ID	F7XK	09/18/24 11:39
Bromodichloromethane		Invalid Compound ID	F7XK	09/18/24 11:41
Bromomethane		Assign Peak	F7XK	09/18/24 11:35
Cumene		Invalid Compound ID	F7XK	09/18/24 11:43
Methyl methacrylate		Invalid Compound ID	F7XK	09/18/24 11:40
Tetrahydrofuran		Assign Peak	F7XK	09/18/24 11:38
trans-1,3-Dichloropropene		Invalid Compound ID	F7XK	09/18/24 11:41
1,1-Dichloroethane	10.28	Assign Peak	F7XK	09/18/24 11:37
Chloroform	11.88	Assign Peak	F7XK	09/18/24 11:38
2,2,4-Trimethylpentane	13.01	Assign Peak	F7XK	09/18/24 11:40
4-Methyl-2-pentanone (Methyl isobutyl ketone)	16.00	Assign Peak	F7XK	09/18/24 11:41
1,1,2-Trichloroethane	17.16	Assign Peak	F7XK	09/18/24 11:41
n-Propylbenzene	21.69	Assign Peak	F7XK	09/18/24 11:43
tert-Butylbenzene	22.45	Assign Peak	F7XK	09/18/24 11:43
sec-Butylbenzene	22.77	Assign Peak	F7XK	09/18/24 11:44
Benzyl chloride	23.24	Assign Peak	F7XK	09/18/24 11:44

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 208689

Lab Sample ID: 200-75119-4 Client Sample ID: RXSV-6

Date Analyzed: 09/18/24 01:28 Lab File ID: 62087_022.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloroethane		Invalid Compound ID	F7XK	09/18/24 14:05
1,3-Butadiene		Invalid Compound ID	F7XK	09/18/24 14:03
2-Chlorotoluene		Invalid Compound ID	F7XK	09/18/24 14:06
Chloroethane		Invalid Compound ID	F7XK	09/18/24 14:03
Cumene		Invalid Compound ID	F7XK	09/18/24 14:05
Bromodichloromethane	14.92	Assign Peak	F7XK	09/18/24 14:04
Styrene	20.37	Assign Peak	F7XK	09/18/24 14:05
sec-Butylbenzene	22.77	Assign Peak	F7XK	09/18/24 14:06
Benzyl chloride	23.23	Assign Peak	F7XK	09/18/24 14:07

Lab Sample ID: 200-75119-5 Client Sample ID: RXSV-4

Date Analyzed: 09/18/24 02:19 Lab File ID: 62087_023.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane		Assign Peak	F7XK	09/18/24 14:09
1,1,2-Trichloroethane		Invalid Compound ID	F7XK	09/18/24 14:10
1,2-Dichlorotetrafluoroethane		Assign Peak	F7XK	09/18/24 14:08
Cumene		Invalid Compound ID	F7XK	09/18/24 14:10
Methyl methacrylate		Invalid Compound ID	F7XK	09/18/24 14:09
Trichloroethene	13.98	Assign Peak	F7XK	09/18/24 14:09
Styrene	20.36	Assign Peak	F7XK	09/18/24 14:10
sec-Butylbenzene	22.77	Assign Peak	F7XK	09/18/24 14:11
Benzyl chloride	23.24	Assign Peak	F7XK	09/18/24 14:11
n-Butylbenzene	23.54	Assign Peak	F7XK	09/18/24 14:12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 208689

Lab Sample ID: 200-75119-6 Client Sample ID: RXSV-7

Date Analyzed: 09/18/24 03:11 Lab File ID: 62087_024.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene		Invalid Compound ID	F7XK	09/18/24 15:56
Cumene		Assign Peak	F7XK	09/18/24 15:59
Vinyl chloride		Invalid Compound ID	F7XK	09/18/24 15:56
Tetrahydrofuran	11.75	Assign Peak	F7XK	09/18/24 15:57
Cyclohexane	12.31	Assign Peak	F7XK	09/18/24 15:57
Bromodichloromethane	14.92	Assign Peak	F7XK	09/18/24 15:58
m,p-Xylene	19.54	Assign Peak	F7XK	09/18/24 15:59

Lab Sample ID: 200-75119-7 Client Sample ID: RXSV-3

Date Analyzed: 09/18/24 04:02 Lab File ID: 62087_025.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane		Invalid Compound ID	F7XK	09/18/24 16:04
1,1,2-Trichloroethane		Invalid Compound ID	F7XK	09/18/24 16:03
1,2-Dibromoethane		Assign Peak	F7XK	09/18/24 16:03
1,2-Dichlorotetrafluoroethane		Assign Peak	F7XK	09/18/24 16:00
1,3-Butadiene		Invalid Compound ID	F7XK	09/18/24 16:00
3-Chloropropene		Invalid Compound ID	F7XK	09/18/24 16:01
Cumene		Invalid Compound ID	F7XK	09/18/24 16:04
trans-1,3-Dichloropropene		Invalid Compound ID	F7XK	09/18/24 16:03
Cyclohexane	12.30	Assign Peak	F7XK	09/18/24 16:02
4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.99	Assign Peak	F7XK	09/18/24 16:03
Styrene	20.36	Assign Peak	F7XK	09/18/24 16:04
tert-Butylbenzene	22.45	Assign Peak	F7XK	09/18/24 16:05
sec-Butylbenzene	22.77	Assign Peak	F7XK	09/18/24 16:05
4-Isopropyltoluene	22.98	Assign Peak	F7XK	09/18/24 16:06
Benzyl chloride	23.23	Assign Peak	F7XK	09/18/24 16:06
1,2-Dichlorobenzene	23.59	Assign Peak	F7XK	09/18/24 16:07

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Analysis Batch Number: 208689

Lab Sample ID: 200-75119-8 Client Sample ID: RXSV-5

Date Analyzed: 09/18/24 04:54 Lab File ID: 62087_026.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane		Invalid Compound ID	F7XK	09/18/24 16:46
1,1,2-Trichloroethane		Invalid Compound ID	F7XK	09/18/24 16:46
1,2,4-Trichlorobenzene		Assign Peak	F7XK	09/18/24 16:48
1,2-Dichlorobenzene		Assign Peak	F7XK	09/18/24 16:47
2-Chlorotoluene		Invalid Compound ID	F7XK	09/18/24 16:46
3-Chloropropene		Invalid Compound ID	F7XK	09/18/24 16:44
Cumene		Invalid Compound ID	F7XK	09/18/24 16:46
Methyl methacrylate		Invalid Compound ID	F7XK	09/18/24 16:45
tert-Butylbenzene		Assign Peak	F7XK	09/18/24 16:47
trans-1,3-Dichloropropene		Invalid Compound ID	F7XK	09/18/24 16:45
Cyclohexane	12.30	Assign Peak	F7XK	09/18/24 16:44
Trichloroethene	13.97	Assign Peak	F7XK	09/18/24 16:45
4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.99	Assign Peak	F7XK	09/18/24 16:45
Styrene	20.36	Assign Peak	F7XK	09/18/24 16:46

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 207901

Lab Sample ID: IC 200-207901/4 Client Sample ID:

Date Analyzed: 08/22/24 17:26 Lab File ID: 61759-04.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	4.17	Assign Peak	YWL8	08/23/24 14:41
3-Chloropropene	8.80	Assign Peak	YWL8	08/23/24 14:42
Chloroethane		Invalid Compound ID	YWL8	08/23/24 14:41
Chloromethane		Invalid Compound ID	YWL8	08/23/24 14:41
Ethanol		Invalid Compound ID	YWL8	08/23/24 14:41
Isopropyl alcohol		Invalid Compound ID	YWL8	08/23/24 14:41
n-Butanol		Invalid Compound ID	YWL8	08/23/24 14:42
n-Hexane		Invalid Compound ID	YWL8	08/23/24 14:42
n-Pentane		Invalid Compound ID	YWL8	08/23/24 14:41
Tetrahydrofuran		Invalid Compound ID	YWL8	08/23/24 14:42
trans-1,3-Dichloropropene		Invalid Compound ID	YWL8	08/23/24 14:43
1,2-Dichloropropane	15.14	Assign Peak	YWL8	08/23/24 14:42
Methyl methacrylate	15.27	Assign Peak	YWL8	08/23/24 14:43
1,1,2-Trichloroethane	17.96	Assign Peak	YWL8	08/23/24 14:43
Methyl Butyl Ketone (2-Hexanone)	18.41	Assign Peak	YWL8	08/23/24 14:43

Lab Sample ID: IC 200-207901/5 Client Sample ID:

Date Analyzed: 08/22/24 18:20 Lab File ID: 61759-05.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	7.21	Assign Peak	YWL8	08/23/24 14:45

Lab Sample ID: IC 200-207901/7 Client Sample ID:

Date Analyzed: 08/22/24 20:10 Lab File ID: 61759-07.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	9.60	Assign Peak	YWL8	08/23/24 14:47

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 208690

Lab Sample ID: MB 200-208690/5 Client Sample ID:

Date Analyzed: 09/17/24 11:03 Lab File ID: 62088-05.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trimethylbenzene		Invalid Compound ID	YWL8	09/18/24 07:03
4-Ethyltoluene		Invalid Compound ID	YWL8	09/18/24 07:03
Benzyl chloride		Invalid Compound ID	YWL8	09/18/24 07:04

Lab Sample ID: 200-75119-9 Client Sample ID: RXSV-1

Date Analyzed: 09/17/24 20:19 Lab File ID: 62088-15.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane		Invalid Compound ID	YWL8	09/18/24 08:22
1,1,2-Trichlorotrifluoroethane		Invalid Compound ID	YWL8	09/18/24 08:21
1,3-Butadiene		Invalid Compound ID	YWL8	09/18/24 08:21
2-Chlorotoluene		Invalid Compound ID	YWL8	09/18/24 08:22
Methyl methacrylate		Invalid Compound ID	YWL8	09/18/24 08:21
n-Butylbenzene		Invalid Compound ID	YWL8	09/18/24 08:22
n-Hexane		Invalid Compound ID	YWL8	09/18/24 08:21
tert-Butylbenzene		Invalid Compound ID	YWL8	09/18/24 08:22
trans-1,3-Dichloropropene		Invalid Compound ID	YWL8	09/18/24 08:22
4-Isopropyltoluene	23.65	Assign Peak	YWL8	09/18/24 08:22
1,4-Dichlorobenzene	23.78	Assign Peak	YWL8	09/18/24 08:22

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 208690

Lab Sample ID: 200-75119-10 Client Sample ID: DUP_09132024

Date Analyzed: 09/17/24 21:14 Lab File ID: 62088-16.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloroethane		Invalid Compound ID	YWL8	09/18/24 14:25
1,3-Butadiene		Invalid Compound ID	YWL8	09/18/24 14:24
2-Chlorotoluene		Invalid Compound ID	YWL8	09/18/24 14:26
4-Isopropyltoluene		Invalid Compound ID	YWL8	09/18/24 14:26
Cumene		Invalid Compound ID	YWL8	09/18/24 14:25
n-Hexane		Invalid Compound ID	YWL8	09/18/24 14:25
sec-Butylbenzene		Invalid Compound ID	YWL8	09/18/24 14:26
Styrene		Invalid Compound ID	YWL8	09/18/24 14:25
trans-1,3-Dichloropropene		Invalid Compound ID	YWL8	09/18/24 14:25
2,2,4-Trimethylpentane	13.63	Assign Peak	YWL8	09/18/24 14:25

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15AMISs_00003							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Tentatively Identified Compound	
							Total Alkanes	
							Xylenes, Total	
ATTO15AMISs_00004							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Tentatively Identified Compound	
							Total Alkanes	
							Xylenes, Total	
ATTO15CAL1w_00269	07/26/24	05/01/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00235	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1,2-Trichlorotrifluoroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.233512 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.235116 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dibromoethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Butadiene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2,2,4-Trimethylpentane	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methylbutane	0.20044 ppb v/v
							3-Chloropropene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v
							4-Isopropyltoluene	0.20044 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.234715 ppb v/v
							Acrylonitrile	0.20044 ppb v/v
							Alpha Methyl Styrene	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v
							Benzyl chloride	0.20044 ppb v/v
							Bromodichloromethane	0.20044 ppb v/v
							Bromoethene(Vinyl Bromide)	0.20044 ppb v/v
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	0.20044 ppb v/v
							Chlorodifluoromethane	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,2-Dichloroethene	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cumene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dibromochloromethane	0.20044 ppb v/v
							Dibromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Dodecane	0.20044 ppb v/v
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Hexachlorobutadiene	0.225294 ppb v/v
							Isopropyl alcohol	0.23231 ppb v/v
							m,p-Xylene	0.400879 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.20044 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	0.20044 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Butane	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	0.20044 ppb v/v
							n-Butylbenzene	0.20044 ppb v/v
							n-Decane	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							n-Hexane	0.20044 ppb v/v
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							n-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.238323 ppb v/v
							o-Xylene	0.20044 ppb v/v
							Pentane	0.20044 ppb v/v
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.228301 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00235	07/26/24	05/01/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00183	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00171	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00183	07/26/24	04/26/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00171	08/02/24	05/01/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL1w_00271	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00237	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1,2-Trichlorotrifluoroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.233512 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.235116 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dibromoethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Butadiene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2,2,4-Trimethylpentane	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methylbutane	0.20044 ppb v/v
							3-Chloropropene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v
							4-Isopropyltoluene	0.20044 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.234715 ppb v/v
							Acrylonitrile	0.20044 ppb v/v
							Alpha Methyl Styrene	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	0.20044 ppb v/v
							Benzyl chloride	0.20044 ppb v/v
							Bromodichloromethane	0.20044 ppb v/v
							Bromoethene(Vinyl Bromide)	0.20044 ppb v/v
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chlorodifluoromethane	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,2-Dichloroethene	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cumene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dibromochloromethane	0.20044 ppb v/v
							Dibromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Dodecane	0.20044 ppb v/v
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Hexachlorobutadiene	0.225294 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl alcohol	0.23231 ppb v/v
							m,p-Xylene	0.400879 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.20044 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	0.20044 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Butane	0.20044 ppb v/v
							n-Butanol	0.20044 ppb v/v
							n-Butylbenzene	0.20044 ppb v/v
							n-Decane	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							n-Hexane	0.20044 ppb v/v
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							n-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.238323 ppb v/v
							o-Xylene	0.20044 ppb v/v
							Pentane	0.20044 ppb v/v
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.228301 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00237	10/23/24	07/24/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00186	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00173	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL2w_00349	07/26/24	05/01/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00235	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1,2-Trichlorotrifluoroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.583027 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.587031 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Butadiene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v
							2,2,4-Trimethylpentane	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloropropene	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.58603 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Benzyl chloride	0.500453 ppb v/v
							Bromodichloromethane	0.500453 ppb v/v
							Bromoethene(Vinyl Bromide)	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodifluoromethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cumene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Hexachlorobutadiene	0.562509 ppb v/v
							Isopropyl alcohol	0.580025 ppb v/v
							m,p-Xylene	1.00091 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.500453 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	0.500453 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Butane	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v
							n-Butylbenzene	0.500453 ppb v/v
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.595038 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.570015 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00171	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00235	07/26/24	05/01/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00183	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00171	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00183	07/26/24	04/26/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00171	08/02/24	05/01/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15EthCALw_00171	08/02/24	05/01/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL2w_00351	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00237	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1,2-Trichlorotrifluoroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.583027 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.587031 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	0.500453 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Butadiene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v
							2,2,4-Trimethylpentane	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloropropene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.58603 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Benzyl chloride	0.500453 ppb v/v
							Bromodichloromethane	0.500453 ppb v/v
							Bromoethene(Vinyl Bromide)	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodifluoromethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cumene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dibromochloromethane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Hexachlorobutadiene	0.562509 ppb v/v
							Isopropyl alcohol	0.580025 ppb v/v
							m,p-Xylene	1.00091 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.500453 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	0.500453 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	0.500453 ppb v/v
							n-Butane	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v
							n-Butylbenzene	0.500453 ppb v/v
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.595038 ppb v/v
							o-Xylene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.570015 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00173	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00237	10/23/24	07/24/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00186	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00173	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL3w_00278	07/26/24	05/01/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00183	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichlorotrifluoroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,3-Trichlorobenzene	5.81634 ppb v/v
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	5.85628 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dibromoethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,2-Dichlorotetrafluoroethane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Butadiene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2,2,4-Trimethylpentane	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloropropene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Isopropyltoluene	4.99256 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	4.99256 ppb v/v
							Acrolein	5.84629 ppb v/v
							Acrylonitrile	4.99256 ppb v/v
							Alpha Methyl Styrene	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromodichloromethane	4.99256 ppb v/v
							Bromoethene(Vinyl Bromide)	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chlorodifluoromethane	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cumene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Hexachlorobutadiene	5.61164 ppb v/v
							Isopropyl alcohol	5.78638 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	4.99256 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	4.99256 ppb v/v
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butane	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							n-Propylbenzene	4.99256 ppb v/v
							Naphthalene	5.93616 ppb v/v
							o-Xylene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v
							Vinyl acetate	5.68653 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
					ATTO15EthCALw_00171	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00183	07/26/24	04/26/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00171	08/02/24	05/01/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL3w_00280	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00186	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1,2-Trichlorotrifluoroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,3-Trichlorobenzene	5.81634 ppb v/v
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	5.85628 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dibromoethane	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	4.99256 ppb v/v
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,2-Dichlorotetrafluoroethane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Butadiene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2,2,4-Trimethylpentane	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloropropene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Isopropyltoluene	4.99256 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Acetonitrile	4.99256 ppb v/v
							Acrolein	5.84629 ppb v/v
							Acrylonitrile	4.99256 ppb v/v
							Alpha Methyl Styrene	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromodichloromethane	4.99256 ppb v/v
							Bromoethene(Vinyl Bromide)	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chlorodifluoromethane	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cumene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Hexachlorobutadiene	5.61164 ppb v/v
							Isopropyl alcohol	5.78638 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	4.99256 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butane	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							n-Propylbenzene	4.99256 ppb v/v
							Naphthalene	5.93616 ppb v/v
							o-Xylene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	4.99256 ppb v/v
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v
							Vinyl acetate	5.68653 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
					ATTO15EthCALw_00173	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00826	07/26/24	05/01/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00183	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1,2-Trichlorotrifluoroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	11.6477 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	11.7277 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	11.7077 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Hexachlorobutadiene	11.2378 ppb v/v
							Isopropyl alcohol	11.5878 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	11.8877 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	11.3878 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
					ATTO15EthCALw_00171	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00183	07/26/24	04/26/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00171	08/02/24	05/01/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00829	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00186	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichlorotrifluoroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	11.6477 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	11.7277 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	9.99806 ppb v/v
							Acrolein	11.7077 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Hexachlorobutadiene	11.2378 ppb v/v
							Isopropyl alcohol	11.5878 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	11.8877 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	11.3878 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
					ATTO15EthCALw_00173	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL5w_00146	07/26/24	05/01/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00183	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1,2-Trichlorotrifluoroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,3-Trichlorobenzene	17.4791 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	17.5992 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dibromoethane	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,2-Dichlorotetrafluoroethane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Butadiene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2,2,4-Trimethylpentane	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methylbutane	15.0036 ppb v/v
							3-Chloropropene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Isopropyltoluene	15.0036 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v
							Acrolein	17.5692 ppb v/v
							Acrylonitrile	15.0036 ppb v/v
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene(Vinyl Bromide)	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chlorodifluoromethane	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,2-Dichloroethene	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cumene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dibromochloromethane	15.0036 ppb v/v
							Dibromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Dodecane	15.0036 ppb v/v
							Ethyl acetate	15.0036 ppb v/v
							Ethyl ether	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Hexachlorobutadiene	16.864 ppb v/v
							Isopropyl alcohol	17.3891 ppb v/v
							m,p-Xylene	30.0071 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	15.0036 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	15.0036 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Butane	15.0036 ppb v/v
							n-Butanol	15.0036 ppb v/v
							n-Butylbenzene	15.0036 ppb v/v
							n-Decane	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							n-Hexane	15.0036 ppb v/v
							n-Nonane	15.0036 ppb v/v
							n-Octane	15.0036 ppb v/v
							n-Propylbenzene	15.0036 ppb v/v
							Naphthalene	17.8392 ppb v/v
							o-Xylene	15.0036 ppb v/v
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							tert-Butyl alcohol	15.0036 ppb v/v
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	17.0891 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
					ATTO15EthCALw_00171	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00183	07/26/24	04/26/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00171	08/02/24	05/01/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL5w_00148	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00186	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1,2-Trichlorotrifluoroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,3-Trichlorobenzene	17.4791 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	17.5992 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dibromoethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,2-Dichlorotetrafluoroethane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Butadiene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	15.0036 ppb v/v
							2,2,4-Trimethylpentane	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methylbutane	15.0036 ppb v/v
							3-Chloropropene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Isopropyltoluene	15.0036 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v
							Acrolein	17.5692 ppb v/v
							Acrylonitrile	15.0036 ppb v/v
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene(Vinyl Bromide)	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chlorodifluoromethane	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	15.0036 ppb v/v
							cis-1,2-Dichloroethene	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cumene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dibromochloromethane	15.0036 ppb v/v
							Dibromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Dodecane	15.0036 ppb v/v
							Ethyl acetate	15.0036 ppb v/v
							Ethyl ether	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Hexachlorobutadiene	16.864 ppb v/v
							Isopropyl alcohol	17.3891 ppb v/v
							m,p-Xylene	30.0071 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	15.0036 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	15.0036 ppb v/v
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Butane	15.0036 ppb v/v
							n-Butanol	15.0036 ppb v/v
							n-Butylbenzene	15.0036 ppb v/v
							n-Decane	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	15.0036 ppb v/v
							n-Nonane	15.0036 ppb v/v
							n-Octane	15.0036 ppb v/v
							n-Propylbenzene	15.0036 ppb v/v
							Naphthalene	17.8392 ppb v/v
							o-Xylene	15.0036 ppb v/v
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							tert-Butyl alcohol	15.0036 ppb v/v
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	17.0891 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
					ATTO15EthCALw_00173	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL6w_00235	07/26/24	05/01/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00183	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00171	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00183	07/26/24	04/26/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00171	08/02/24	05/01/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL6w_00237	10/23/24	07/24/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00186	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00173	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL7w_00146	07/26/24	05/01/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00183	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1,2-Trichlorotrifluoroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,3-Trichlorobenzene	46.591 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	46.9109 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dibromoethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,2-Dichlorotetrafluoroethane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Butadiene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	39.9922 ppb v/v
							2,2,4-Trimethylpentane	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Methylbutane	39.9922 ppb v/v
							3-Chloropropene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Isopropyltoluene	39.9922 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Acetonitrile	39.9922 ppb v/v
							Acrolein	46.8309 ppb v/v
							Acrylonitrile	39.9922 ppb v/v
							Alpha Methyl Styrene	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v
							Benzyl chloride	39.9922 ppb v/v
							Bromodichloromethane	39.9922 ppb v/v
							Bromoethene(Vinyl Bromide)	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v
							Bromomethane	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chlorodifluoromethane	39.9922 ppb v/v
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	39.9922 ppb v/v
							cis-1,2-Dichloroethene	39.9922 ppb v/v
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cumene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dibromochloromethane	39.9922 ppb v/v
							Dibromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Dodecane	39.9922 ppb v/v
							Ethyl acetate	39.9922 ppb v/v
							Ethyl ether	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Hexachlorobutadiene	44.9513 ppb v/v
							Isopropyl alcohol	46.351 ppb v/v
							m,p-Xylene	79.9845 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	39.9922 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	39.9922 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Butane	39.9922 ppb v/v
							n-Butanol	39.9922 ppb v/v
							n-Butylbenzene	39.9922 ppb v/v
							n-Decane	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	39.9922 ppb v/v
							n-Nonane	39.9922 ppb v/v
							n-Octane	39.9922 ppb v/v
							n-Propylbenzene	39.9922 ppb v/v
							Naphthalene	47.5508 ppb v/v
							o-Xylene	39.9922 ppb v/v
							Pentane	39.9922 ppb v/v
							Propene	39.9922 ppb v/v
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							tert-Butyl alcohol	39.9922 ppb v/v
							tert-Butylbenzene	39.9922 ppb v/v
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v
							Toluene	39.9922 ppb v/v
							trans-1,2-Dichloroethene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Undecane	39.9922 ppb v/v
							Vinyl acetate	45.5512 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
					ATTO15EthCALw_00171	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00183	07/26/24	04/26/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00171	08/02/24	05/01/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25	ChemService, Lot 12173500			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15LCSW_00878	08/01/24	05/01/24	Nitrogen, Lot 13	15.463 L	ATTO15LCSSTKi_00146	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichlorotrifluoroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00146	10/18/24	04/22/24	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00049	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00049	10/18/24		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15LCSW_00879	10/10/24	07/23/24	Nitrogen, Lot 13	15.463 L	ATTO15LCSSTKi_00146	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichlorotrifluoroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00146	10/18/24	04/22/24	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00049	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00049	10/18/24		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15WISs_00010							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tentatively Identified Compound	
							Total Alkanes	
							Xylenes, Total	

Reagent

1gEthanol_00005

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
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CERTIFICATE OF ANALYSIS

Ethyl alcohol

CATALOG NUMBER	N-11885-1G
LOT NUMBER	12173500
DATE CERTIFIED	08/21/19
EXPIRATION DATE	08/30/25
CAS NUMBER	64-17-5
MOLECULAR FORMULA	C2H6O
MOLECULAR WEIGHT	46.07
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/TCD)	99.5
% PURITY (GC/FID)	100.0
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
PHYSICAL APPEARANCE	COLORLESS LIQUID
% PURITY	99.8
ISO 17034:2016	CERTIFIED REFERENCE MATERIAL

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Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

PJLA Testing
Accreditation #0529

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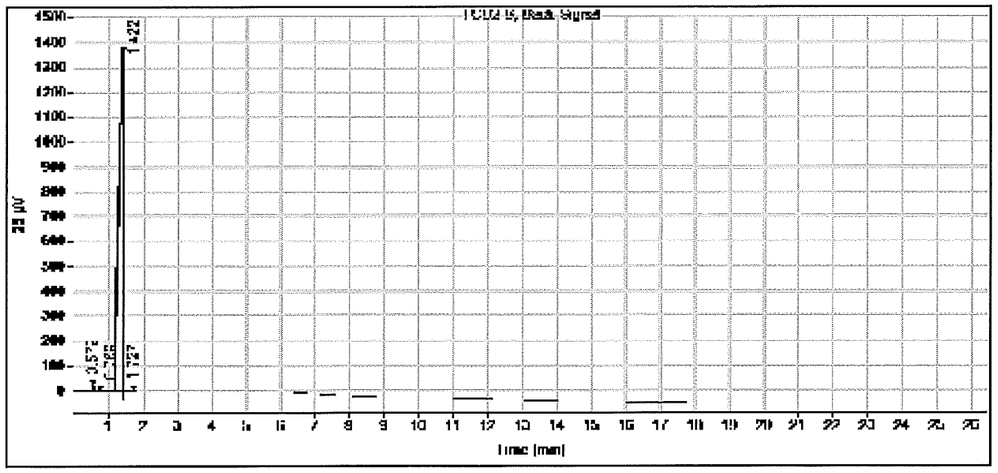
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\0718\SIG2022556.D

Sample name: N-11885 NEAT TCD

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	7/31/2019 11:37:41 AM	**Location:**	Vial 101
Acq. method:	N-11885 TCD.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		



Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.572	BB	0.0212	35.3817	25.4750	0.3006
0.769	BB	0.0375	16.7108	5.8171	0.1420
1.422	BB	0.1103	11708.3486	1361.3082	99.4587
1.727	BB	0.0260	11.6247	7.1305	0.0987
		Sum	11772.0658		

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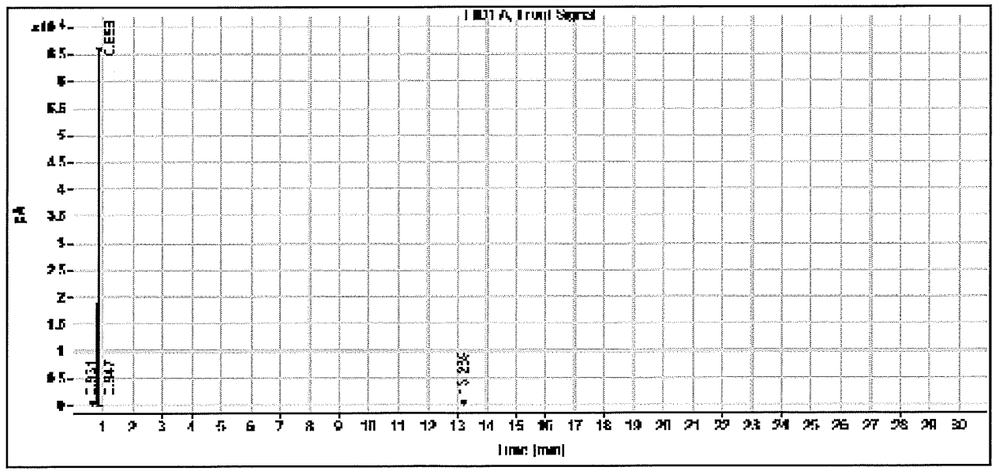
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\073019\073019B 2019-07-30 16-13-42 \101F0403.D

Sample name: N-11885 neat

Instrument:	GC 1	**Sample type:**	Sample
Injection date:	7/31/2019 3:39:30 AM	**Location:**	Vial 101
Acq. method:	N-11885.M	**Injection volume:**	1.0uL
Column name:	DB-624 (30m x 0.53mm x 3.0um)		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.631	BV	0.0075	0.2668	0.5372	0.0002
0.647	VB	0.0112	27.4219	37.6672	0.0185
0.868	BB S	0.0287	148490.7656	65443.6719	99.9813
13.239	BB	0.0025	0.0186	0.1089	0.0000
		Sum	148518.4729		

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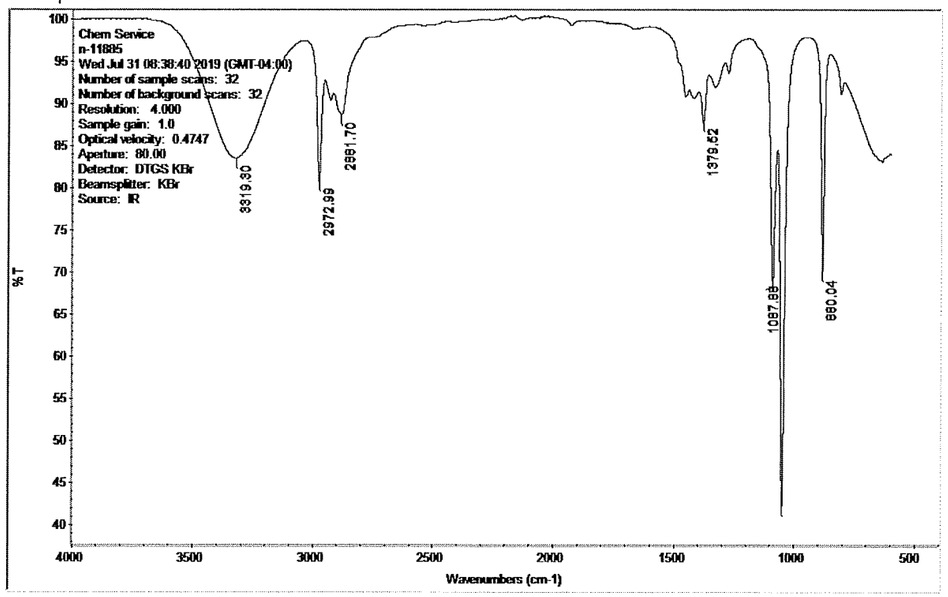
CERTIFICATE OF ANALYSIS

Analysis Method:

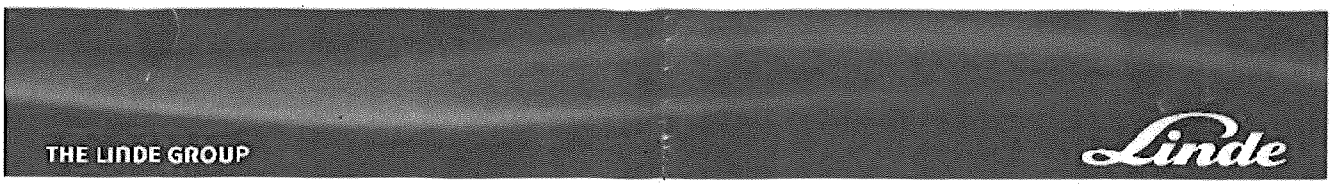
Catalog Number:	N-11885-1G
Description:	Ethyl alcohol
Lot Number:	12173500
Expiration Date:	08/30/25



PJLA Testing

Reagent

ATTO15AMISs_00003



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PAGE: 1 of 1

1787782
ID ATTO15AMISs_00003
Exp.08/31/24 Prpd.TPB Opn.09/11/23
CHAM internal Standard ta

ANALYSIS REPORT

Sales#:	117483798	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1593961	**Cylinder # :**	CC-524298
Report Date:	Aug-31-2023	**Cylinder Pressure:**	2000 psig
P.O.# :	75601243	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24088974	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Aug-31-2024	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Bromochloromethane	74-97-5	100 ppb	95 ppb
1,4-Difluorobenzene	540-36-3	100 ppb	96 ppb
Chlorobenzene-d5	3114-55-4	100 ppb	99 ppb
4-Bromofluorobenzene	460-00-4	100 ppb	100 ppb
Nitrogen	7727-37-9	Balance	Balance

1787782

ANALYST: _____
Brian Bramkamp

DATE: Aug-31-2023

Reagent

ATTO15AMISs_00004

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PAGE: 1 of 1

1921534
ID ATTO15AMISs_00004
Exp: 08/30/29 Prpd
CHAM Internal Standard ta

ANALYSIS REPORT

Sales#:	117483798	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1593961	**Cylinder # :**	CC-524298
Report Date:	Aug-31-2023	**Cylinder Pressure:**	2000 psig
P.O.# :	75601243	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24088974	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	*Aug-31-2024 => 8/30/2029	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Bromochloromethane	74-97-5	100 ppb	95 ppb
1,4-Difluorobenzene	540-36-3	100 ppb	96 ppb
Chlorobenzene-d5	3114-55-4	100 ppb	99 ppb
4-Bromofluorobenzene	460-00-4	100 ppb	100 ppb
Nitrogen	7727-37-9	Balance	Balance

VTP 8/30/24

~~1787782~~ 1921534

* New exp date: 8/30/2029 / Recertified by: VTP 8/30/24

ANALYST: Brian Bramkamp

DATE: Aug-31-2023

Reagent

ATTO15CALs_00049

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PAGE: 1 of 4

ANALYSIS REPORT

Sales#:	117425259		**Cylinder Size:** 152 (8" X 47.5")
Production#:	1545375	1809445	**Cylinder # :** CC-237336
Report Date:	Oct-25-2021	ID ATTO15CALs_00049	**Cylinder Pressure:** 1700 psig
P.O.# :	74005680	Exp 10/18/24 Prpd VTP	**Cylinder Valve:** CGA 350 / Steel
Blend Type:	QUALIFIED	TO15 Second Source Tank	**Cylinder Volume:** 29.5 Liter
Material#:	24106776		**Cylinder Material:** Aluminum
Traceability:	NIST by weight		**Gas Volume:** 3400 Liters
Expiration Date:	Oct-25-2022 * Exp: 10/18/2024		**Blend Tolerance:** 10% Relative
Do NOT use under:	150 psig		**Analytical Accuracy:** 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.03 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.05 ppm
Freon-12	75-71-8	1.00 ppm	1.04 ppm
Chloromethane	74-87-3	1.00 ppm	1.07 ppm
Freon-114	76-14-2	1.00 ppm	1.04 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.03 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.04 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.86 ppm
n-Butane	106-97-8	1.00 ppm	1.04 ppm
Bromomethane	74-83-9	1.00 ppm	1.03 ppm
Chloroethane	75-00-3	1.00 ppm	1.03 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.04 ppm
Acetonitrile	75-05-8	1.00 ppm	0.95 ppm
Acrolein	107-02-8	1.00 ppm	1.01 ppm
Isopentane	78-78-4	1.00 ppm	1.05 ppm
Acetone	67-64-1	1.00 ppm	0.99 ppm
Freon-11	75-69-4	1.00 ppm	1.06 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.98 ppm
Acrylonitrile	107-13-1	1.00 ppm	0.98 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.03 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.02 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.02 ppm
Allyl Chloride	107-05-1	1.00 ppm	1.07 ppm
Freon-113	76-13-1	1.00 ppm	1.05 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.03 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.01 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.02 ppm

* Recertify at 11/06/2023 by VTP

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ANALYSIS REPORT

Sales#:	117425259	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1545375	**Cylinder # :**	CC-237336
Report Date:	Oct-25-2021	**Cylinder Pressure:**	1700 psig
P.O.# :	74005680	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-25-2022	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.05 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.02 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.01 ppm
Hexane	110-54-3	1.00 ppm	1.04 ppm
Chloroform	67-66-3	1.00 ppm	1.01 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.01 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	0.96 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.02 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.03 ppm
Benzene	71-43-2	1.00 ppm	1.03 ppm
1-Butanol	71-36-3	1.00 ppm	0.92 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.03 ppm
Cyclohexane	110-82-7	1.00 ppm	1.05 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.03 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.03 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.05 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	0.97 ppm
Heptane	142-82-5	1.00 ppm	1.05 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.03 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	0.97 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.03 ppm
Toluene	108-88-3	1.00 ppm	1.01 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	0.98 ppm
Dibromochloromethane	124-48-1	1.00 ppm	0.97 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.05 ppm

THE LINDE GROUP

Linde

SHIPPED TO: Test America Inc.
30 Community Dr Ste 11
South Burlington, VT 05403-6834

ANALYSIS REPORT

Sales#:	117425259	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1545375	**Cylinder # :**	CC-237336
Report Date:	Oct-25-2021	**Cylinder Pressure:**	1700 psig
P.O.# :	74005680	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-25-2022	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.03 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.05 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.02 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.01 ppm
p-xylene	106-42-3	1.00 ppm	1.02 ppm
m-xylene	108-38-3	1.00 ppm	1.02 ppm
Bromoform	75-25-2	1.00 ppm	1.02 ppm
Styrene	100-42-5	1.00 ppm	1.00 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.05 ppm
Cumene	98-82-8	1.00 ppm	1.04 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.04 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.04 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.03 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	1.02 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.04 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.06 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.06 ppm
n-Decane	124-18-5	1.00 ppm	1.02 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.02 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.01 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.02 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.02 ppm

THE LINDE GROUP

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SHIPPED TO: Test America Inc.
30 Community Dr Ste 11
South Burlington, VT 05403-6834

PAGE: 4 of 4

ANALYSIS REPORT

Sales#:	117425259	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1545375	**Cylinder # :**	CC-237336
Report Date:	Oct-25-2021	**Cylinder Pressure:**	1700 psig
P.O.# :	74005680	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-25-2022	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.03 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.05 ppm
Naphthalene	91-20-3	1.00 ppm	0.95 ppm
n-Dodecane	112-40-3	1.00 ppm	0.93 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	0.92 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.02 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti

DATE: Oct-25-2021

Linde Gas North America LLC

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

Preliminary Report

Eurofins Burlington

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231020-57485.b\57485_004.D

Lims ID: lcs Inj. Date: 20-Oct-2023 09:44:43

Worklist ID: 200-0057485-004 Instrument: CHAN.i

Method: TO15_TO3_Master_Method_AN

Duplicate analysis
Recertification

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(
1 Propene	10.0	10.5	104.8	50-158
2 Dichlorodifluoromethane	10.0	9.94	99.4	61-142
3 Chlorodifluoromethane	10.0	9.92	99.2	60-147
4 1,2-Dichloro-1,1,2,2-te	10.0	9.66	96.6	71-141
5 Chloromethane	10.0	9.84	98.4	56-141
7 Butane	10.0	8.13	81.3	53-151
6 Vinyl chloride	10.0	8.23	82.3	61-135
8 Butadiene	10.0	7.26	72.6	58-139
9 Bromomethane	10.0	9.69	96.9	72-124
10 Chloroethane	10.0	9.74	97.4	68-130
12 2-Methylbutane	10.0	8.68	86.8	56-150
13 Vinyl bromide	10.0	9.82	98.2	75-125
14 Trichlorofluoromethane	10.0	9.32	93.2	70-129
15 Pentane	10.0	8.71	87.1	59-152
16 Ethanol	15.0	13.4	89.3	50-150
18 Ethyl ether	10.0	9.04	90.4	71-143
19 Acrolein	10.0	8.55	85.5	50-150
20 1,1-Dichloroethene	10.0	9.07	90.7	68-120
21 1,1,2-Trichloro-1,2,2-t	10.0	9.37	93.7	70-121
22 Acetone	10.0	8.94	89.4	54-154
23 Isopropyl alcohol	10.0	9.07	90.7	53-142
24 Carbon disulfide	10.0	9.13	91.3	71-138
25 Acetonitrile	10.0	8.31	83.1	60-154
26 3-Chloro-1-propene	10.0	7.38	73.8	50-150
27 Methylene Chloride	10.0	8.19	82.0	59-137
28 2-Methyl-2-propanol	10.0	9.37	93.7	66-132
29 Acrylonitrile	10.0	8.21	82.1	65-140
31 Methyl tert-butyl ether	10.0	9.01	90.1	70-127
30 trans-1,2-Dichloroethen	10.0	8.23	82.3	69-137
32 Hexane	10.0	8.36	83.6	63-138
S 35 1,2-Dichloroethene, Tot	20.0	17.1	85.3	73-126
33 1,1-Dichloroethane	10.0	8.21	82.1	66-130
34 Vinyl acetate	10.0	8.30	83.0	59-149
36 2-Butanone (MEK)	10.0	8.80	88.0	72-124
37 cis-1,2-Dichloroethene	10.0	8.82	88.2	72-121
38 Ethyl acetate	10.0	9.64	96.5	70-131
40 Tetrahydrofuran	10.0	8.18	81.8	60-149
41 Chloroform	10.0	8.87	88.7	73-124
42 1,1,1-Trichloroethane	10.0	9.12	91.2	72-127
43 Cyclohexane	10.0	9.21	92.1	76-124
44 Carbon tetrachloride	10.0	9.10	91.0	71-133

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231020-57485.b\57485_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(
45 Benzene	10.0	8.83	88.3	73-119
46 1,2-Dichloroethane	10.0	8.75	87.5	68-135
47 Isooctane	10.0	8.60	86.0	68-131
48 n-Heptane	10.0	8.05	80.6	60-142
50 n-Butanol	10.0	8.76	87.7	50-156
51 Trichloroethene	10.0	9.03	90.3	73-122
53 1,2-Dichloropropane	10.0	8.42	84.2	69-128
54 Methyl methacrylate	10.0	9.11	91.1	73-129
55 1,4-Dioxane	10.0	10.2	101.8	66-129
57 Dibromomethane	10.0	9.44	94.4	68-126
58 Dichlorobromomethane	10.0	9.02	90.2	75-127
59 cis-1,3-Dichloropropene	10.0	9.11	91.1	74-125
61 4-Methyl-2-pentanone (M	10.0	8.36	83.6	58-144
62 Toluene	10.0	9.37	93.7	75-122
64 n-Octane	10.0	8.18	81.8	62-144
66 trans-1,3-Dichloroprope	10.0	9.08	90.8	74-128
67 1,1,2-Trichloroethane	10.0	8.88	88.9	75-126
68 Tetrachloroethene	10.0	9.31	93.1	70-125
69 2-Hexanone	10.0	8.38	83.8	57-143
70 Chlorodibromomethane	10.0	9.44	94.4	73-125
71 Ethylene Dibromide	10.0	9.47	94.8	78-122
74 Chlorobenzene	10.0	9.19	91.9	76-119
75 Ethylbenzene	10.0	9.32	93.2	74-122
76 m-Xylene & p-Xylene	20.0	18.9	94.7	76-121
77 n-Nonane	10.0	8.41	84.1	70-131
S 80 Xylenes, Total	30.0	28.6	95.4	75-122
78 o-Xylene	10.0	9.67	96.8	73-123
79 Styrene	10.0	9.78	97.8	74-125
81 Bromoform	10.0	9.46	94.6	53-149
82 Isopropylbenzene	10.0	9.71	97.1	73-123
83 1,1,2,2-Tetrachloroetha	10.0	8.92	89.2	74-126
84 1,2,3-Trichloropropane	10.0	9.09	90.9	71-125
85 N-Propylbenzene	10.0	9.53	95.3	73-127
86 2-Chlorotoluene	10.0	9.22	92.2	74-126
87 4-Ethyltoluene	10.0	9.68	96.8	75-129
88 1,3,5-Trimethylbenzene	10.0	9.59	95.9	72-126
89 n-Decane	10.0	8.55	85.5	68-134
90 Alpha Methyl Styrene	10.0	10.1	101.2	71-132
91 tert-Butylbenzene	10.0	9.64	96.4	71-125
92 1,2,4-Trimethylbenzene	10.0	9.59	95.9	71-129
93 sec-Butylbenzene	10.0	9.66	96.7	70-128
94 1,3-Dichlorobenzene	10.0	9.51	95.1	69-131
95 4-Isopropyltoluene	10.0	9.86	98.6	68-130
96 1,4-Dichlorobenzene	10.0	9.54	95.4	67-132
97 Benzyl chloride	10.0	9.43	94.3	60-136
98 n-Butylbenzene	10.0	9.63	96.3	65-137

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231020-57485.b\57485_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C
99 1,2-Dichlorobenzene	10.0	9.45	94.5	68-129
100 Undecane	10.0	8.77	87.7	62-136
101 Dodecane	10.0	9.06	90.6	50-150
102 1,2,4-Trichlorobenzene	10.0	9.66	96.6	50-150
103 Hexachlorobutadiene	10.0	9.31	93.1	58-130
104 Naphthalene	10.0	9.72	97.2	50-150
105 1,2,3-Trichlorobenzene	10.0	9.39	93.9	50-150

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-70402-A-1	200-70402-A-2	200-70402-A-3
200-70404-A-1	200-70404-A-2	200-70404-A-3

Preliminary Report

Eurofins Burlington

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231021-57501.b\57501_003.D
Lims ID: lcs Inj. Date: 21-Oct-2023 14:53:03
Worklist ID: 200-0057501-003 Instrument: CHAN.i
Method: TO15_TO3_Master_Method_AN

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(	$\bar{x}$	D	RPD
1 Propene	10.0	10.2	102.1	50-158	103.45	1.35	1.31
2 Dichlorodifluoromethane	10.0	9.86	98.6	61-142	99.00	0.40	0.40
3 Chlorodifluoromethane	10.0	9.67	96.7	60-147	97.95	1.25	1.28
4 1,2-Dichloro-1,1,2,2-te	10.0	9.56	95.6	71-141	96.05	0.45	0.47
5 Chloromethane	10.0	9.55	95.5	56-141	96.95	1.45	1.50
7 Butane	10.0	8.13	81.3	53-151	81.30	0.00	0.00
6 Vinyl chloride	10.0	8.08	80.8	61-135	81.55	0.75	0.92
8 Butadiene	10.0	7.83	78.3	58-139	75.45	2.85	3.78
9 Bromomethane	10.0	9.68	96.8	72-124	96.85	0.05	0.05
10 Chloroethane	10.0	9.84	98.5	68-130	97.95	0.55	0.56
12 2-Methylbutane	10.0	9.10	91.0	56-150	88.90	2.10	2.36
13 Vinyl bromide	10.0	9.81	98.1	75-125	98.15	0.05	0.05
14 Trichlorofluoromethane	10.0	9.40	94.1	70-129	93.65	0.45	0.48
15 Pentane	10.0	9.31	93.2	59-152	90.15	3.05	3.38
16 Ethanol	15.0	14.3	95.1	50-150			
18 Ethyl ether	10.0	9.41	94.2	71-143	92.30	1.90	2.06
19 Acrolein	10.0	9.05	90.5	50-150	88.00	2.50	2.84
20 1,1-Dichloroethene	10.0	9.31	93.2	68-120	91.95	1.25	1.35
21 1,1,2-Trichloro-1,2,2-t	10.0	9.46	94.6	70-121	94.15	0.45	0.47
22 Acetone	10.0	9.51	95.1	54-154	92.25	2.85	3.09
23 Isopropyl alcohol	10.0	9.88	98.8	53-142	94.75	4.05	4.27
24 Carbon disulfide	10.0	9.40	94.0	71-138	92.65	1.35	1.46
25 Acetonitrile	10.0	9.07	90.7	60-154	86.90	3.80	4.37
26 3-Chloro-1-propene	10.0	8.15	81.6	50-150	77.70	3.90	5.02
27 Methylene Chloride	10.0	8.76	87.6	59-137	84.80	2.80	3.20
28 2-Methyl-2-propanol	10.0	10.0	100.1	66-132	96.90	3.20	3.30
29 Acrylonitrile	10.0	8.90	89.0	65-140	85.55	3.45	4.03
31 Methyl tert-butyl ether	10.0	9.36	93.6	70-127	91.85	1.75	1.90
30 trans-1,2-Dichloroethen	10.0	8.59	85.9	69-137	84.10	1.80	2.14
32 Hexane	10.0	8.96	89.6	63-138	86.60	3.00	3.46
S 35 1,2-Dichloroethene, Tot	20.0	17.6	88.1	73-126	~~83.90~~		
33 1,1-Dichloroethane	10.0	8.56	85.7	66-130	83.90	1.80	2.14
34 Vinyl acetate	10.0	9.21	92.2	59-149	87.60	4.60	5.25
36 2-Butanone (MEK)	10.0	9.30	93.0	72-124	90.50	2.50	2.77
37 cis-1,2-Dichloroethene	10.0	9.03	90.3	72-121	89.25	1.05	1.18
38 Ethyl acetate	10.0	10.1	101.3	70-131	98.90	2.40	2.43
40 Tetrahydrofuran	10.0	8.91	89.1	60-149	85.45	3.65	4.27
41 Chloroform	10.0	9.02	90.3	73-124	89.50	0.80	0.89
42 1,1,1-Trichloroethane	10.0	9.02	90.2	72-127	90.20	0.50	0.55
43 Cyclohexane	10.0	9.41	94.1	76-124	93.10	1.00	1.07
44 Carbon tetrachloride	10.0	9.01	90.1	71-133	90.55	0.45	0.50

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231021-57501.b\57501_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_(	X	D	RPD
45 Benzene	10.0	9.06	90.6	73-119	89.45	1.15	1.29
46 1,2-Dichloroethane	10.0	8.83	88.3	68-135	87.90	0.40	0.46
47 Isooctane	10.0	9.02	90.3	68-131	88.15	2.15	2.44
48 n-Heptane	10.0	8.67	86.7	60-142	83.65	3.05	3.65
50 n-Butanol	10.0	9.38	93.8	50-156	90.75	3.05	3.36
51 Trichloroethene	10.0	9.10	91.0	73-122	90.65	0.35	0.39
53 1,2-Dichloropropane	10.0	8.70	87.0	69-128	85.60	1.40	1.63
54 Methyl methacrylate	10.0	9.40	94.1	73-129	92.60	1.50	1.62
55 1,4-Dioxane	10.0	10.4	103.5	66-129	102.65	0.85	0.83
57 Dibromomethane	10.0	9.37	93.7	68-126	94.05	0.35	0.37
58 Dichlorobromomethane	10.0	9.02	90.2	75-127	90.2	0.00	0.00
59 cis-1,3-Dichloropropene	10.0	9.36	93.6	74-125	92.35	1.25	1.35
61 4-Methyl-2-pentanone (M	10.0	8.95	89.6	58-144	86.60	3.00	3.46
62 Toluene	10.0	9.61	96.1	75-122	94.90	1.20	1.26
64 n-Octane	10.0	8.73	87.4	62-144	84.60	2.80	3.31
66 trans-1,3-Dichloroprope	10.0	9.20	92.0	74-128	91.40	0.60	0.66
67 1,1,2-Trichloroethane	10.0	9.11	91.1	75-126	90.00	1.10	1.22
68 Tetrachloroethene	10.0	9.41	94.1	70-125	93.60	0.50	0.53
69 2-Hexanone	10.0	9.04	90.4	57-143	87.10	3.30	3.78
70 Chlorodibromomethane	10.0	9.49	94.9	73-125	94.65	0.25	0.26
71 Ethylene Dibromide	10.0	9.60	96.0	78-122	95.40	0.60	0.63
74 Chlorobenzene	10.0	9.33	93.3	76-119	92.60	0.70	0.76
75 Ethylbenzene	10.0	9.52	95.3	74-122	94.25	1.05	1.11
76 m-Xylene & p-Xylene	20.0	19.4	97.0	76-121	95.85	1.15	1.20
77 n-Nonane	10.0	9.38	93.9	70-131	89.00	4.90	5.50
S 80 Xylenes, Total	30.0	29.5	98.3	75-122			
78 o-Xylene	10.0	10.1	100.9	73-123	98.85	2.05	2.07
79 Styrene	10.0	10.2	102.2	74-125	100.00	2.20	2.20
81 Bromoform	10.0	9.45	94.6	53-149	94.60	0.00	0.00
82 Isopropylbenzene	10.0	9.90	99.0	73-123	98.05	0.95	0.97
83 1,1,2,2-Tetrachloroetha	10.0	9.11	91.1	74-126	90.15	0.95	1.05
84 1,2,3-Trichloropropane	10.0	9.26	92.6	71-125	91.75	0.85	0.93
85 N-Propylbenzene	10.0	9.69	96.9	73-127	96.10	0.80	0.83
86 2-Chlorotoluene	10.0	9.36	93.7	74-126	92.95	0.75	0.81
87 4-Ethyltoluene	10.0	9.75	97.5	75-129	97.15	0.35	3.60
88 1,3,5-Trimethylbenzene	10.0	9.70	97.0	72-126	96.45	0.55	0.57
89 n-Decane	10.0	8.90	89.0	68-134	87.25	1.75	2.01
90 Alpha Methyl Styrene	10.0	10.2	102.5	71-132	101.85	0.65	0.64
91 tert-Butylbenzene	10.0	9.66	96.6	71-125	96.50	0.10	0.10
92 1,2,4-Trimethylbenzene	10.0	9.74	97.4	71-129	96.65	0.75	0.78
93 sec-Butylbenzene	10.0	9.66	96.6	70-128	96.65	0.05	0.05
94 1,3-Dichlorobenzene	10.0	9.51	95.1	69-131	95.10	0.00	0.00
95 4-Isopropyltoluene	10.0	9.89	98.9	68-130	98.75	0.15	0.15
96 1,4-Dichlorobenzene	10.0	9.55	95.5	67-132	95.45	0.05	0.05
97 Benzyl chloride	10.0	9.45	94.6	60-136	94.40	0.20	0.21
98 n-Butylbenzene	10.0	9.68	96.8	65-137	96.55	0.25	0.26

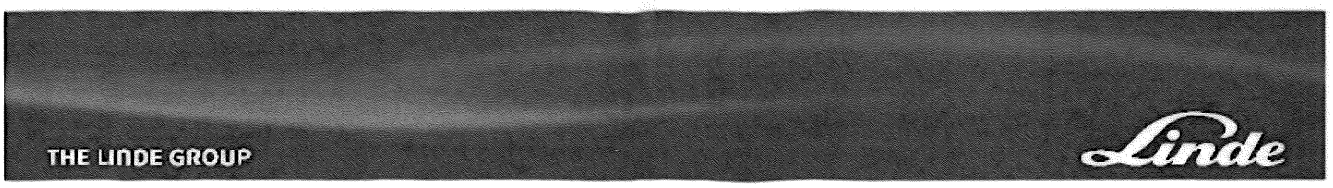
Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231021-57501.b\57501_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C	$\bar{X}$	D	RPD
99 1,2-Dichlorobenzene	10.0	9.45	94.5	68-129	94,50	0,00	0,00
100 Undecane	10.0	8.98	89.8	62-136	88,75	1,05	1,18
101 Dodecane	10.0	9.09	90.9	50-150	90,25	0,15	0,17
102 1,2,4-Trichlorobenzene	10.0	9.64	96.4	50-150	96,50	0,10	0,10
103 Hexachlorobutadiene	10.0	9.29	92.9	58-130	93,00	0,10	0,11
104 Naphthalene	10.0	9.72	97.2	50-150	97,20	0,00	0,00
105 1,2,3-Trichlorobenzene	10.0	9.44	94.4	50-150	94,15	0,25	0,27

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-70404-A-2	200-70404-A-3	200-70404-A-6
200-70404-A-7	200-70404-A-8	200-70404-A-9
200-70404-A-10	200-70404-A-11	200-70398-A-1
200-70398-A-2	200-70398-A-3	200-70398-A-4
200-70398-A-5		



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30 Community Dr
South Burlington, VT 05403

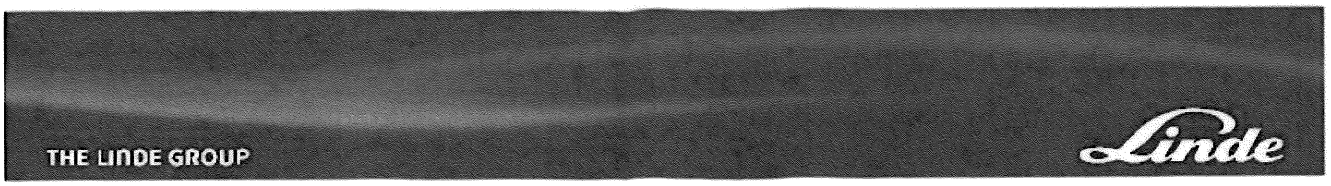
PAGE: 1 of 4

1809416
ID ATTO15CALs_00048
Exp 10/18/24 Prpd
TO15 Calibration Source I

ANALYSIS REPORT

Sales#:	117483885	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1595731	**Cylinder # :**	CC-133603
Report Date:	Oct-18-2023	**Cylinder Pressure:**	1700 psig
P.O.# :	75601236	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-18-2024	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.02 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.07 ppm
Freon-12	75-71-8	1.00 ppm	1.04 ppm
Chloromethane	74-87-3	1.00 ppm	1.02 ppm
Freon-114	76-14-2	1.00 ppm	1.09 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.04 ppm
1,3-Butadiene	106-99-0	1.00 ppm	0.98 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.58 ppm
n-Butane	106-97-8	1.00 ppm	1.06 ppm
Bromomethane	74-83-9	1.00 ppm	1.04 ppm
Chloroethane	75-00-3	1.00 ppm	1.06 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.02 ppm
Acetonitrile	75-05-8	1.00 ppm	0.92 ppm
Acrolein	107-02-8	1.00 ppm	0.94 ppm
Isopentane	78-78-4	1.00 ppm	1.05 ppm
Acetone	67-64-1	1.00 ppm	1.04 ppm
Freon-11	75-69-4	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.97 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.03 ppm
n-Pentane	109-66-0	1.00 ppm	1.04 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.04 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.09 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.05 ppm
Freon-113	76-13-1	1.00 ppm	1.06 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.05 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.04 ppm



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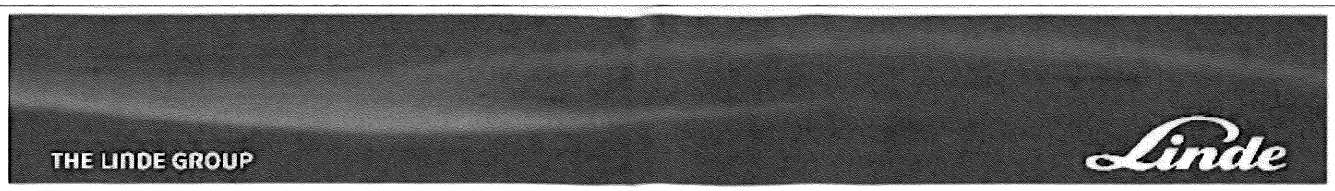
South Burlington, VT 05403

ANALYSIS REPORT

Sales#:	117483885	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1595731	**Cylinder # :**	CC-133603
Report Date:	Oct-18-2023	**Cylinder Pressure:**	1700 psig
P.O.# :	75601236	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-18-2024	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate (No Stability Guarantee)	108-05-4	1.00 ppm	0.79 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.03 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.05 ppm
Hexane	110-54-3	1.00 ppm	1.05 ppm
Chloroform	67-66-3	1.00 ppm	1.05 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.04 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	0.98 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.05 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.04 ppm
Benzene	71-43-2	1.00 ppm	1.04 ppm
1-Butanol (No Stability Guarantee)	71-36-3	1.00 ppm	0.70 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.04 ppm
Cyclohexane	110-82-7	1.00 ppm	1.04 ppm
Dibromomethane	74-95-3	1.00 ppm	1.04 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.04 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.02 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.02 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.03 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.03 ppm
Heptane	142-82-5	1.00 ppm	1.04 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.02 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.05 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.00 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.05 ppm
Toluene	108-88-3	1.00 ppm	1.03 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.01 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.06 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.06 ppm



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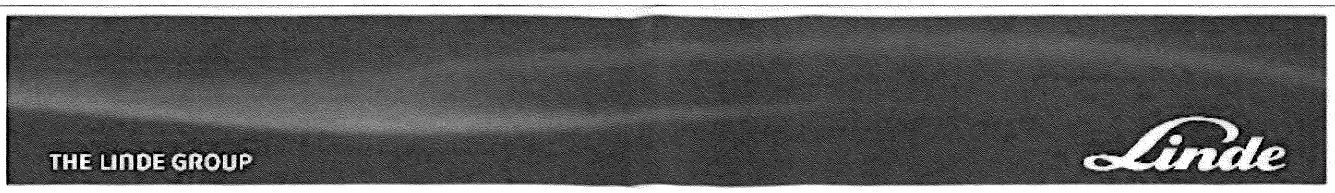
ANALYSIS REPORT

Sales#:	117483885	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1595731	**Cylinder # :**	CC-133603
Report Date:	Oct-18-2023	**Cylinder Pressure:**	1700 psig
P.O.# :	75601236	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-18-2024	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.03 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.06 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.05 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.02 ppm
p-xylene	106-42-3	1.00 ppm	1.03 ppm
m-xylene	108-38-3	1.00 ppm	1.03 ppm
Bromoform	75-25-2	1.00 ppm	1.03 ppm
Styrene	100-42-5	1.00 ppm	1.02 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.04 ppm
Nonane	111-84-2	1.00 ppm	1.04 ppm
Cumene	98-82-8	1.00 ppm	1.05 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.04 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.03 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.02 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	0.99 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.03 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.03 ppm
n-Decane	124-18-5	1.00 ppm	1.03 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.03 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.04 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.07 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.05 ppm



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ANALYSIS REPORT

Sales#:	117483885	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1595731	**Cylinder # :**	CC-133603
Report Date:	Oct-18-2023	**Cylinder Pressure:**	1700 psig
P.O.# :	75601236	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	QUALIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	24106776	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	3400 Liters
Expiration Date:	Oct-18-2024	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.06 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.04 ppm
Naphthalene	91-20-3	1.00 ppm	1.05 ppm
n-Dodecane	112-40-3	1.00 ppm	1.07 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.09 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.05 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti

Lou Lorenzetti

DATE: Oct-18-2023

Reagent

ATTO15CALs_00050

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Analysis Report

1871092
ID ATTO15CALs_00050
Exp 03/27/25 Prpd. VTP
TO15 Calibration Source T

VTP 3/27/24

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South Burlington, VT 05403

PAGE: 1 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

Primary Reference Material intended for the calibration of gas analyzers or instrumentation. General instructions for proper use of gas mixtures are found in "ISO 16664: Gas analysis – handling of calibration gases and gas mixtures".

Contents under pressure, store in secure area and do not expose to temperatures greater than 150 °F.

Recommended Operating temperature within 32°F (0°C) and 125°F (52°C).

Recommended minimum sample size 10 mL.

Except where noted, results are reported in mole/mole ppm as determined by Gas Chromatography using qualified reference standards under ANA-50-741-ALP and ANA-50-742-ALP and meets ISO/IEC 17025 requirements. Every cylinder is analyzed and represents one unique lot.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor providing a level of confidence of 95% and has been carried out in accordance with ISO/IEC 17025 requirements.

This report is issued in accordance with the laboratory accreditation requirements of ANAB. It provides traceability of measurement to recognized national standards, and to units of measurement realized by the National Institute of Standards and Technology (NIST).

Linde Spectra Environmental Gases

Linde North America, Inc.

80 Industrial Drive, Alpha, NJ 08865
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www.lideus.com

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PAGE: 2 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Propylene	115-07-1	1.000 ppm	2.571	1.066 ppm	± 0.050 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	2.571	1.065 ppm	± 0.044 ppm
Freon-12	75-71-8	1.000 ppm	2.571	1.048 ppm	± 0.033 ppm
Chloromethane	74-87-3	1.000 ppm	2.571	1.055 ppm	± 0.050 ppm
Freon-114	76-14-2	1.000 ppm	2.571	1.056 ppm	± 0.055 ppm
Vinyl Chloride	75-01-4	1.000 ppm	2.571	1.052 ppm	± 0.035 ppm
1,3-Butadiene	106-99-0	1.000 ppm	2.571	1.059 ppm	± 0.030 ppm
Methanol	67-56-1	1.000 ppm	2.571	1.213 ppm	± 0.034 ppm
n-Butane	106-97-8	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Bromomethane	74-83-9	1.000 ppm	2.571	1.051 ppm	± 0.033 ppm
Chloroethane	75-00-3	1.000 ppm	2.571	1.046 ppm	± 0.028 ppm
Vinyl Bromide	593-60-2	1.000 ppm	2.571	1.058 ppm	± 0.028 ppm
Acetonitrile	75-05-8	1.000 ppm	2.571	1.101 ppm	± 0.036 ppm
Acrolein	107-02-8	1.000 ppm	2.571	1.171 ppm	± 0.038 ppm
Isopentane	78-78-4	1.000 ppm	2.571	1.060 ppm	± 0.038 ppm
Acetone	67-64-1	1.000 ppm	2.571	1.066 ppm	± 0.036 ppm
Freon-11	75-69-4	1.000 ppm	2.571	1.029 ppm	± 0.026 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	2.571	1.159 ppm	± 0.029 ppm
n-Pentane	109-66-0	1.000 ppm	2.571	1.057 ppm	± 0.026 ppm
Acrylonitrile	107-13-1	1.000 ppm	2.571	1.070 ppm	± 0.034 ppm
Ethyl Ether	60-29-7	1.000 ppm	2.571	1.059 ppm	± 0.043 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	2.571	1.087 ppm	± 0.034 ppm
Carbon Disulfide	75-15-0	1.000 ppm	2.571	1.083 ppm	± 0.034 ppm
Methylene Chloride	75-09-2	1.000 ppm	2.571	1.063 ppm	± 0.027 ppm
Tert-Butanol	75-65-0	1.000 ppm	2.571	1.084 ppm	± 0.027 ppm
3-Chloropropene	107-05-1	1.000 ppm	2.571	1.047 ppm	± 0.026 ppm
Freon-113	76-13-1	1.000 ppm	2.571	1.082 ppm	± 0.033 ppm

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PAGE: 3 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	2.571	1.035 ppm	± 0.034 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	2.571	1.042 ppm	± 0.042 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	2.571	1.050 ppm	± 0.031 ppm
Vinyl Acetate	108-05-4	1.000 ppm	2.571	1.139 ppm	± 0.030 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	2.571	1.060 ppm	± 0.023 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	2.571	1.081 ppm	± 0.042 ppm
Hexane	110-54-3	1.000 ppm	2.571	1.057 ppm	± 0.041 ppm
Chloroform	67-66-3	1.000 ppm	2.571	1.034 ppm	± 0.026 ppm
Ethyl Acetate	141-78-6	1.000 ppm	2.571	1.028 ppm	± 0.026 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	2.571	1.058 ppm	± 0.025 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	2.571	1.037 ppm	± 0.032 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	2.571	1.040 ppm	± 0.034 ppm
Benzene	71-43-2	1.000 ppm	2.571	1.042 ppm	± 0.040 ppm
1-Butanol	71-36-3	1.000 ppm	2.571	1.092 ppm	± 0.027 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	2.571	1.045 ppm	± 0.026 ppm
Cyclohexane	110-82-7	1.000 ppm	2.571	1.058 ppm	± 0.032 ppm
Dibromomethane	74-95-3	1.000 ppm	2.571	1.044 ppm	± 0.026 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	2.571	1.052 ppm	± 0.026 ppm
Trichloroethylene	79-01-6	1.000 ppm	2.571	1.048 ppm	± 0.025 ppm
Bromodichloromethane	75-27-4	1.000 ppm	2.571	1.043 ppm	± 0.025 ppm
1,4-Dioxane	123-91-1	1.000 ppm	2.571	1.045 ppm	± 0.025 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	2.571	1.044 ppm	± 0.025 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	2.571	1.049 ppm	± 0.024 ppm
Heptane	142-82-5	1.000 ppm	2.571	1.048 ppm	± 0.024 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	2.571	1.056 ppm	± 0.028 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	2.571	1.044 ppm	± 0.028 ppm
Methylcyclohexane	108-87-2	1.000 ppm	2.571	1.042 ppm	± 0.028 ppm

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South Burlington, VT 05403

Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	2.571	1.053 ppm	± 0.026 ppm
1,1,2-Trichloroethane	79-00-5	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Toluene	108-88-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
Dibromochloromethane	124-48-1	1.000 ppm	2.571	1.052 ppm	± 0.023 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	2.571	1.049 ppm	± 0.023 ppm
n-Octane	111-65-9	1.000 ppm	2.571	1.056 ppm	± 0.027 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	2.571	1.039 ppm	± 0.020 ppm
Chlorobenzene	108-90-7	1.000 ppm	2.571	1.051 ppm	± 0.023 ppm
Ethylbenzene	100-41-4	1.000 ppm	2.571	1.053 ppm	± 0.022 ppm
p-xylene	106-42-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
m-xylene	108-38-3	1.000 ppm	2.571	1.048 ppm	± 0.021 ppm
Bromoform	75-25-2	1.000 ppm	2.571	1.051 ppm	± 0.051 ppm
Styrene	100-42-5	1.000 ppm	2.571	1.056 ppm	± 0.023 ppm
o-xylene	95-47-6	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	2.571	1.065 ppm	± 0.031 ppm
Nonane	111-84-2	1.000 ppm	2.571	1.052 ppm	± 0.021 ppm
Cumene	98-82-8	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	2.571	1.063 ppm	± 0.031 ppm
n-Propylbenzene	103-65-1	1.000 ppm	2.571	1.057 ppm	± 0.031 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	2.571	1.052 ppm	± 0.039 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	2.571	1.053 ppm	± 0.045 ppm
alpha-Methyl Styrene	98-83-9	1.000 ppm	2.571	1.081 ppm	± 0.045 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	2.571	1.062 ppm	± 0.048 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	2.571	1.069 ppm	± 0.048 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	2.571	1.086 ppm	± 0.050 ppm

Linde Spectra Environmental Gases

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Linde North America, Inc.

80 Industrial Drive, Alpha, NJ 08865
Phone: +1.908.329-9700 FAX: +1.908.329-9740

THE LINDE GROUP

Linde

ISO/IEC 17025

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17025
TESTING LABORATORY

Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 5 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Benzyl Chloride	100-44-7	1.000 ppm	2.571	1.078 ppm	± 0.049 ppm
n-Decane	124-18-5	1.000 ppm	2.571	1.080 ppm	± 0.049 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	2.571	1.087 ppm	± 0.048 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	2.571	1.067 ppm	± 0.051 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	2.571	1.077 ppm	± 0.056 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	2.571	1.080 ppm	± 0.047 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	2.571	1.092 ppm	± 0.059 ppm
n-Undecane	1120-21-4	1.000 ppm	2.571	1.074 ppm	± 0.058 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	2.571	1.173 ppm	± 0.068 ppm
Naphthalene	91-20-3	1.000 ppm	2.571	1.189 ppm	± 0.094 ppm
n-Dodecane	112-40-3	1.000 ppm	2.571	1.084 ppm	± 0.076 ppm

Linde Spectra Environmental Gases

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Linde North America, Inc.

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ISO/IEC 17025

Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 6 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	**Cylinder Size:**	152 (8" X 47.5")
Production#:	1603549	**Cylinder # :**	CC-524925
Report Date:	Mar-27-2024	**Cylinder Pressure:**	2000 psig
P.O.#:	75737466	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	ISO-17025	**Cylinder Volume:**	29.5 Liter
Material#:	24104980	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	4000 Liters
Expiration Date:	Mar-27-2025	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Method of Analysis:**	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	2.571	1.165 ppm	± 0.082 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	2.571	1.124 ppm	± 0.064 ppm
Nitrogen	7727-37-9	Balance		Balance	

20% Blend Tolerance on Acetonitrile, Acrolein, Isopropyl Alcohol, Vinyl Acetate, Tert-Butanol, 1-Butanol, 1,2,4-Trichlorobenzene, Naphthalene, 1,2,3-Trichlorobenzene, alpha-Methylstyrene, Benzyl Chloride, and Hexachloro-1,3-Butadiene.

25% Blend Tolerance on Methanol.

No Stability Guarantee on Methanol.

ANALYST: Lou Lorenzetti

DATE: Mar-27-2024

Linde Spectra Environmental Gases

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Linde North America, Inc.

80 Industrial Drive, Alpha, NJ 08865
Phone: +1.908.329-9700 FAX: +1.908.329-9740

Reagent

ATTO15WISs_00010

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

AT~~06~~= 02-06-05 9/28/05 MTP

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

Recert AT020/009 exp 12/14/08
Instrument F

CERTIFICATE OF ANALYSIS

Lot# 238643

SGI ORDER # :	0077411
ITEM# :	1
CERTIFICATION DATE:	9/16/2005
P.O.# :	2117184
BLEND TYPE:	CERTIFIED

CYLINDER # : CC-172855
CYLINDER PRES: 2000 psig
CYLINDER VALVE: CGA 350
PRODUCT EXPIRATION DATE: 9/16/2006 *

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	100 ppb
1,4-Difluorobenzene	100 ppb	101 ppb
Chlorobenzene-d5	100 ppb	100 ppb
4-Bromofluorobenzene	100 ppb	100 ppb
Nitrogen	Balance	Balance

1675511
ID ATTO15WISs_00010
Exp:11/05/25 Prpd:TPB Opn:11/05/20
Instrument W Internal Sta

* Exp: 11/05/2025
* Recertify at 11/05/2020 by TPB

ANALYST: April Chamberlain

DATE: 9/19/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Method TO15

Volatile Organic Compounds (GC/MS) by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 62087_003.D

Lab ID: LCS 200-208689/3 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	49.4	49.4	100	61-142	
Chlorodifluoromethane	35.4	38.0	108	60-147	
1,2-Dichlorotetrafluoroethane	69.9	70.9	101	71-141	
Chloromethane	20.6	23.7	115	56-141	
n-Butane	23.8	19.5	82	53-151	
Vinyl chloride	25.6	20.5	80	61-135	
1,3-Butadiene	22.1	16.2	73	58-139	
Bromomethane	38.8	38.0	98	72-124	
Chloroethane	26.4	28.4	108	68-130	
Bromoethene(Vinyl Bromide)	43.7	40.7	93	75-125	
Trichlorofluoromethane	56.2	48.6	87	70-129	
1,1,2-Trichlorotrifluoroethane	76.6	68.1	89	70-121	
1,1-Dichloroethene	39.6	35.4	89	68-120	
Acetone	23.7	22.8	96	54-154	
Isopropyl alcohol	24.6	25.8	105	53-142	
Carbon disulfide	31.1	29.2	94	71-138	
3-Chloropropene	31.3	26.3	84	50-150	
Methylene Chloride	34.7	30.1	87	59-137	
tert-Butyl alcohol	30.3	27.8	92	66-132	
Methyl tert-butyl ether	36.0	31.7	88	70-127	
trans-1,2-Dichloroethene	39.6	33.1	83	69-137	
n-Hexane	35.2	29.9	85	63-138	
1,1-Dichloroethane	40.5	33.9	84	66-130	
Methyl Ethyl Ketone (2-Butanone)	29.5	26.5	90	72-124	
cis-1,2-Dichloroethene	39.6	34.0	86	72-121	
Chloroform	48.8	41.1	84	73-124	
Tetrahydrofuran	29.5	26.0	88	60-149	
1,1,1-Trichloroethane	54.6	45.3	83	72-127	
Cyclohexane	34.4	30.6	89	76-124	
Carbon tetrachloride	62.9	51.6	82	71-133	
2,2,4-Trimethylpentane	46.7	40.5	87	68-131	
Benzene	31.9	28.4	89	73-119	
1,2-Dichloroethane	40.5	33.0	82	68-135	
n-Heptane	41.0	33.9	83	60-142	
Trichloroethene	53.7	45.8	85	73-122	
Methyl methacrylate	40.9	37.5	92	73-129	
1,2-Dichloropropane	46.2	40.7	88	69-128	
1,4-Dioxane	36.0	33.4	93	66-129	
Bromodichloromethane	67.0	57.5	86	75-127	
cis-1,3-Dichloropropene	45.4	40.0	88	74-125	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 62087_003.D

Lab ID: LCS 200-208689/3 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	34.8	85	58-144	
Toluene	37.7	34.8	92	75-122	
trans-1,3-Dichloropropene	45.4	40.2	89	74-128	
1,1,2-Trichloroethane	54.6	51.1	94	75-126	
Tetrachloroethene	67.8	60.9	90	70-125	
Methyl Butyl Ketone (2-Hexanone)	41.0	36.6	89	57-143	
Dibromochloromethane	85.2	78.1	92	73-125	
1,2-Dibromoethane	76.8	71.8	93	78-122	
Chlorobenzene	46.0	42.4	92	76-119	
Ethylbenzene	43.4	39.9	92	74-122	
m,p-Xylene	86.8	80.5	93	76-121	
o-Xylene	43.4	40.0	92	73-123	
Styrene	42.6	40.0	94	74-125	
Bromoform	103	96.7	94	53-149	
Cumene	49.1	45.8	93	73-123	
1,1,2,2-Tetrachloroethane	68.6	66.6	97	74-126	
n-Propylbenzene	49.1	47.2	96	73-127	
4-Ethyltoluene	49.2	46.9	96	75-129	
1,3,5-Trimethylbenzene	49.2	46.2	94	72-126	
2-Chlorotoluene	51.8	47.8	92	74-126	
tert-Butylbenzene	54.9	51.0	93	71-125	
1,2,4-Trimethylbenzene	49.2	46.2	94	71-129	
sec-Butylbenzene	54.9	52.5	96	70-128	
4-Isopropyltoluene	54.9	52.5	96	68-130	
1,3-Dichlorobenzene	60.1	57.3	95	69-131	
1,4-Dichlorobenzene	60.1	57.5	96	67-132	
Benzyl chloride	51.8	54.0	104	60-136	
n-Butylbenzene	54.9	52.9	96	65-137	
1,2-Dichlorobenzene	60.1	57.4	95	68-129	
1,2,4-Trichlorobenzene	74.2	68.6	92	50-150	
Hexachlorobutadiene	107	91.3	86	58-130	
Naphthalene	52.4	63.5	121	50-150	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 62088-03.d

Lab ID: LCS 200-208690/3 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	49.4	50.1	101	61-142	
Chlorodifluoromethane	35.4	39.8	112	60-147	
1,2-Dichlorotetrafluoroethane	69.9	72.3	104	71-141	
Chloromethane	20.6	24.3	118	56-141	
n-Butane	23.8	31.1	131	53-151	
Vinyl chloride	25.6	30.4	119	61-135	
1,3-Butadiene	22.1	25.7	116	58-139	
Bromomethane	38.8	38.6	100	72-124	
Chloroethane	26.4	29.1	110	68-130	
Bromoethene(Vinyl Bromide)	43.7	42.2	97	75-125	
Trichlorofluoromethane	56.2	53.4	95	70-129	
1,1,2-Trichlorotrifluoroethane	76.6	75.5	98	70-121	
1,1-Dichloroethene	39.6	37.9	95	68-120	
Acetone	23.7	26.8	113	54-154	
Isopropyl alcohol	24.6	30.6	125	53-142	
Carbon disulfide	31.1	34.2	110	71-138	
3-Chloropropene	31.3	31.7	101	50-150	
Methylene Chloride	34.7	38.6	111	59-137	
tert-Butyl alcohol	30.3	31.2	103	66-132	
Methyl tert-butyl ether	36.0	36.1	100	70-127	
trans-1,2-Dichloroethene	39.6	42.8	108	69-137	
n-Hexane	35.2	37.9	107	63-138	
1,1-Dichloroethane	40.5	42.7	105	66-130	
Methyl Ethyl Ketone (2-Butanone)	29.5	31.4	107	72-124	
cis-1,2-Dichloroethene	39.6	38.6	97	72-121	
Chloroform	48.8	49.1	101	73-124	
Tetrahydrofuran	29.5	32.8	111	60-149	
1,1,1-Trichloroethane	54.6	52.2	96	72-127	
Cyclohexane	34.4	34.8	101	76-124	
Carbon tetrachloride	62.9	60.8	97	71-133	
2,2,4-Trimethylpentane	46.7	51.3	110	68-131	
Benzene	31.9	32.9	103	73-119	
1,2-Dichloroethane	40.5	41.4	102	68-135	
n-Heptane	41.0	45.3	111	60-142	
Trichloroethene	53.7	52.5	98	73-122	
Methyl methacrylate	40.9	44.7	109	73-129	
1,2-Dichloropropane	46.2	51.7	112	69-128	
1,4-Dioxane	36.0	35.8	99	66-129	
Bromodichloromethane	67.0	69.0	103	75-127	
cis-1,3-Dichloropropene	45.4	47.4	104	74-125	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 62088-03.d

Lab ID: LCS 200-208690/3 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	46.4	113	58-144	
Toluene	37.7	38.4	102	75-122	
trans-1,3-Dichloropropene	45.4	48.6	107	74-128	
1,1,2-Trichloroethane	54.6	58.0	106	75-126	
Tetrachloroethene	67.8	61.2	90	70-125	
Methyl Butyl Ketone (2-Hexanone)	41.0	45.9	112	57-143	
Dibromochloromethane	85.2	86.8	102	73-125	
1,2-Dibromoethane	76.8	77.6	101	78-122	
Chlorobenzene	46.0	45.8	100	76-119	
Ethylbenzene	43.4	44.6	103	74-122	
m,p-Xylene	86.8	89.0	103	76-121	
o-Xylene	43.4	43.7	101	73-123	
Styrene	42.6	44.2	104	74-125	
Bromoform	103	106	103	53-149	
Cumene	49.1	49.8	101	73-123	
1,1,2,2-Tetrachloroethane	68.6	75.4	110	74-126	
n-Propylbenzene	49.1	51.8	105	73-127	
4-Ethyltoluene	49.2	51.4	105	75-129	
1,3,5-Trimethylbenzene	49.2	50.5	103	72-126	
2-Chlorotoluene	51.8	53.3	103	74-126	
tert-Butylbenzene	54.9	55.4	101	71-125	
1,2,4-Trimethylbenzene	49.2	50.9	104	71-129	
sec-Butylbenzene	54.9	57.2	104	70-128	
4-Isopropyltoluene	54.9	56.1	102	68-130	
1,3-Dichlorobenzene	60.1	60.1	100	69-131	
1,4-Dichlorobenzene	60.1	60.0	100	67-132	
Benzyl chloride	51.8	56.5	109	60-136	
n-Butylbenzene	54.9	58.5	107	65-137	
1,2-Dichlorobenzene	60.1	59.6	99	68-129	
1,2,4-Trichlorobenzene	74.2	75.1	101	50-150	
Hexachlorobutadiene	107	94.9	89	58-130	
Naphthalene	52.4	58.7	112	50-150	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab File ID: 62087_005.D Lab Sample ID: MB 200-208689/5

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

Instrument ID: CHAM.i Date Analyzed: 09/17/2024 10:37

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-208689/3	62087_003.D	09/17/2024 08:54
RXSV-8	200-75119-1	62087_016.D	09/17/2024 20:19
RXSV-8 DL	200-75119-1 DL	62087_017.D	09/17/2024 21:10
RXSV-2	200-75119-2	62087_018.D	09/17/2024 22:02
RXSV-9	200-75119-3	62087_020.D	09/17/2024 23:45
RXSV-9 DL	200-75119-3 DL	62087_021.D	09/18/2024 00:36
RXSV-6	200-75119-4	62087_022.D	09/18/2024 01:28
RXSV-4	200-75119-5	62087_023.D	09/18/2024 02:19
RXSV-7	200-75119-6	62087_024.D	09/18/2024 03:11
RXSV-3	200-75119-7	62087_025.D	09/18/2024 04:02
RXSV-5	200-75119-8	62087_026.D	09/18/2024 04:54

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab File ID: 62088-05.d Lab Sample ID: MB 200-208690/5

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

Instrument ID: CHW.i Date Analyzed: 09/17/2024 11:03

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-208690/3	62088-03.d	09/17/2024 09:13
RXSV-1	200-75119-9	62088-15.d	09/17/2024 20:19
DUP_09132024	200-75119-10	62088-16.d	09/17/2024 21:14

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

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab File ID: 60827_001.D BFB Injection Date: 06/18/2024

Instrument ID: CHAM.i BFB Injection Time: 12:34

Analysis Batch No.: 205411

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.2	
75	30.0 - 66.0% of mass 95	46.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	76.9	
175	4.0 - 9.0 % of mass 174	6.0	(7.8) 1
176	93.0 - 101.0% of mass 174	74.4	(96.8) 1
177	5.0 - 9.0% of mass 176	5.0	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-205411/4	60827_004.D	06/18/2024	15:07
	IC 200-205411/5	60827_005.D	06/18/2024	15:59
	IC 200-205411/6	60827_006.D	06/18/2024	16:51
	IC 200-205411/7	60827_007.D	06/18/2024	17:43
	ICIS 200-205411/8	60827_008.D	06/18/2024	18:35
	IC 200-205411/9	60827_009.D	06/18/2024	19:27
	IC 200-205411/12	60827_012.D	06/18/2024	22:04
	IC 200-205411/13	60827_013.D	06/18/2024	22:56
	ICV 200-205411/16	60827_016.D	06/19/2024	1:33

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

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab File ID: 62087_001.D BFB Injection Date: 09/17/2024

Instrument ID: CHAM.i BFB Injection Time: 07:15

Analysis Batch No.: 208689

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.8	
75	30.0 - 66.0% of mass 95	46.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	80.6	
175	4.0 - 9.0 % of mass 174	6.2	(7.7) 1
176	93.0 - 101.0% of mass 174	78.5	(97.5) 1
177	5.0 - 9.0% of mass 176	5.2	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-208689/2	62087_002.D	09/17/2024	8:03
	LCS 200-208689/3	62087_003.D	09/17/2024	8:54
	MB 200-208689/5	62087_005.D	09/17/2024	10:37
RXSV-8	200-75119-1	62087_016.D	09/17/2024	20:19
RXSV-8 DL	200-75119-1 DL	62087_017.D	09/17/2024	21:10
RXSV-2	200-75119-2	62087_018.D	09/17/2024	22:02
RXSV-9	200-75119-3	62087_020.D	09/17/2024	23:45
RXSV-9 DL	200-75119-3 DL	62087_021.D	09/18/2024	0:36
RXSV-6	200-75119-4	62087_022.D	09/18/2024	1:28
RXSV-4	200-75119-5	62087_023.D	09/18/2024	2:19
RXSV-7	200-75119-6	62087_024.D	09/18/2024	3:11
RXSV-3	200-75119-7	62087_025.D	09/18/2024	4:02
RXSV-5	200-75119-8	62087_026.D	09/18/2024	4:54

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

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab File ID: 61759-01.d BFB Injection Date: 08/22/2024

Instrument ID: CHW.i BFB Injection Time: 14:45

Analysis Batch No.: 207901

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.5	
75	30.0 - 66.0% of mass 95	47.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.7	(0.8) 1
174	50.0 - 120.0% of mass 95	99.0	
175	4.0 - 9.0 % of mass 174	7.2	(7.3) 1
176	93.0 - 101.0% of mass 174	96.6	(97.6) 1
177	5.0 - 9.0% of mass 176	6.4	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-207901/4	61759-04.d	08/22/2024	17:26
	IC 200-207901/5	61759-05.d	08/22/2024	18:20
	IC 200-207901/7	61759-07.d	08/22/2024	20:10
	IC 200-207901/9	61759-09.d	08/22/2024	21:58
	ICIS 200-207901/10	61759-10.d	08/22/2024	22:52
	IC 200-207901/11	61759-11.d	08/22/2024	23:46
	IC 200-207901/14	61759-14.d	08/23/2024	2:30
	IC 200-207901/15	61759-15.d	08/23/2024	3:28
	ICV 200-207901/18	61759-18.d	08/23/2024	6:12

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

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab File ID: 62088-01.d BFB Injection Date: 09/17/2024

Instrument ID: CHW.i BFB Injection Time: 07:22

Analysis Batch No.: 208690

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.7	
75	30.0 - 66.0% of mass 95	48.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.7	(0.8) 1
174	50.0 - 120.0% of mass 95	94.6	
175	4.0 - 9.0 % of mass 174	7.0	(7.4) 1
176	93.0 - 101.0% of mass 174	92.2	(97.5) 1
177	5.0 - 9.0% of mass 176	6.1	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-208690/2	62088-02.d	09/17/2024	8:18
	LCS 200-208690/3	62088-03.d	09/17/2024	9:13
	MB 200-208690/5	62088-05.d	09/17/2024	11:03
RXSV-1	200-75119-9	62088-15.d	09/17/2024	20:19
DUP_09132024	200-75119-10	62088-16.d	09/17/2024	21:14

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

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Sample No.: ICIS 200-205411/8 Date Analyzed: 06/18/2024 18:35

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 60827_008.D Heated Purge: (Y/N) N

Calibration ID: 52840

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		370316	11.70	1798262	13.56	1633171	19.05
UPPER LIMIT		518442	12.03	2517567	13.89	2286439	19.38
LOWER LIMIT		222190	11.37	1078957	13.23	979903	18.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-205411/16		381323	11.70	1845300	13.55	1658898	19.05

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Sample No.: CCVIS 200-208689/2 Date Analyzed: 09/17/2024 08:03

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 62087_002.D Heated Purge: (Y/N) N

Calibration ID: 52840

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		331659	11.69	1588614	13.55	1392805	19.04
UPPER LIMIT		464323	12.02	2224060	13.88	1949927	19.37
LOWER LIMIT		198995	11.36	953168	13.22	835683	18.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-208689/3		331754	11.69	1592636	13.55	1390300	19.04
MB 200-208689/5		323081	11.70	1556881	13.55	1362598	19.04
200-75119-1	RXSV-8	288275	11.70	1397343	13.55	1296031	19.05
200-75119-1 DL	RXSV-8 DL	299446	11.70	1441810	13.55	1318779	19.05
200-75119-2	RXSV-2	301464	11.70	1453731	13.55	1325202	19.05
200-75119-3	RXSV-9	302170	11.70	1466316	13.55	1330832	19.05
200-75119-3 DL	RXSV-9 DL	310110	11.70	1492929	13.55	1347198	19.05
200-75119-4	RXSV-6	314369	11.70	1498176	13.55	1346264	19.04
200-75119-5	RXSV-4	310978	11.70	1491913	13.55	1336935	19.05
200-75119-6	RXSV-7	310200	11.70	1491098	13.55	1303641	19.05
200-75119-7	RXSV-3	311946	11.70	1499105	13.55	1319494	19.05
200-75119-8	RXSV-5	310532	11.70	1474159	13.55	1309573	19.05

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Sample No.: ICIS 200-207901/10 Date Analyzed: 08/22/2024 22:52

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 61759-10.d Heated Purge: (Y/N) N

Calibration ID: 53375

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		186435	12.18	972080	14.19	865150	19.91
UPPER LIMIT		261009	12.51	1360912	14.52	1211210	20.24
LOWER LIMIT		111861	11.85	583248	13.86	519090	19.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-207901/18		186531	12.18	967139	14.19	867788	19.91

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Sample No.: CCVIS 200-208690/2 Date Analyzed: 09/17/2024 08:18

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 62088-02.d Heated Purge: (Y/N) N

Calibration ID: 53375

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		60147	12.17	310844	14.19	275216	19.91
UPPER LIMIT		84206	12.50	435182	14.52	385302	20.24
LOWER LIMIT		36088	11.84	186506	13.86	165130	19.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-208690/3		62245	12.17	324065	14.19	285740	19.91
MB 200-208690/5		62754	12.15	322465	14.17	265773	19.91
200-75119-9	RXSV-1	68486	12.18	362814	14.19	314676	19.91
200-75119-10	DUP_09132024	65638	12.17	341895	14.19	295266	19.91

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-8 Lab Sample ID: 200-75119-1

Matrix: Air Lab File ID: 62087_016.D

Analysis Method: TO-15 Date Collected: 09/13/2024 13:47

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.9	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.86	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	0.34	J	1.0	0.31
106-97-8	n-Butane	58.12	1.5		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-63-0	Isopropyl alcohol	60.10	4.6	J	12	3.9
75-15-0	Carbon disulfide	76.14	3.1		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	29		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.85	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	12		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.94	J	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	0.61	J	1.1	0.24
110-82-7	Cyclohexane	84.16	0.28	J	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.14	J	0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.2		0.93	0.18

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-8 Lab Sample ID: 200-75119-1

Matrix: Air Lab File ID: 62087_016.D

Analysis Method: TO-15 Date Collected: 09/13/2024 13:47

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.84		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	3.3		0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	9.8		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	4.3		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.2	J	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	4.1		0.87	0.30
179601-23-1	m,p-Xylene	106.17	17		2.2	0.41
95-47-6	o-Xylene	106.17	19		0.87	0.27
100-42-5	Styrene	104.15	2.2		0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	13		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	68		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	130		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	150		0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-8 Lab Sample ID: 200-75119-1

Matrix: Air Lab File ID: 62087_016.D

Analysis Method: TO-15 Date Collected: 09/13/2024 13:47

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	2.1		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	2.0		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	3.1		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	4.2		2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-8 Lab Sample ID: 200-75119-1

Matrix: Air Lab File ID: 62087_016.D

Analysis Method: TO-15 Date Collected: 09/13/2024 13:47

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.38	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.24	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.16	J	0.50	0.15
106-97-8	n-Butane	58.12	0.64		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.25		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-63-0	Isopropyl alcohol	60.10	1.9	J	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.98		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	9.5		5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.24	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	4.2		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.19	J	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.11	J	0.20	0.044
110-82-7	Cyclohexane	84.16	0.081	J	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.022	J	0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.26		0.20	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-8 Lab Sample ID: 200-75119-1

Matrix: Air Lab File ID: 62087_016.D

Analysis Method: TO-15 Date Collected: 09/13/2024 13:47

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.26		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.80		0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	2.6		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.64		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.29	J	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.93		0.20	0.069
179601-23-1	m,p-Xylene	106.17	3.9		0.50	0.095
95-47-6	o-Xylene	106.17	4.4		0.20	0.063
100-42-5	Styrene	104.15	0.52		0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	2.6		0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	14		0.20	0.047
622-96-8	4-Ethyltoluene	120.20	26		0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	30		0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-8 Lab Sample ID: 200-75119-1

Matrix: Air Lab File ID: 62087_016.D

Analysis Method: TO-15 Date Collected: 09/13/2024 13:47

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
135-98-8	sec-Butylbenzene	134.22	0.38		0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.37		0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.57		0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.79		0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D
Lims ID: 200-75119-A-1
Client ID: RXSV-8
Sample Type: Client
Inject. Date: 17-Sep-2024 20:19:02 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-016
Misc. Info.: 75119-1
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 09:36:43 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 09:36:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.407	4.419	-0.010	99	47003	0.3794	
3 Chlorodifluoromethane	51	4.465	4.467	0.000	97	15987	0.2426	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.792				ND	MU
5 Chloromethane	50	4.909	4.917	-0.006	98	5917	0.1645	
7 Butane	43	5.214	5.217	0.000	90	37411	0.6369	
6 Vinyl chloride	62		5.220				ND	
8 Butadiene	54		5.337				ND	MU
9 Bromomethane	94		6.086				ND	
10 Chloroethane	64		6.359				ND	7
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.948	6.942	-0.005	99	32817	0.2476	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.077	8.075	0.006	84	5645	0.0508	
22 Acetone	43	8.119	8.128	-0.006	96	6036968	89.0	E
23 Isopropyl alcohol	45	8.435	8.439	0.000	99	146049	1.87	
24 Carbon disulfide	76	8.435	8.444	-0.005	100	142436	0.9834	
26 3-Chloro-1-propene	41		8.745				ND	
27 Methylene Chloride	49		8.986				ND	7
28 2-Methyl-2-propanol	59	9.216	9.220	0.000	100	852655	9.55	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73		9.483				ND	
32 Hexane	57	9.992	9.996	0.000	92	18808	0.2405	
33 1,1-Dichloroethane	63		10.270				ND	
36 2-Butanone (MEK)	72	11.254	11.265	-0.006	99	106732	4.17	
37 cis-1,2-Dichloroethene	96		11.281				ND	
* 39 Chlorobromomethane	128	11.698	11.693	0.005	90	288275	10.0	
40 Tetrahydrofuran	42		11.730				ND	MU
41 Chloroform	83	11.875	11.880	0.000	96	21382	0.1919	
42 1,1,1-Trichloroethane	97	12.180	12.174	0.006	98	12304	0.1114	
43 Cyclohexane	84	12.298	12.298	-0.005	96	5539	0.0806	M
44 Carbon tetrachloride	117	12.453	12.447	0.006	92	2491	0.0219	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.806	12.806	0.000	94	42421	0.2628	
46 1,2-Dichloroethane	62		12.891				ND	
47 Isooctane	57	13.009	13.009	0.000	98	65827	0.2626	
48 n-Heptane	43	13.319	13.325	0.000	98	73176	0.8049	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	95	1397343	10.0	
51 Trichloroethene	95		13.977				ND	7
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	MU
55 1,4-Dioxane	88		14.576				ND	7
58 Dichlorobromomethane	83		14.919				ND	
59 cis-1,3-Dichloropropene	75		15.721				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.989				ND	7
62 Toluene	92	16.358	16.363	0.000	94	304200	2.60	
66 trans-1,3-Dichloropropene	75		16.781				ND	
67 1,1,2-Trichloroethane	83		17.160				ND	
68 Tetrachloroethene	166	17.342	17.347	0.000	96	62174	0.6381	
69 2-Hexanone	43	17.578	17.588	0.006	95	30978	0.2913	
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	MU
* 73 Chlorobenzene-d5	117	19.049	19.043	0.006	87	1296031	10.0	
74 Chlorobenzene	112		19.102				ND	7
75 Ethylbenzene	91	19.290	19.295	0.000	98	240432	0.9330	
76 m-Xylene & p-Xylene	106	19.541	19.557	-0.011	0	383503	3.94	
78 o-Xylene	106	20.322	20.328	0.000	99	415587	4.42	
79 Styrene	104	20.360	20.360	0.006	95	80198	0.5249	M
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105	20.991	20.997	0.000	98	732877	2.63	
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	MU
85 N-Propylbenzene	91	21.686	21.692	0.000	99	4602942	13.7	
86 2-Chlorotoluene	91		21.836				ND	MU
87 4-Ethyltoluene	105	21.884	21.884	0.005	99	7063561	26.3	
88 1,3,5-Trimethylbenzene	105	21.975	21.976	0.005	93	6773894	30.0	
91 tert-Butylbenzene	119	22.451	22.451	0.005	93	3138	0.0145	M
92 1,2,4-Trimethylbenzene	105	22.537	22.538	0.005	97	13247352	58.2	E
93 sec-Butylbenzene	105	22.767	22.767	0.000	97	123665	0.3781	M
94 1,3-Dichlorobenzene	146		22.943				ND	7
95 4-Isopropyltoluene	119	22.976	22.982	0.000	97	100813	0.3730	
96 1,4-Dichlorobenzene	146	23.083	23.089	0.000	90	3641	0.0233	
97 Benzyl chloride	91	23.238	23.238	0.000	65	5137	0.0261	M
98 n-Butylbenzene	91	23.543	23.543	0.000	98	148162	0.5651	M
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	7
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.587	26.589	0.006	99	169729	0.7918	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

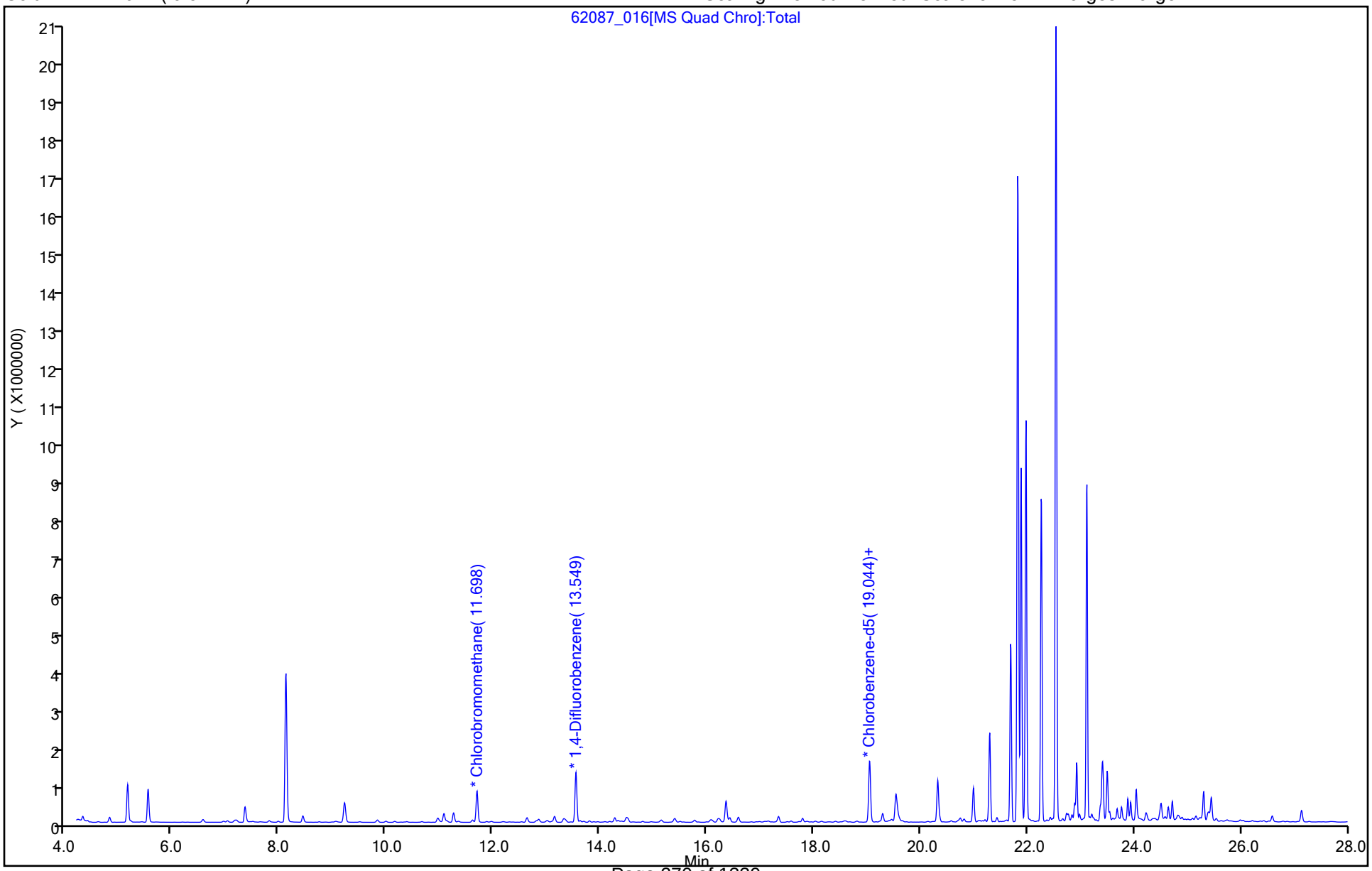
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1	Worklist Smp#:	16
Client ID:	RXSV-8				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



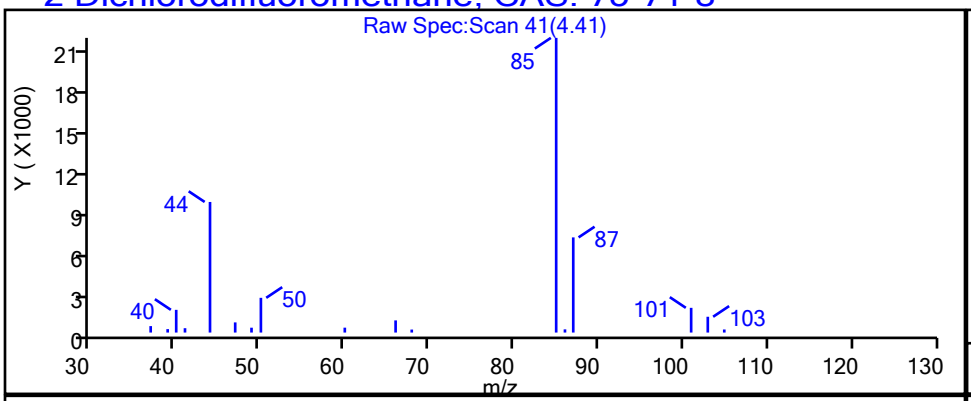
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

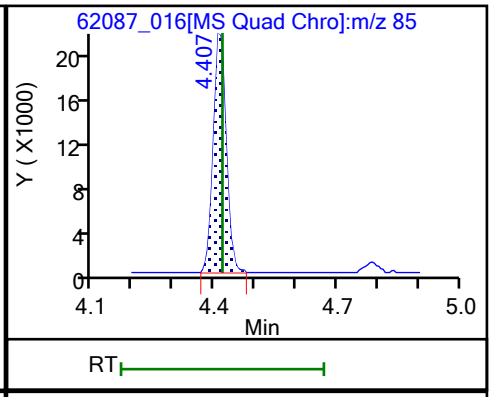
Eurofins Burlington

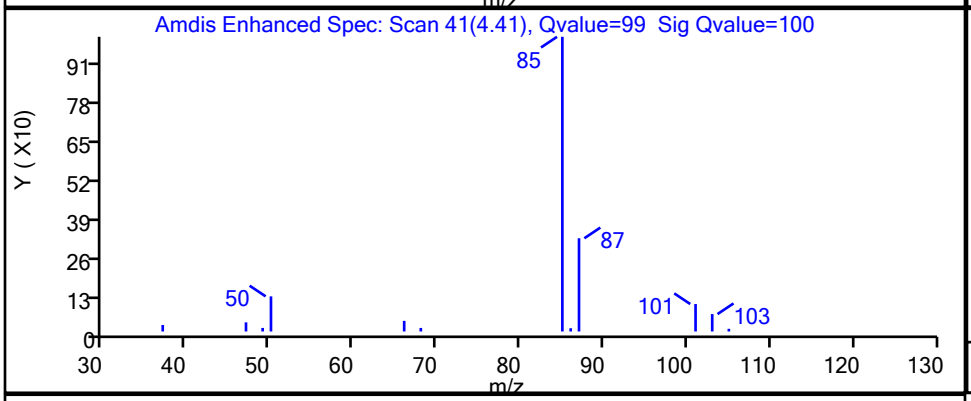
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

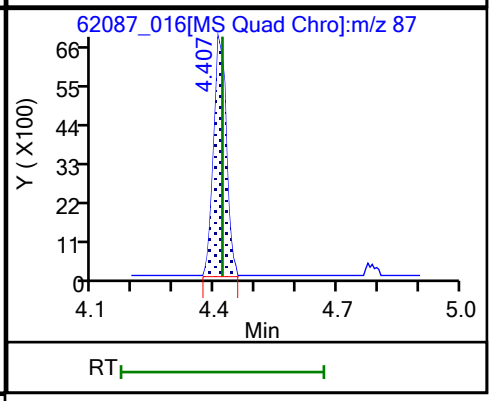
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

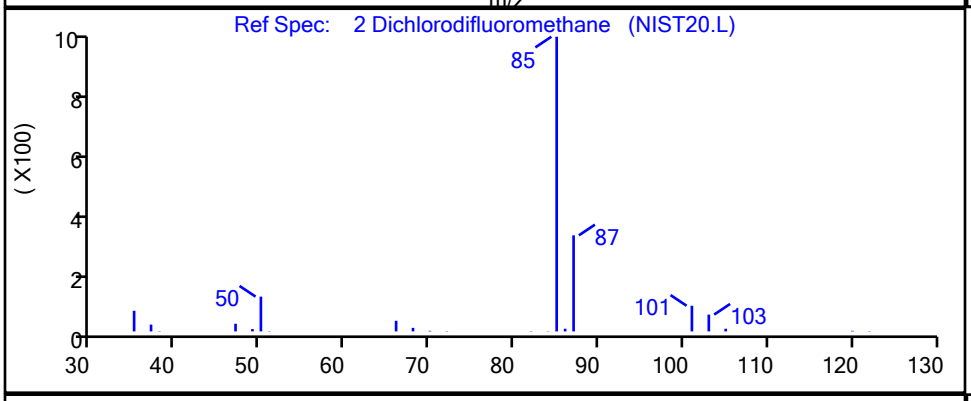
2 Dichlorodifluoromethane, CAS: 75-71-8

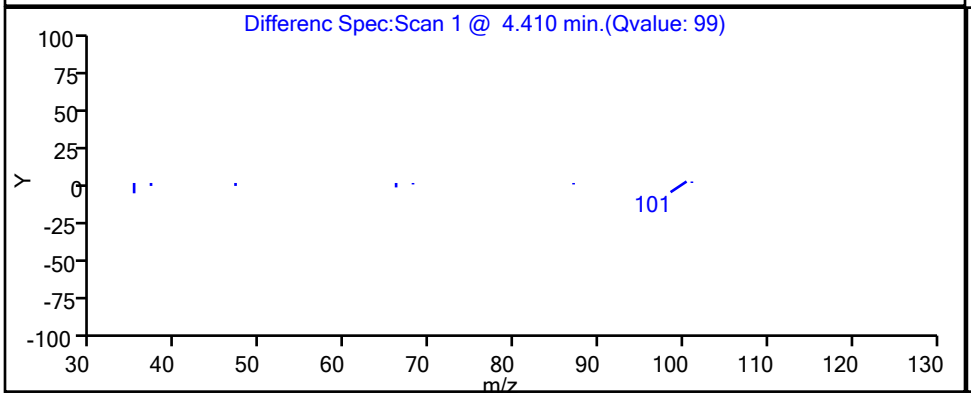


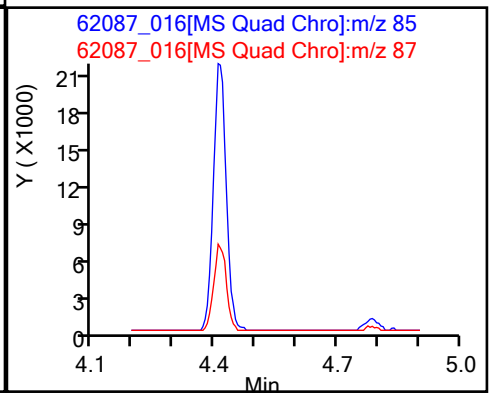












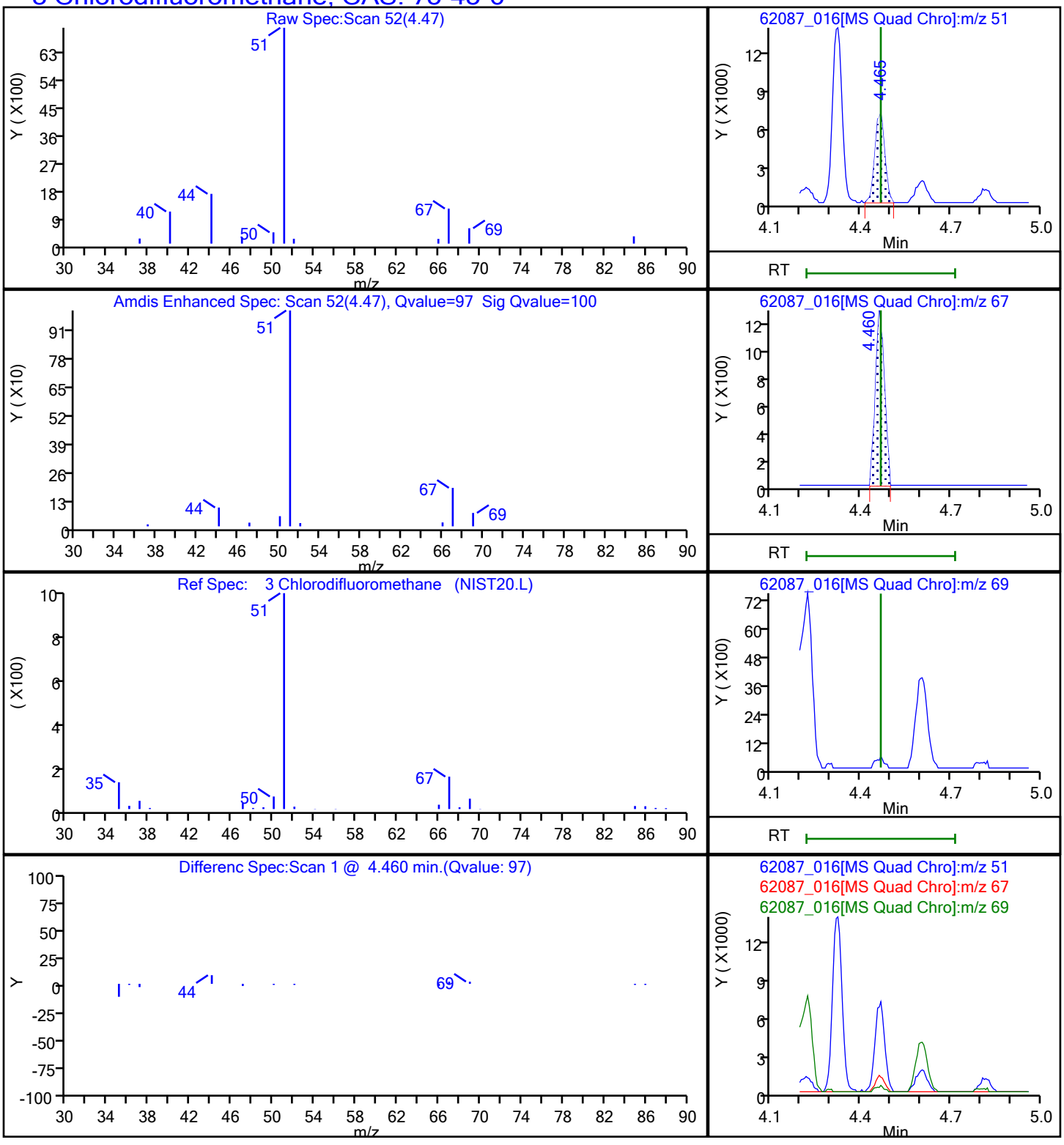
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



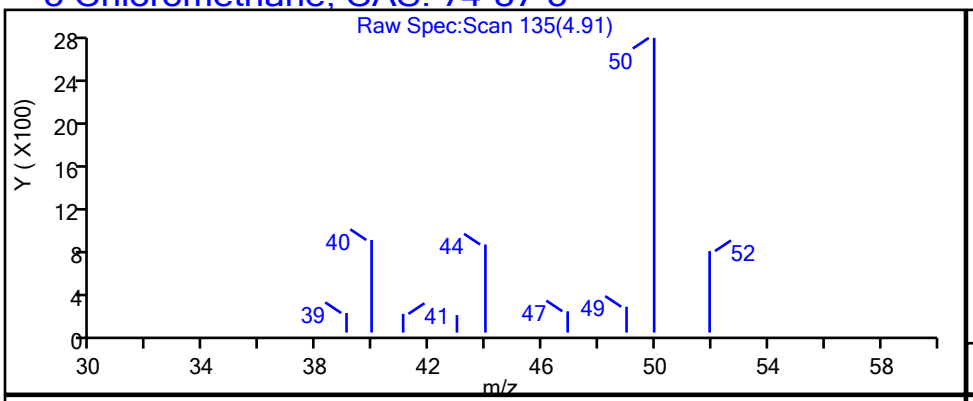
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

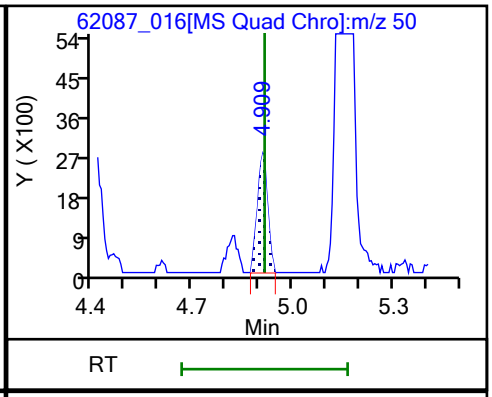
Eurofins Burlington

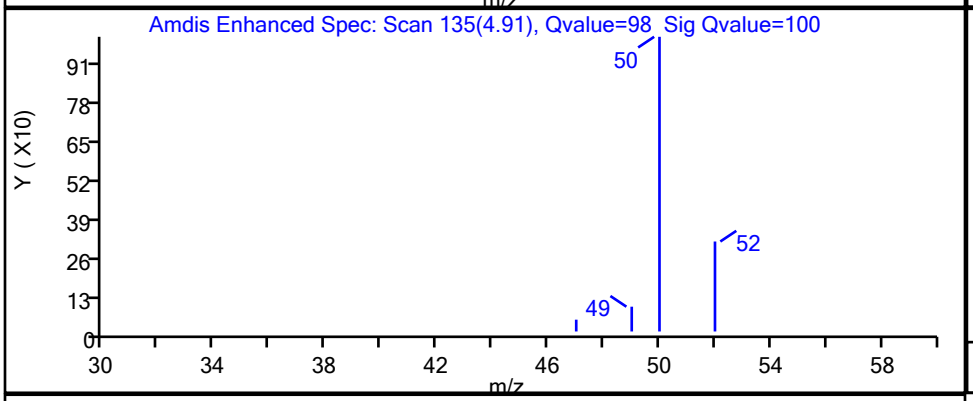
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

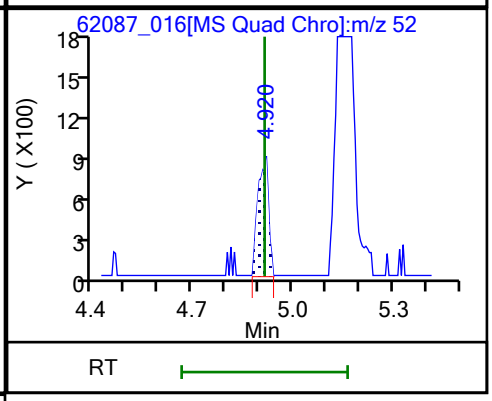
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

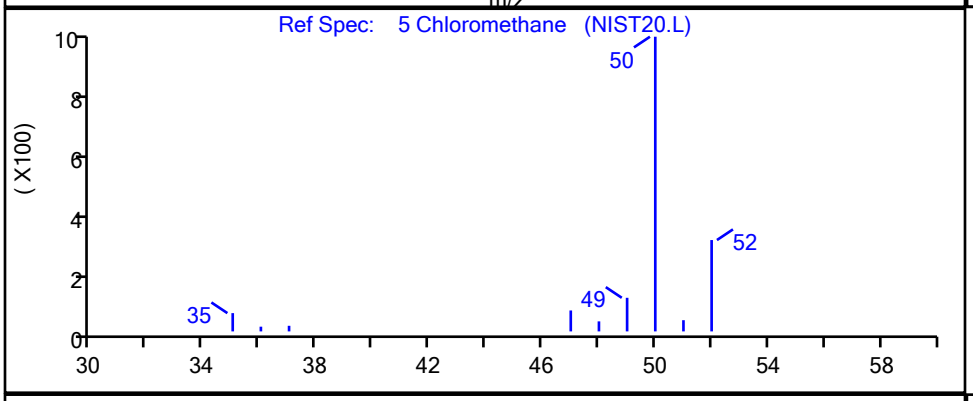
5 Chloromethane, CAS: 74-87-3

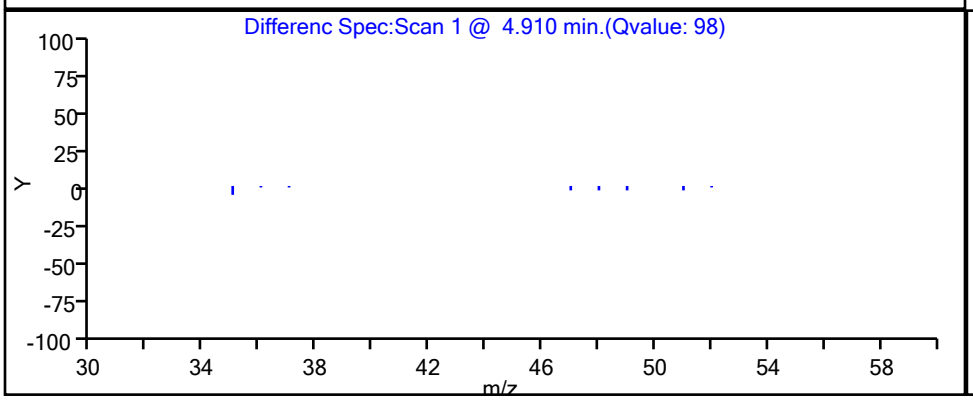


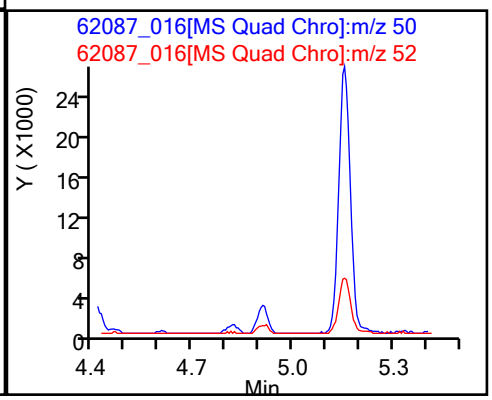












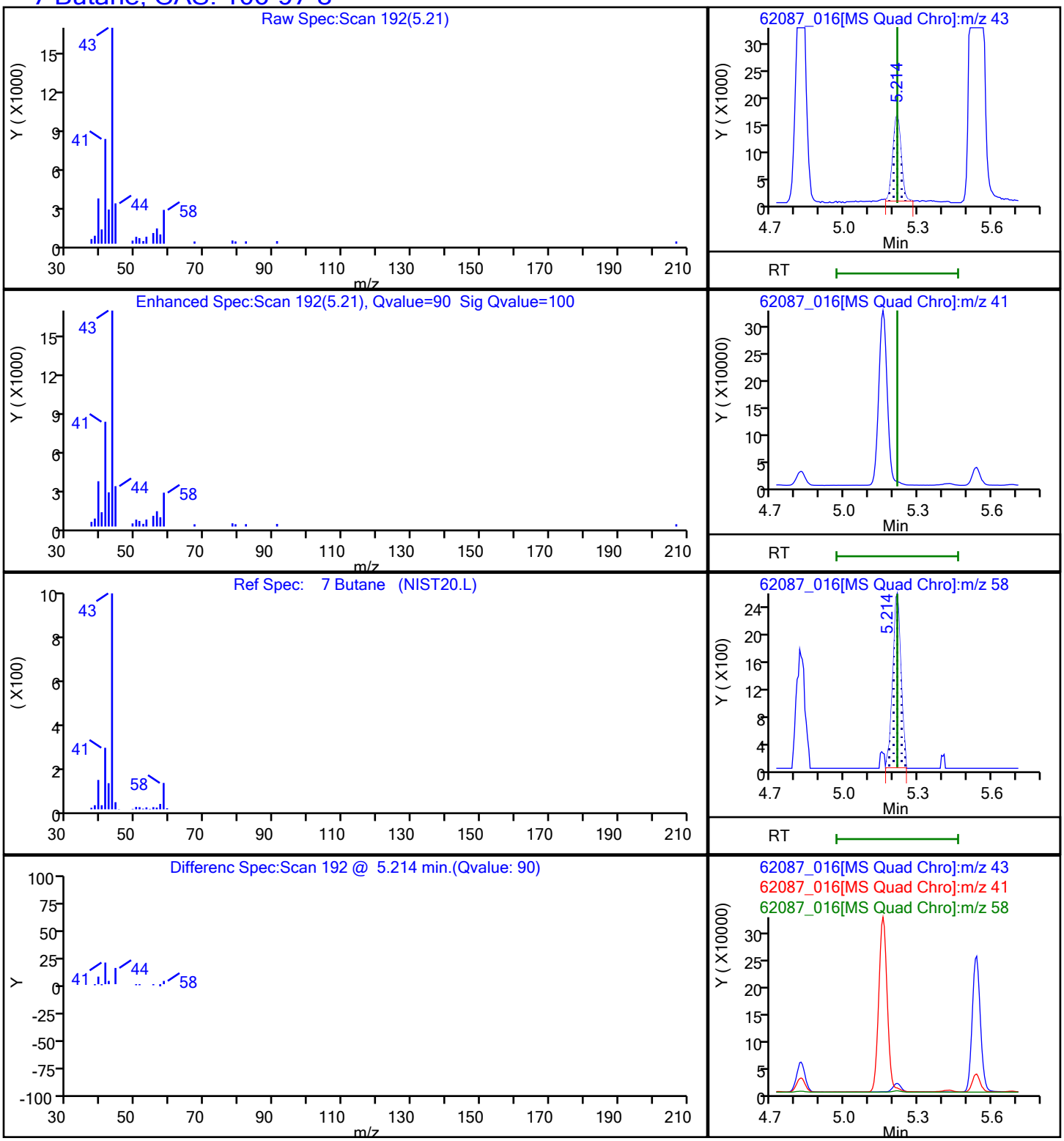
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8



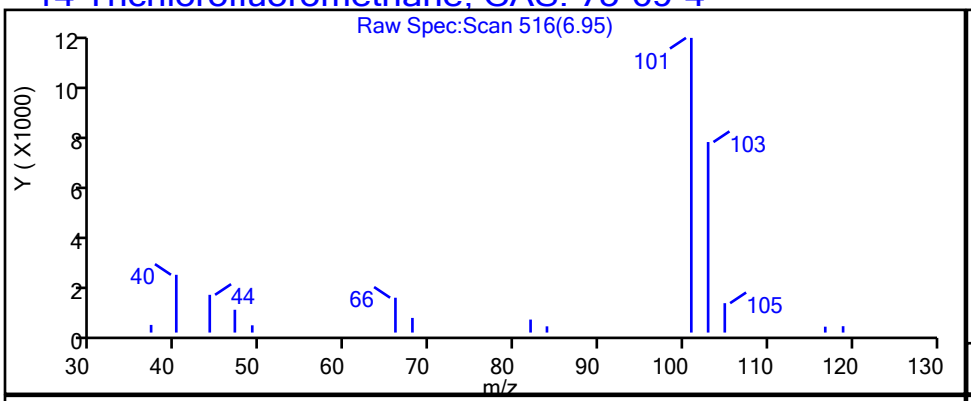
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

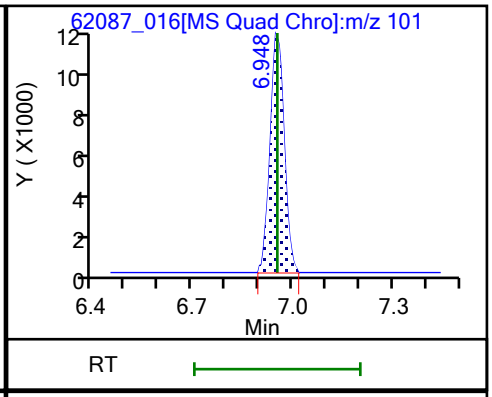
Eurofins Burlington

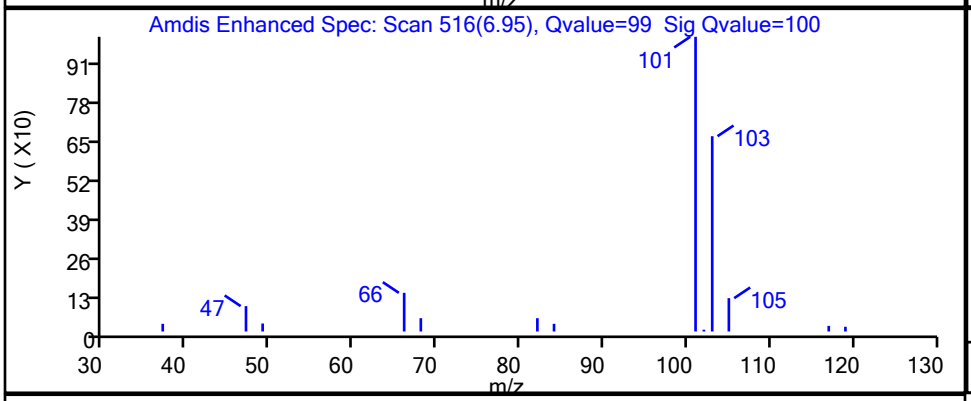
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

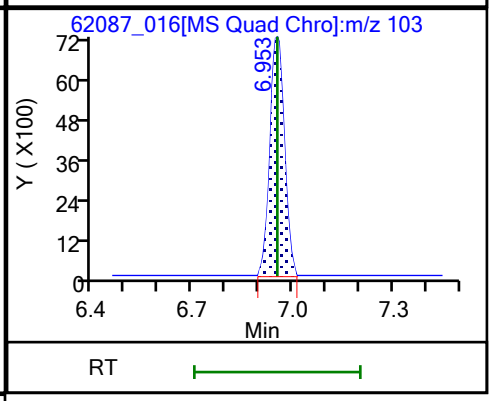
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

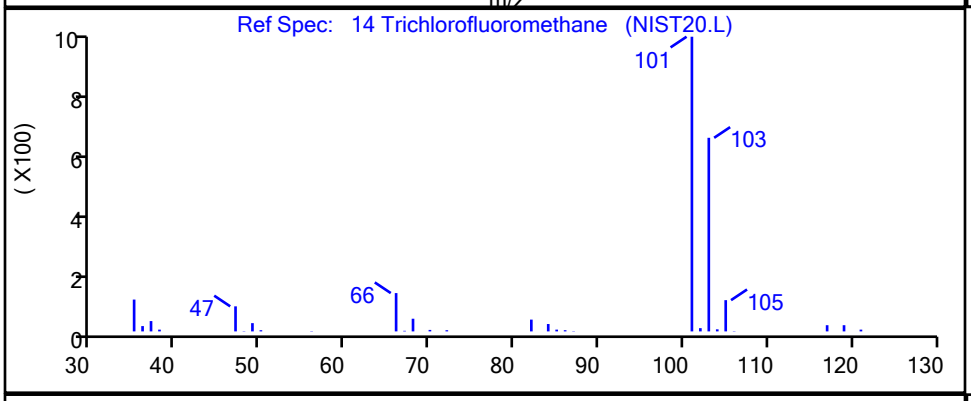
14 Trichlorofluoromethane, CAS: 75-69-4

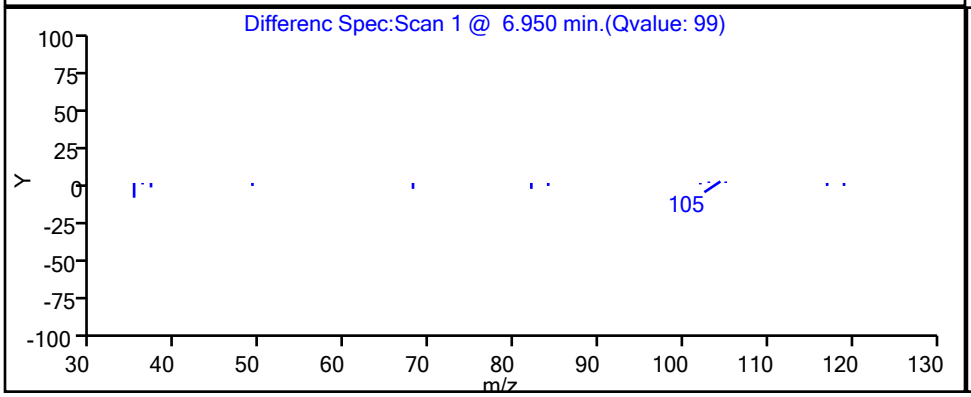


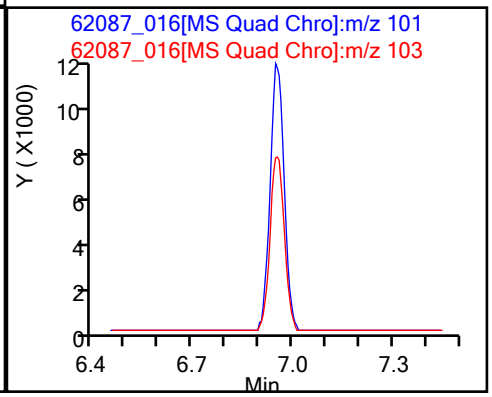












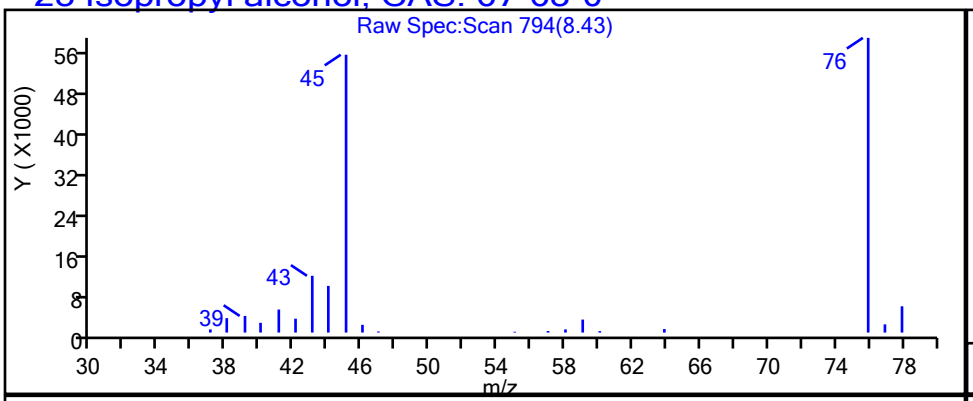
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

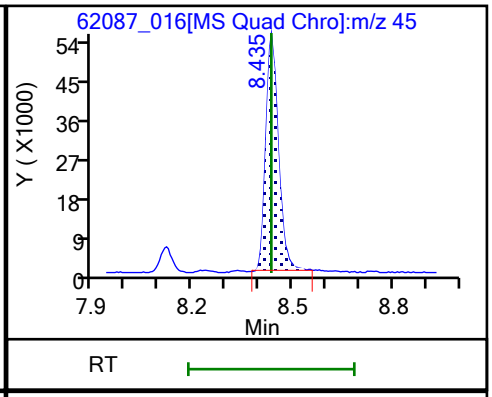
Eurofins Burlington

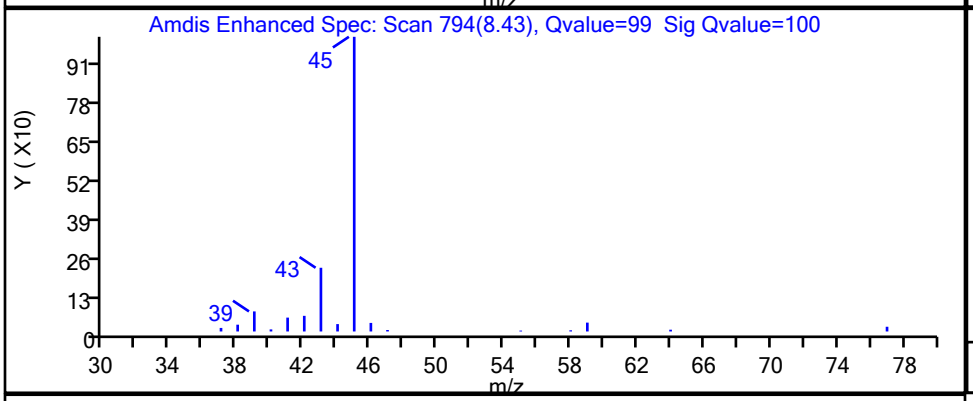
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

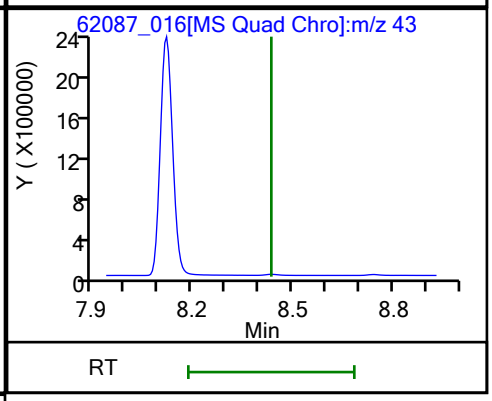
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

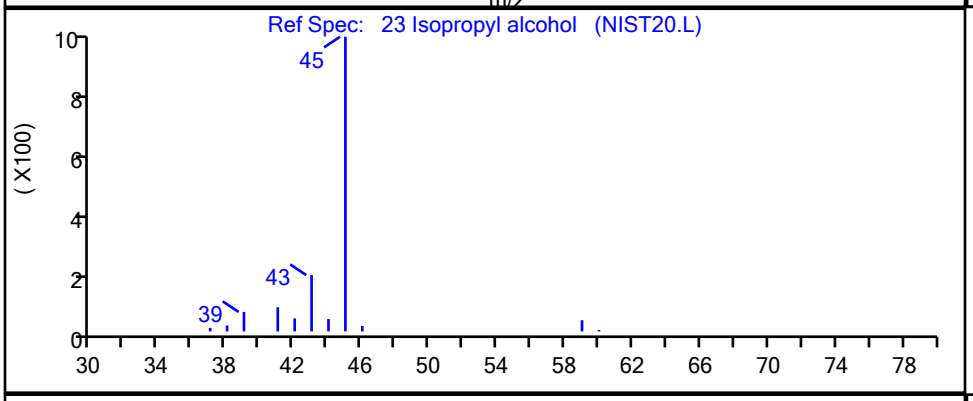
23 Isopropyl alcohol, CAS: 67-63-0

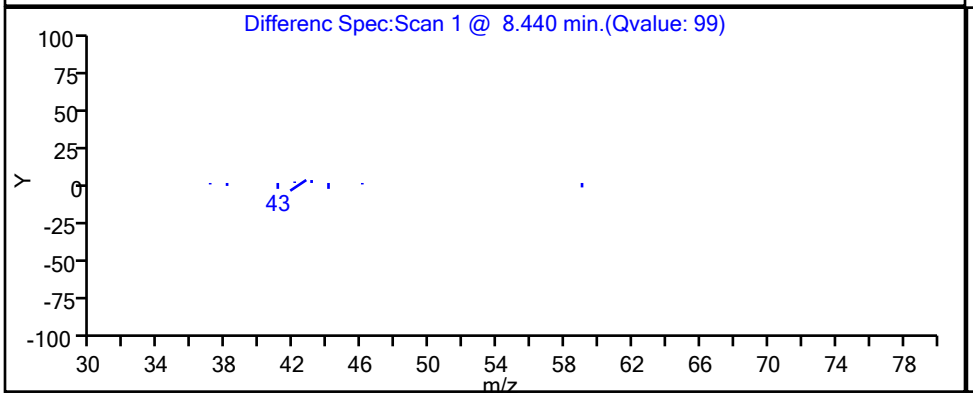


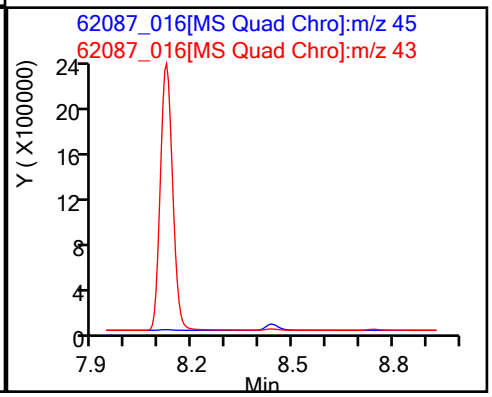










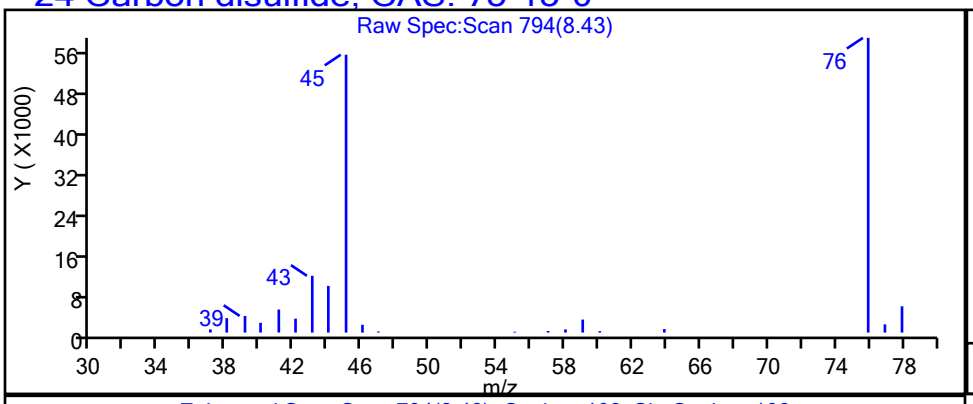


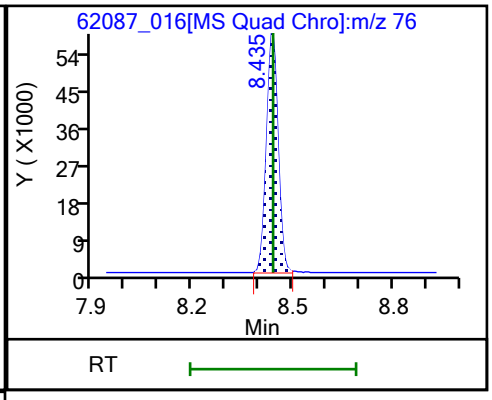
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

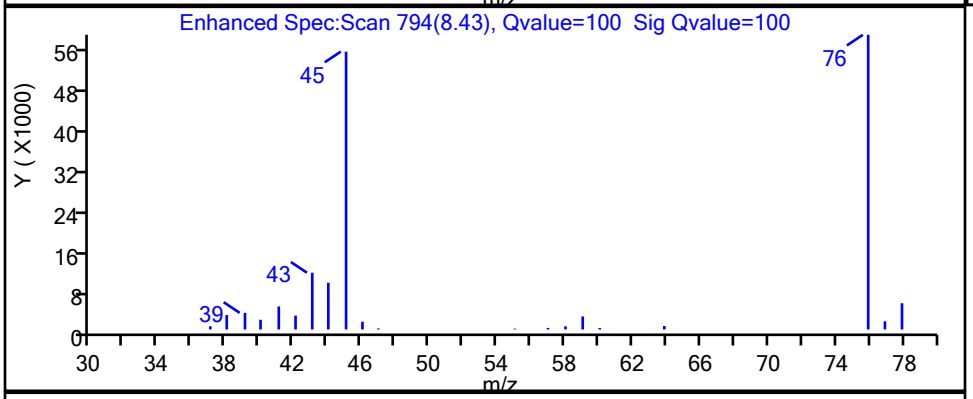
Eurofins Burlington

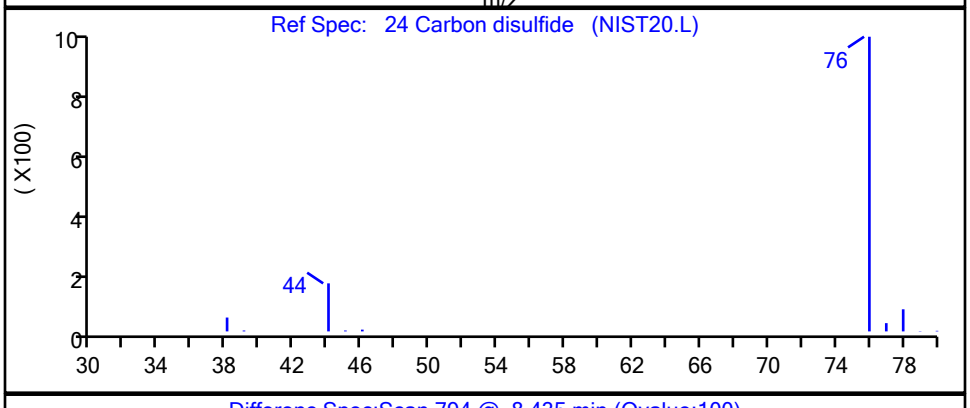
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

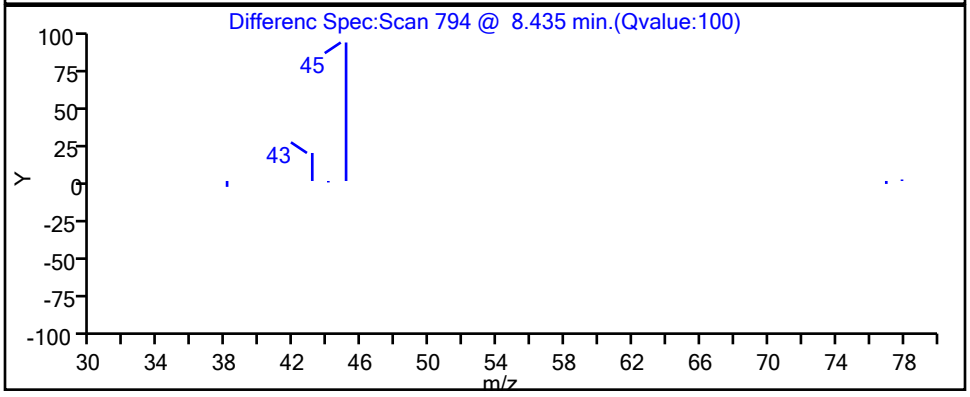
24 Carbon disulfide, CAS: 75-15-0











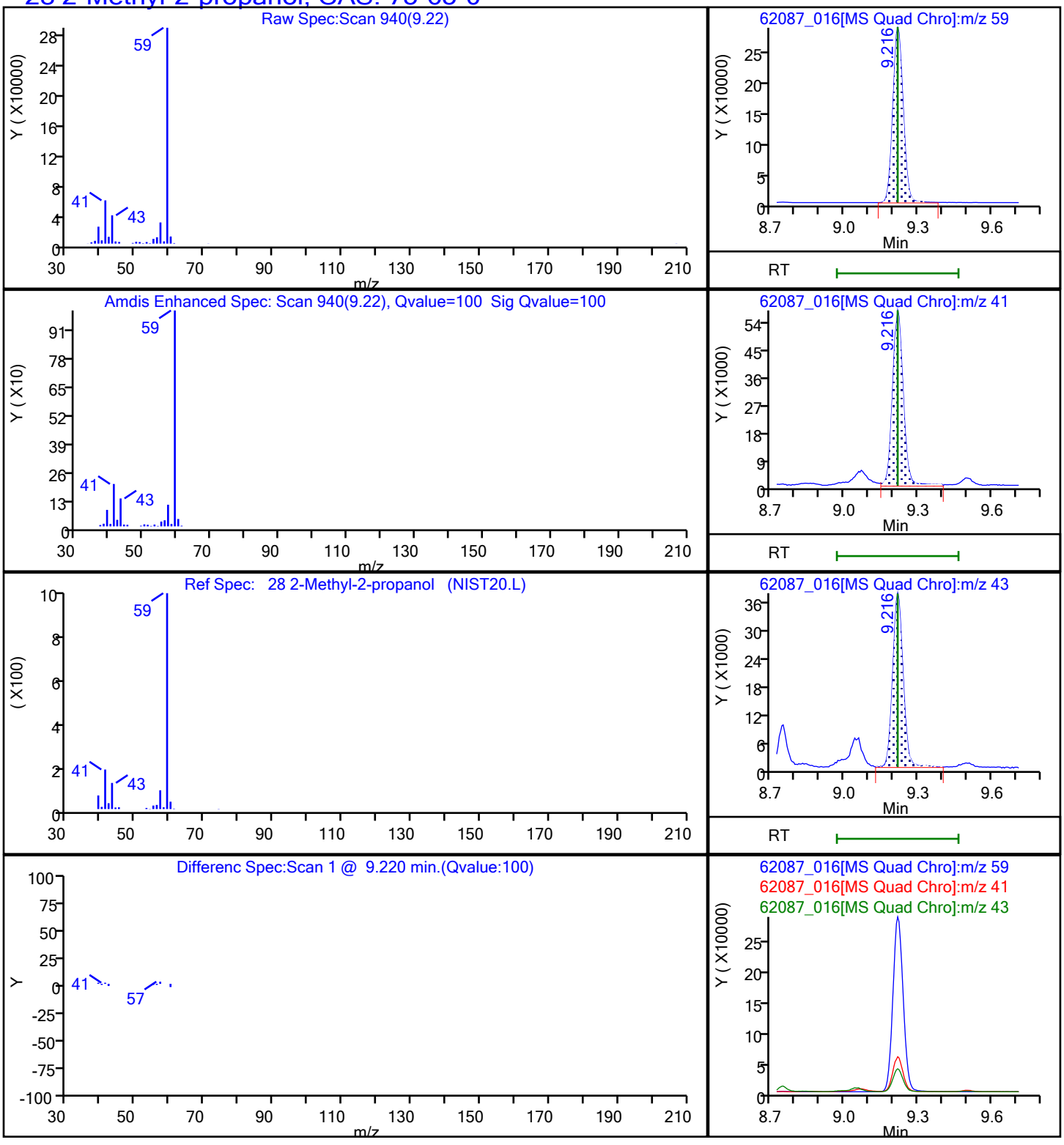
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0

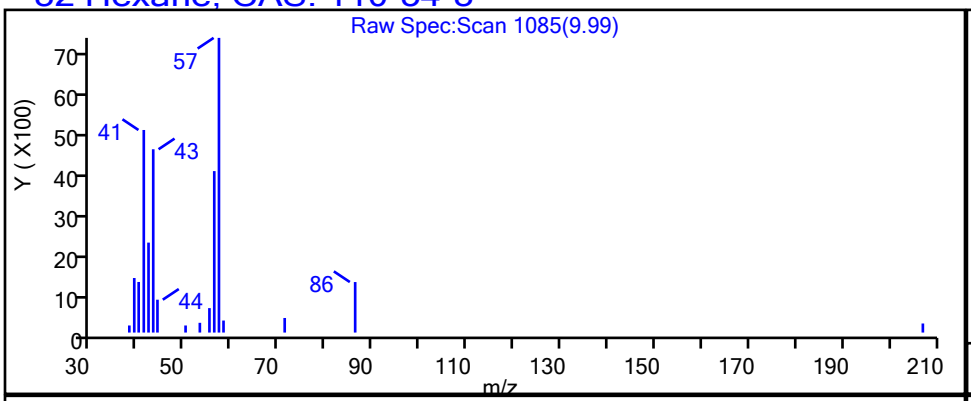


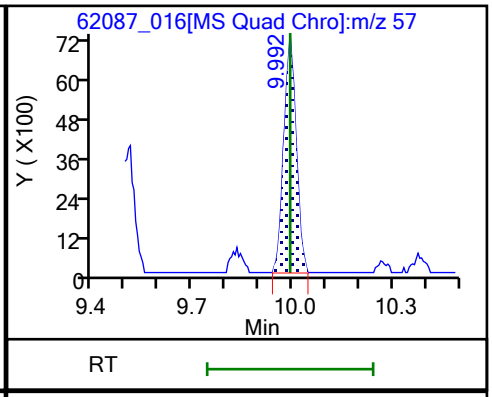
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

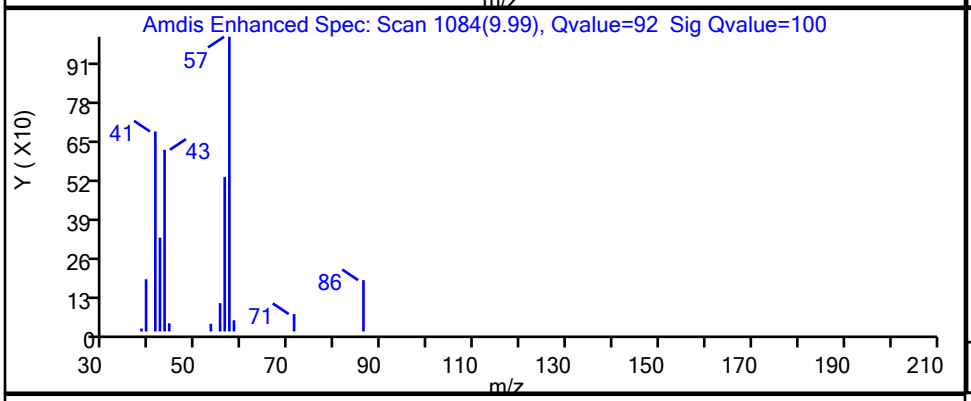
Eurofins Burlington

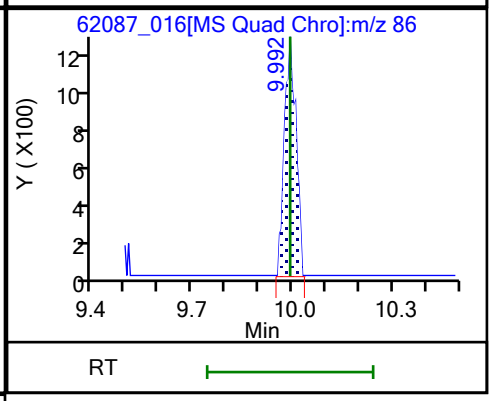
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

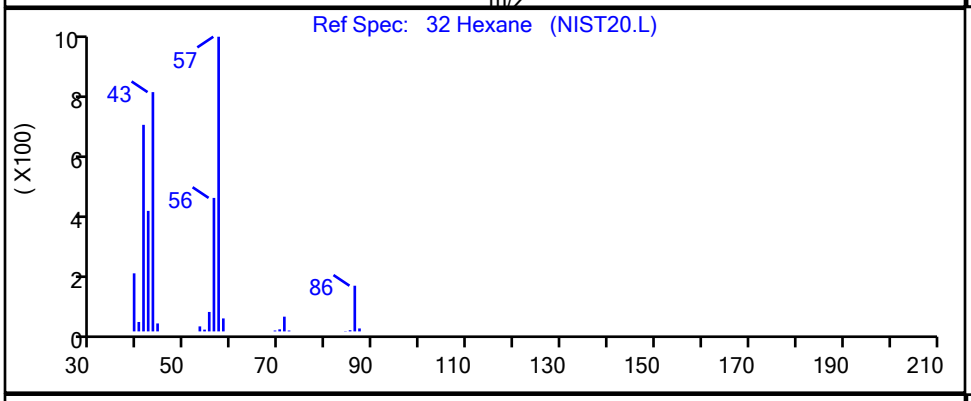
32 Hexane, CAS: 110-54-3

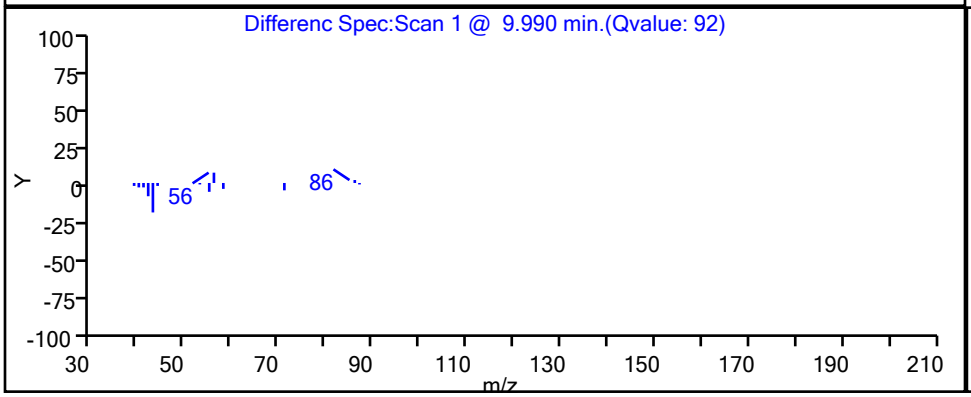


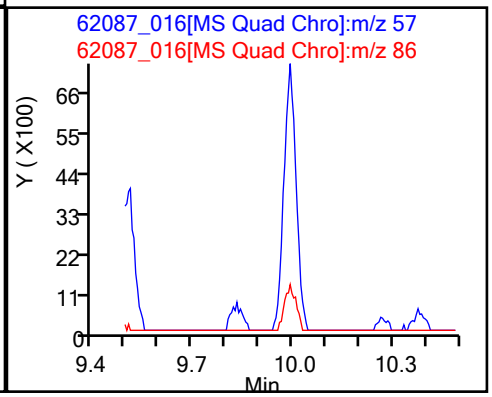












Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date: 17-Sep-2024 20:19:02 Instrument ID: CHAM.i

Lims ID: 200-75119-A-1 Lab Sample ID: 200-75119-1

Client ID: RXSV-8

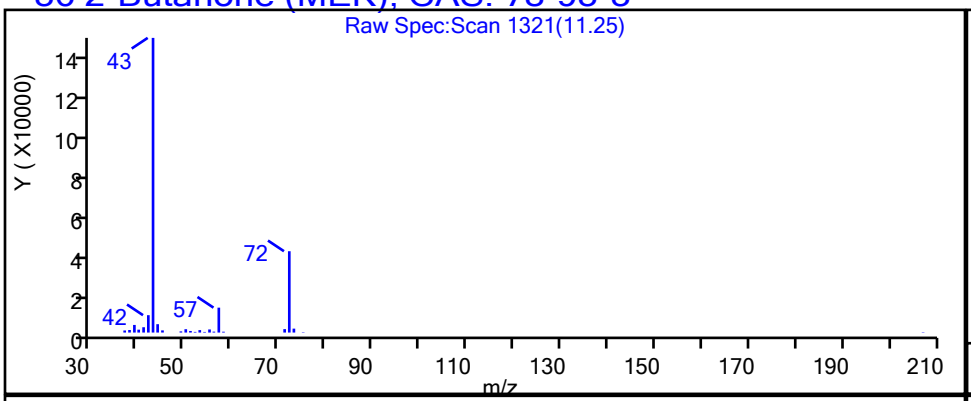
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 16

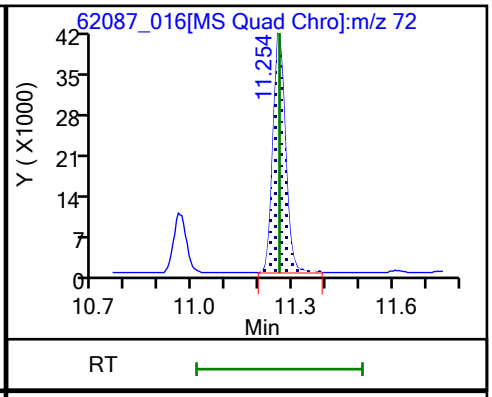
Purge Vol: 200.000 mL Dil. Factor: 1.0000

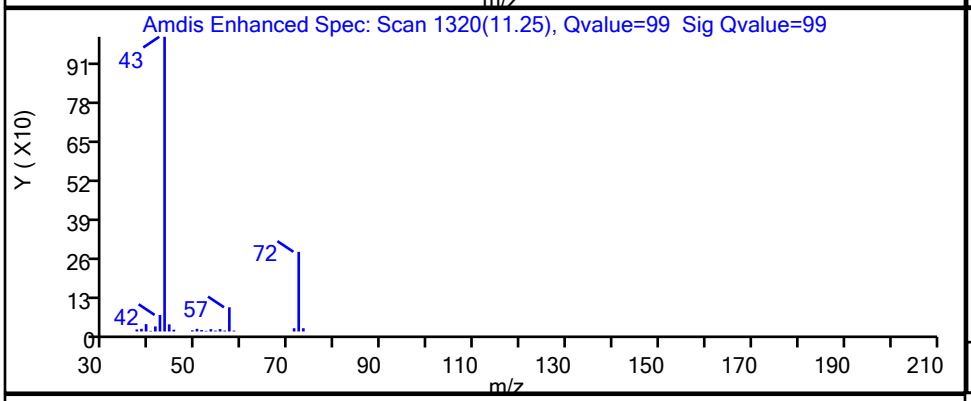
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

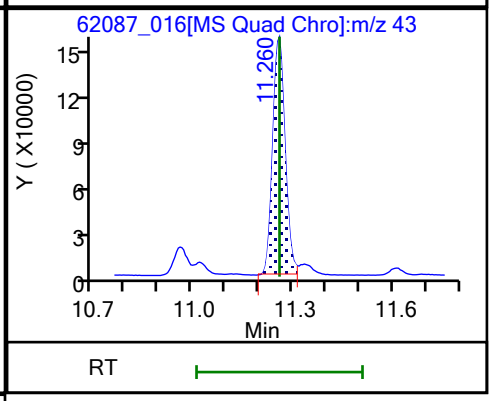
Column: RTX-624 (0.32 mm) Detector MS SCAN

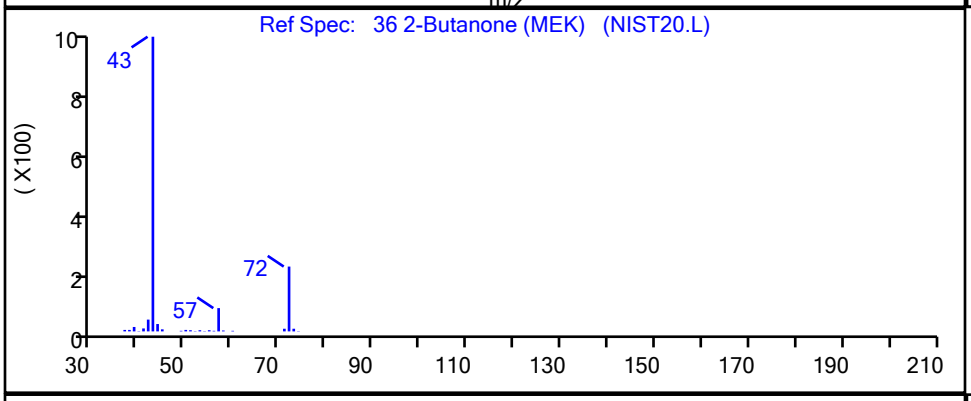
36 2-Butanone (MEK), CAS: 78-93-3

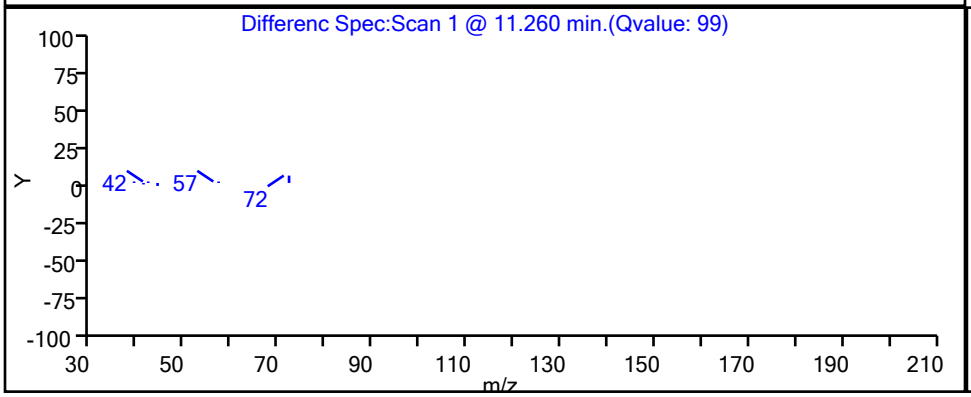


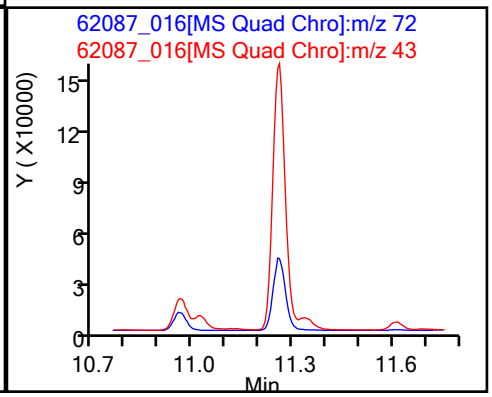










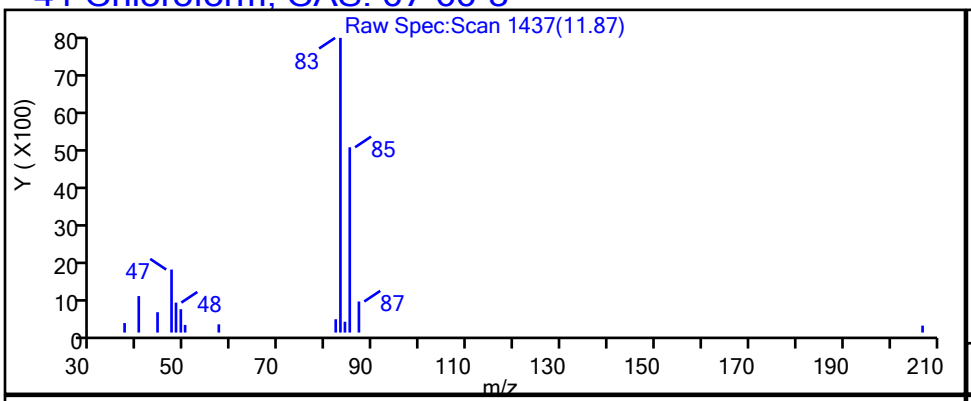


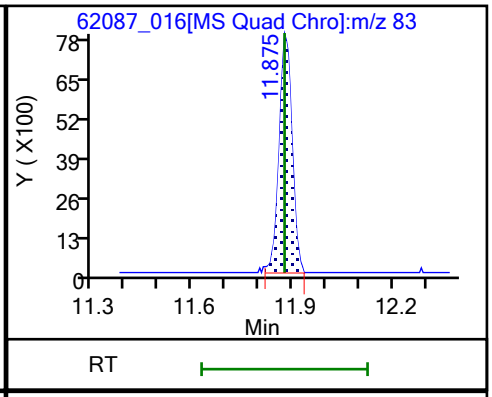
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

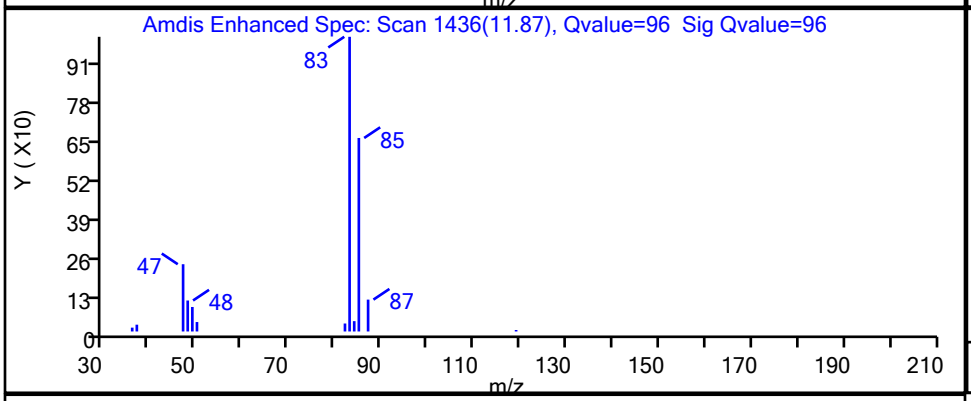
Eurofins Burlington

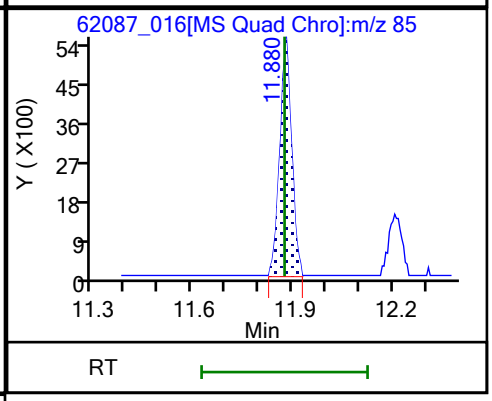
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

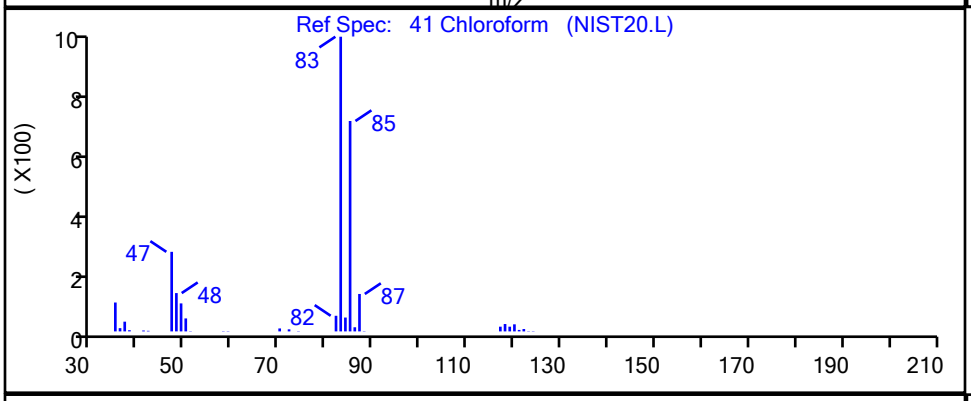
41 Chloroform, CAS: 67-66-3

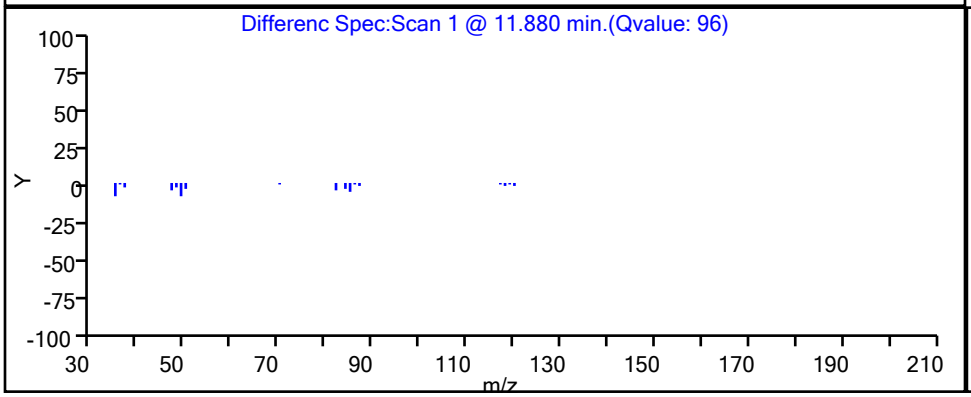


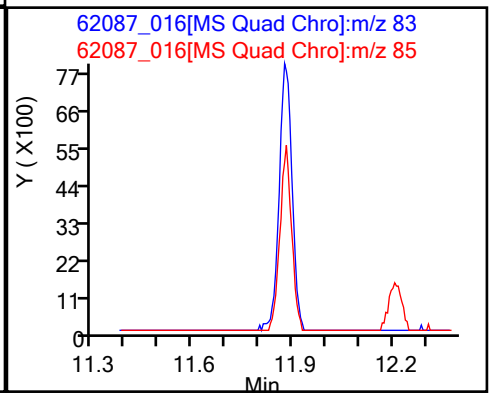












Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date: 17-Sep-2024 20:19:02 Instrument ID: CHAM.i

Lims ID: 200-75119-A-1 Lab Sample ID: 200-75119-1

Client ID: RXSV-8

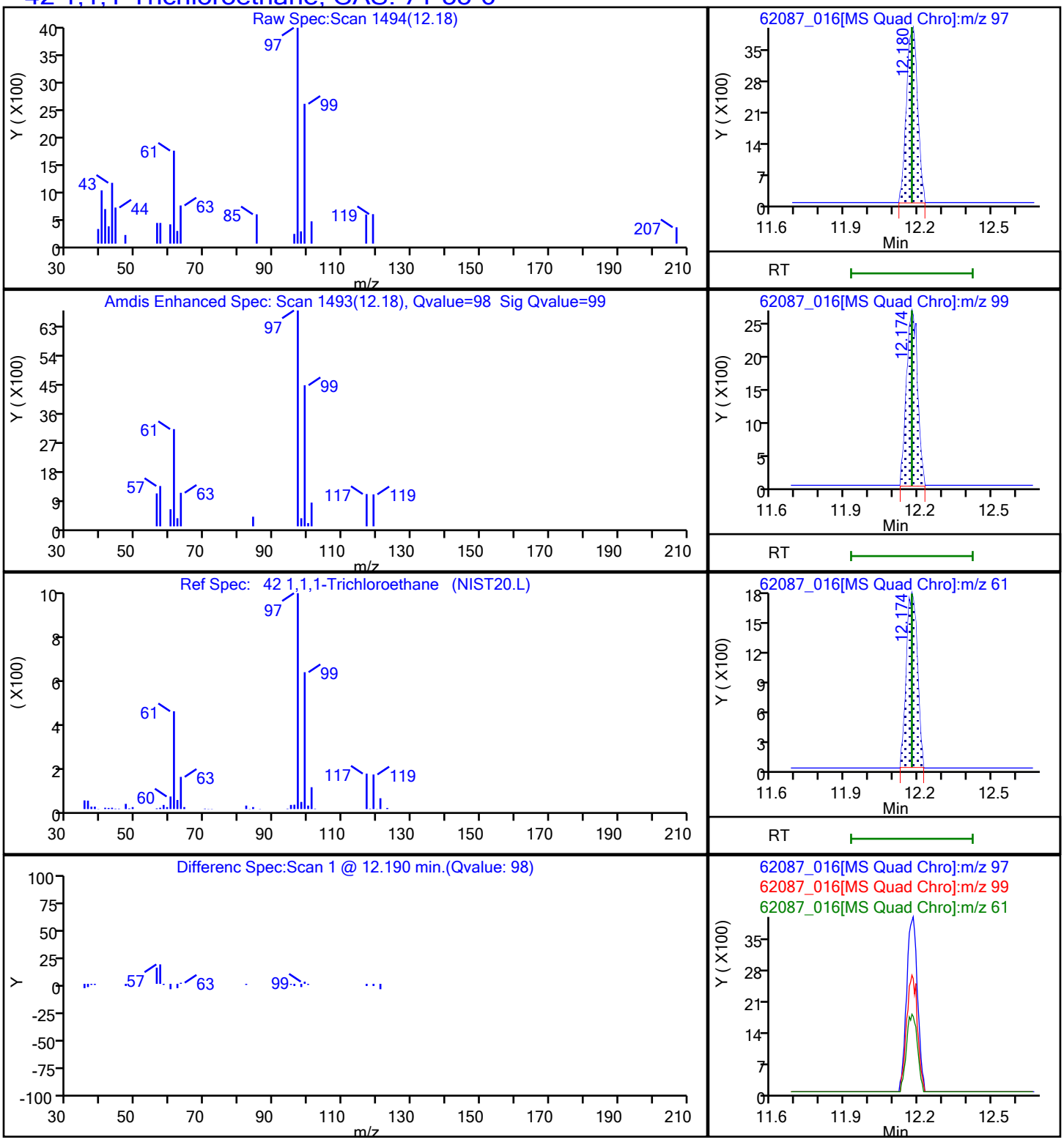
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 16

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6

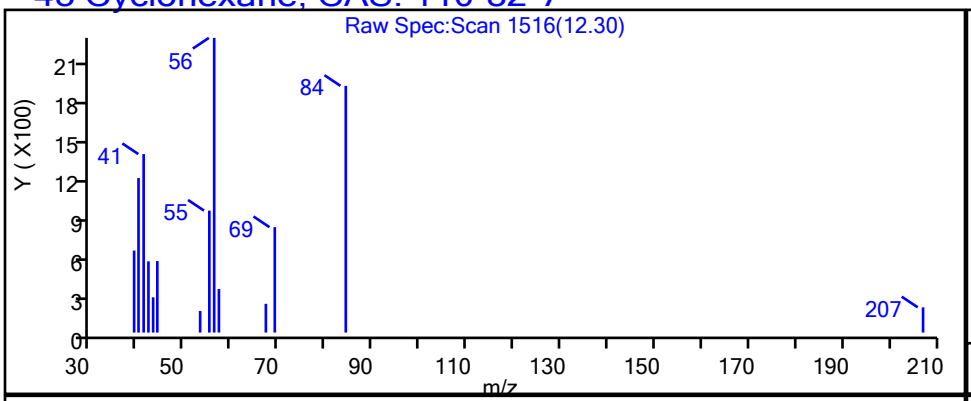


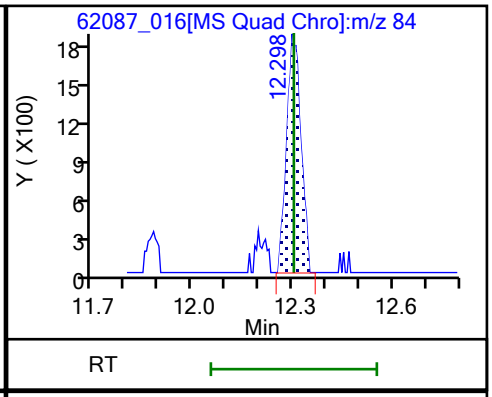
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

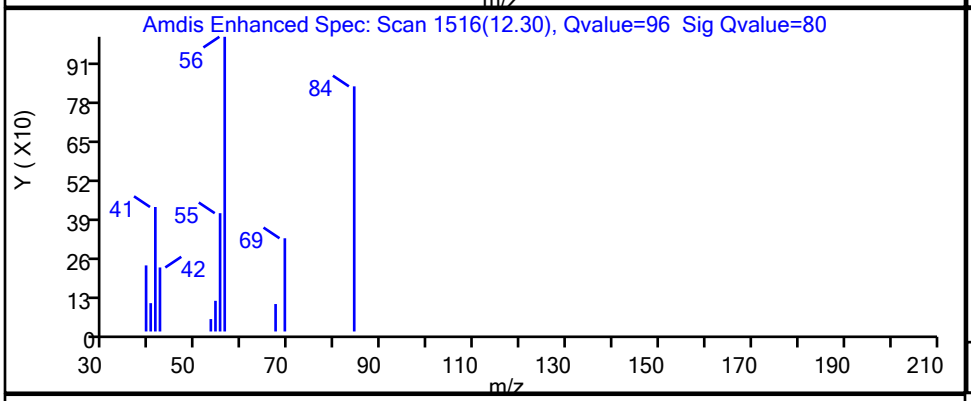
Eurofins Burlington

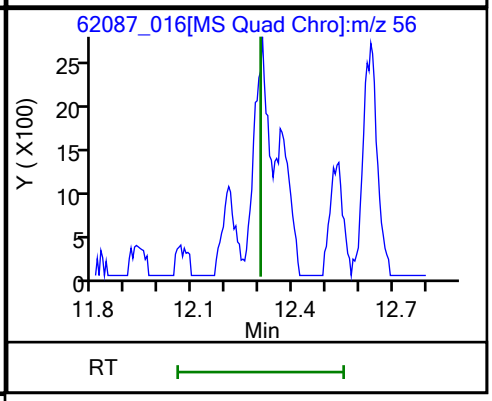
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

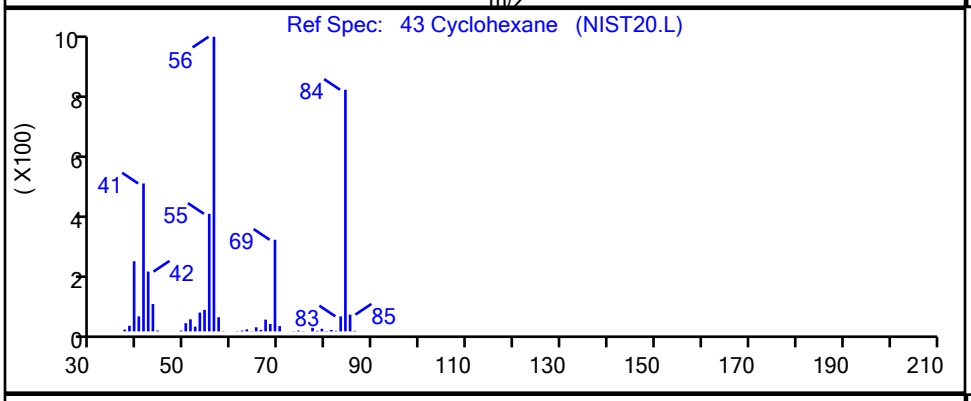
43 Cyclohexane, CAS: 110-82-7

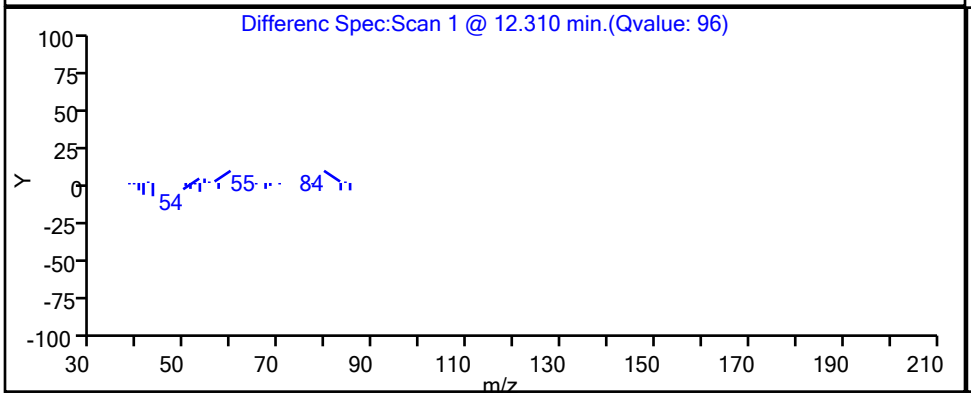


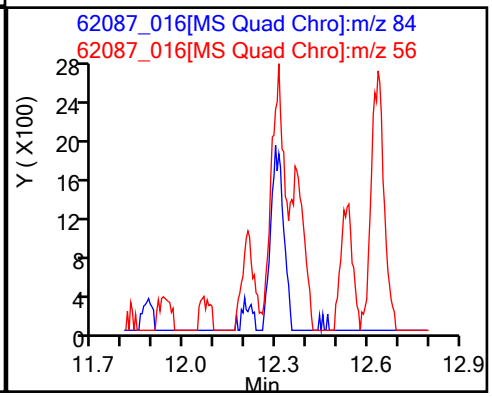












Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date: 17-Sep-2024 20:19:02 Instrument ID: CHAM.i

Lims ID: 200-75119-A-1 Lab Sample ID: 200-75119-1

Client ID: RXSV-8

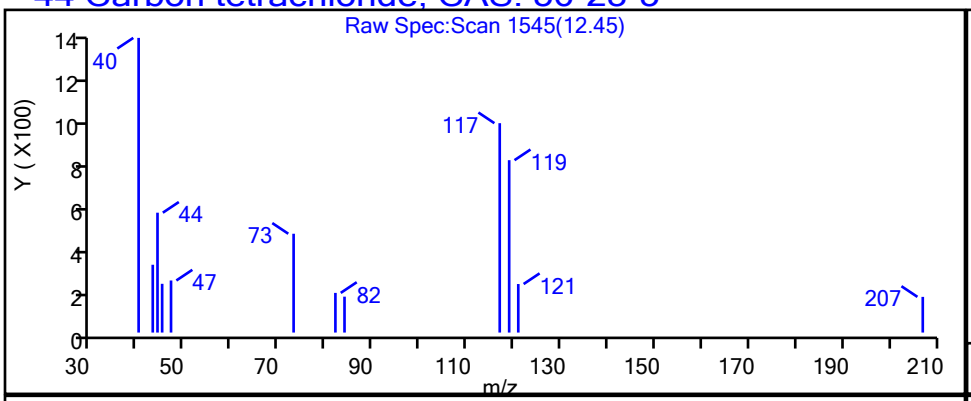
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 16

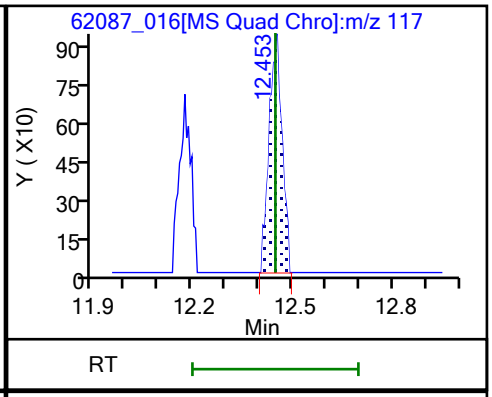
Purge Vol: 200.000 mL Dil. Factor: 1.0000

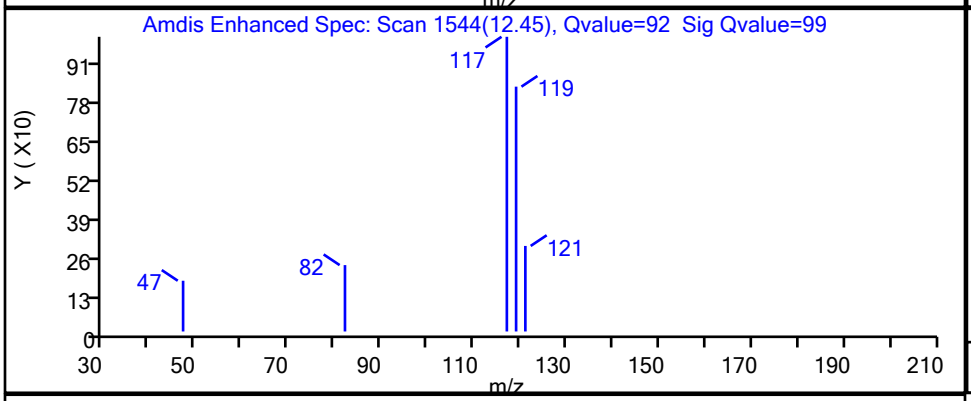
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

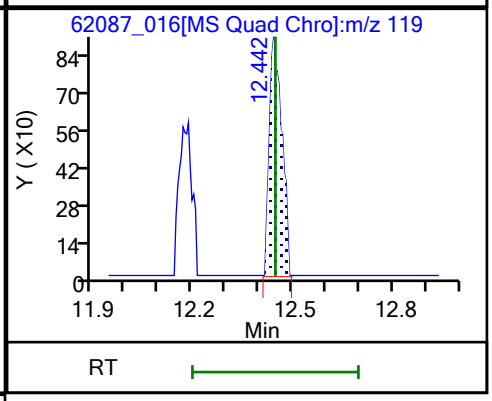
Column: RTX-624 (0.32 mm) Detector MS SCAN

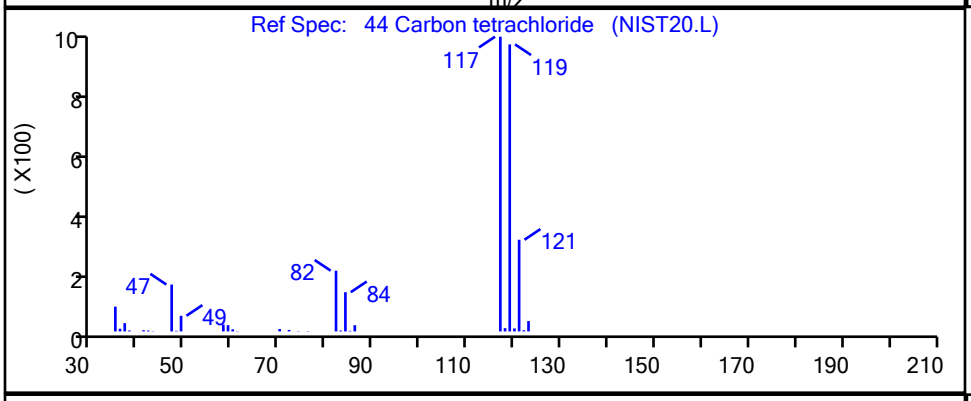
44 Carbon tetrachloride, CAS: 56-23-5

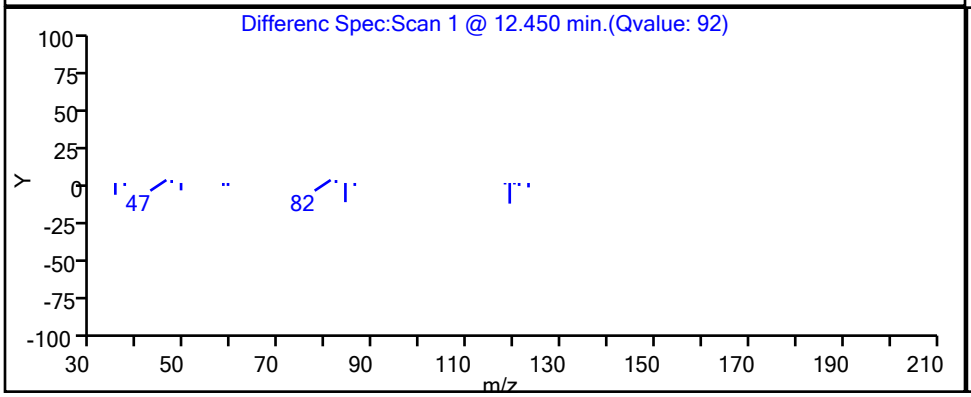


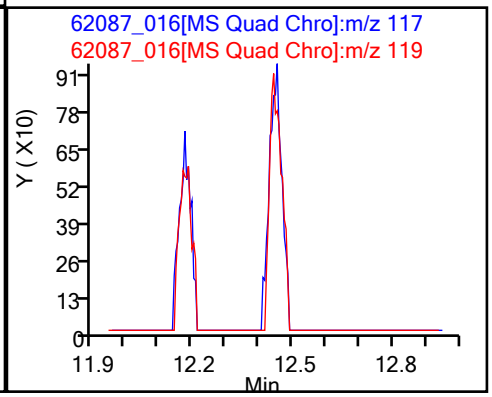












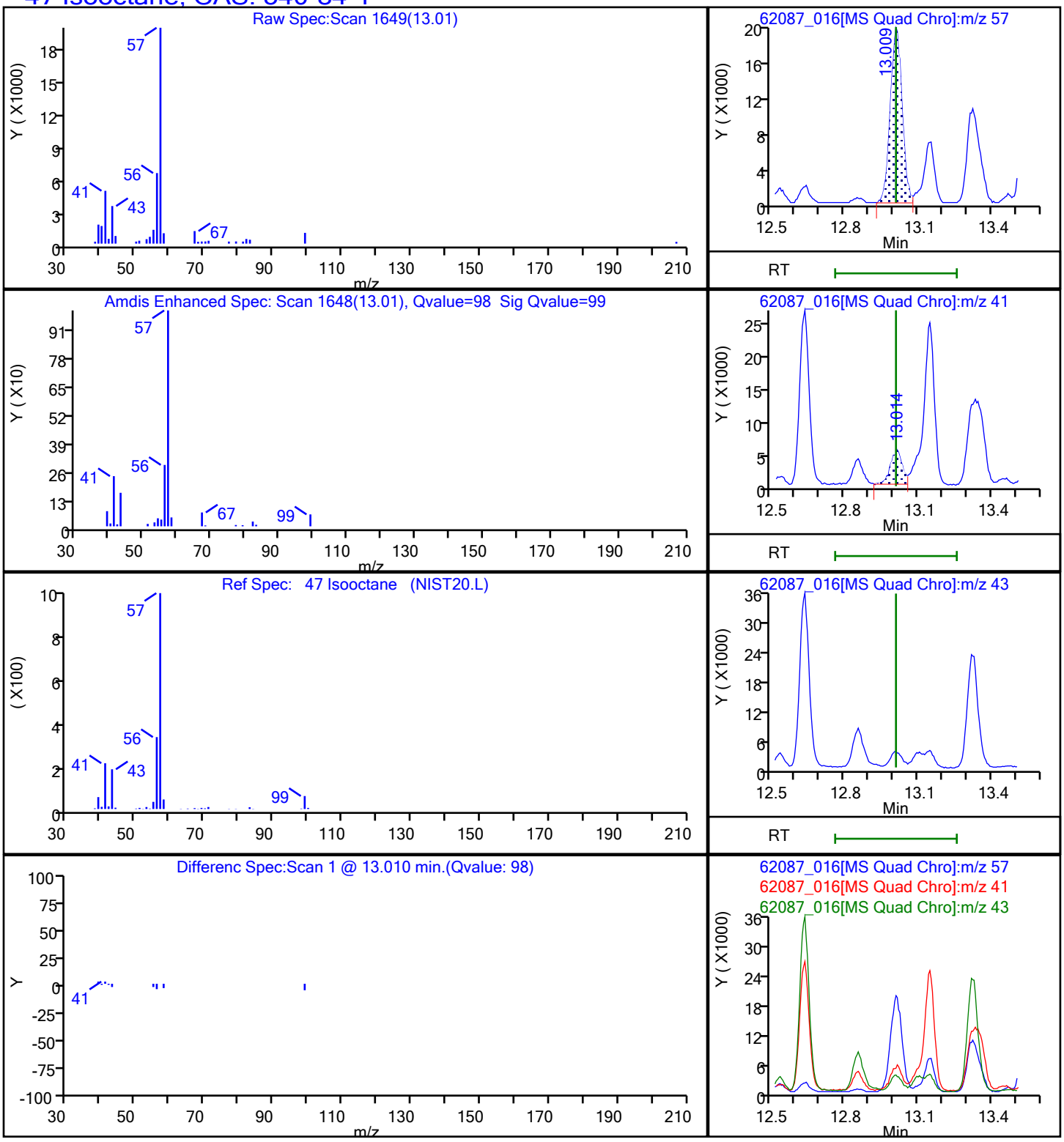
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1



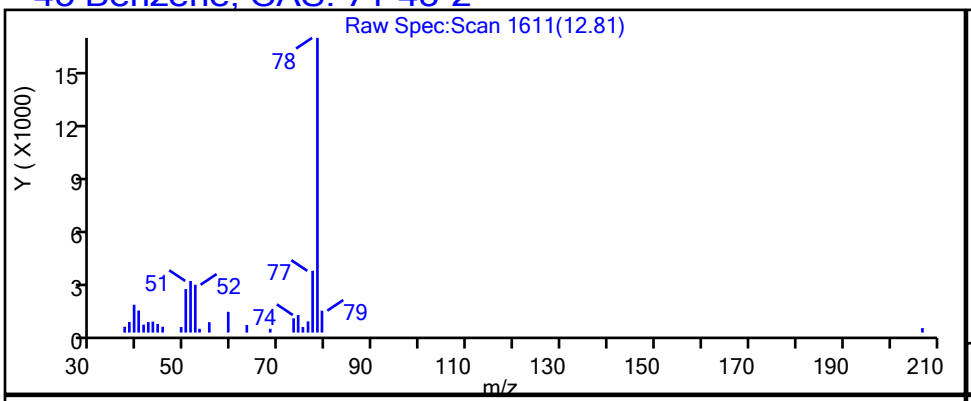
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

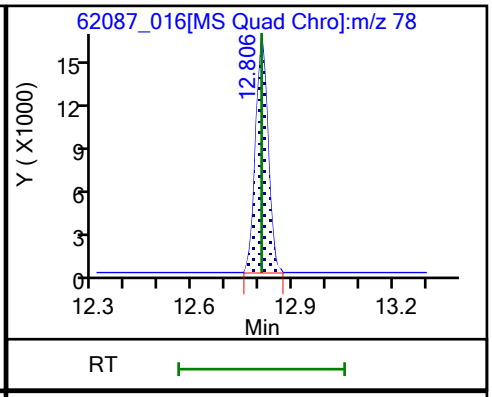
Eurofins Burlington

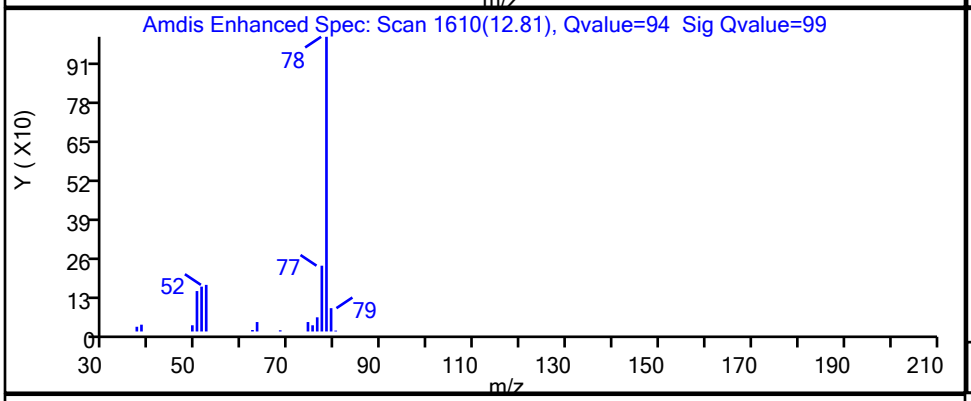
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

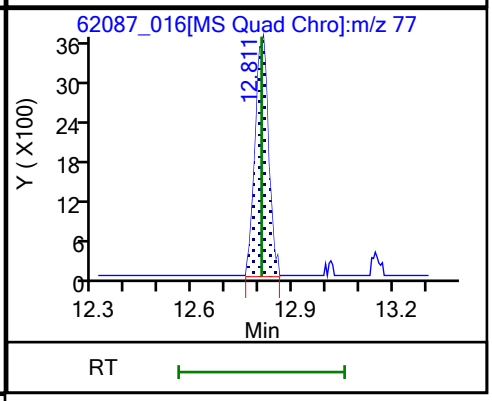
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

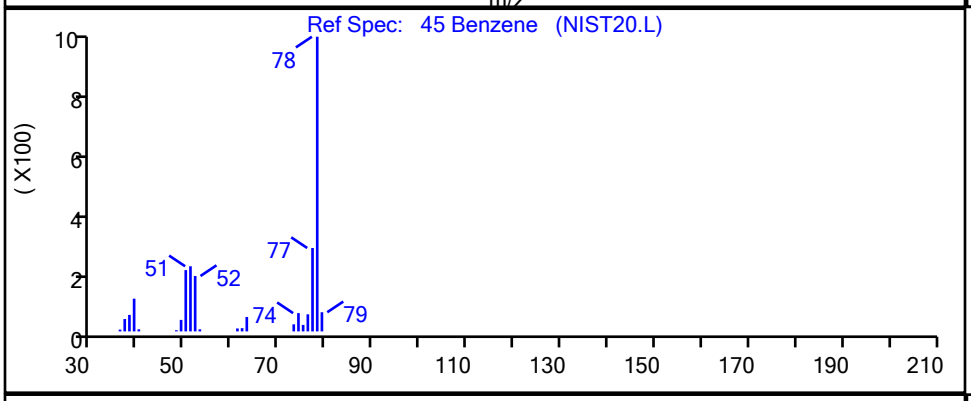
45 Benzene, CAS: 71-43-2

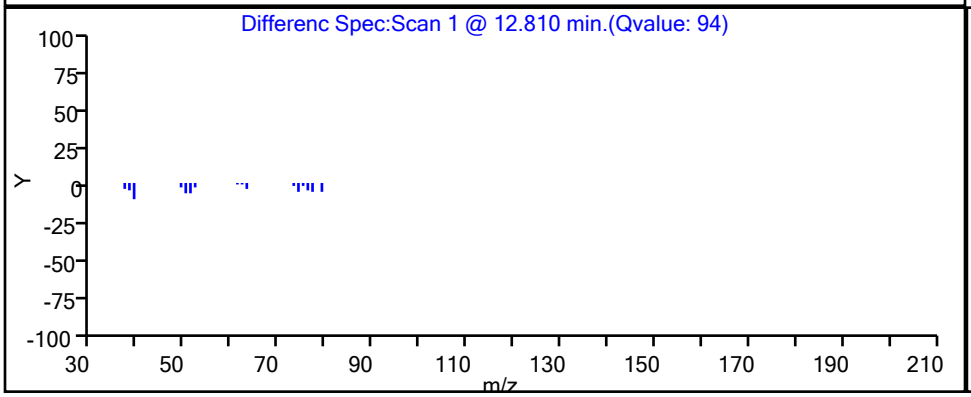


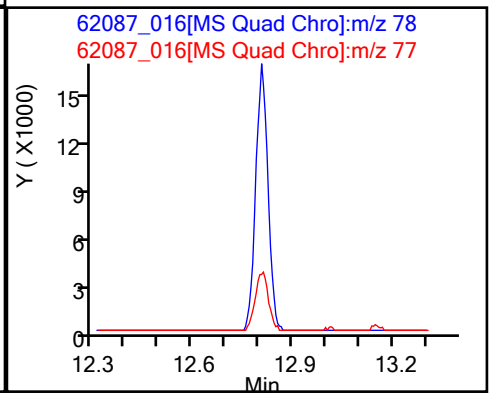










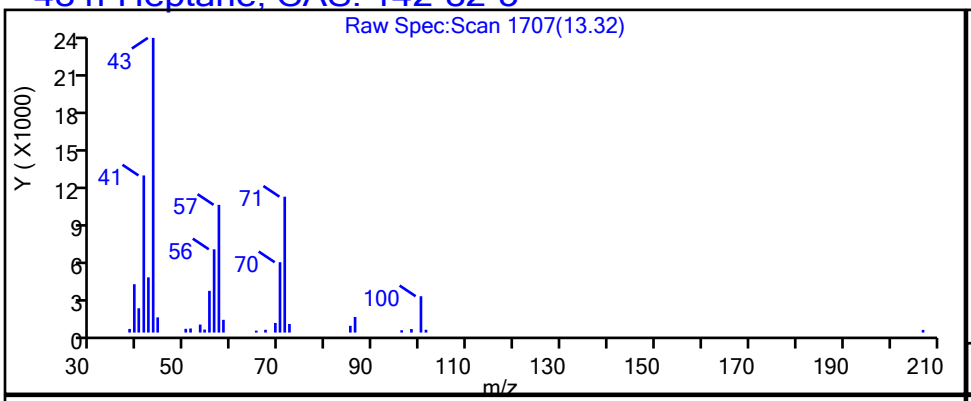


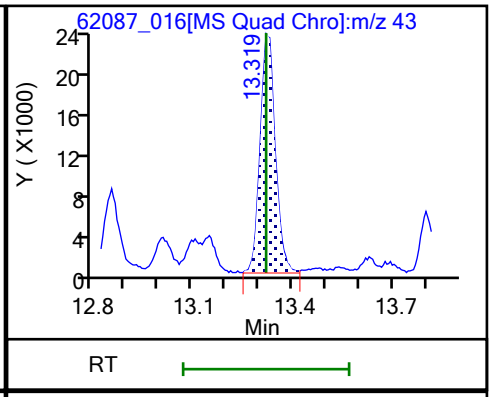
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

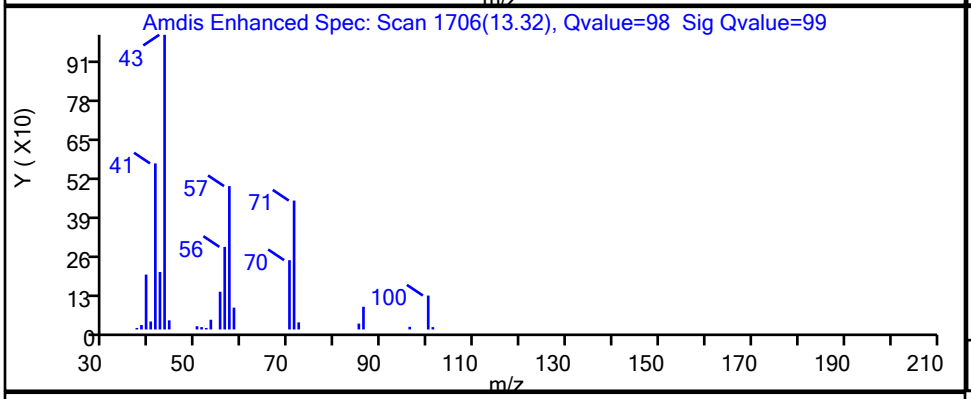
Eurofins Burlington

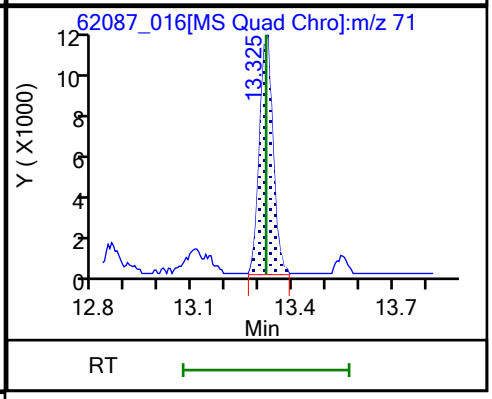
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

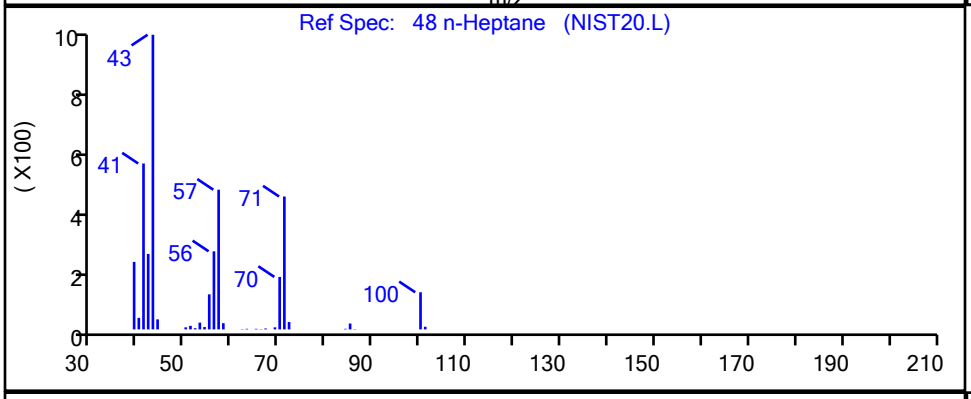
48 n-Heptane, CAS: 142-82-5

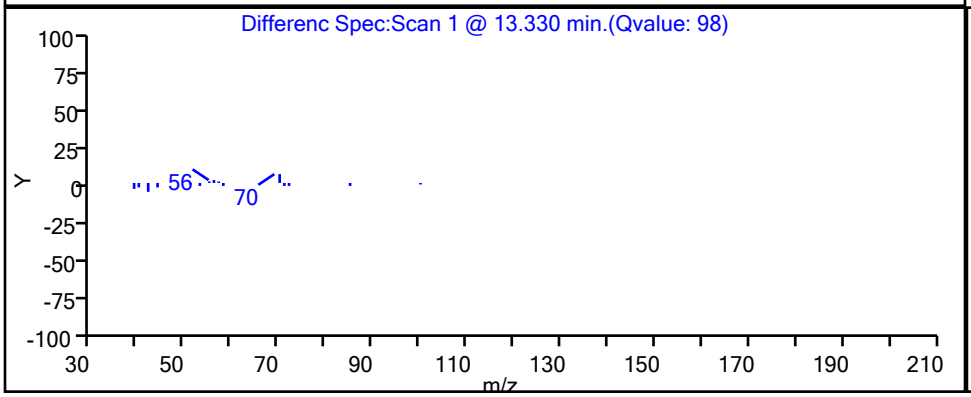


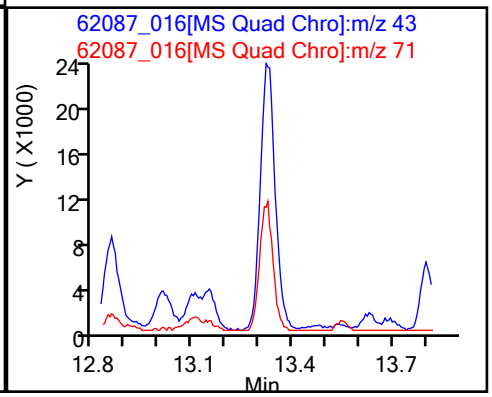










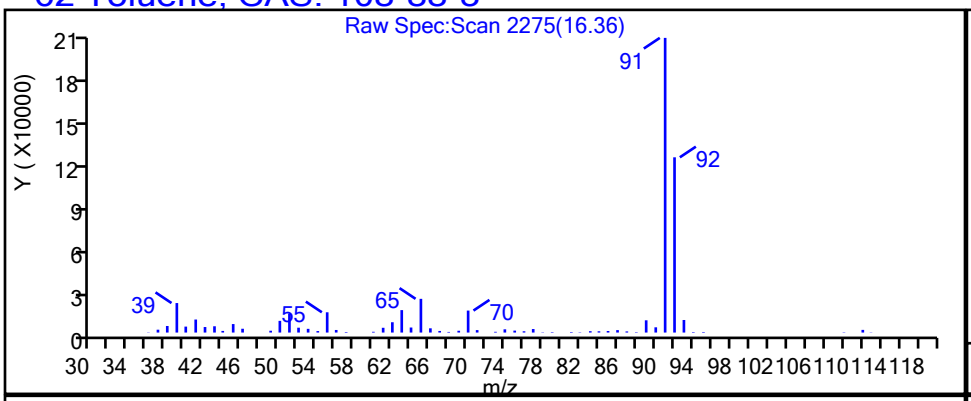


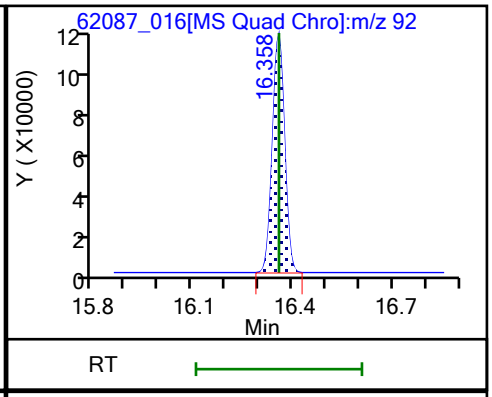
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

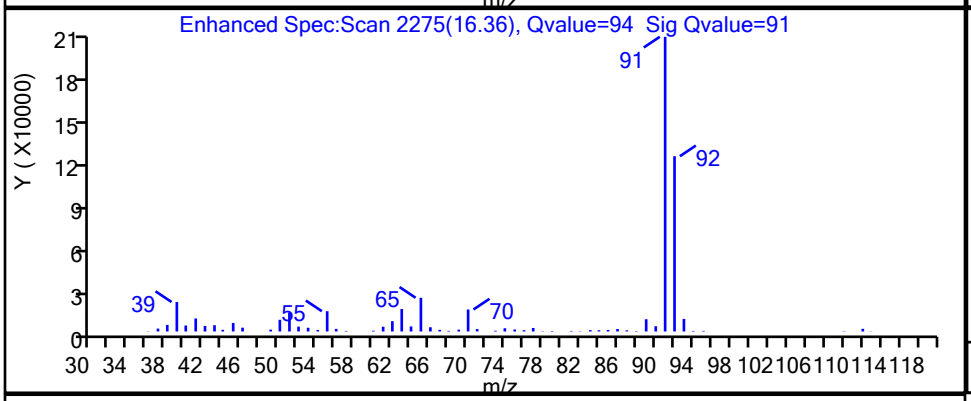
Eurofins Burlington

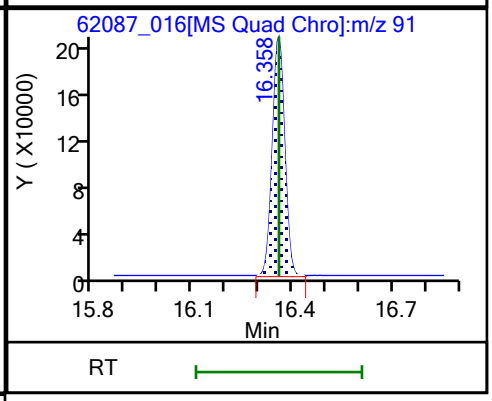
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

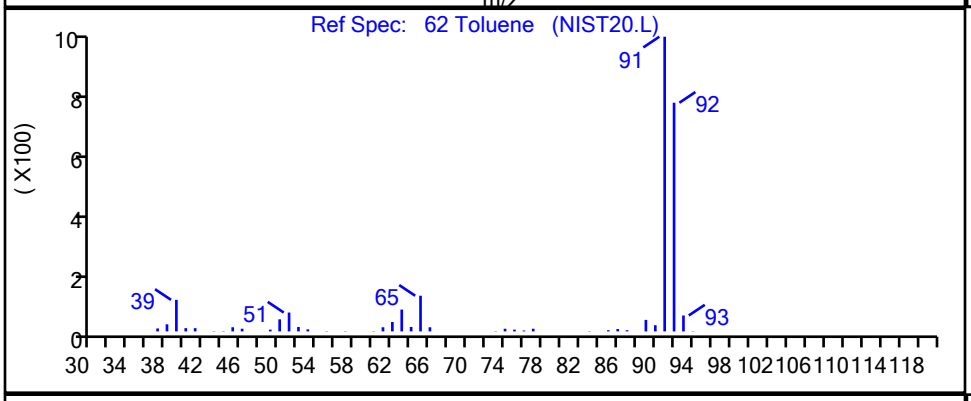
62 Toluene, CAS: 108-88-3

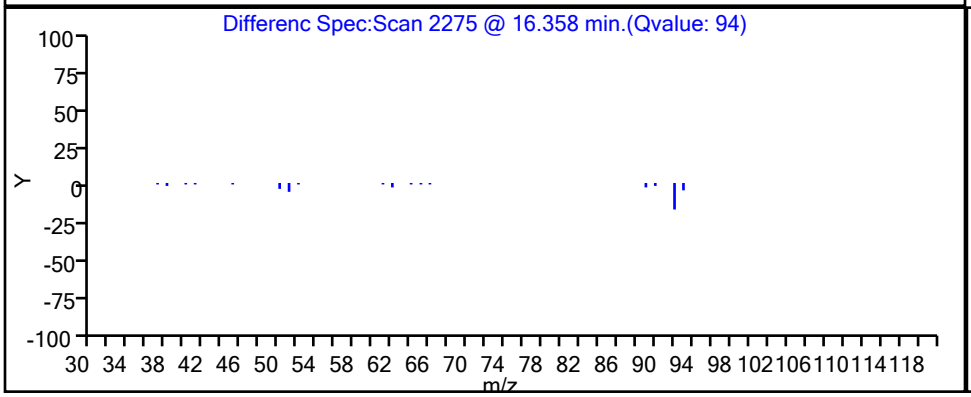


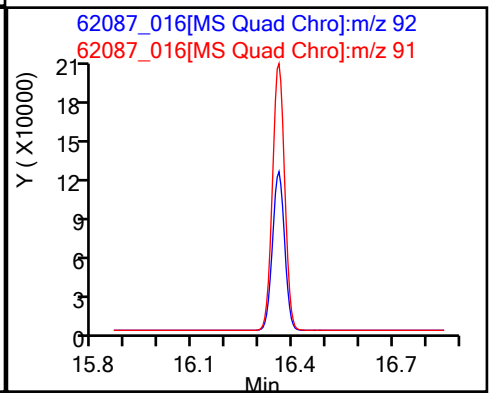












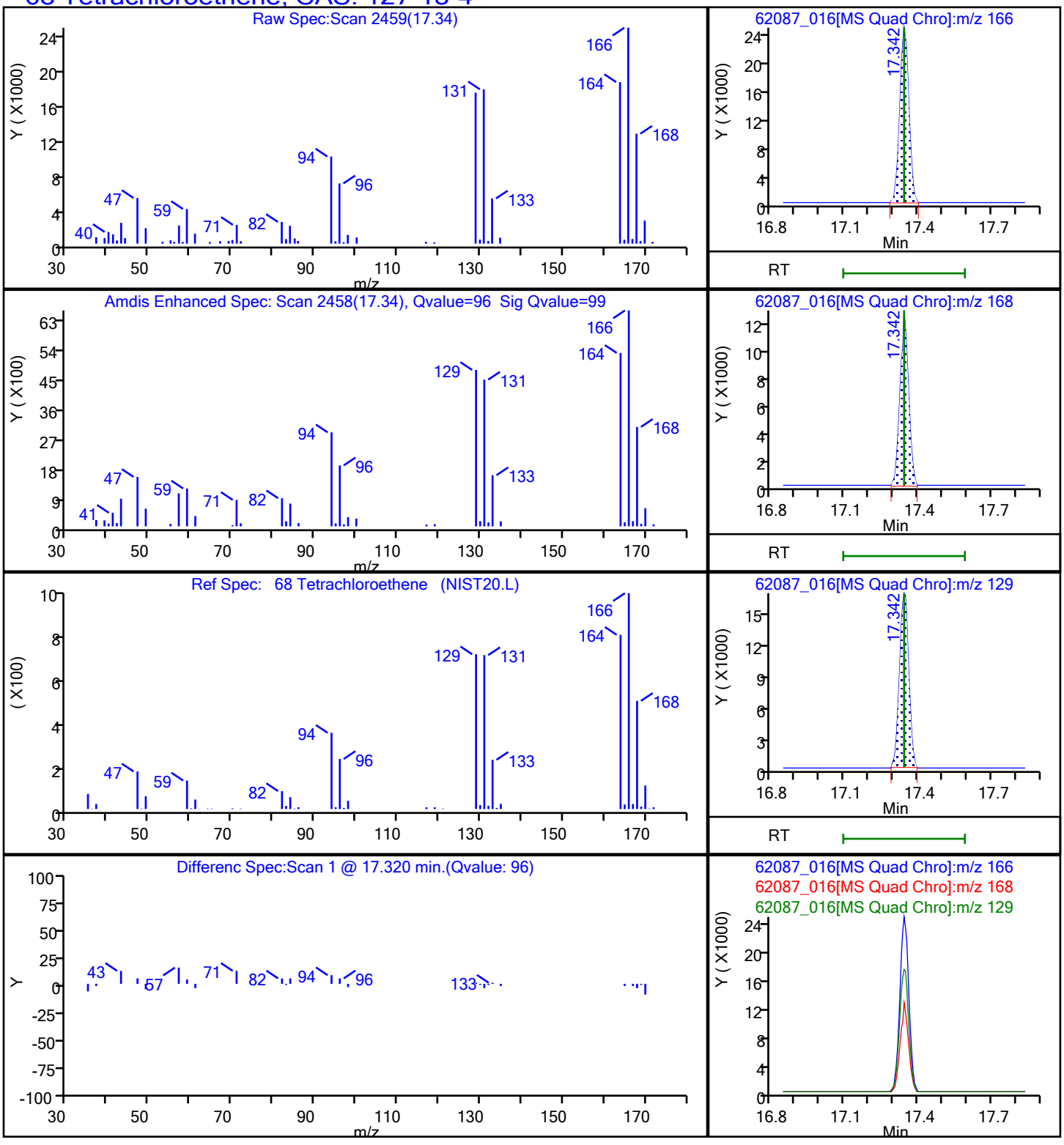
Report Date: 18-Sep-2024 09:36:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4

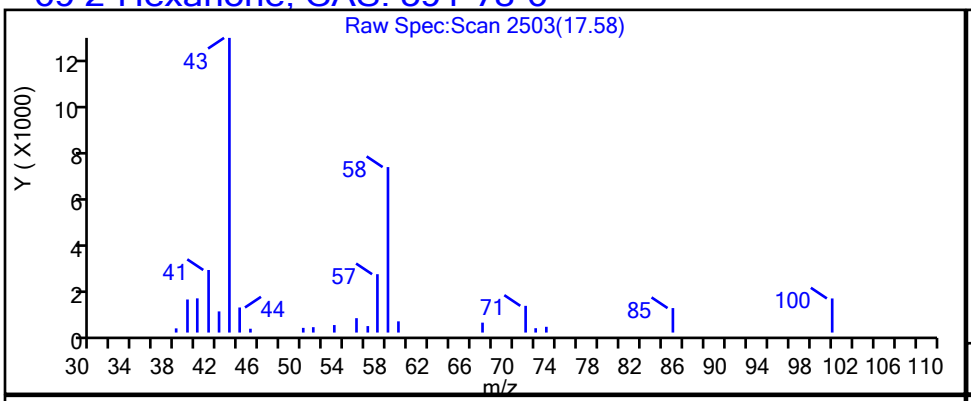


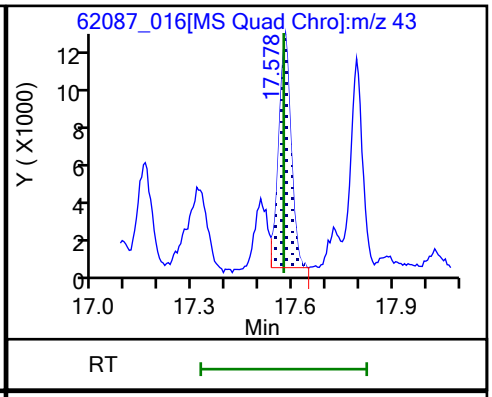
Report Date: 18-Sep-2024 09:36:44 Chrom Revision: 2.3 26-Aug-2024 17:14:48

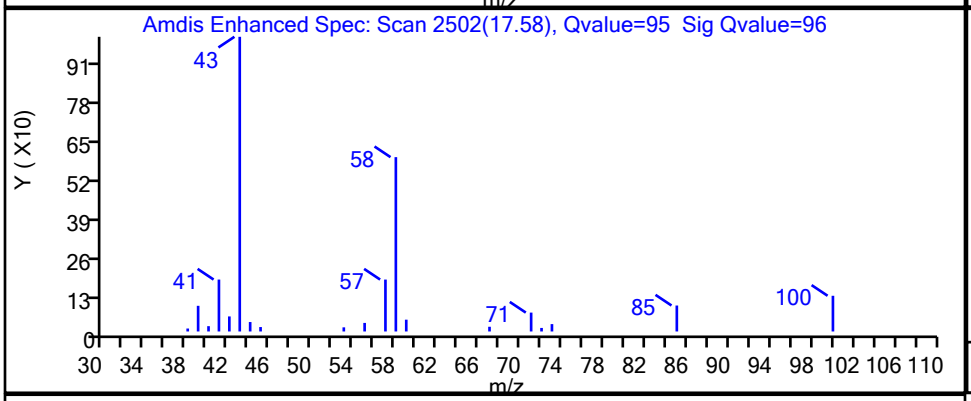
Eurofins Burlington

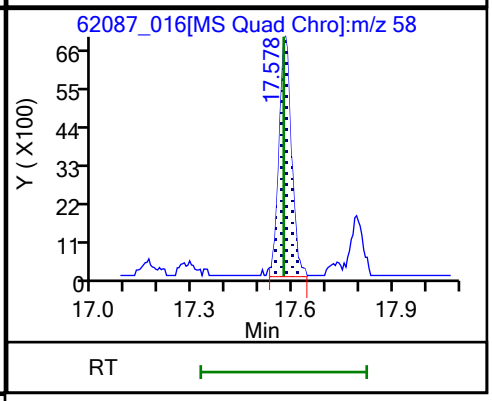
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

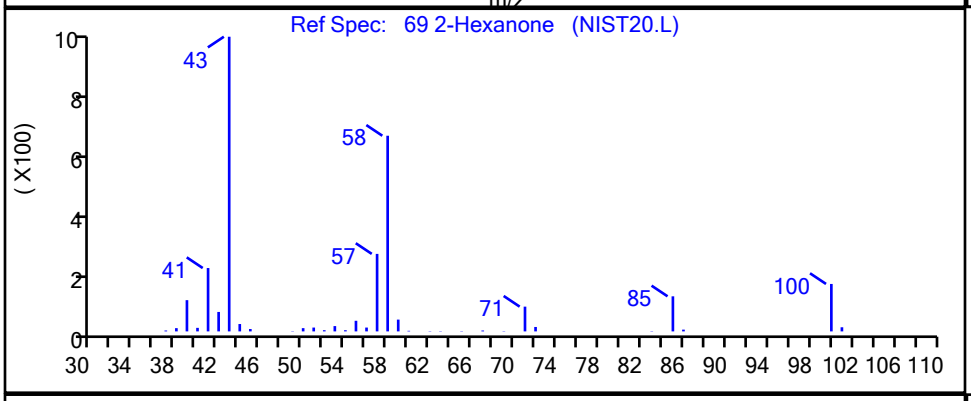
69 2-Hexanone, CAS: 591-78-6

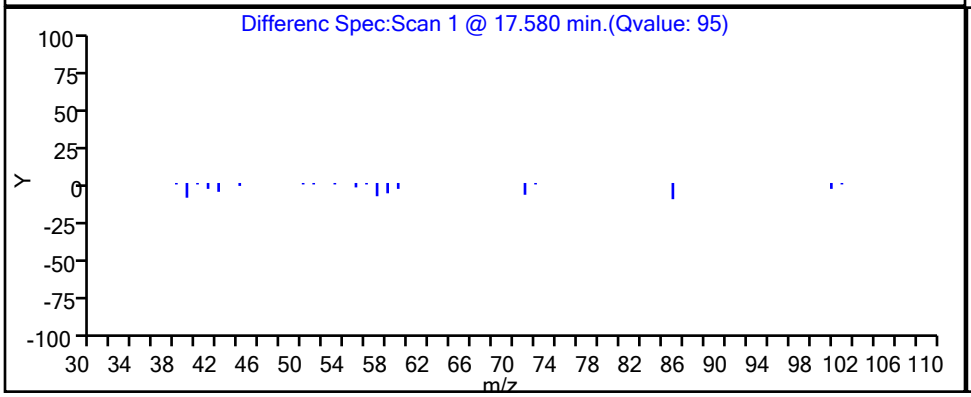


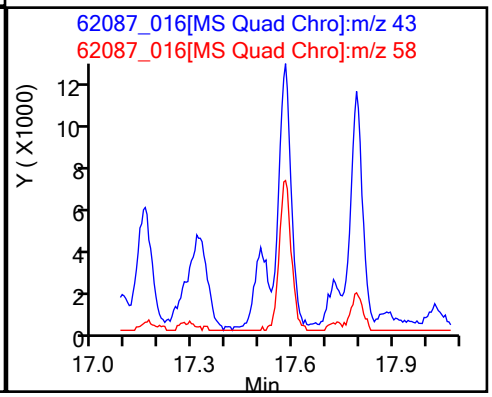












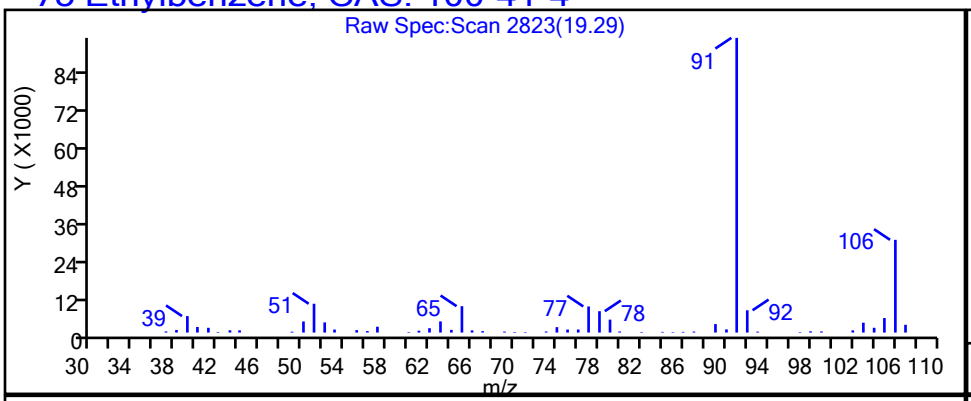
Report Date: 18-Sep-2024 09:36:44 Chrom Revision: 2.3 26-Aug-2024 17:14:48

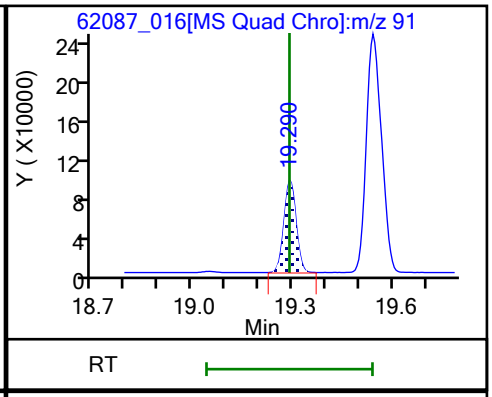
Eurofins Burlington

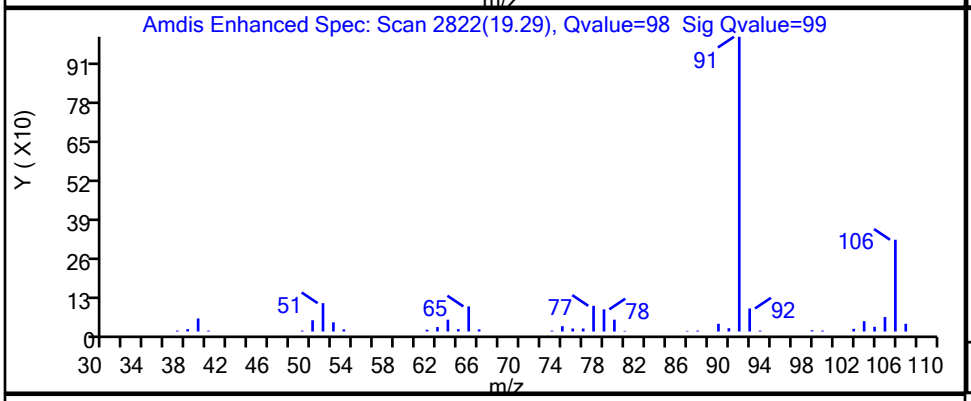
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

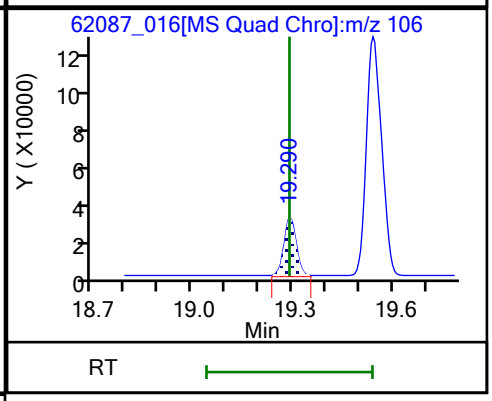
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

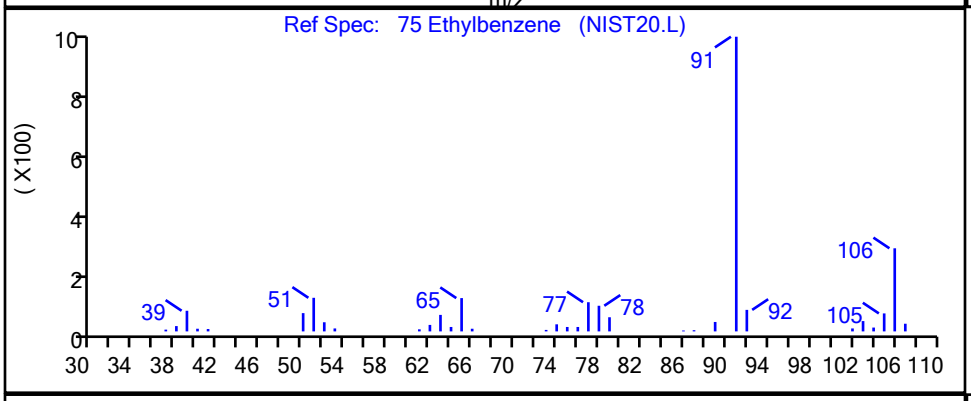
75 Ethylbenzene, CAS: 100-41-4

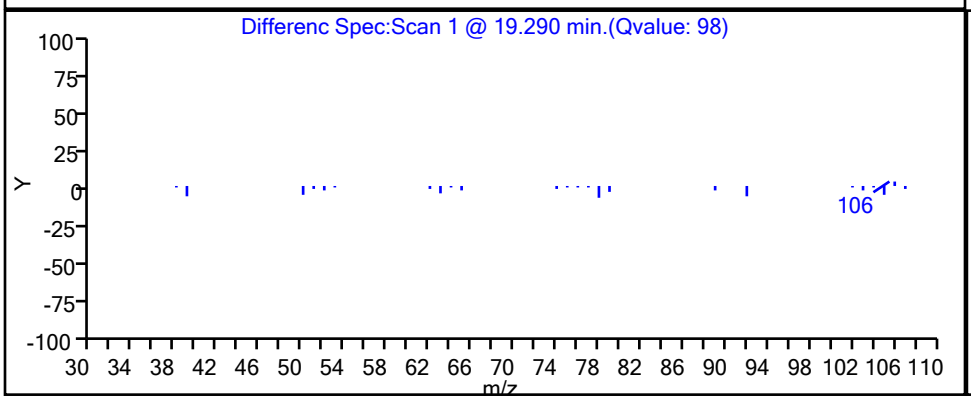


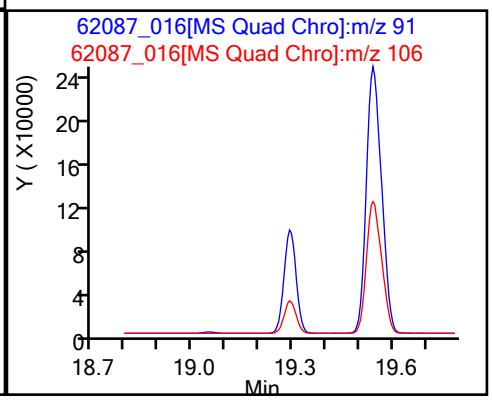












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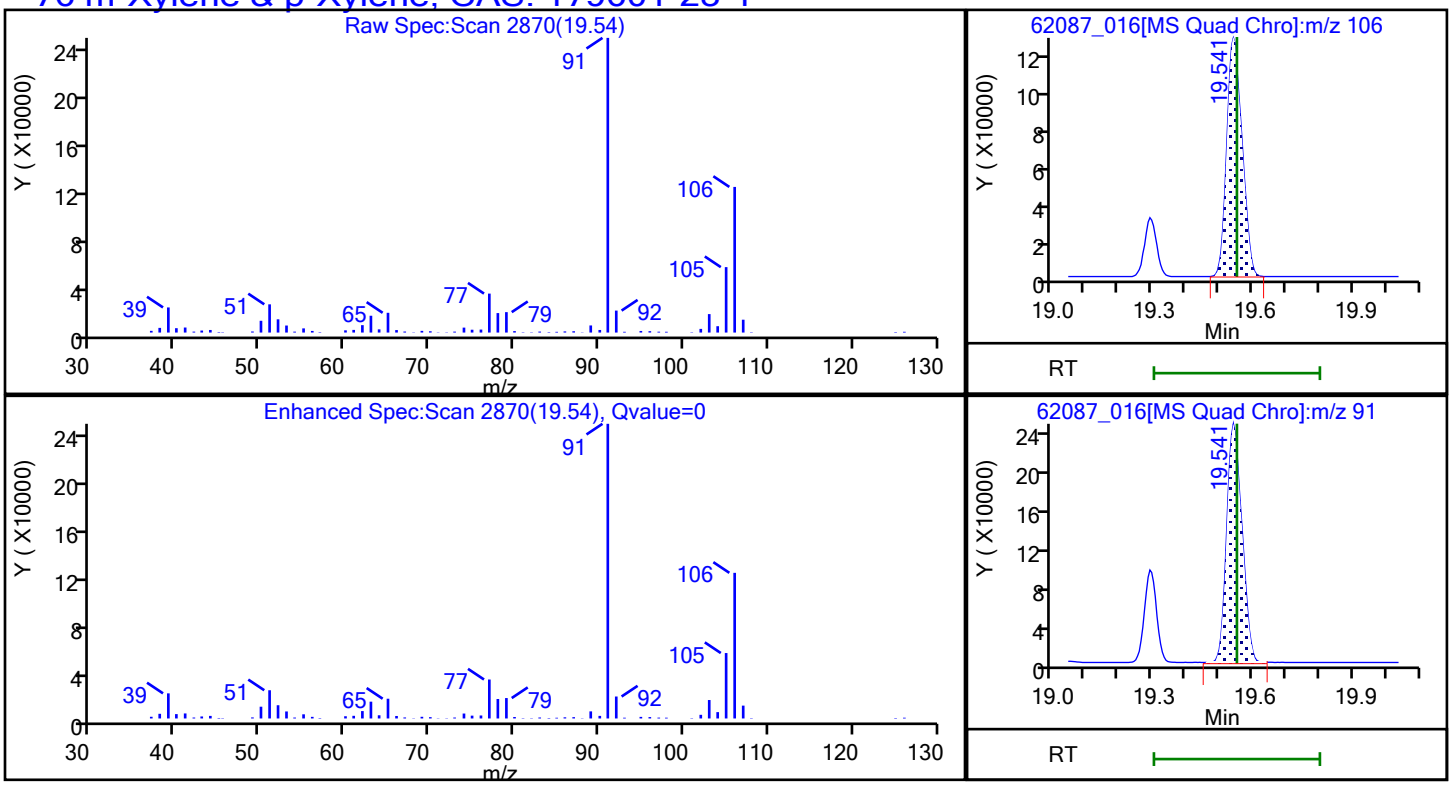
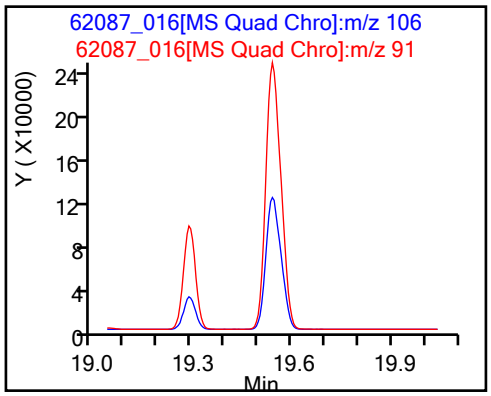
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1





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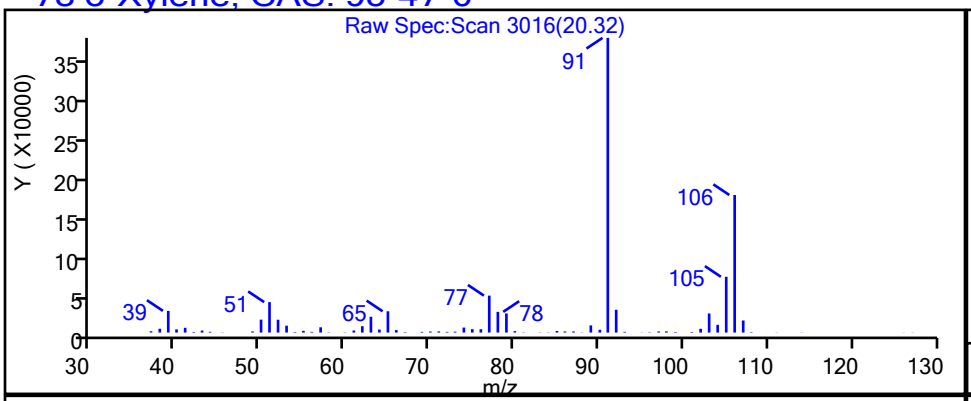
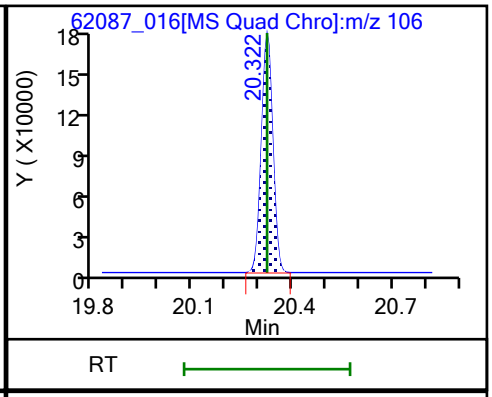
Eurofins Burlington

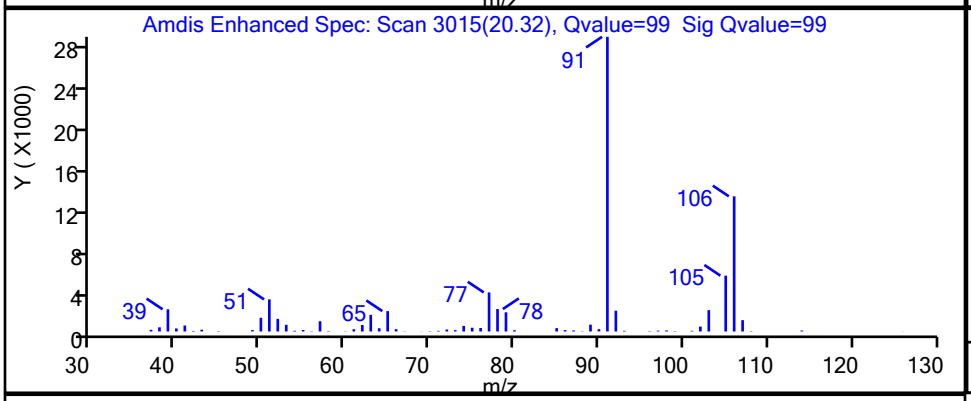
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

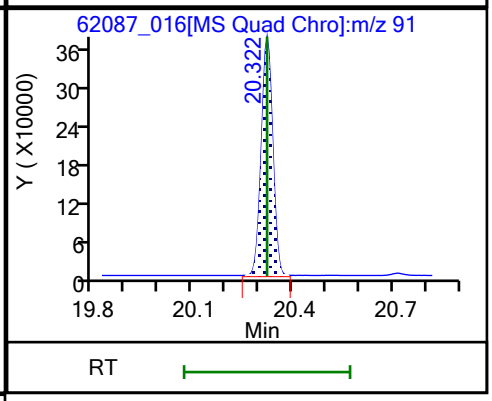
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

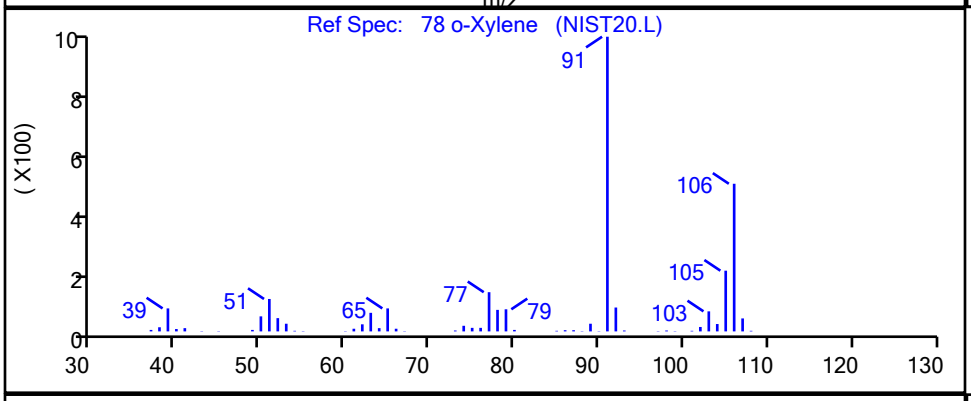
78 o-Xylene, CAS: 95-47-6

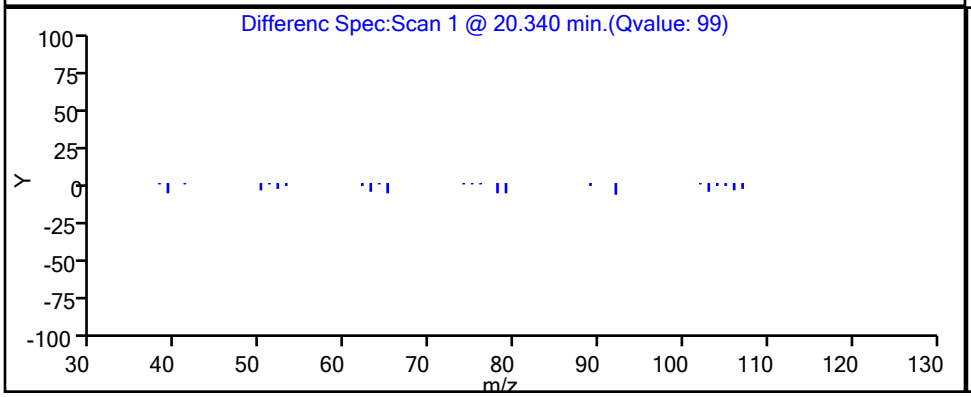


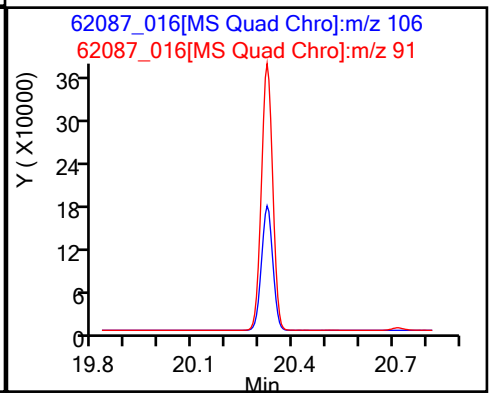












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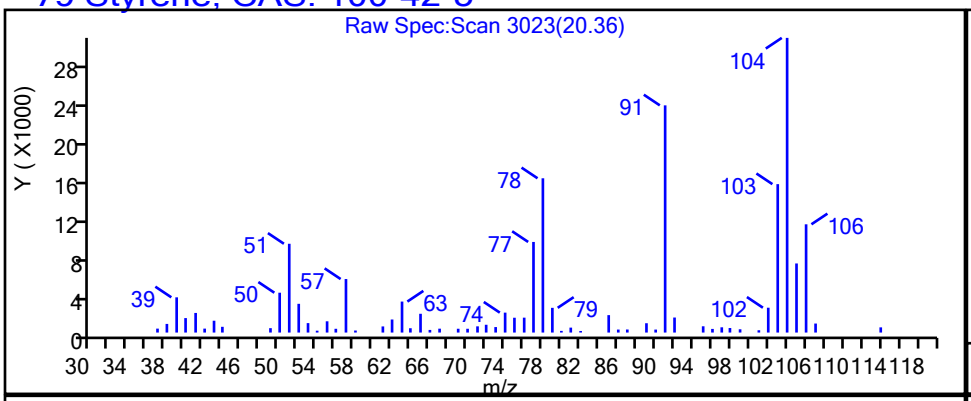
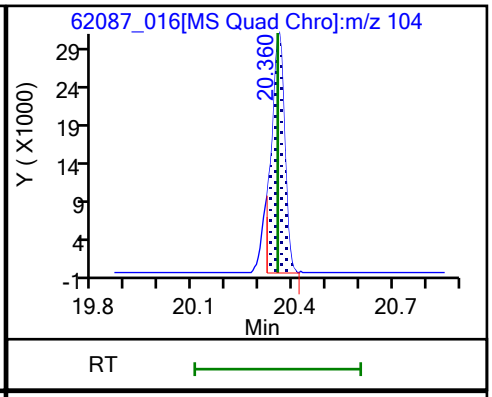
Eurofins Burlington

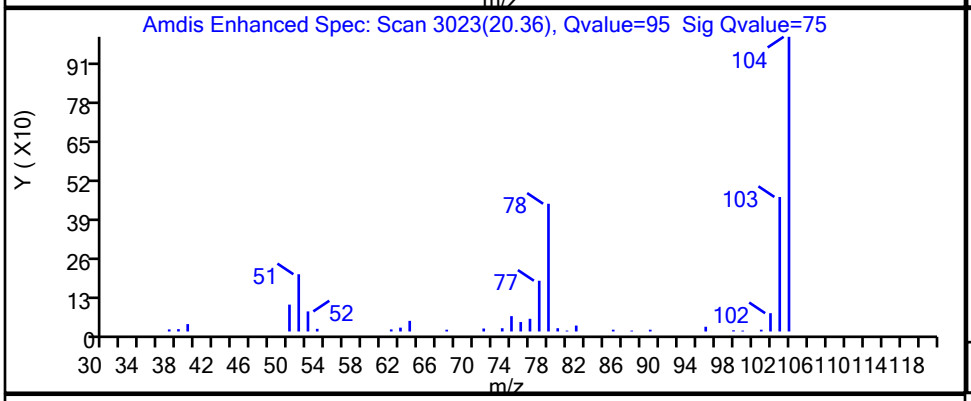
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

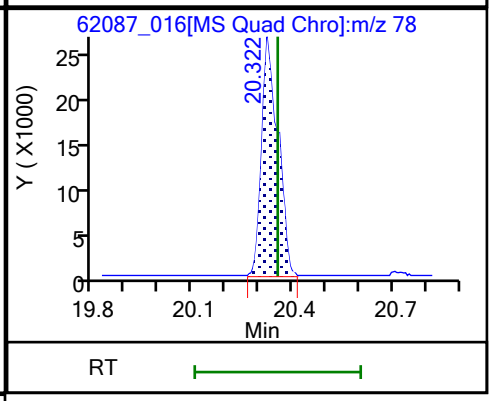
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

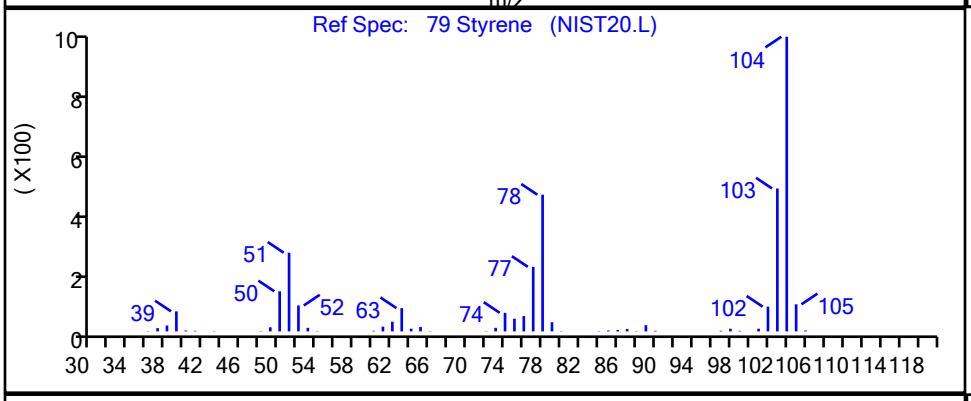
79 Styrene, CAS: 100-42-5

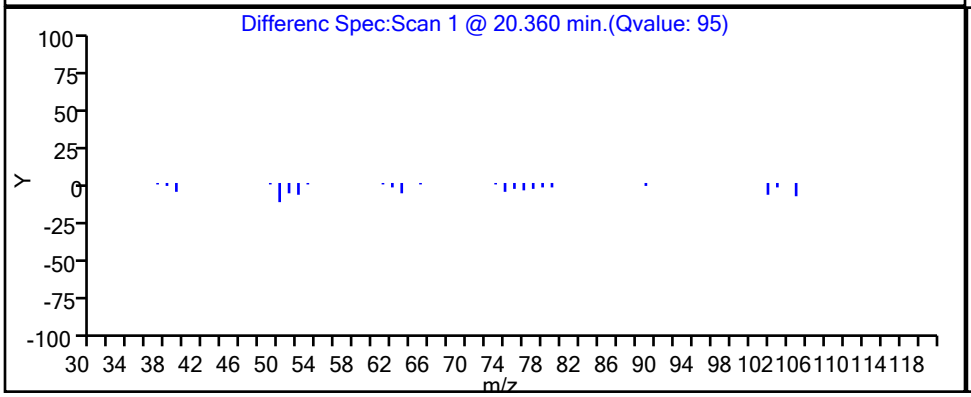


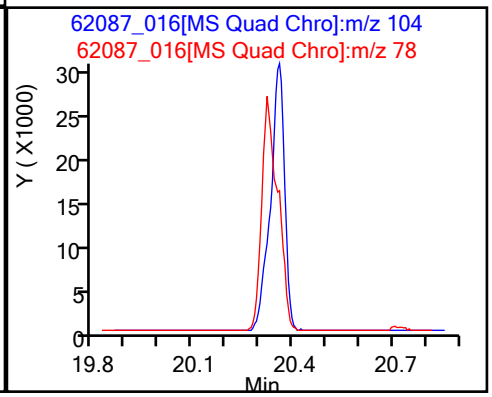












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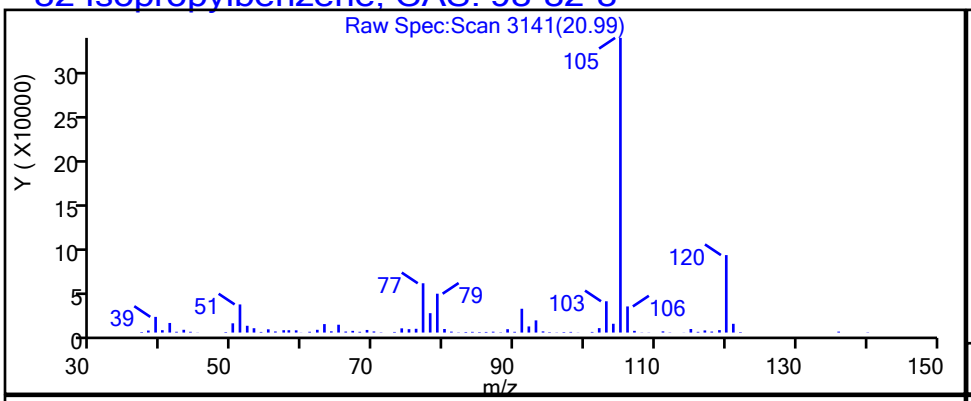
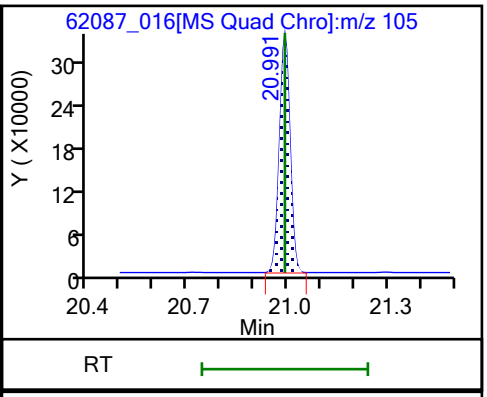
Eurofins Burlington

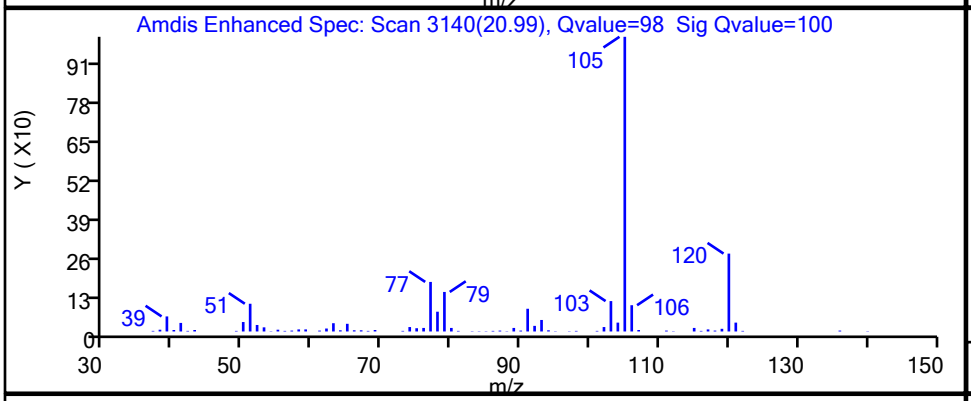
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

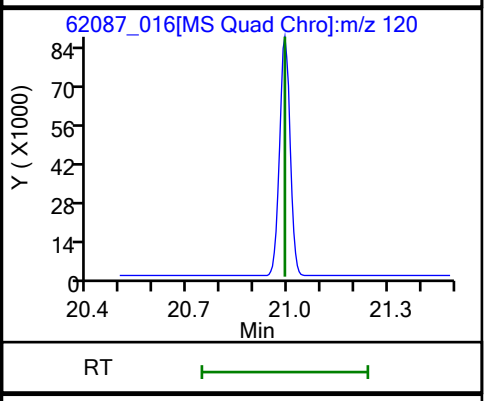
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

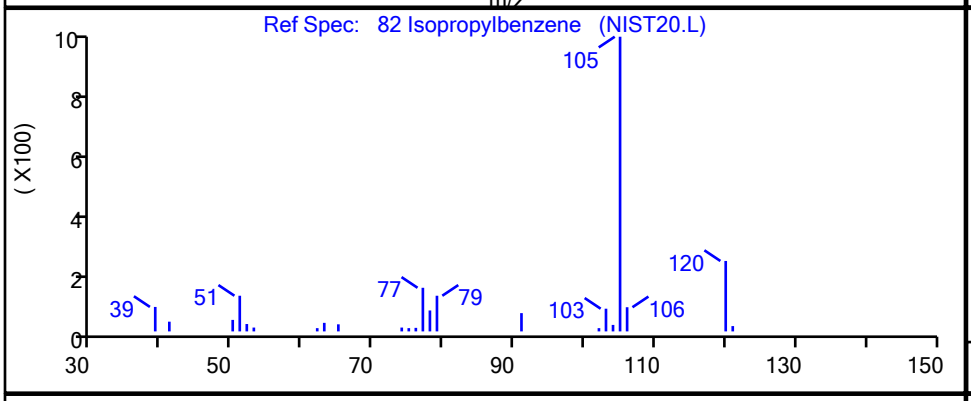
82 Isopropylbenzene, CAS: 98-82-8

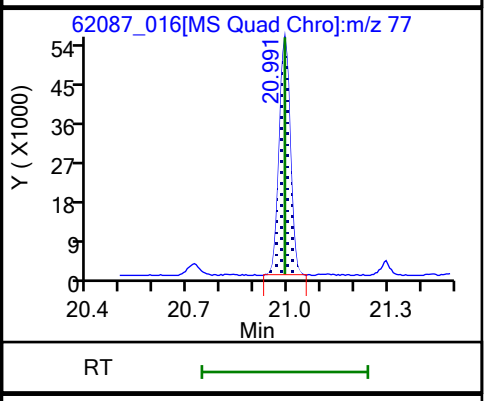


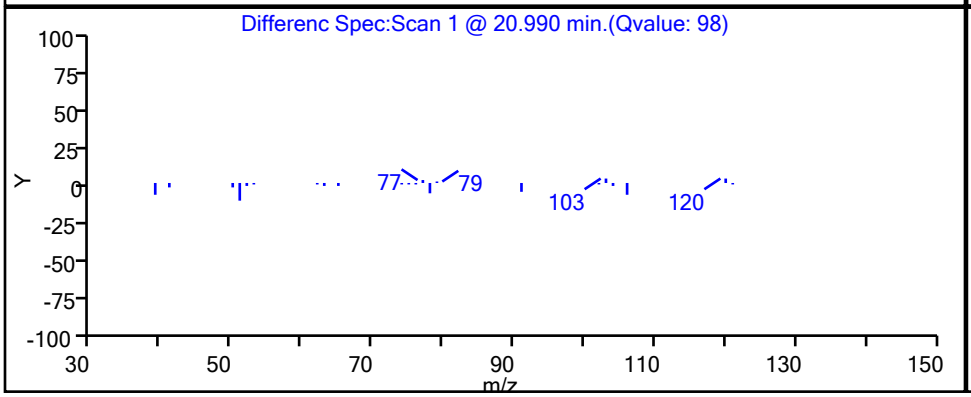


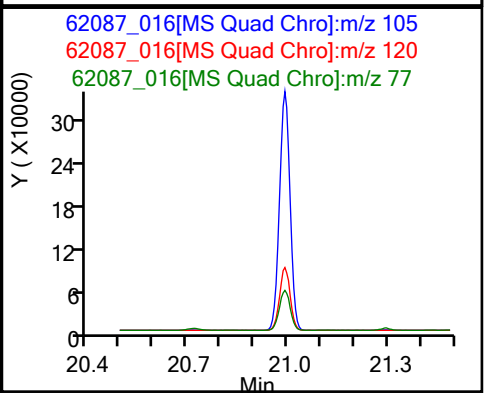












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Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date: 17-Sep-2024 20:19:02 Instrument ID: CHAM.i

Lims ID: 200-75119-A-1 Lab Sample ID: 200-75119-1

Client ID: RXSV-8

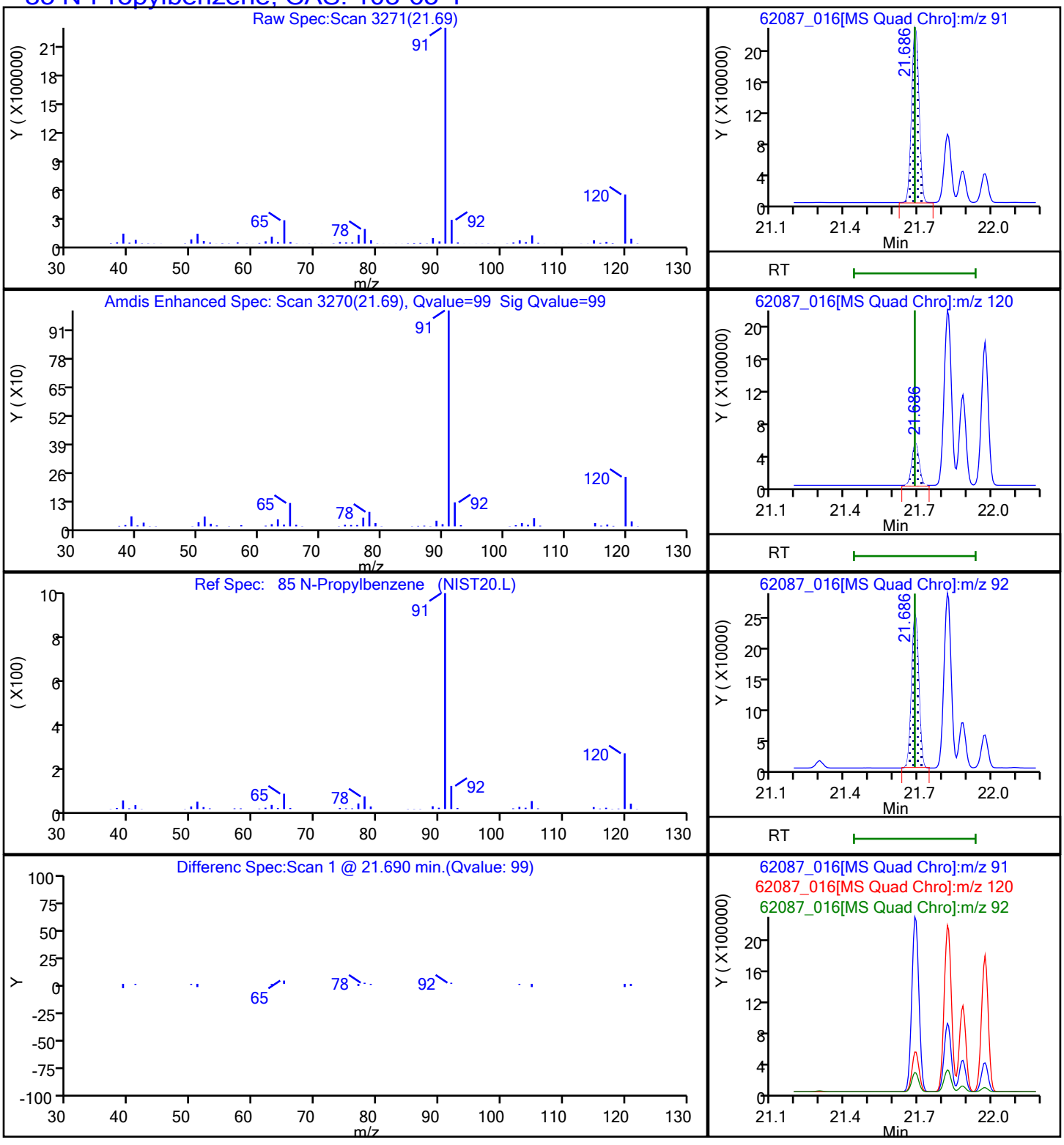
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 16

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

85 N-Propylbenzene, CAS: 103-65-1



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Eurofins Burlington

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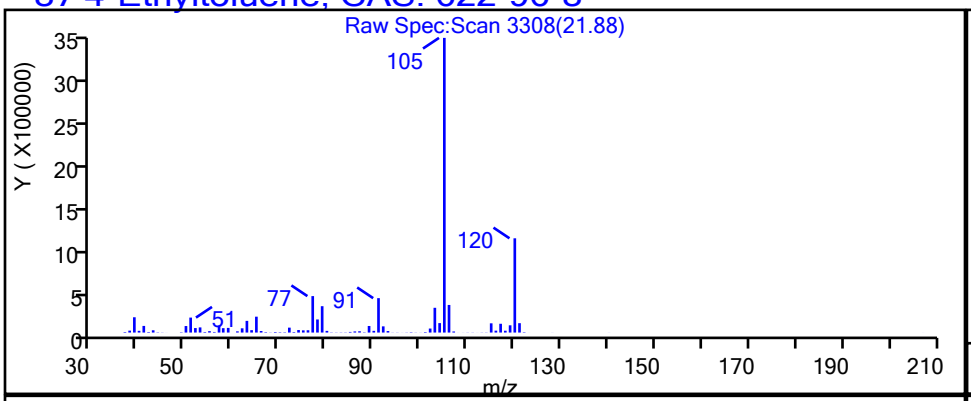
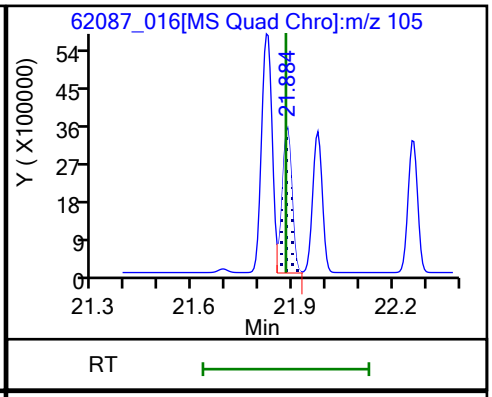
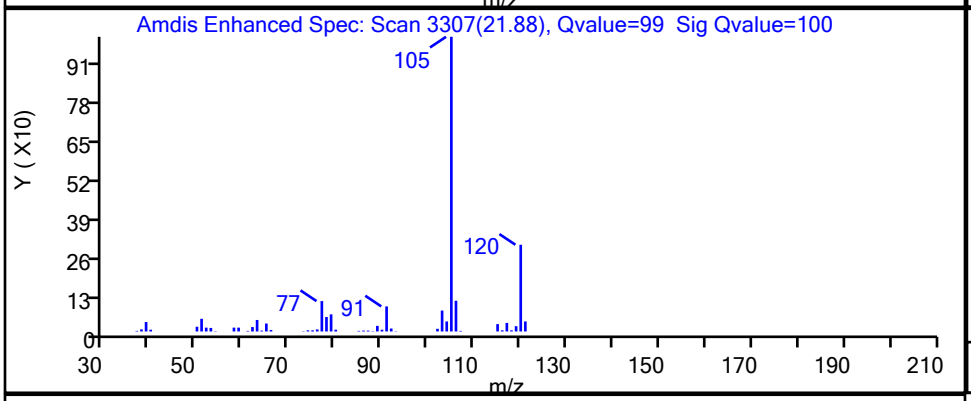
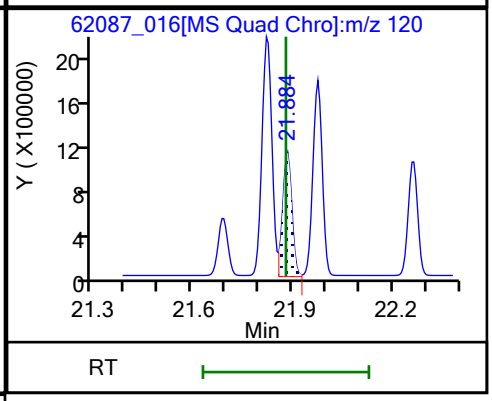
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

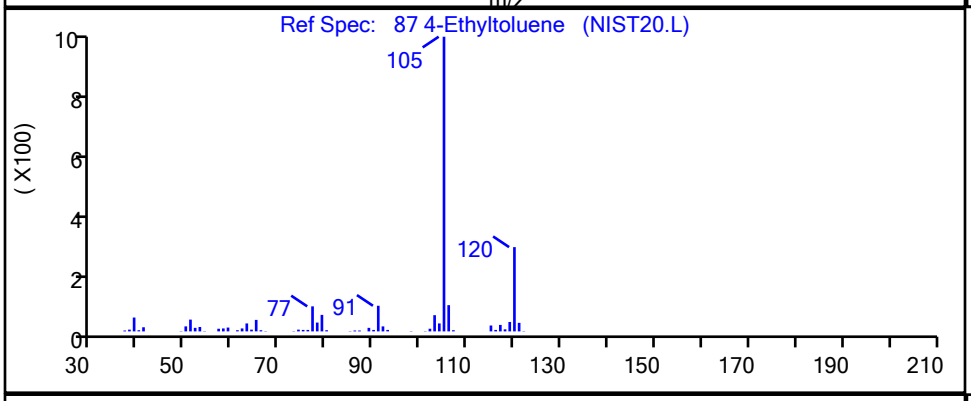
87 4-Ethyltoluene, CAS: 622-96-8

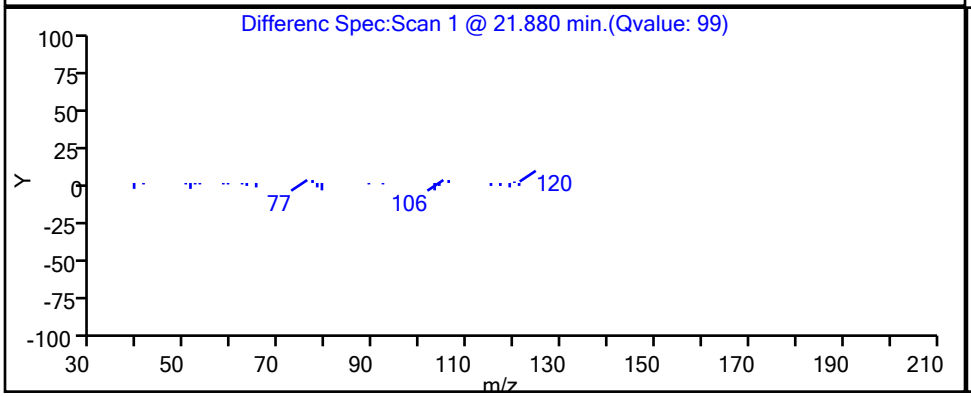


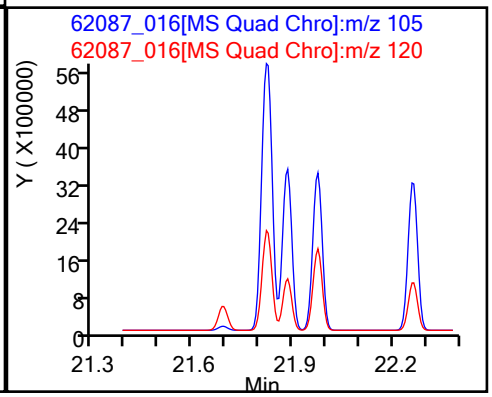












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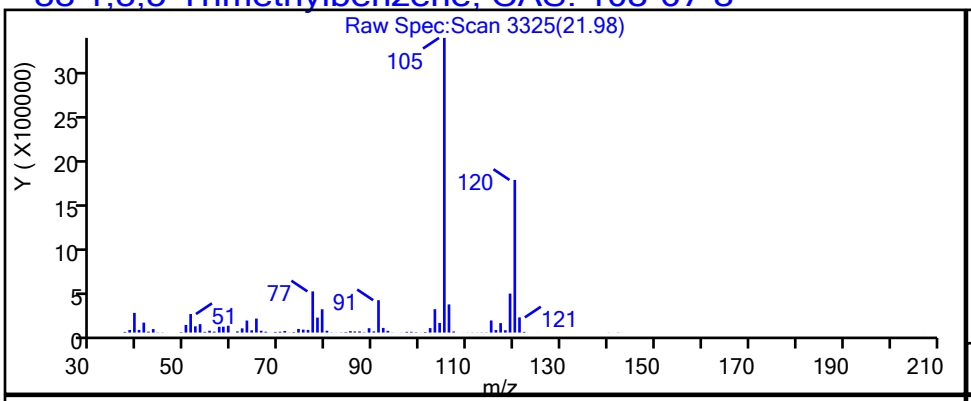
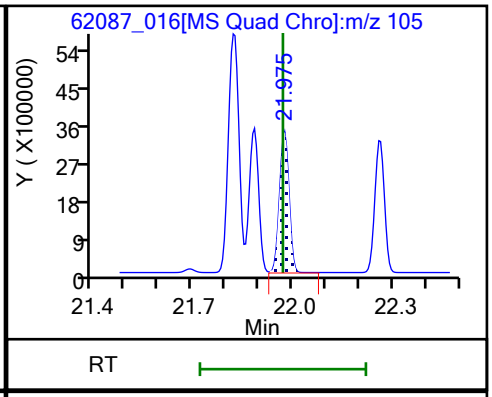
Eurofins Burlington

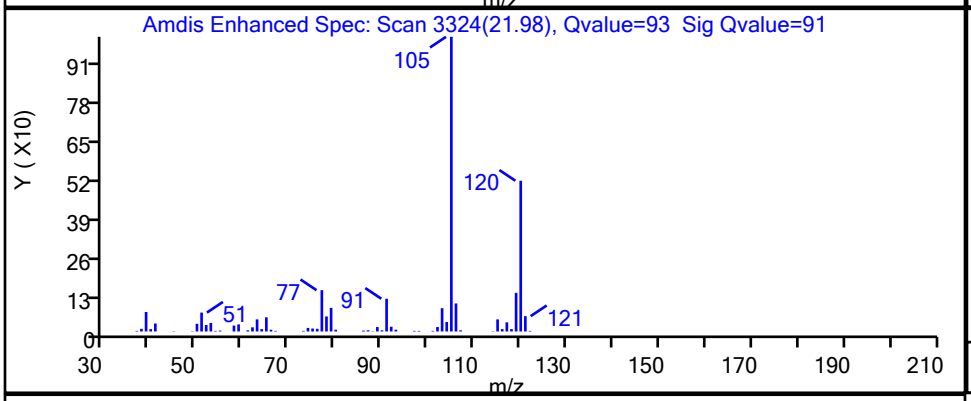
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

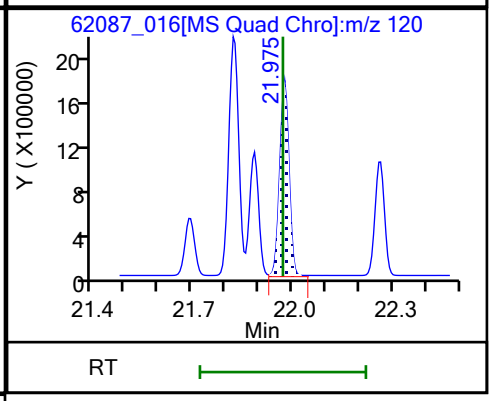
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

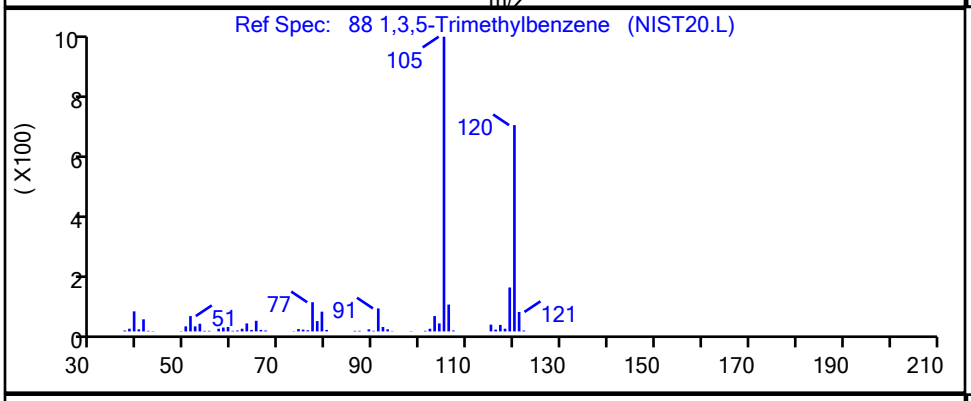
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

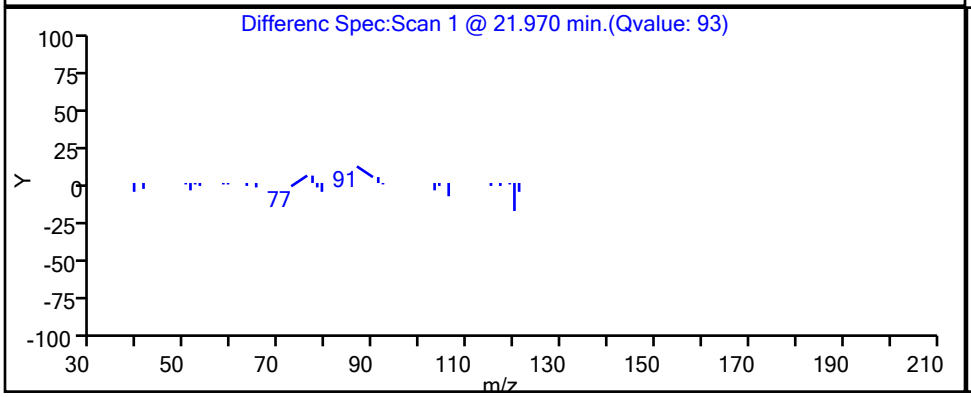


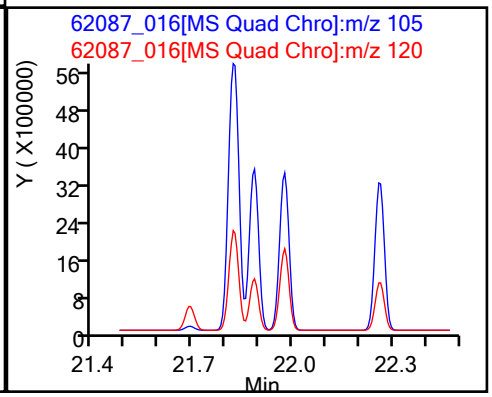












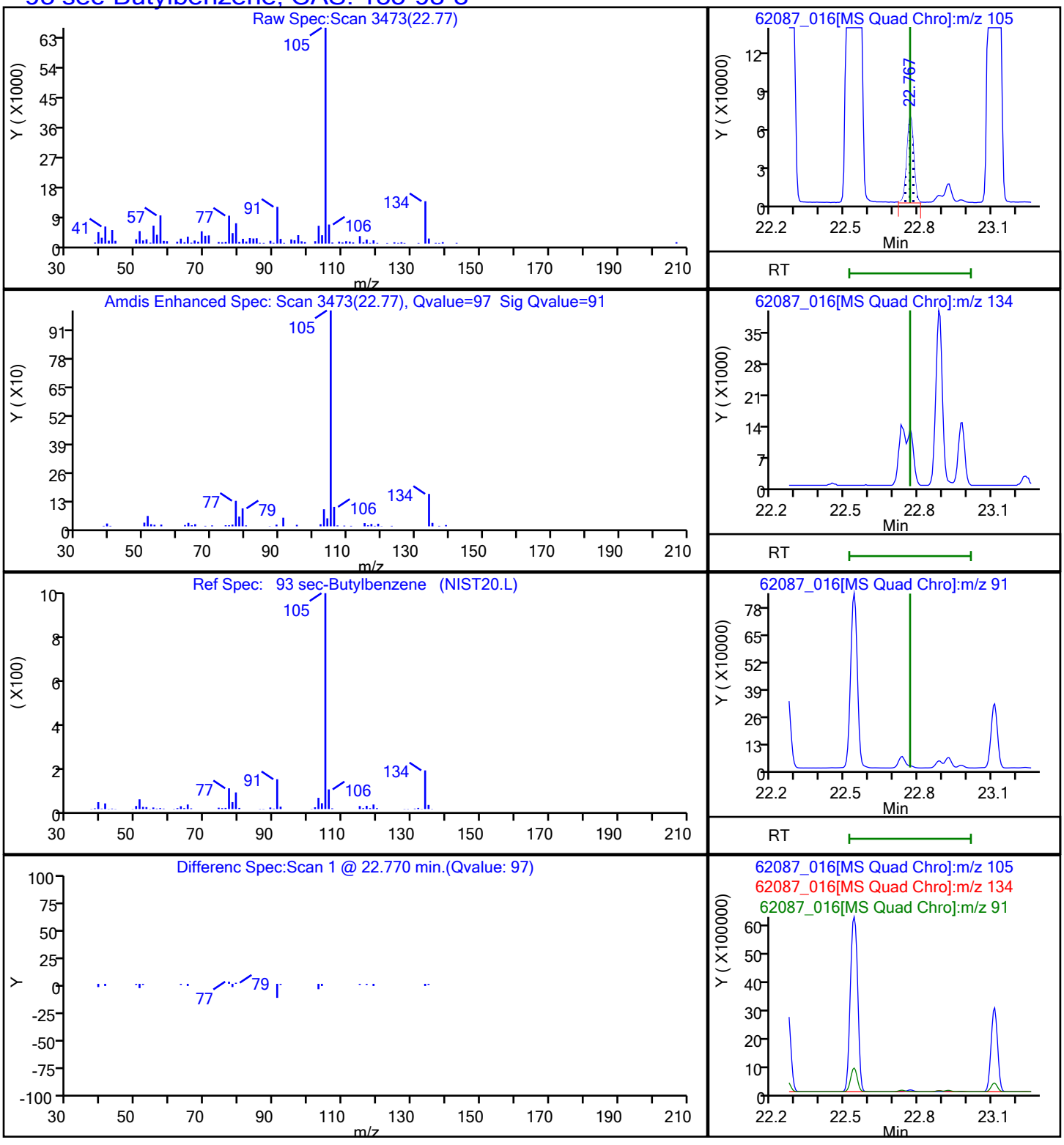
Report Date: 18-Sep-2024 09:36:44 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8



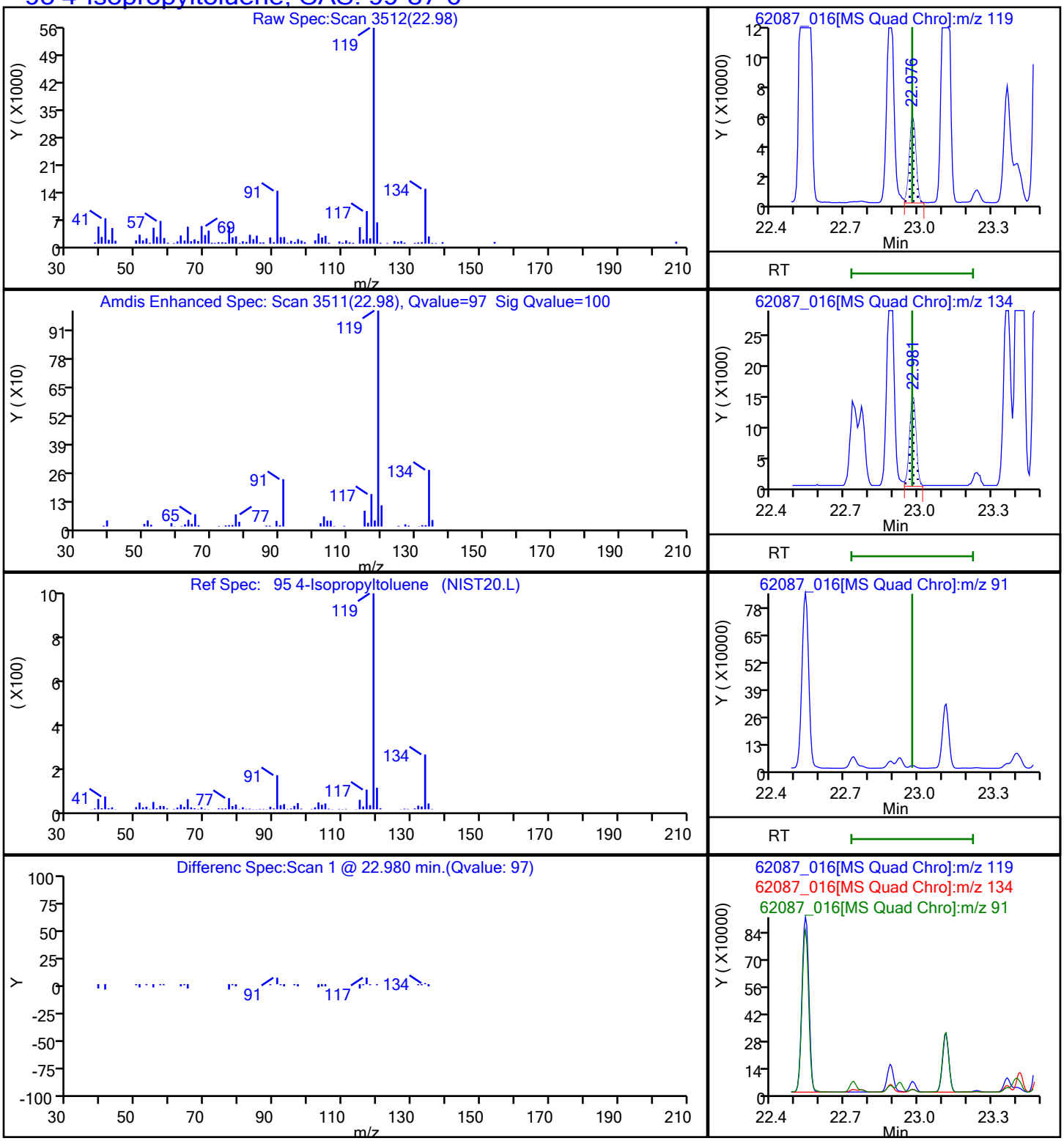
Report Date: 18-Sep-2024 09:36:44 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

95 4-Isopropyltoluene, CAS: 99-87-6



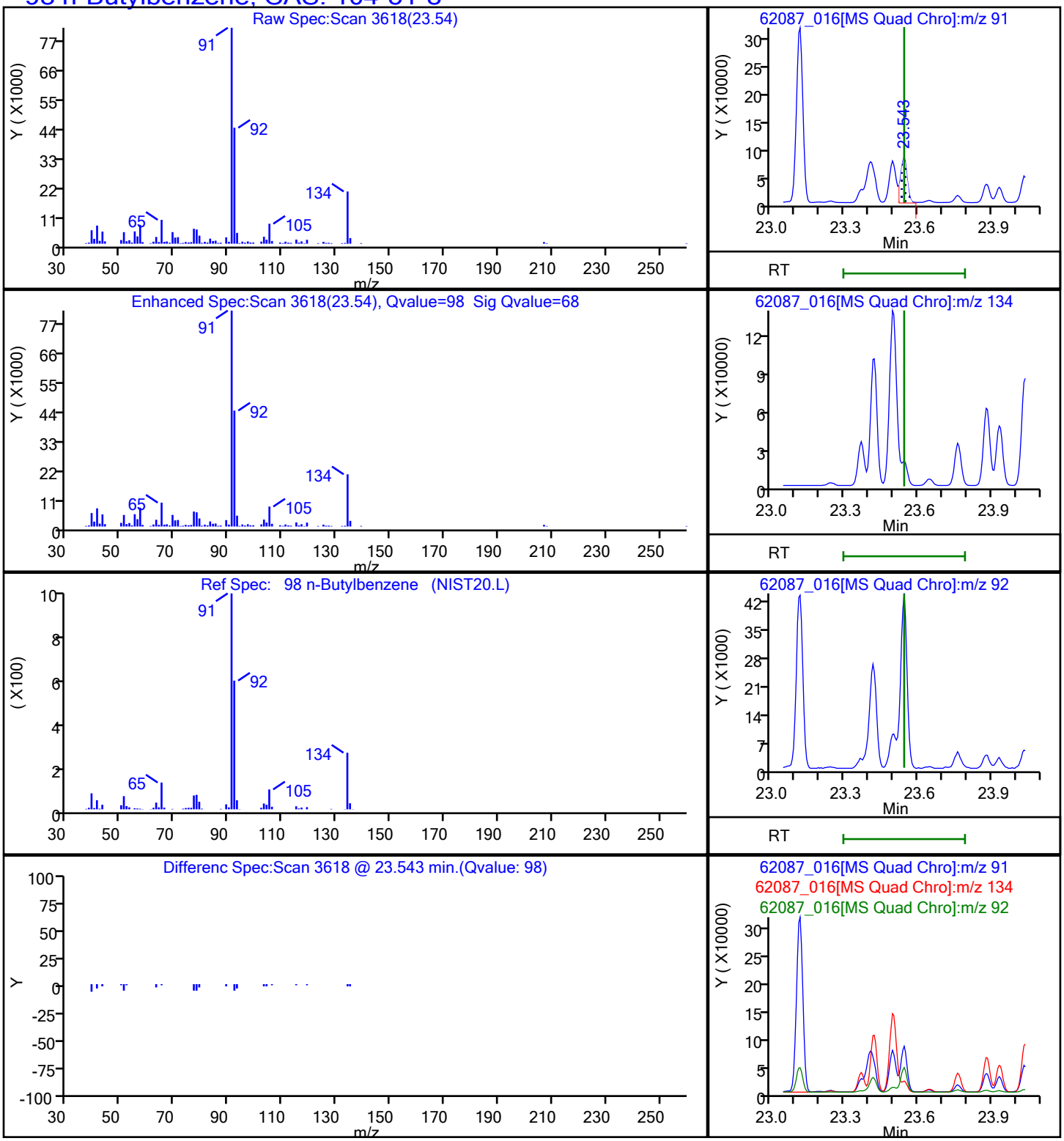
Report Date: 18-Sep-2024 09:36:44 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D

Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 n-Butylbenzene, CAS: 104-51-8

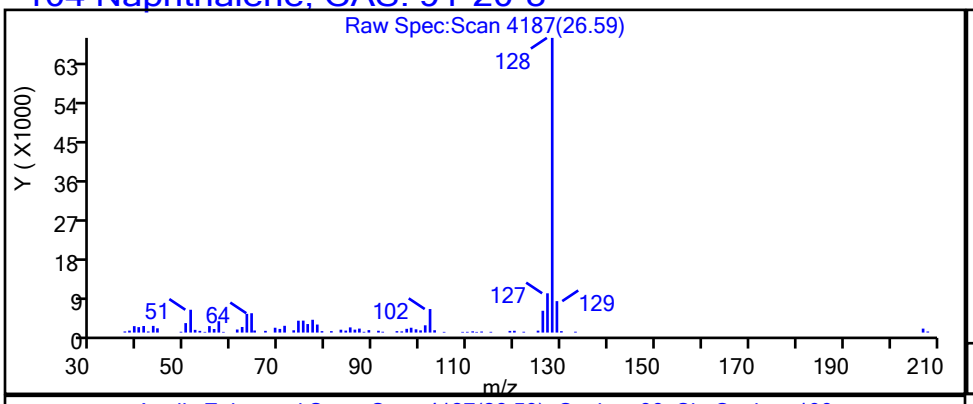


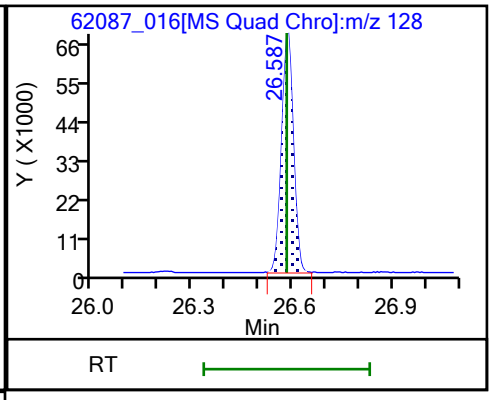
Report Date: 18-Sep-2024 09:36:44 Chrom Revision: 2.3 26-Aug-2024 17:14:48

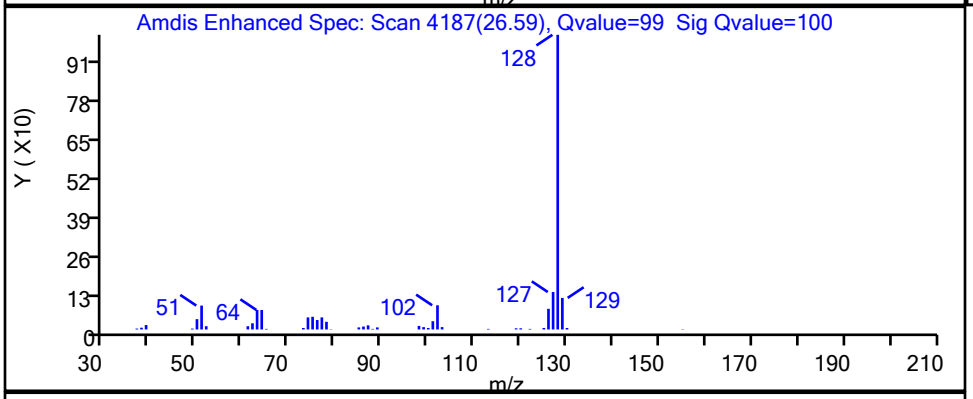
Eurofins Burlington

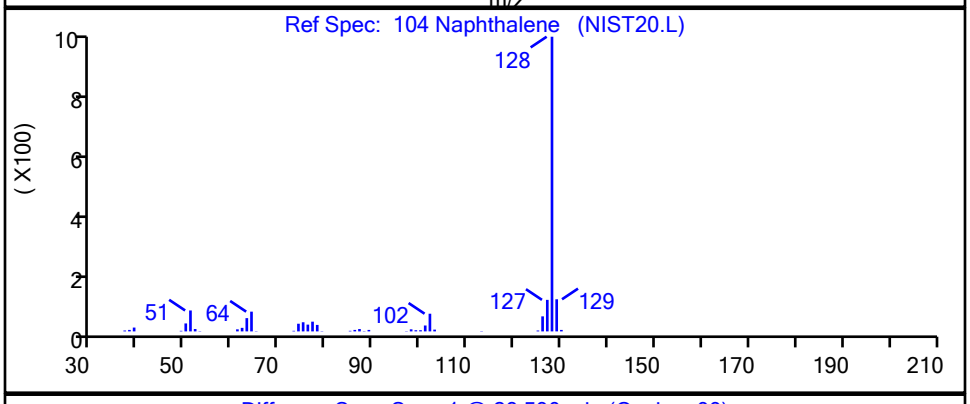
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

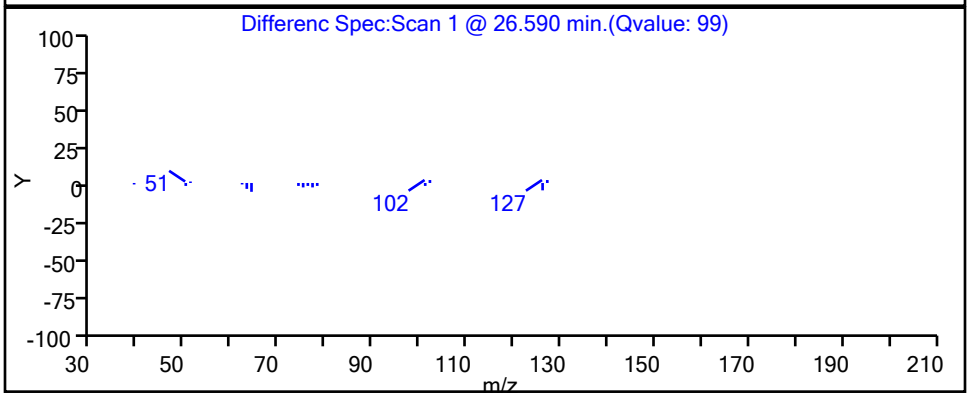
104 Naphthalene, CAS: 91-20-3











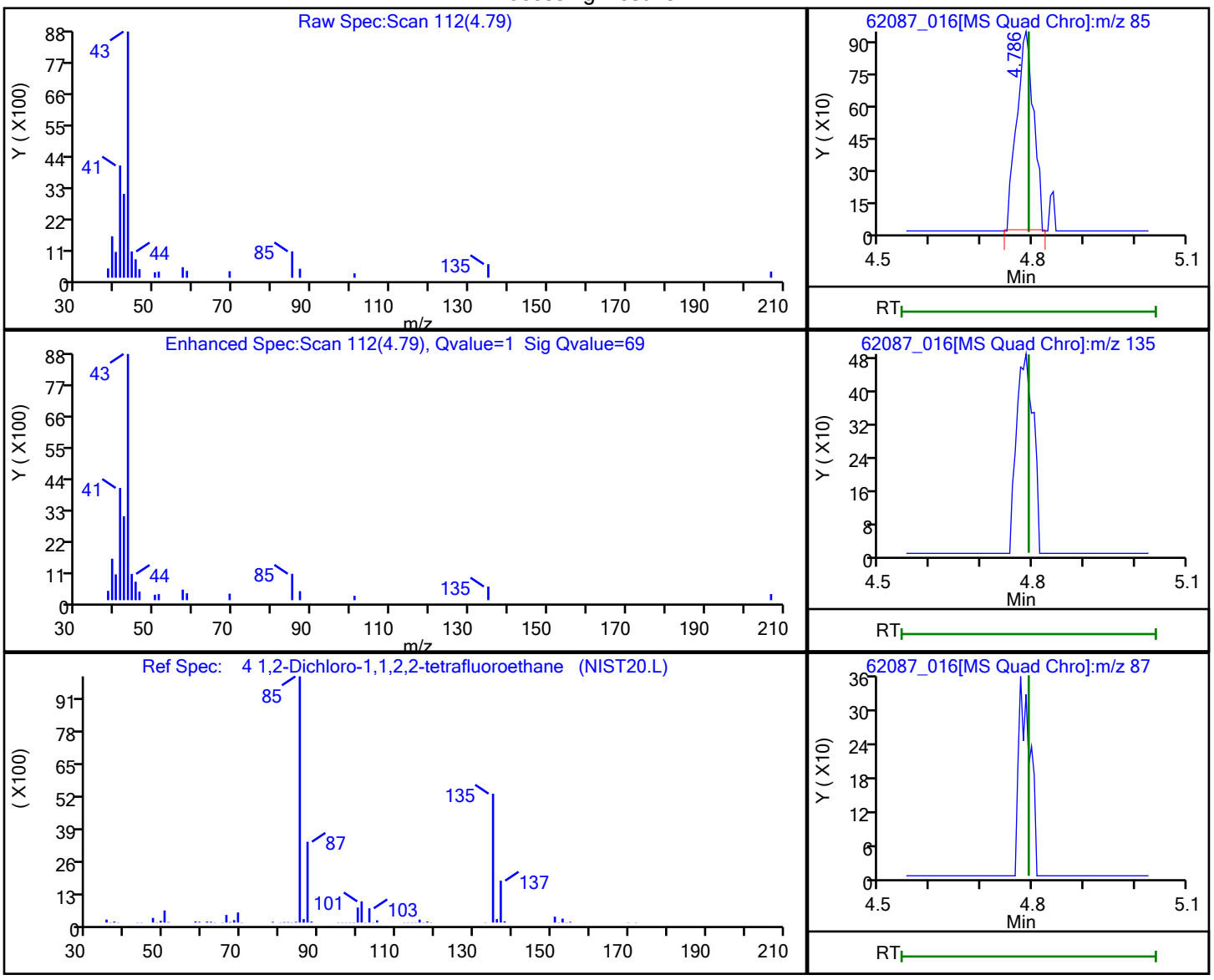
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
4.79	85.00	2166	0.016875
4.79	135.00	0	
4.79	87.00	0	

Reviewer: F7XK, 18-Sep-2024 09:30:37 07:00:00 (UTC)

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

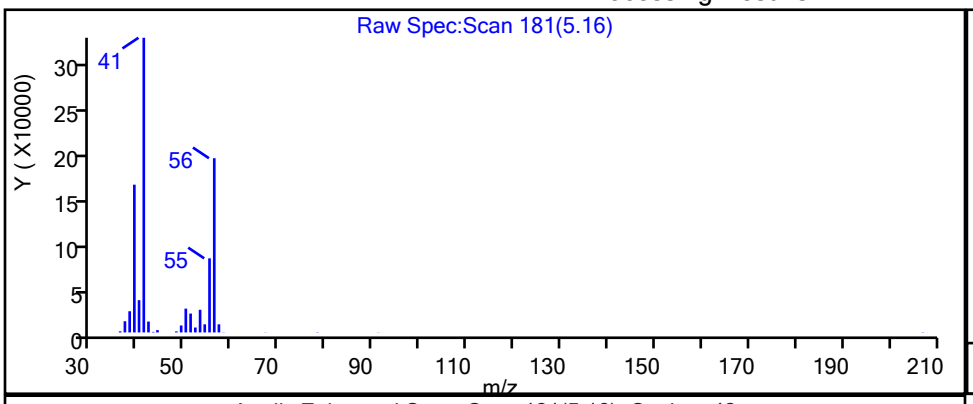
User Disabled Compound Report

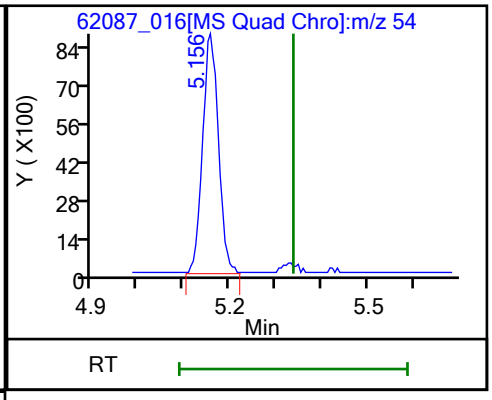
Eurofins Burlington

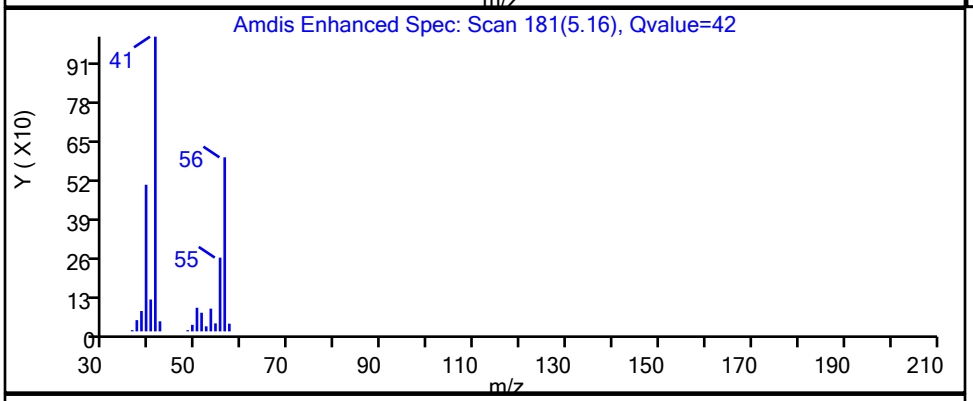
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

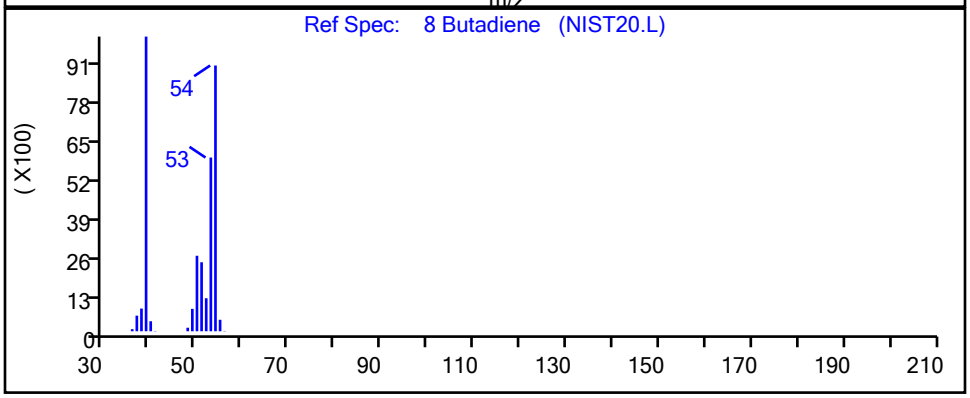
8 Butadiene, CAS: 106-99-0

Processing Results









RT	Mass	Response	Amount
5.16	54.00	21183	0.600776

Reviewer: F7XK, 18-Sep-2024 09:30:47 07:00:00 (UTC)

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

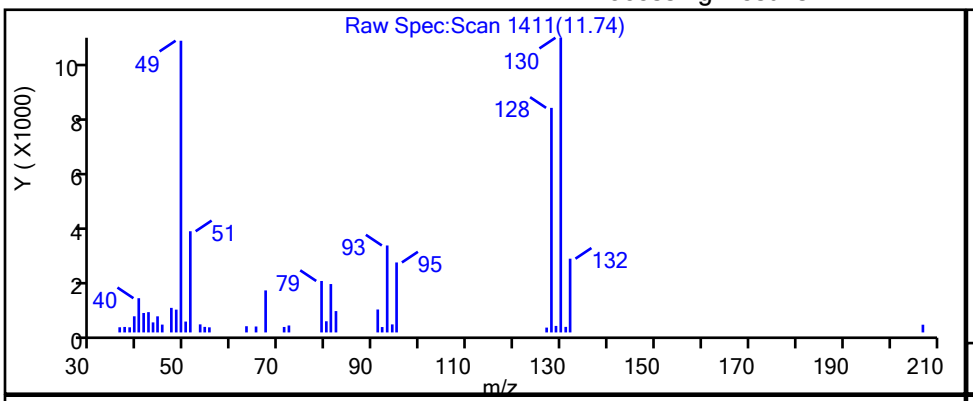
User Disabled Compound Report

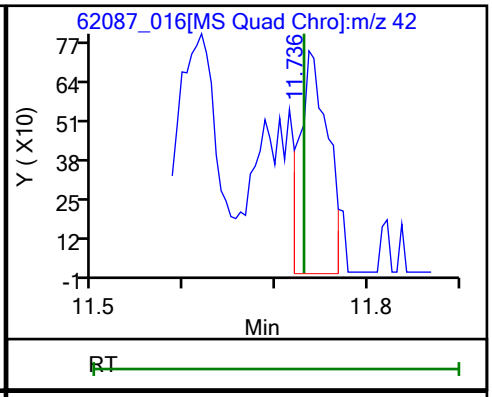
Eurofins Burlington

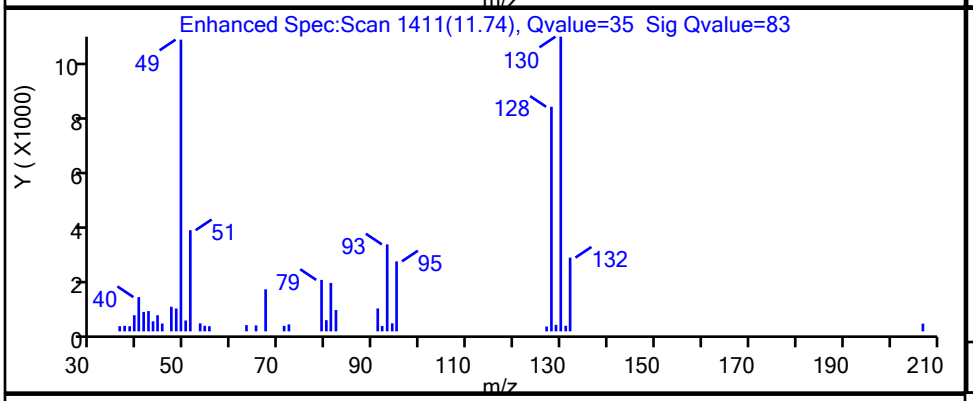
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

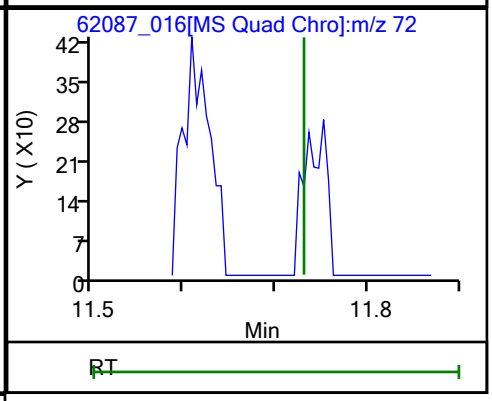
40 Tetrahydrofuran, CAS: 109-99-9

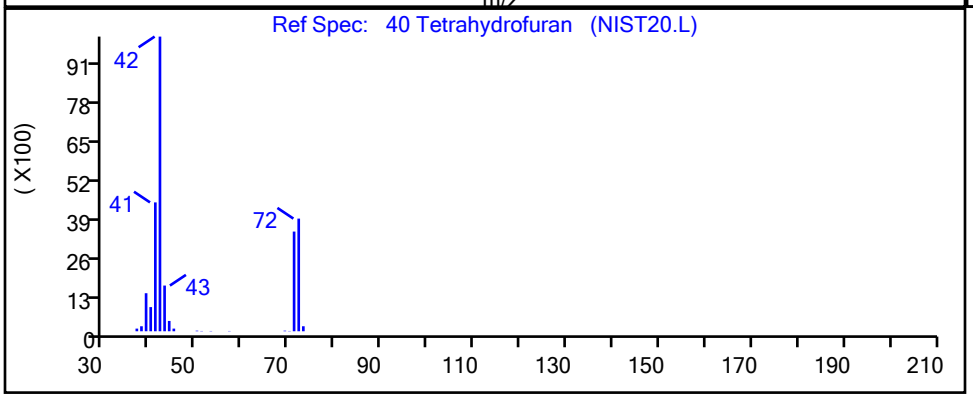
Processing Results











RT	Mass	Response	Amount
11.74	42.00	1589	0.030480
11.73	72.00	0	

Reviewer: F7XK, 18-Sep-2024 09:31:50 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

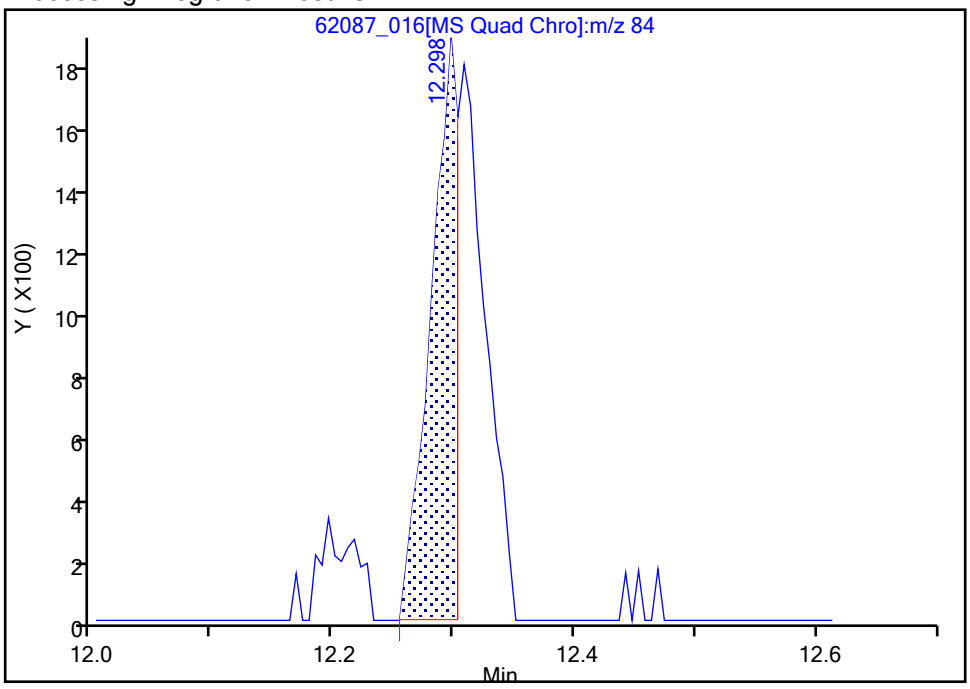
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

Signal: 1

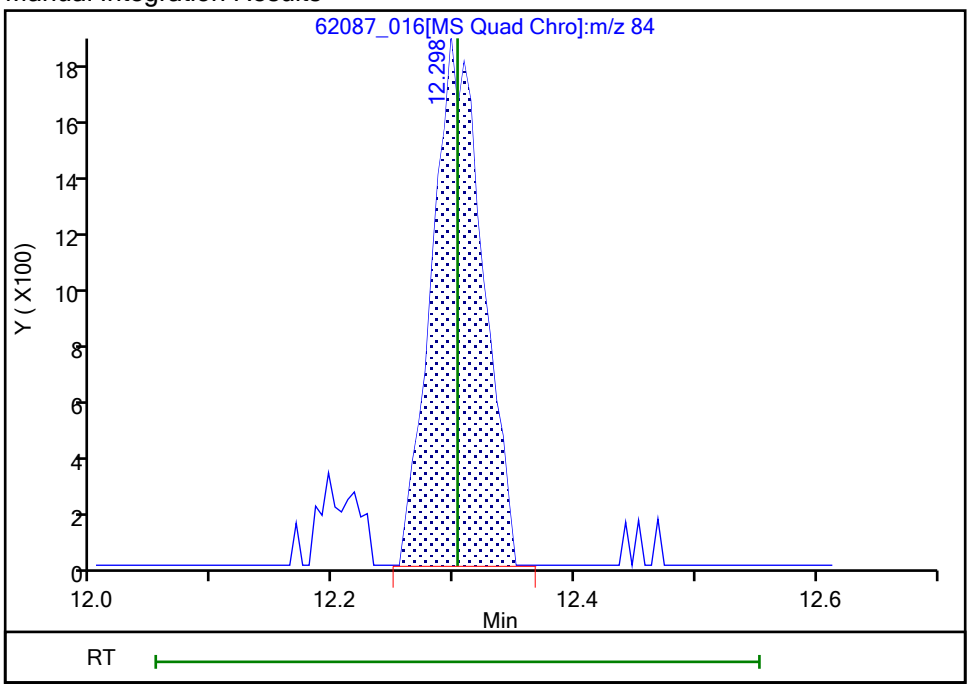
Processing Integration Results

RT: 12.30
Area: 3004
Amount: 0.043709
Amount Units: ppb v/v



Manual Integration Results

RT: 12.30
Area: 5539
Amount: 0.080593
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 09:32:04 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

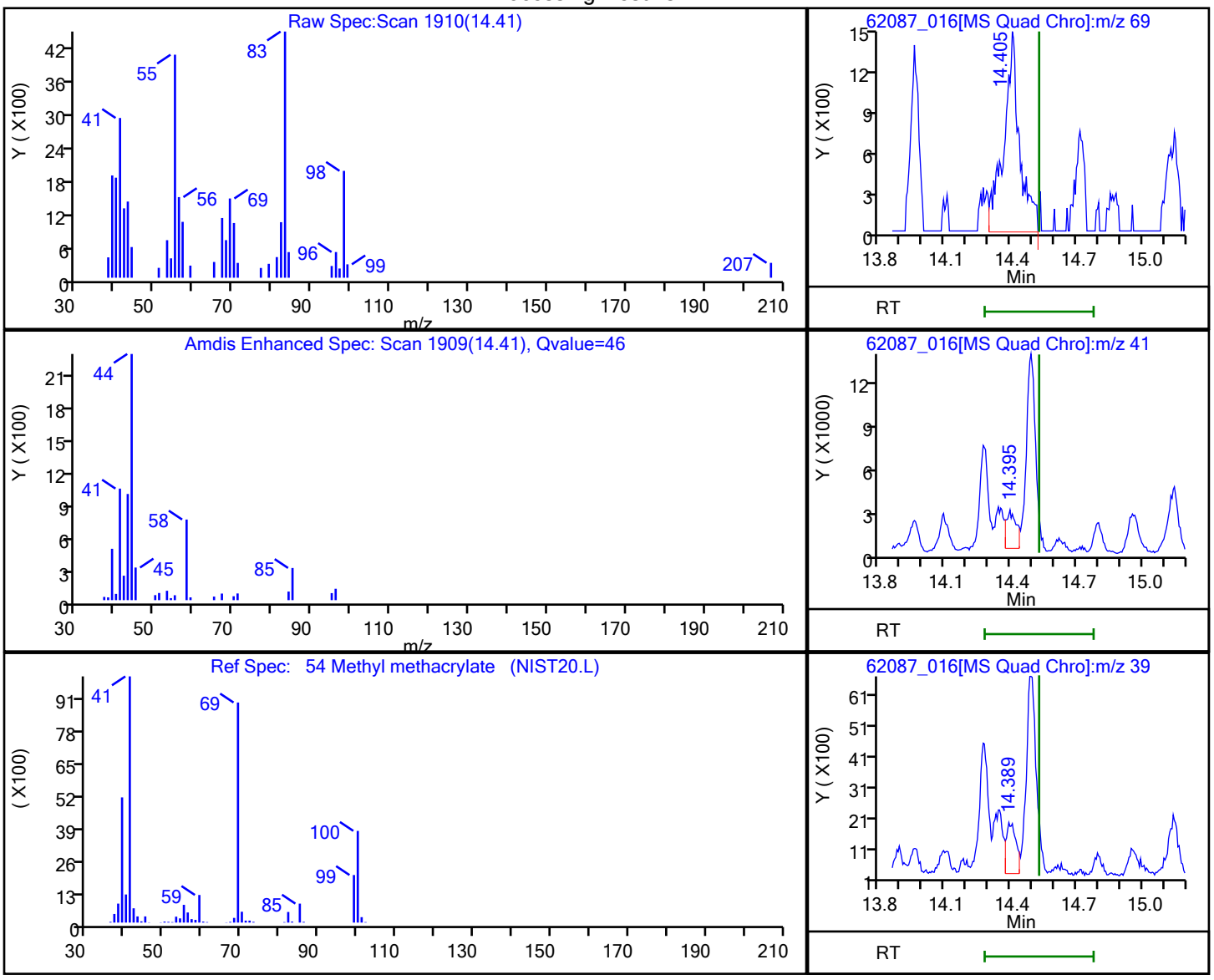
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.41	69.00	7179	0.127872
14.39	41.00	8434	
14.39	39.00	5095	

Reviewer: F7XK, 18-Sep-2024 09:32:38 07:00:00 (UTC)

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

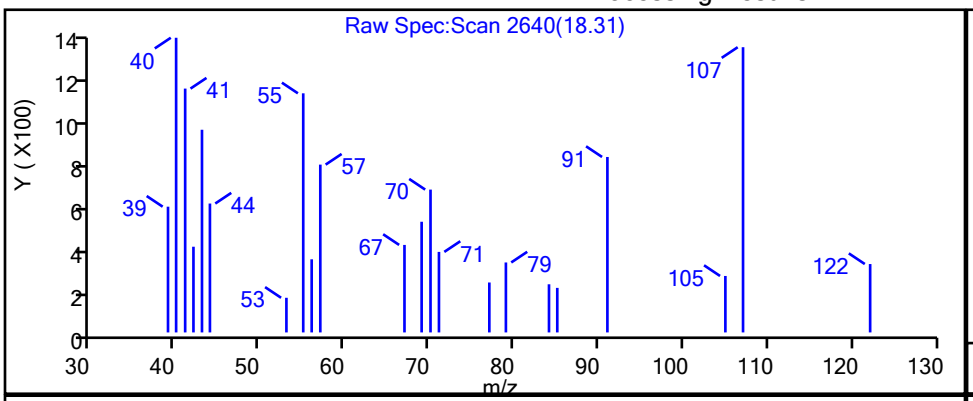
User Disabled Compound Report

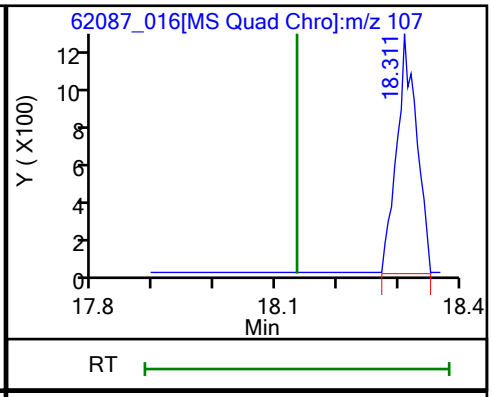
Eurofins Burlington

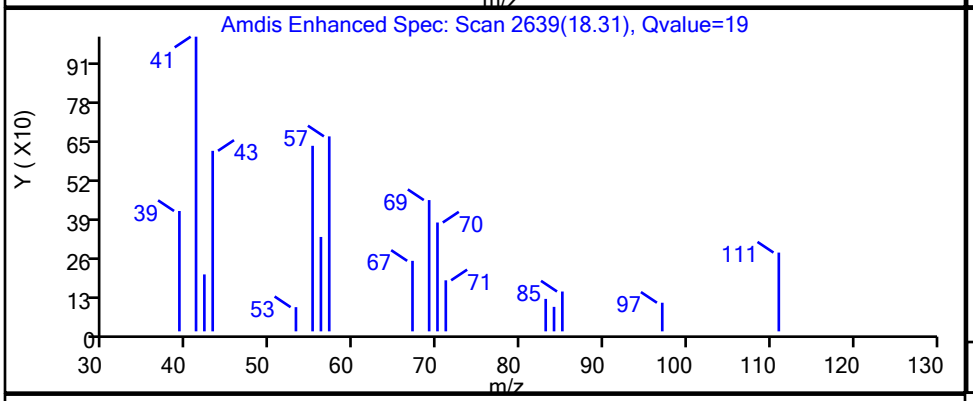
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

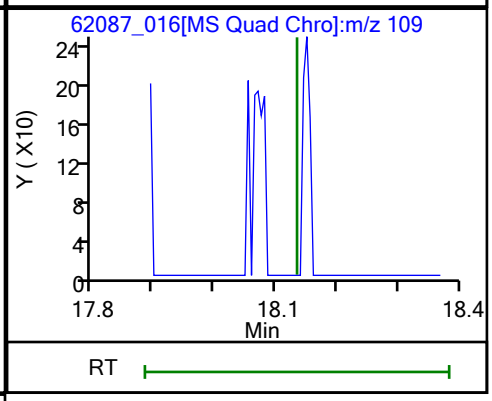
71 Ethylene Dibromide, CAS: 106-93-4

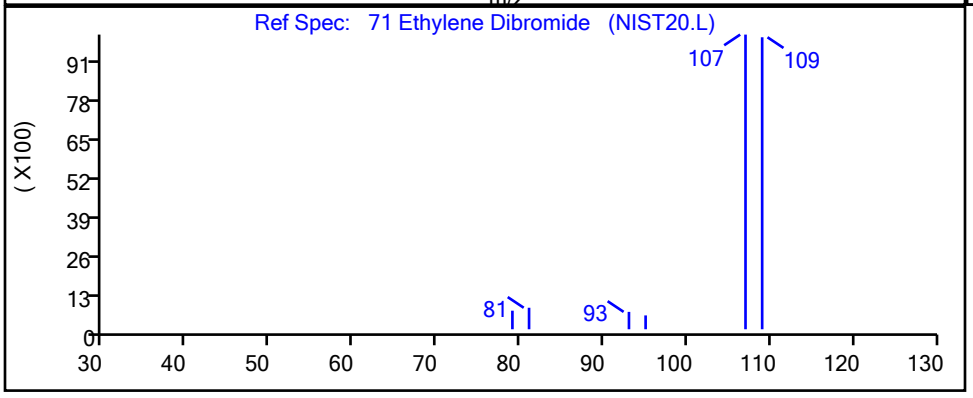
Processing Results











RT	Mass	Response	Amount
18.31	107.00	2864	0.026361
18.13	109.00	0	

Reviewer: F7XK, 18-Sep-2024 09:33:11 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

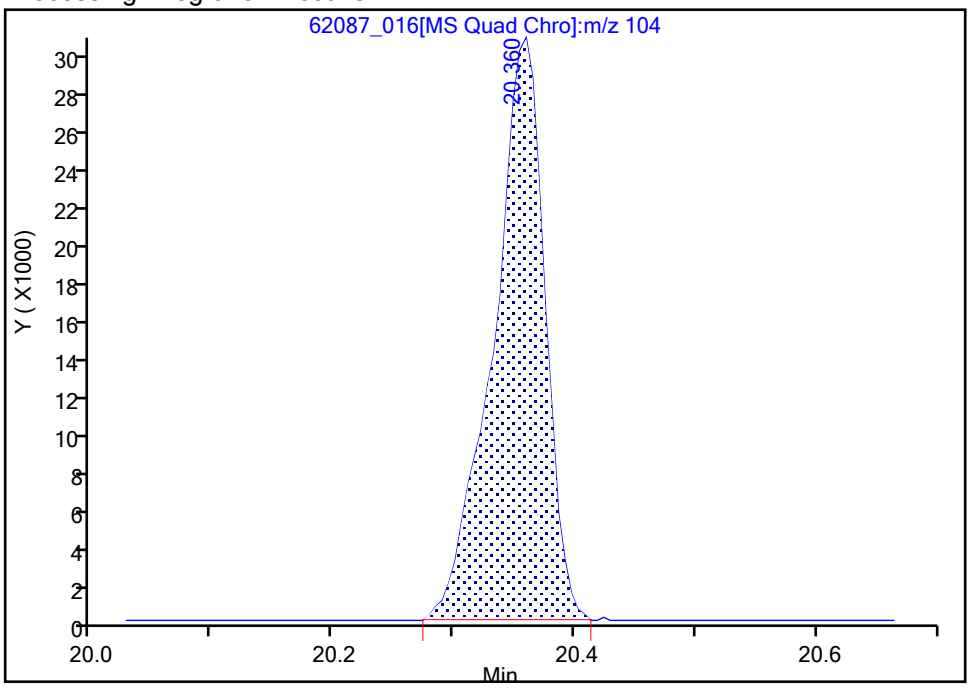
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Styrene, CAS: 100-42-5

Signal: 1

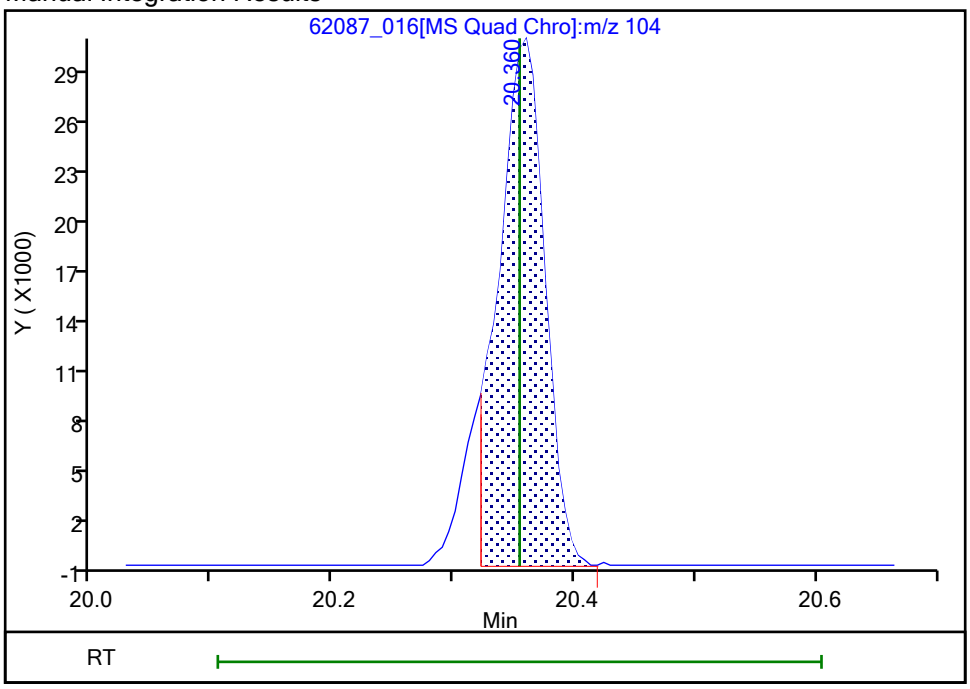
Processing Integration Results

RT: 20.36
Area: 89065
Amount: 0.582989
Amount Units: ppb v/v



Manual Integration Results

RT: 20.36
Area: 80198
Amount: 0.524949
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 09:33:50 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

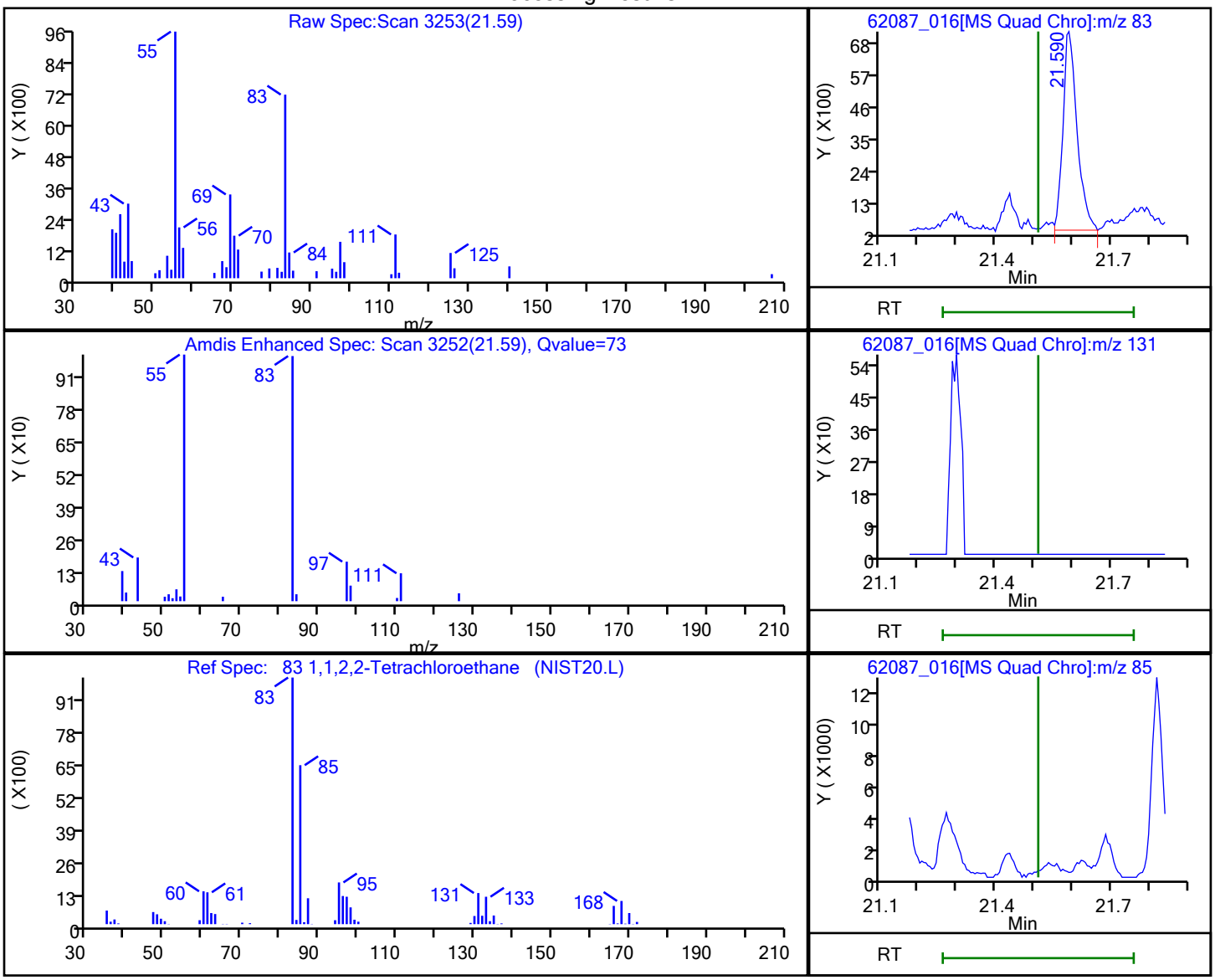
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.59	83.00	17699	0.116992
21.51	131.00	0	
21.51	85.00	0	

Reviewer: F7XK, 18-Sep-2024 09:34:00 07:00:00 (UTC)

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

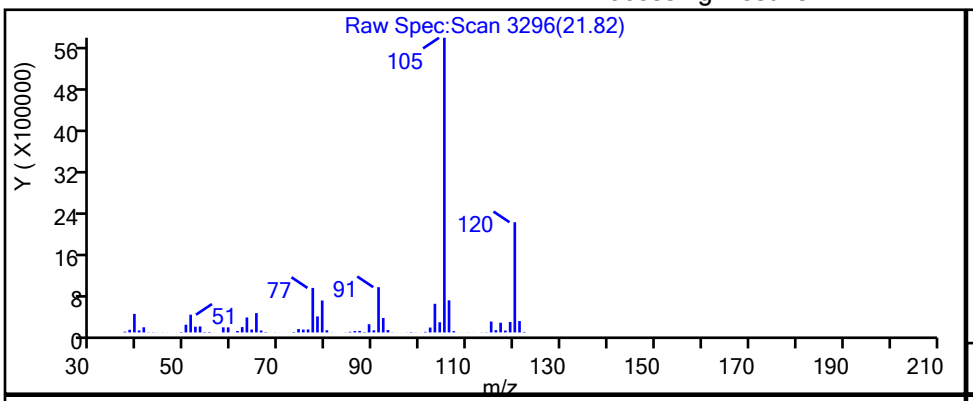
User Disabled Compound Report

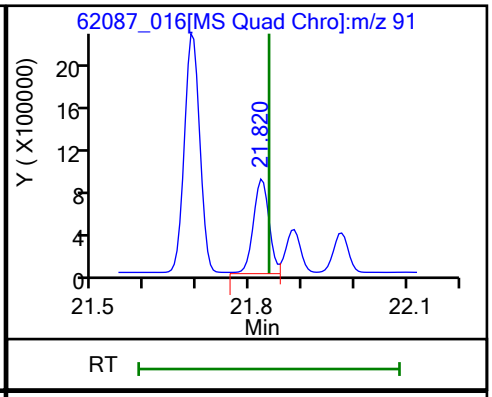
Eurofins Burlington

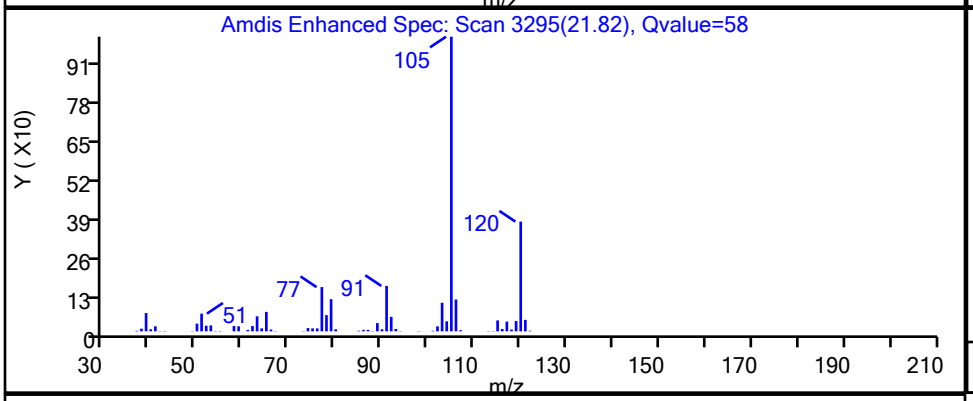
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

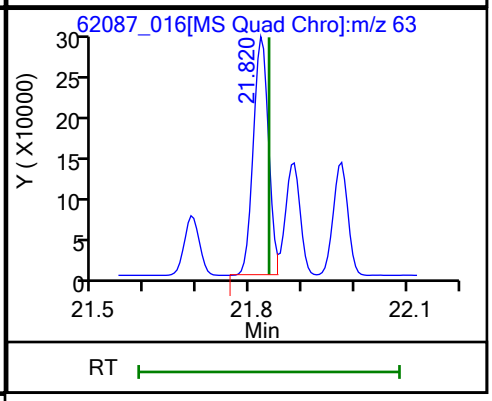
86 2-Chlorotoluene, CAS: 95-49-8

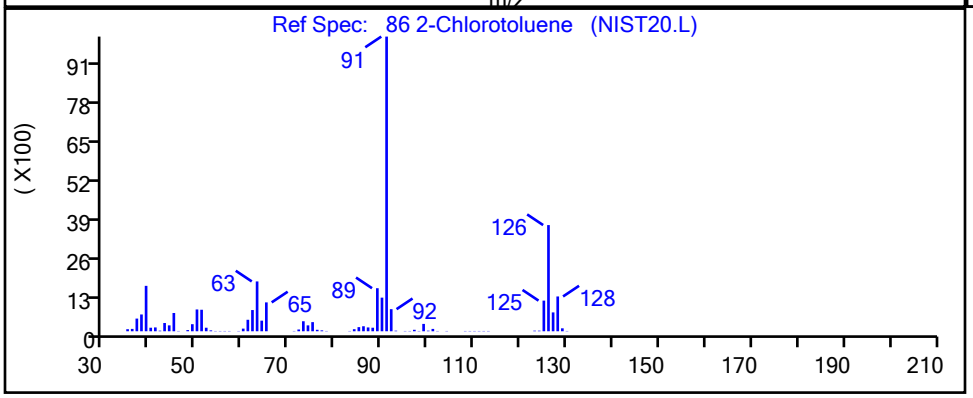
Processing Results











RT	Mass	Response	Amount
21.82	91.00	1817622	8.185950
21.82	63.00	592677	

Reviewer: F7XK, 18-Sep-2024 09:34:09 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

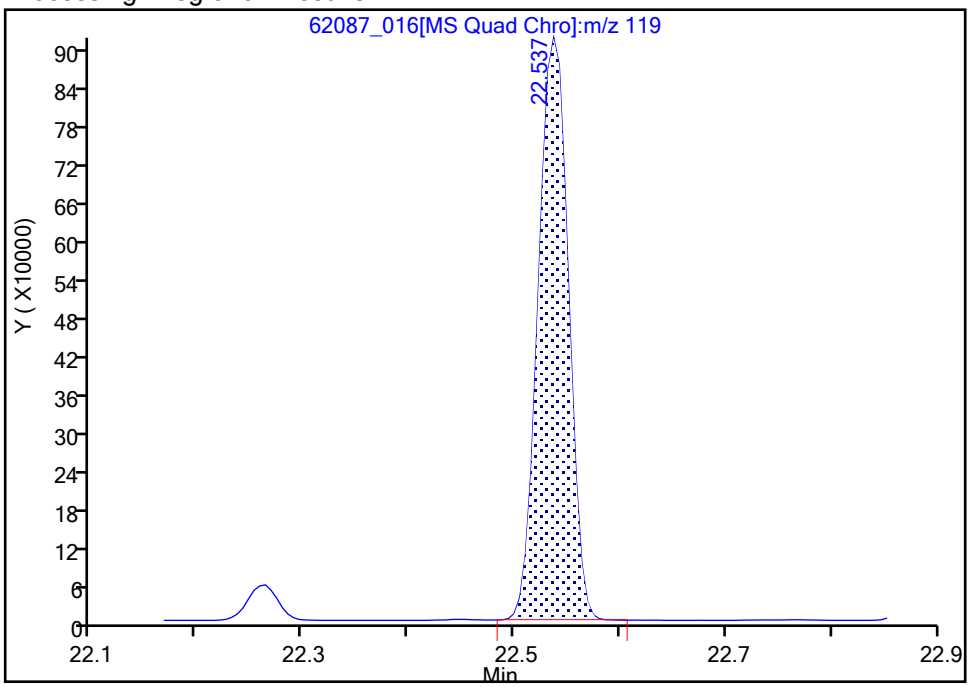
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

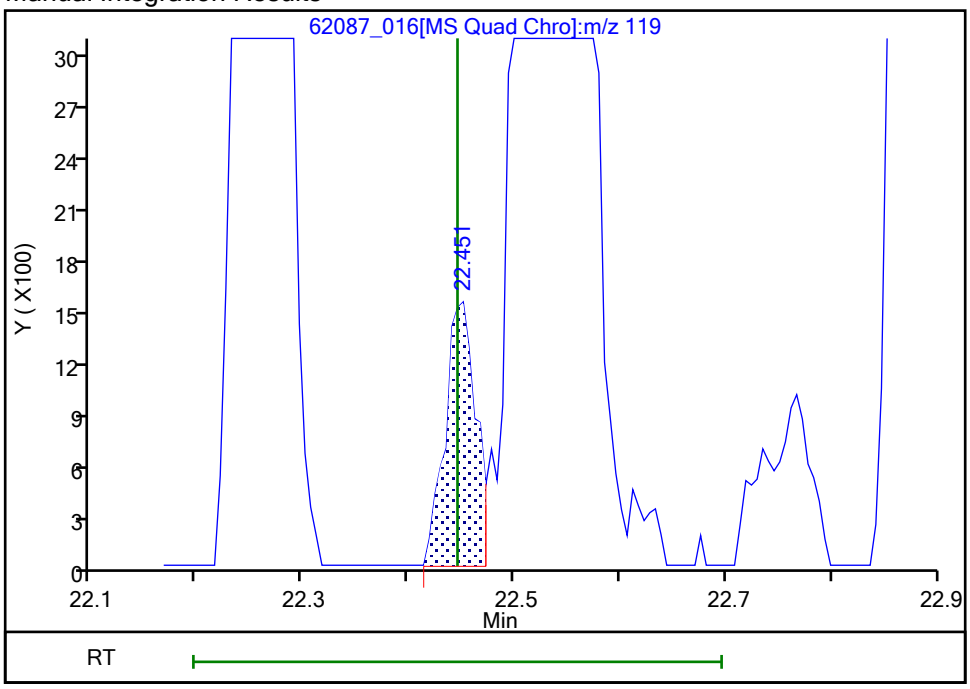
Processing Integration Results

RT: 22.54
Area: 1810336
Amount: 8.348958
Amount Units: ppb v/v



Manual Integration Results

RT: 22.45
Area: 3138
Amount: 0.014472
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 09:34:51 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

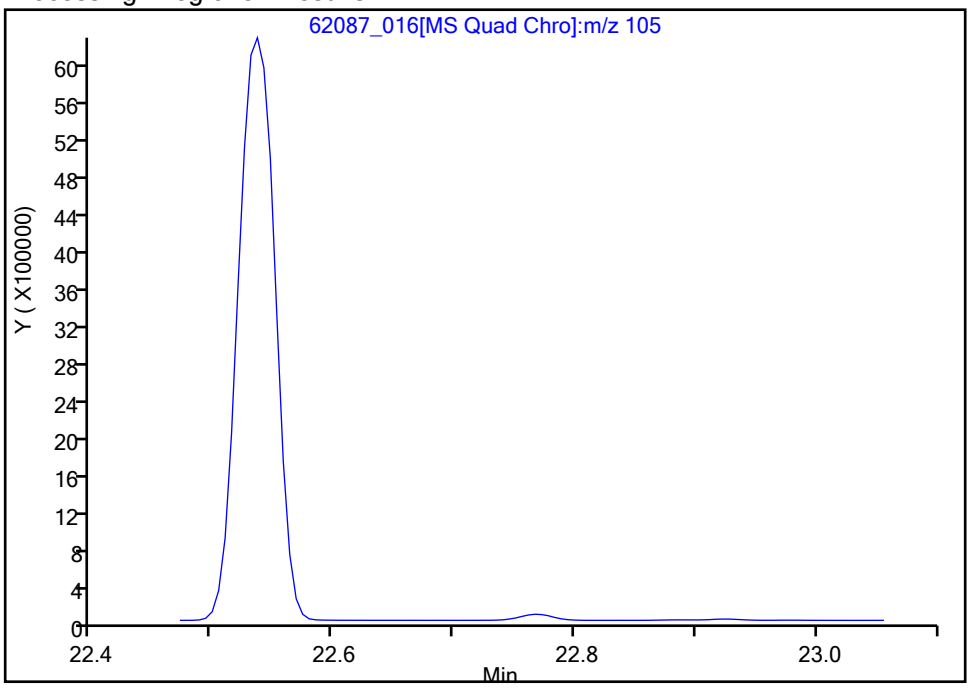
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

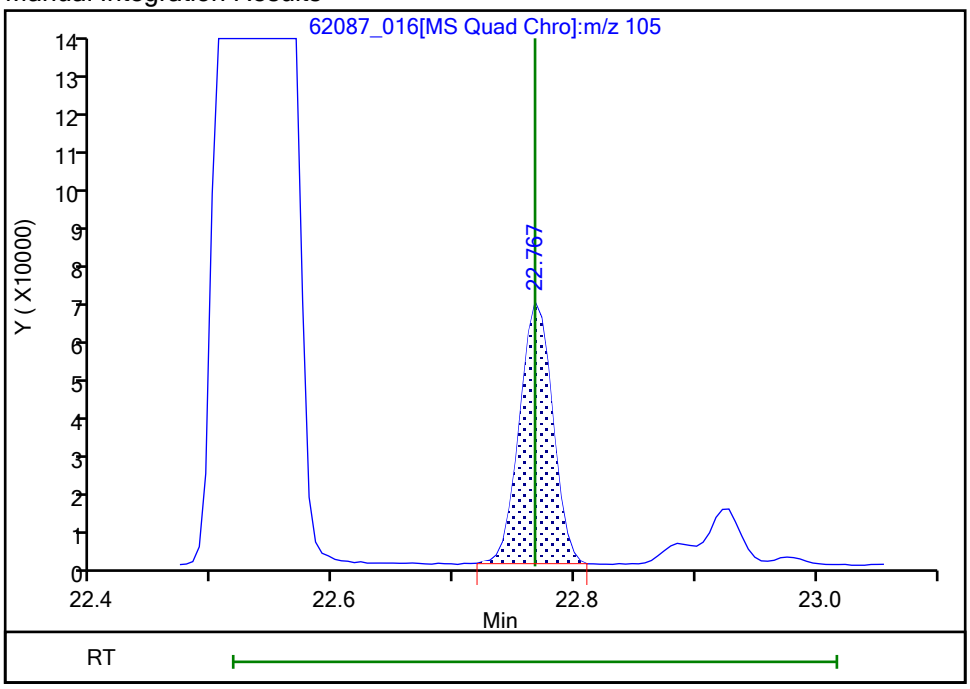
Not Detected
Expected RT: 22.77

Processing Integration Results



Manual Integration Results

RT: 22.77
Area: 123665
Amount: 0.378072
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 09:35:24 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

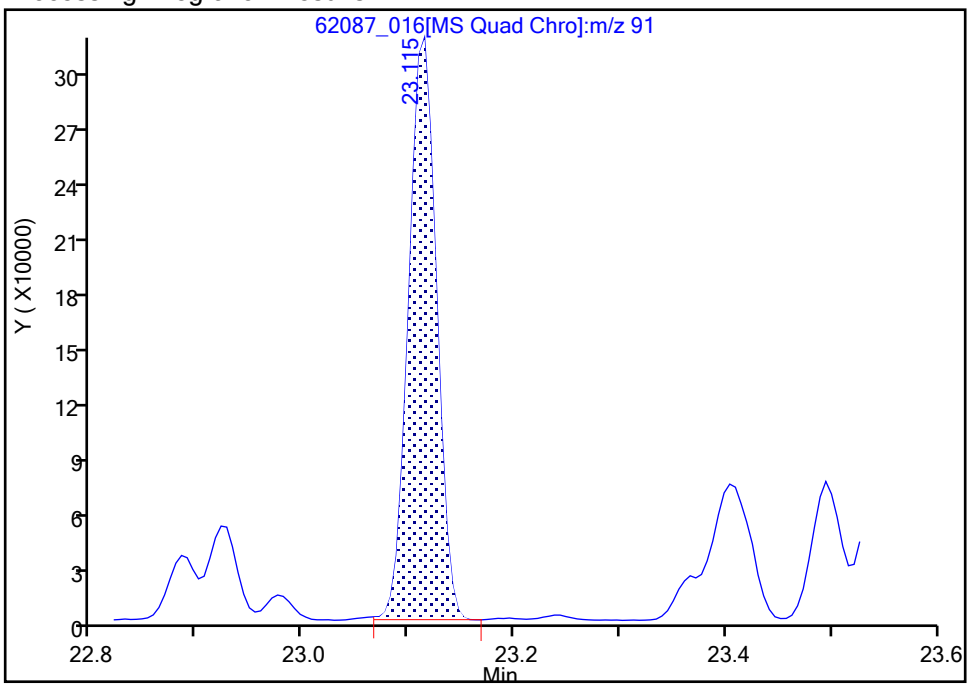
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Signal: 1

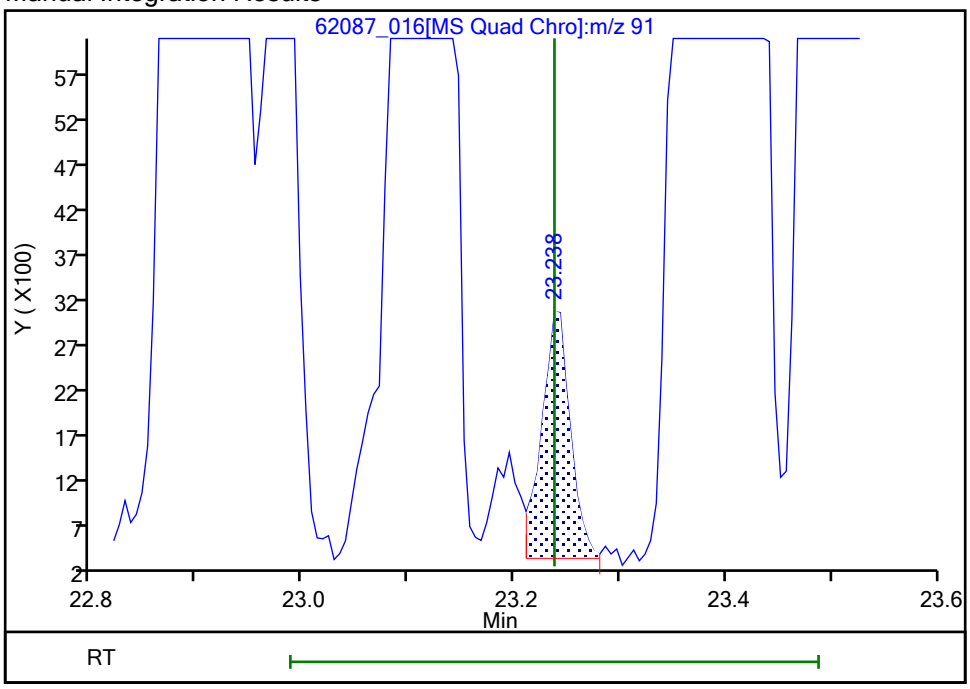
Processing Integration Results

RT: 23.11
Area: 568833
Amount: 2.887029
Amount Units: ppb v/v



Manual Integration Results

RT: 23.24
Area: 5137
Amount: 0.026072
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 09:36:02 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

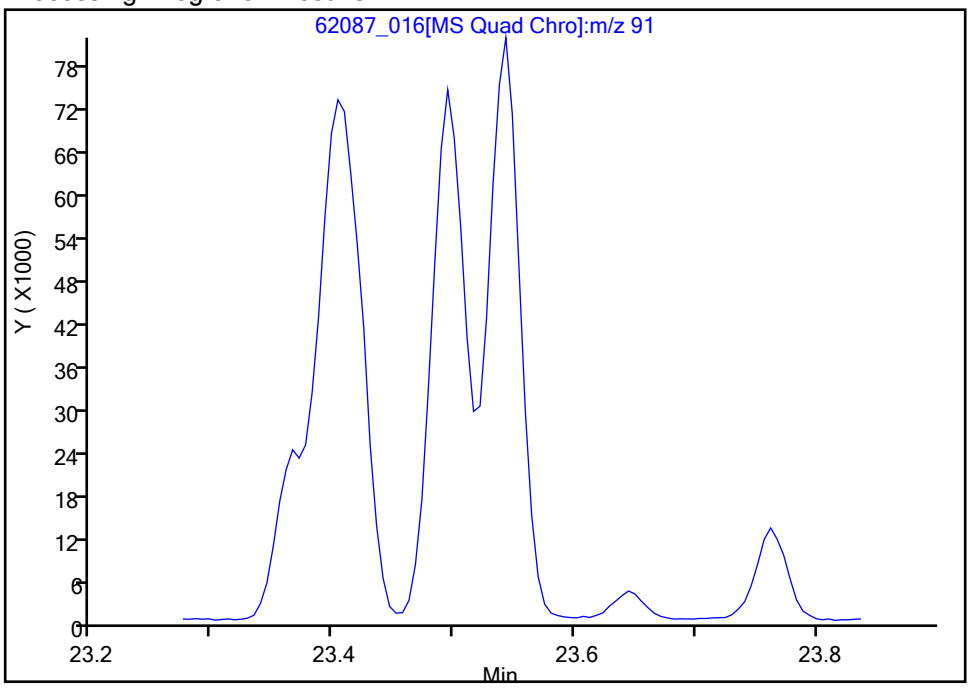
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_016.D				
Injection Date:	17-Sep-2024 20:19:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 n-Butylbenzene, CAS: 104-51-8

Signal: 1

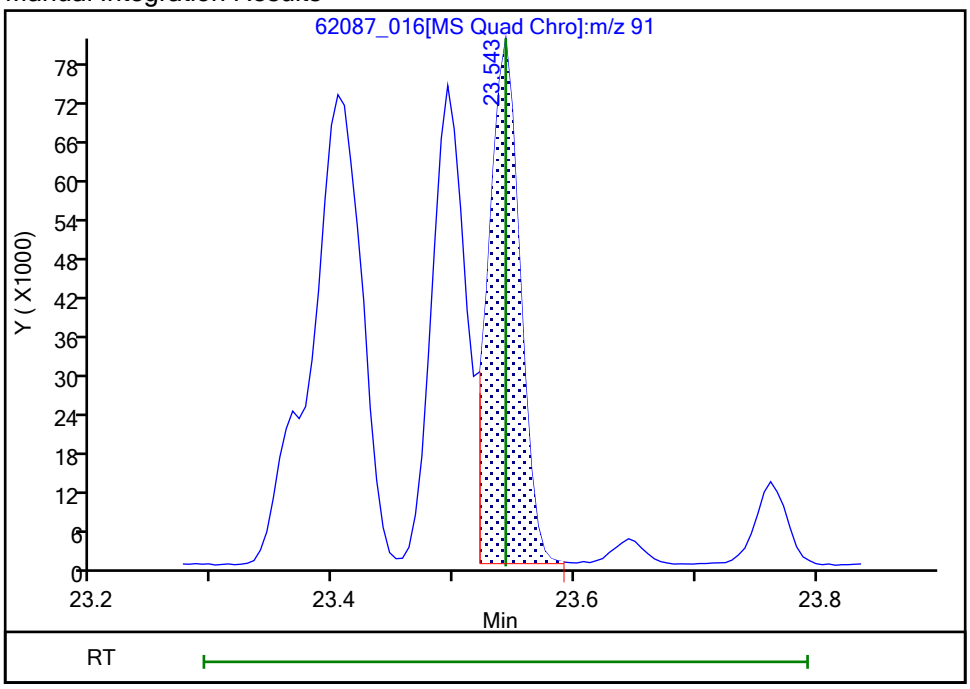
Not Detected
Expected RT: 23.54

Processing Integration Results



Manual Integration Results

RT: 23.54
Area: 148162
Amount: 0.565083
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 09:36:23 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-8 DL Lab Sample ID: 200-75119-1 DL

Matrix: Air Lab File ID: 62087_017.D

Analysis Method: TO-15 Date Collected: 09/13/2024 13:47

Sample wt/vol: 40(mL) Date Analyzed: 09/17/2024 21:10

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	230	D	59	19
95-63-6	1,2,4-Trimethylbenzene	120.20	370	D	4.9	2.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-8 DL Lab Sample ID: 200-75119-1 DL

Matrix: Air Lab File ID: 62087_017.D

Analysis Method: TO-15 Date Collected: 09/13/2024 13:47

Sample wt/vol: 40(mL) Date Analyzed: 09/17/2024 21:10

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	96	D	25	8.0
95-63-6	1,2,4-Trimethylbenzene	120.20	75	D	1.0	0.40

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_017.D
Lims ID: 200-75119-A-1 DL
Client ID: RXSV-8
Sample Type: Client
Inject. Date: 17-Sep-2024 21:10:45 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0062087-017
Misc. Info.: 75119-1dl
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 09:44:19 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 09:44:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.412	4.419	-0.005	99	13088	0.1017	
3 Chlorodifluoromethane	51	4.465	4.467	0.000	95	3623	0.0529	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.792				ND	
5 Chloromethane	50	4.915	4.917	0.000	94	1386	0.0371	
7 Butane	43	5.214	5.217	0.000	86	8041	0.1318	
6 Vinyl chloride	62		5.220				ND	
8 Butadiene	54		5.337				ND	MU
9 Bromomethane	94		6.086				ND	
10 Chloroethane	64		6.359				ND	
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.953	6.942	0.000	97	6976	0.0507	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.060	8.060	-0.011	1	1095	0.009492	7M
22 Acetone	43	8.130	8.128	0.005	97	1356766	19.3	
23 Isopropyl alcohol	45	8.451	8.439	0.016	99	33032	0.4078	
24 Carbon disulfide	76	8.435	8.444	-0.005	100	30540	0.2030	
26 3-Chloro-1-propene	41		8.745				ND	
27 Methylene Chloride	49		8.986				ND	7
28 2-Methyl-2-propanol	59	9.237	9.220	0.021	99	188224	2.03	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73		9.483				ND	
32 Hexane	57	9.986	9.996	-0.006	91	3942	0.0485	
33 1,1-Dichloroethane	63		10.270				ND	
36 2-Butanone (MEK)	72	11.270	11.265	0.010	98	21332	0.8031	
37 cis-1,2-Dichloroethene	96		11.281				ND	
* 39 Chlorobromomethane	128	11.698	11.693	0.005	90	299446	10.0	
40 Tetrahydrofuran	42		11.730				ND	
41 Chloroform	83	11.880	11.880	0.005	94	4490	0.0388	
42 1,1,1-Trichloroethane	97	12.180	12.180	0.006	87	2490	0.0218	M
43 Cyclohexane	84	12.303	12.303	0.000	88	1090	0.0154	M
44 Carbon tetrachloride	117		12.447				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.800	12.806	-0.006	94	9499	0.0570	
46 1,2-Dichloroethane	62		12.891				ND	
47 Isooctane	57	13.009	13.009	0.000	97	13395	0.0518	
48 n-Heptane	43	13.319	13.319	0.000	97	14574	0.1554	M
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	95	1441810	10.0	
51 Trichloroethene	95		13.977				ND	
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	
55 1,4-Dioxane	88		14.576				ND	
58 Dichlorobromomethane	83		14.919				ND	
59 cis-1,3-Dichloropropene	75		15.721				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.989				ND	MU
62 Toluene	92	16.358	16.363	0.000	93	61192	0.5133	
66 trans-1,3-Dichloropropene	75		16.781				ND	
67 1,1,2-Trichloroethane	83		17.160				ND	
68 Tetrachloroethene	166	17.342	17.347	0.000	97	12899	0.1301	
69 2-Hexanone	43		17.572				ND	7
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	
* 73 Chlorobenzene-d5	117	19.049	19.043	0.006	87	1318779	10.0	
74 Chlorobenzene	112		19.102				ND	
75 Ethylbenzene	91	19.290	19.295	0.000	98	48415	0.1846	
76 m-Xylene & p-Xylene	106	19.536	19.557	-0.016	0	75478	0.7626	
78 o-Xylene	106	20.322	20.328	0.000	99	81294	0.8502	
79 Styrene	104	20.354	20.354	0.000	95	13219	0.0850	M
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105	20.991	20.991	0.000	99	143398	0.5056	M
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	7
85 N-Propylbenzene	91	21.686	21.692	0.000	99	975595	2.86	
86 2-Chlorotoluene	91		21.836				ND	MU
87 4-Ethyltoluene	105	21.879	21.884	0.000	99	1581118	5.79	
88 1,3,5-Trimethylbenzene	105	21.975	21.976	0.005	93	1526678	6.65	
91 tert-Butylbenzene	119		22.446				ND	
92 1,2,4-Trimethylbenzene	105	22.537	22.538	0.005	98	3486116	15.1	
93 sec-Butylbenzene	105	22.767	22.767	0.000	93	23419	0.0704	M
94 1,3-Dichlorobenzene	146		22.943				ND	7
95 4-Isopropyltoluene	119	22.976	22.976	0.000	97	19509	0.0709	M
96 1,4-Dichlorobenzene	146		23.083				ND	7
97 Benzyl chloride	91		23.238				ND	MU
98 n-Butylbenzene	91	23.543	23.543	0.000	92	28967	0.1086	M
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.587	26.589	0.006	99	30062	0.1378	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

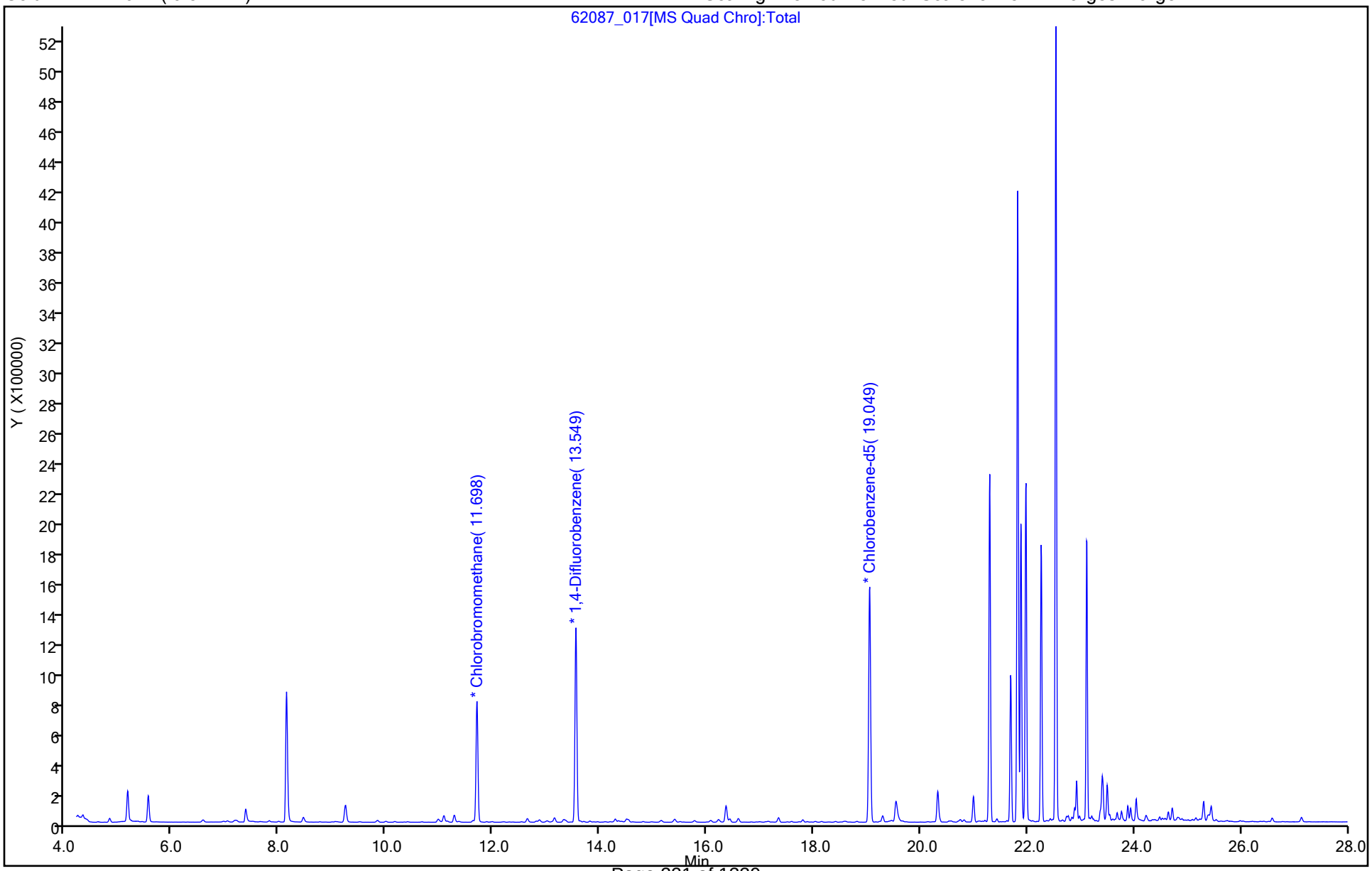
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 09:44:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_017.D				
Injection Date:	17-Sep-2024 21:10:45	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-1 DL	Lab Sample ID:	200-75119-1	Worklist Smp#:	17
Client ID:	RXSV-8				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



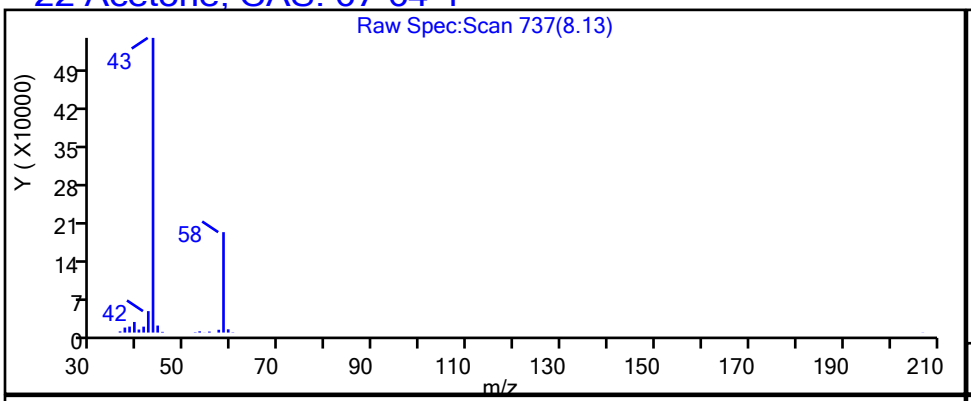
Report Date: 18-Sep-2024 09:44:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

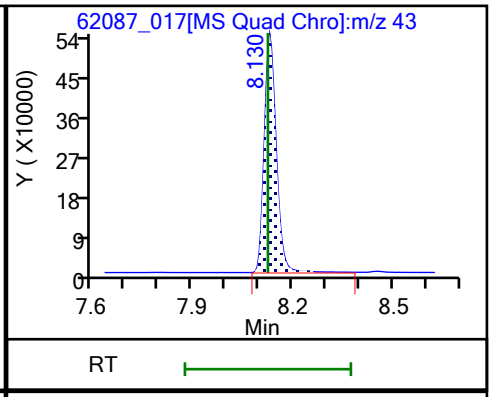
Eurofins Burlington

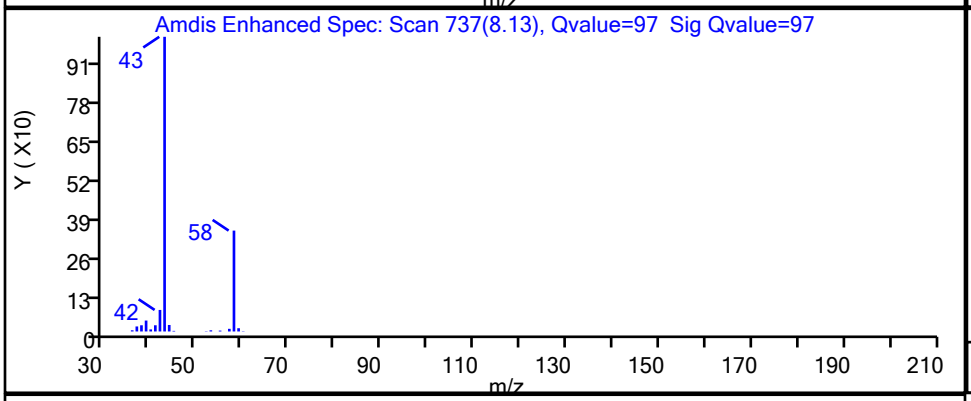
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_017.D

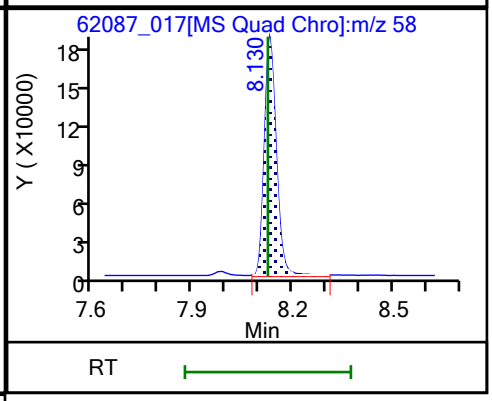
Injection Date:	17-Sep-2024 21:10:45	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1 DL	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

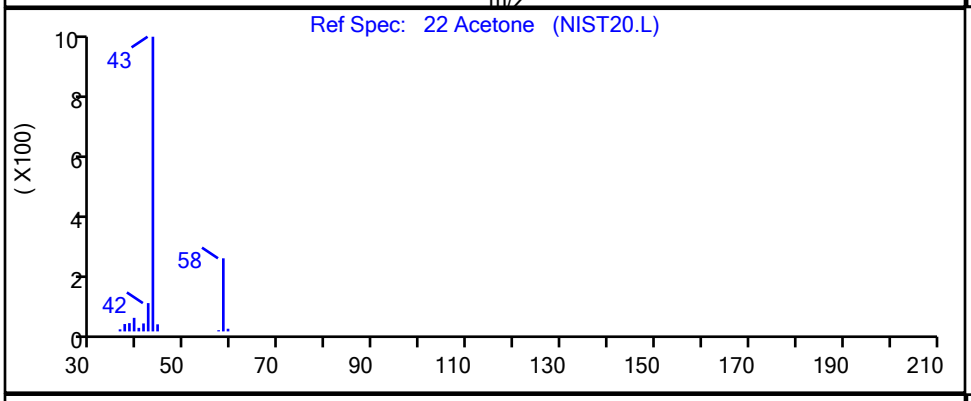
22 Acetone, CAS: 67-64-1

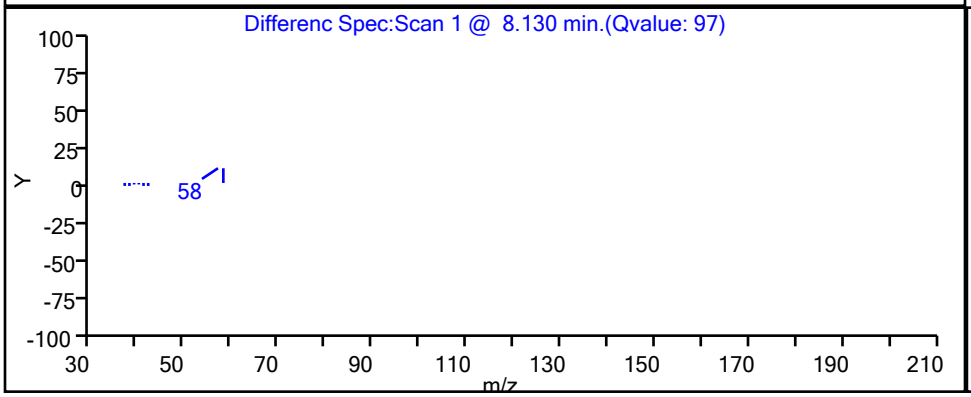


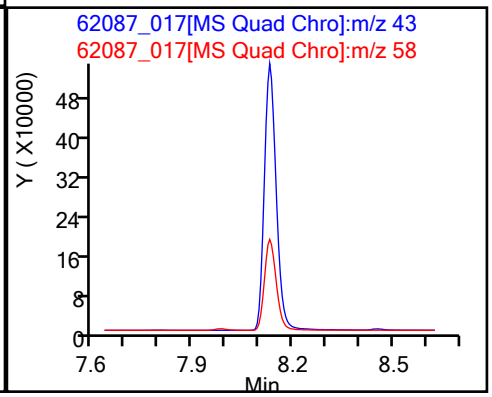












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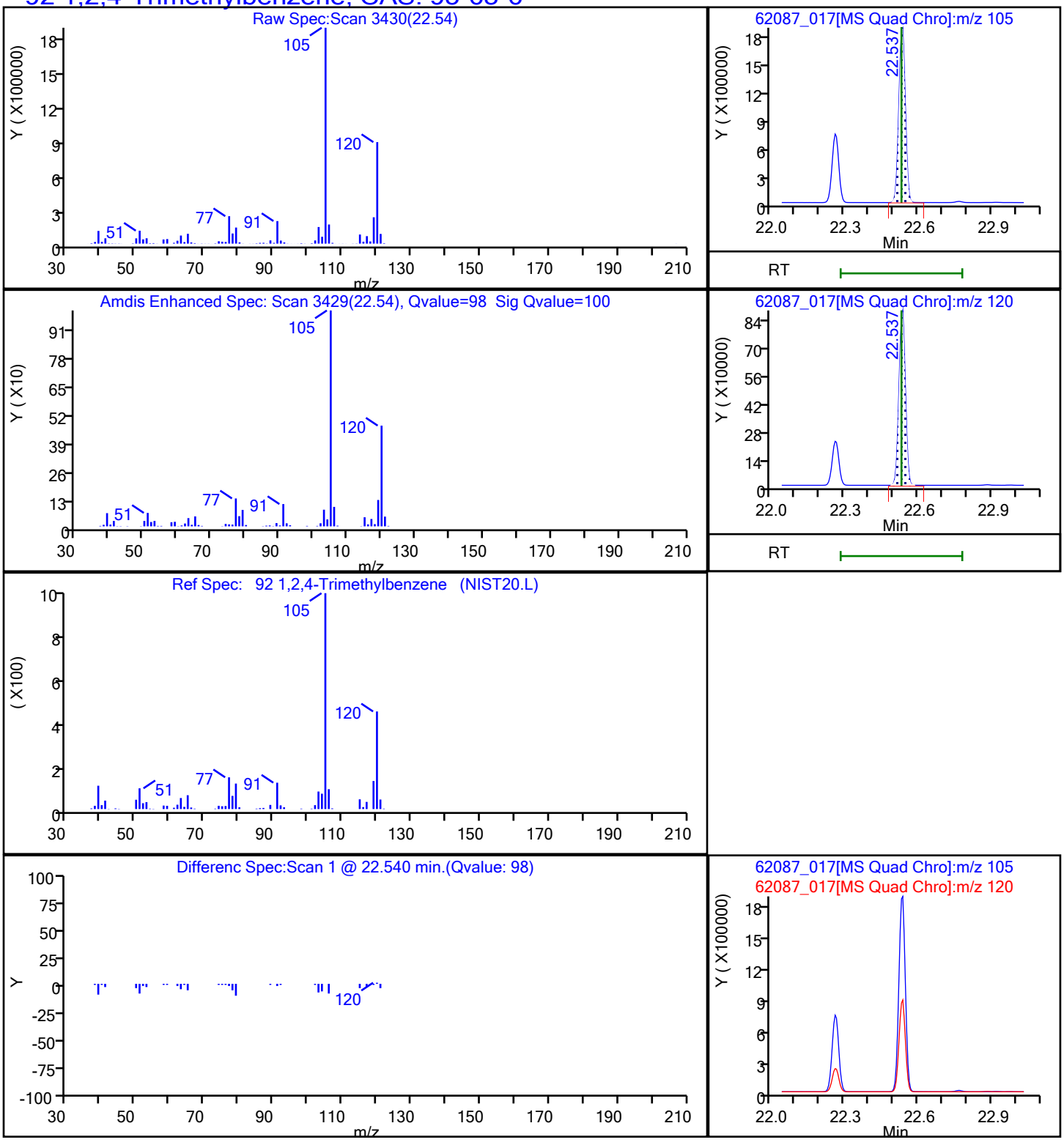
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_017.D				
Injection Date:	17-Sep-2024 21:10:45	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-1 DL	Lab Sample ID:	200-75119-1		
Client ID:	RXSV-8				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

92 1,2,4-Trimethylbenzene, CAS: 95-63-6



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-2 Lab Sample ID: 200-75119-2

Matrix: Air Lab File ID: 62087_018.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:51

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 22:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.9	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.3	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	0.37	J	1.0	0.31
106-97-8	n-Butane	58.12	2.5		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	2.7		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	75		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	1.5	J	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	29		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.67	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	7.5		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.87	J	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.14	J	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-2 Lab Sample ID: 200-75119-2

Matrix: Air Lab File ID: 62087_018.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:51

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 22:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.35	J	0.93	0.18
71-43-2	Benzene	78.11	0.45	J	0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	0.66	J	0.82	0.23
79-01-6	Trichloroethene	131.39	0.18	J	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	4.7		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	13		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.2	J	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.45	J	0.87	0.30
179601-23-1	m,p-Xylene	106.17	1.8	J	2.2	0.41
95-47-6	o-Xylene	106.17	0.81	J	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.25	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.40	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.58	J	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-2 Lab Sample ID: 200-75119-2

Matrix: Air Lab File ID: 62087_018.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:51

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 22:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	2.6		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-2 Lab Sample ID: 200-75119-2

Matrix: Air Lab File ID: 62087_018.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:51

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 22:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.39	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.38	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.18	J	0.50	0.15
106-97-8	n-Butane	58.12	1.1		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.48		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	31		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.49	J	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	9.5		5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.19	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	2.5		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.18	J	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.022	J	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-2 Lab Sample ID: 200-75119-2

Matrix: Air Lab File ID: 62087_018.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:51

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 22:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.076	J	0.20	0.038
71-43-2	Benzene	78.11	0.14	J	0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.16	J	0.20	0.055
79-01-6	Trichloroethene	131.39	0.033	J	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	1.2		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	1.9		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.30	J	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.10	J	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.41	J	0.50	0.095
95-47-6	o-Xylene	106.17	0.19	J	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.051	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.081	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.12	J	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-2 Lab Sample ID: 200-75119-2

Matrix: Air Lab File ID: 62087_018.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:51

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 22:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.52		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D
Lims ID: 200-75119-A-2
Client ID: RXSV-2
Sample Type: Client
Inject. Date: 17-Sep-2024 22:02:19 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-018
Misc. Info.: 75119-2
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 10:13:52 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 10:13:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.411	4.419	-0.006	99	50167	0.3872	
3 Chlorodifluoromethane	51	4.465	4.467	0.000	97	25887	0.3756	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.792				ND	MU
5 Chloromethane	50	4.914	4.917	-0.001	99	6754	0.1796	
7 Butane	43	5.214	5.217	0.000	98	64644	1.05	
6 Vinyl chloride	62		5.220				ND	
8 Butadiene	54		5.337				ND	MU
9 Bromomethane	94		6.086				ND	
10 Chloroethane	64	6.364	6.362	0.005	12	1476	0.0568	
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.953	6.956	0.000	99	66425	0.4792	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.075	0.000	94	5707	0.0491	
22 Acetone	43	8.130	8.128	0.005	97	2231533	31.5	
23 Isopropyl alcohol	45	8.451	8.438	0.016	55	31237	0.3830	
24 Carbon disulfide	76	8.440	8.444	0.000	99	74199	0.4899	
26 3-Chloro-1-propene	41		8.745				ND	
27 Methylene Chloride	49	8.986	8.990	0.000	93	6226	0.1076	
28 2-Methyl-2-propanol	59	9.226	9.220	0.010	100	888225	9.51	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73		9.483				ND	
32 Hexane	57	9.991	9.996	-0.001	93	15615	0.1909	
33 1,1-Dichloroethane	63		10.270				ND	
36 2-Butanone (MEK)	72	11.265	11.264	0.005	99	68171	2.55	
37 cis-1,2-Dichloroethene	96		11.281				ND	
* 39 Chlorobromomethane	128	11.698	11.693	0.005	90	301464	10.0	
40 Tetrahydrofuran	42		11.730				ND	7
41 Chloroform	83	11.874	11.880	-0.001	95	20717	0.1778	
42 1,1,1-Trichloroethane	97	12.169	12.169	-0.005	71	1558	0.0136	7M
43 Cyclohexane	84	12.297	12.297	-0.006	93	3065	0.0429	M
44 Carbon tetrachloride	117	12.452	12.447	0.005	96	2556	0.0216	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.811	12.805	0.005	94	23715	0.1412	
46 1,2-Dichloroethane	62		12.891				ND	
47 Isooctane	57	13.009	13.009	0.000	97	19704	0.0755	
48 n-Heptane	43	13.324	13.319	0.005	89	15181	0.1605	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	95	1453731	10.0	
51 Trichloroethene	95	13.977	13.977	0.000	90	2619	0.0334	M
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	
55 1,4-Dioxane	88		14.576				ND	7
58 Dichlorobromomethane	83		14.919				ND	
59 cis-1,3-Dichloropropene	75		15.721				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.999	15.999	0.010	86	4615	0.0401	7M
62 Toluene	92	16.358	16.362	0.000	93	147943	1.24	
66 trans-1,3-Dichloropropene	75		16.781				ND	7
67 1,1,2-Trichloroethane	83		17.160				ND	MU
68 Tetrachloroethene	166	17.347	17.347	0.005	97	185998	1.87	
69 2-Hexanone	43	17.577	17.577	0.005	95	32435	0.2983	
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	
* 73 Chlorobenzene-d5	117	19.048	19.043	0.005	88	1325202	10.0	
74 Chlorobenzene	112		19.102				ND	
75 Ethylbenzene	91	19.289	19.295	-0.001	98	27344	0.1038	
76 m-Xylene & p-Xylene	106	19.541	19.557	-0.011	0	40608	0.4083	
78 o-Xylene	106	20.322	20.327	0.000	99	17972	0.1870	
79 Styrene	104	20.354	20.354	0.000	97	7826	0.0501	M
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105		20.991				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	MU
85 N-Propylbenzene	91	21.691	21.692	0.005	99	17624	0.0515	
86 2-Chlorotoluene	91		21.836				ND	MU
87 4-Ethyltoluene	105	21.884	21.885	0.005	99	22244	0.0810	
88 1,3,5-Trimethylbenzene	105	21.975	21.976	0.005	92	27136	0.1177	
91 tert-Butylbenzene	119		22.446				ND	7
92 1,2,4-Trimethylbenzene	105	22.537	22.537	0.005	94	120785	0.5192	
93 sec-Butylbenzene	105	22.767	22.767	0.000	44	3747	0.0112	M
94 1,3-Dichlorobenzene	146		22.943				ND	7
95 4-Isopropyltoluene	119	22.975	22.982	-0.001	97	9454	0.0342	
96 1,4-Dichlorobenzene	146	23.082	23.089	-0.001	93	2959	0.0185	
97 Benzyl chloride	91	23.243	23.243	0.005	85	1310	0.006502	7M
98 n-Butylbenzene	91	23.542	23.549	-0.001	85	6149	0.0229	
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.581	26.588	0.000	99	19598	0.0894	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

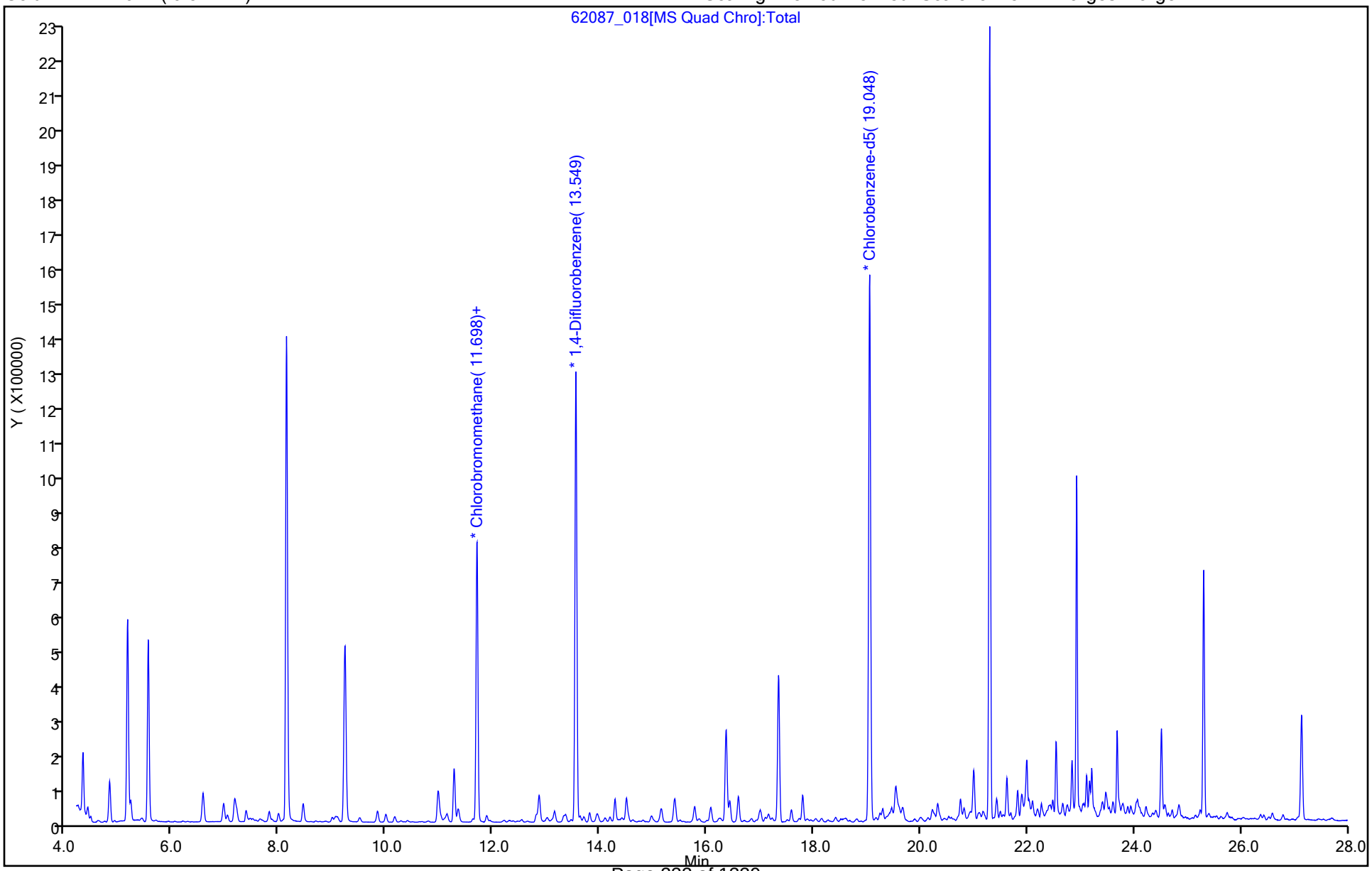
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2	Worklist Smp#:	18
Client ID:	RXSV-2				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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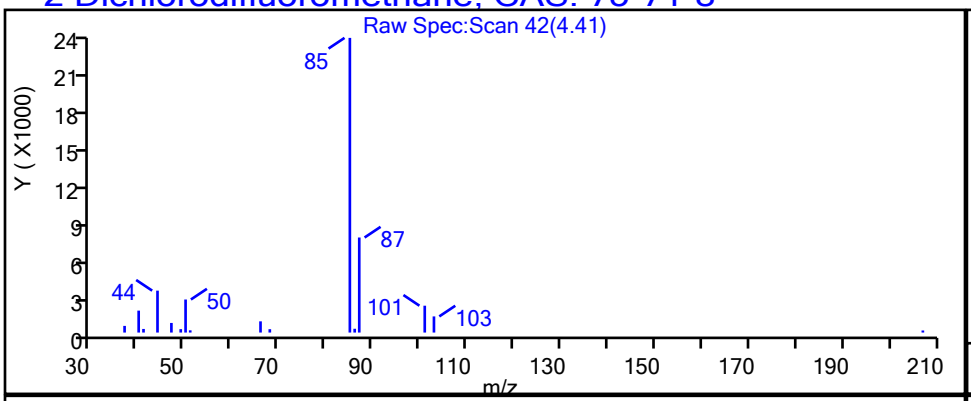
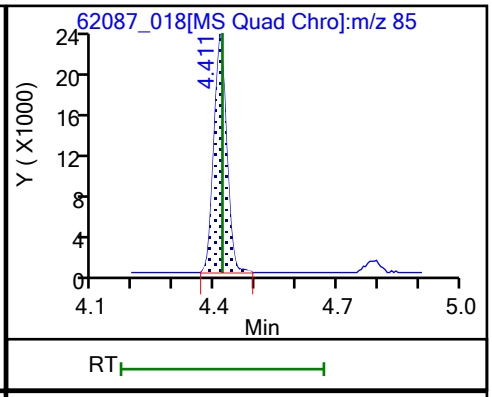
Eurofins Burlington

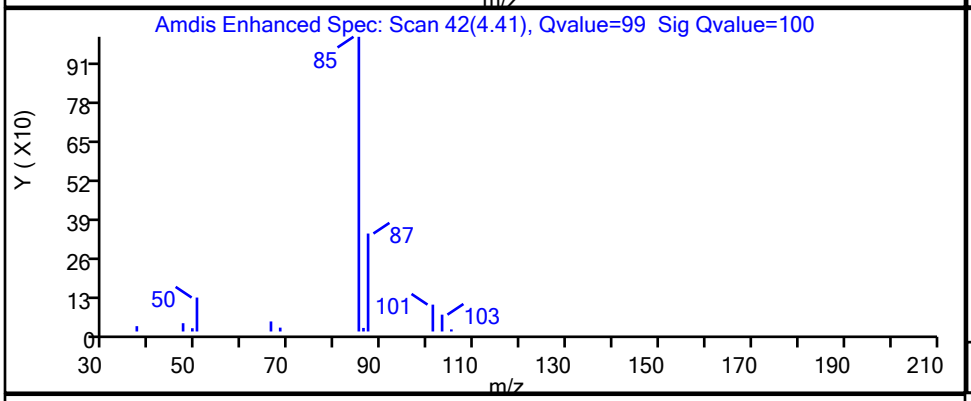
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

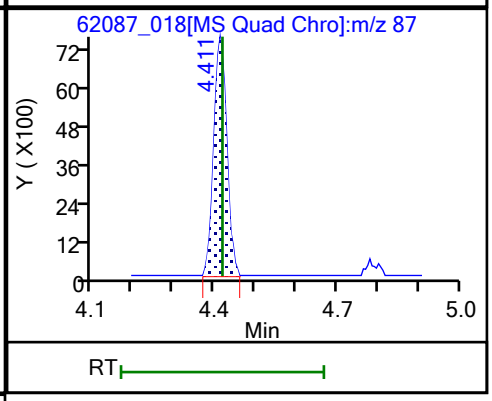
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

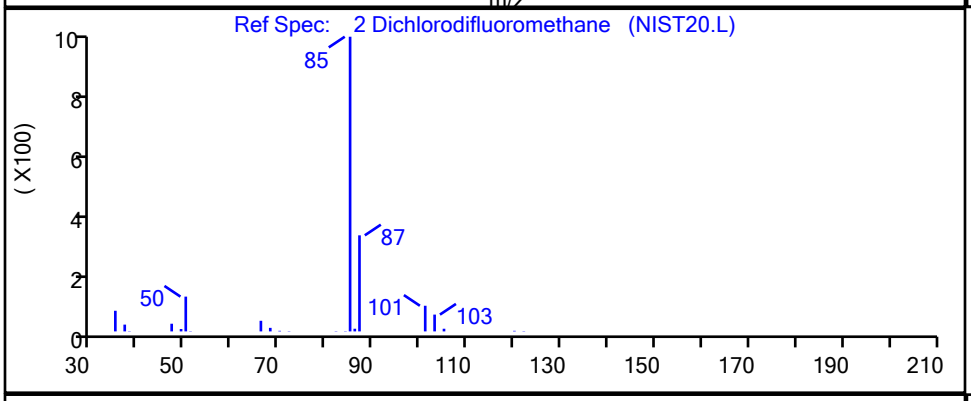
2 Dichlorodifluoromethane, CAS: 75-71-8

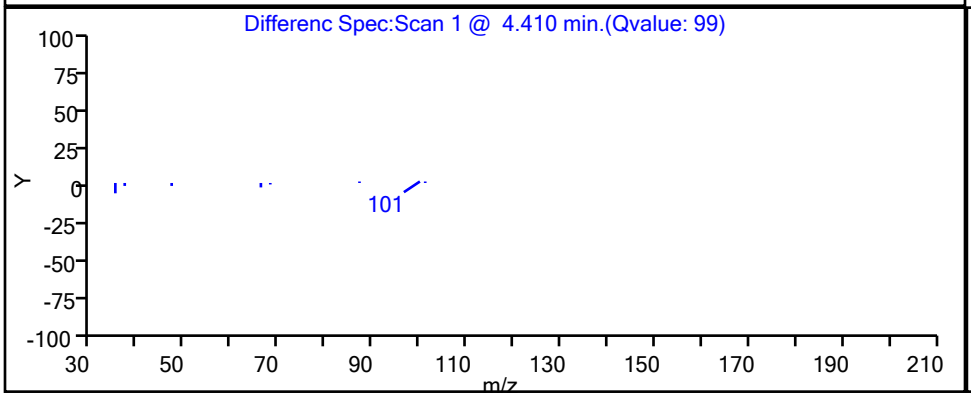


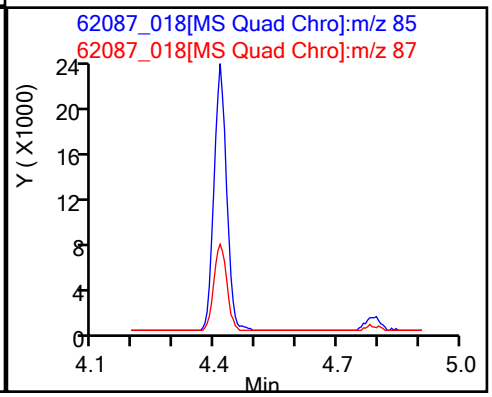












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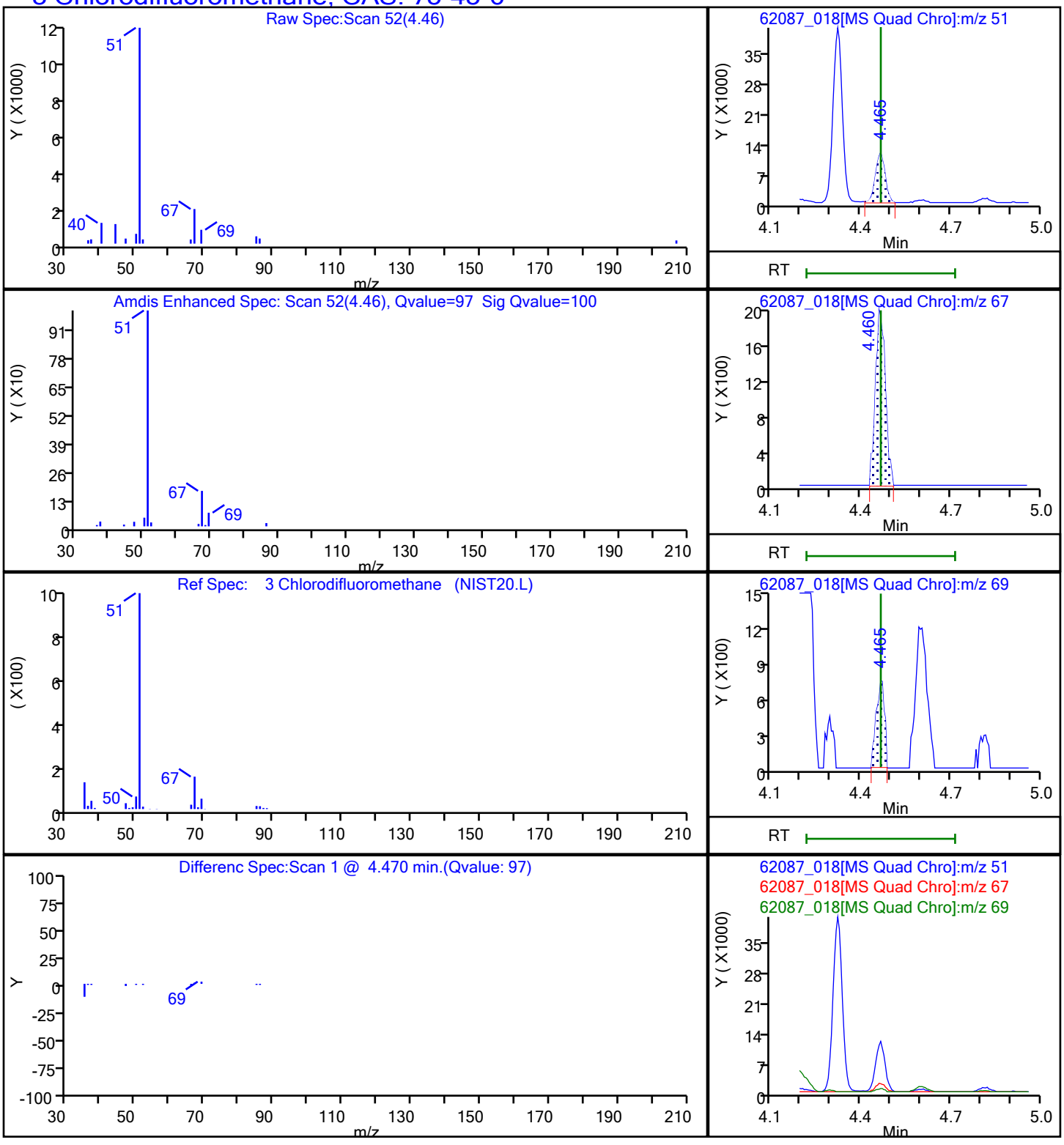
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



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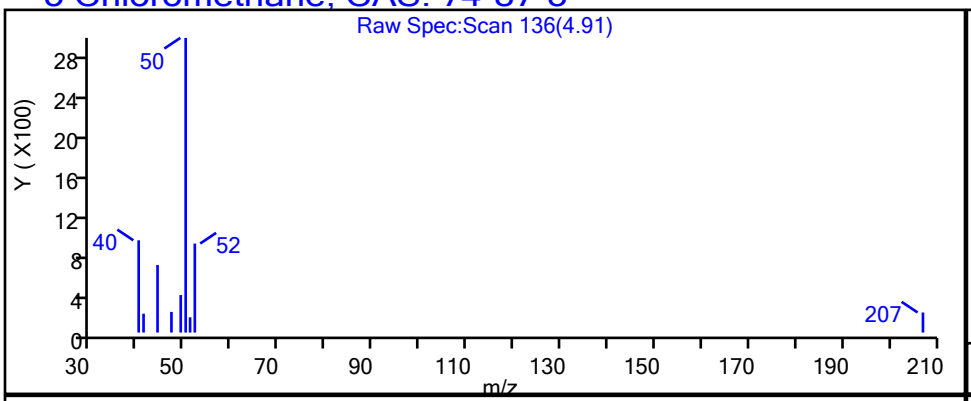
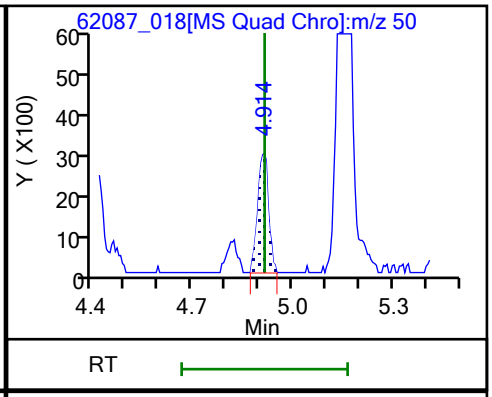
Eurofins Burlington

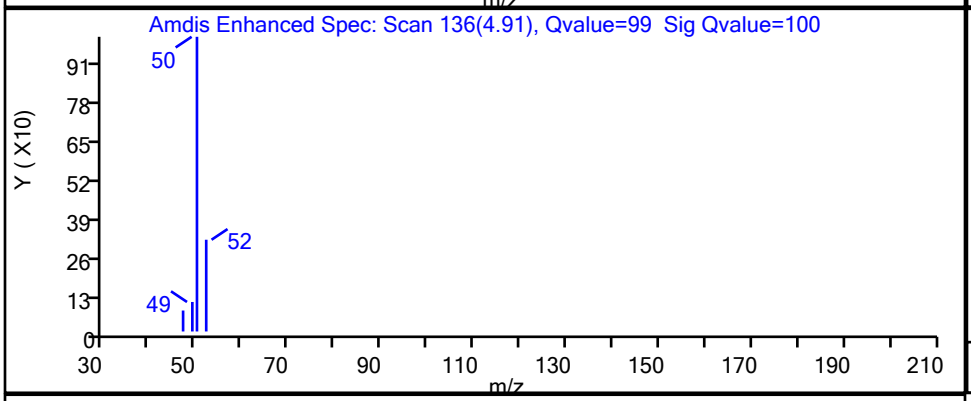
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

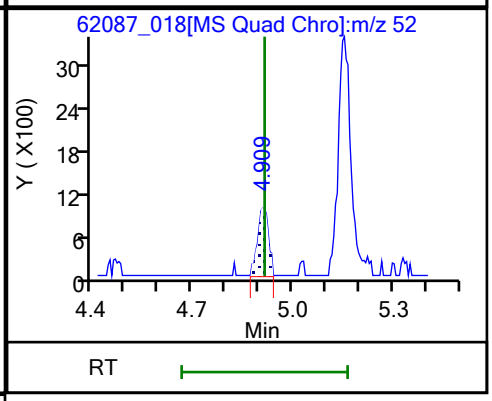
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

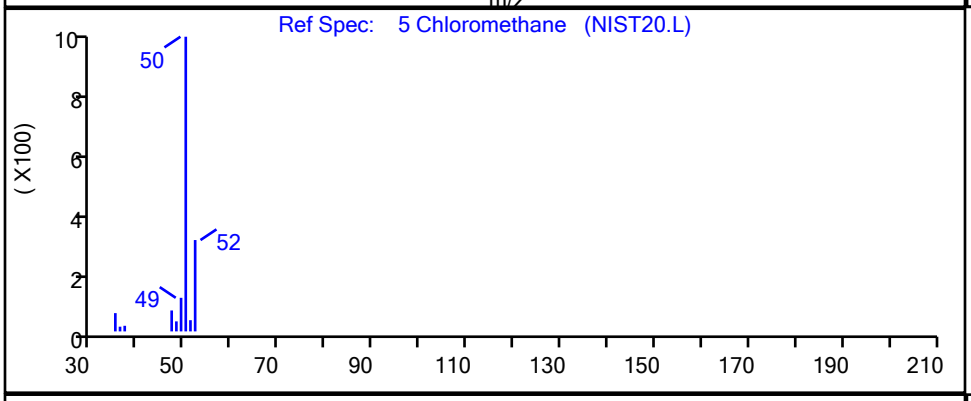
5 Chloromethane, CAS: 74-87-3

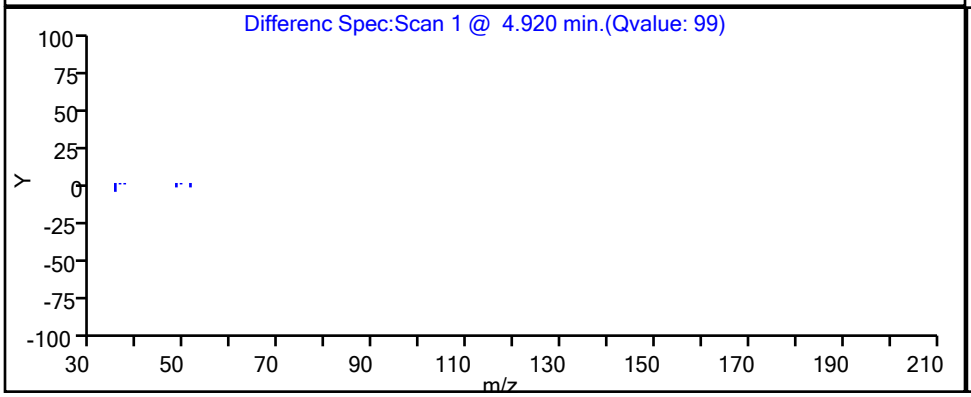


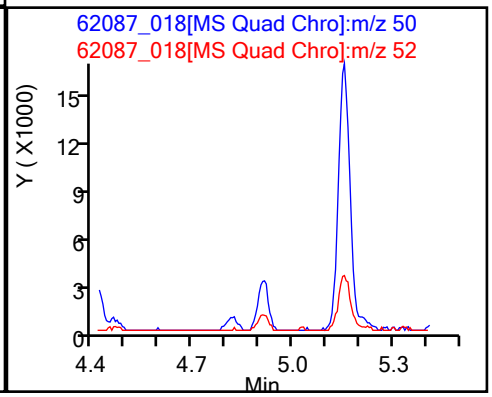












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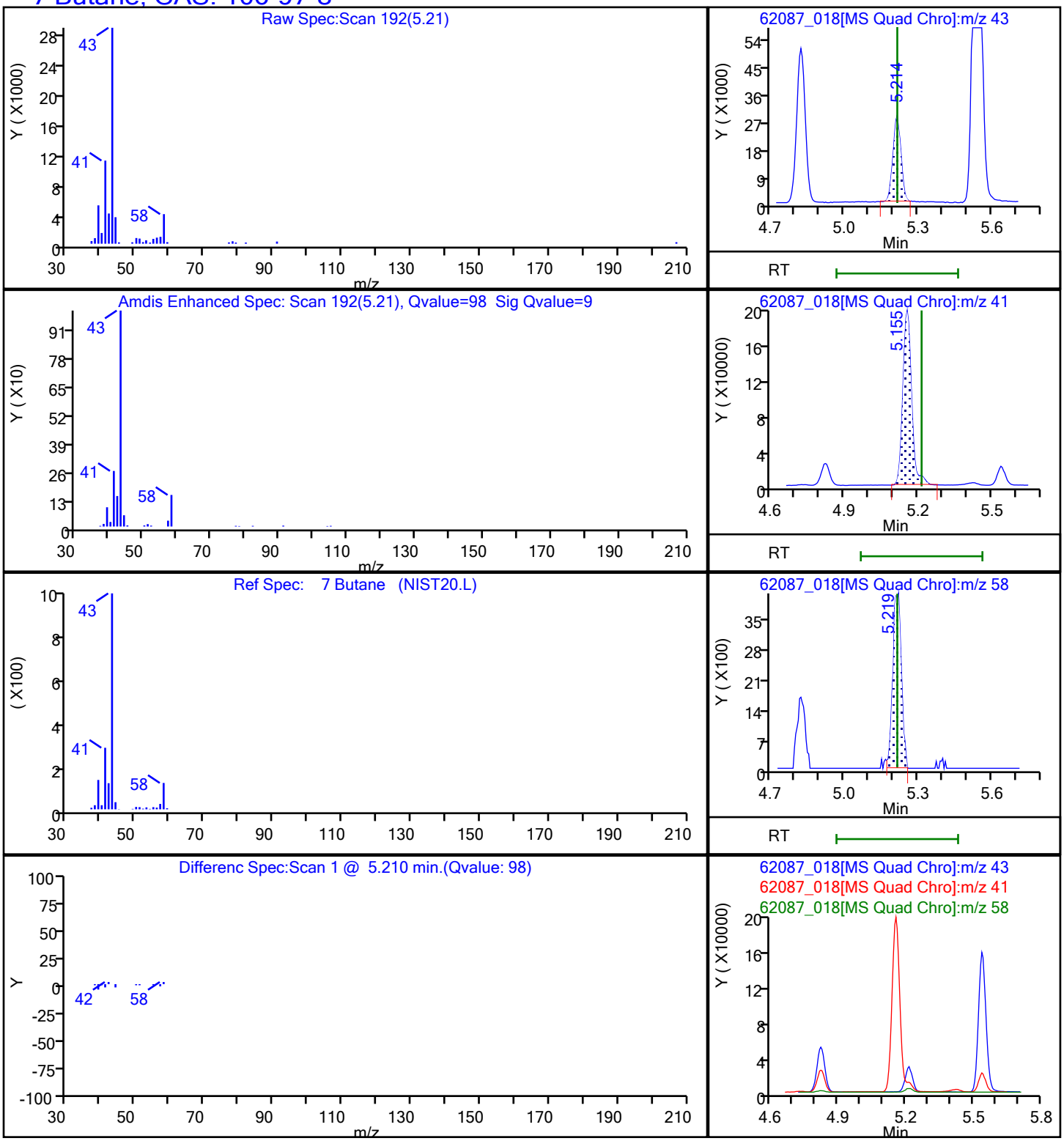
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8



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Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
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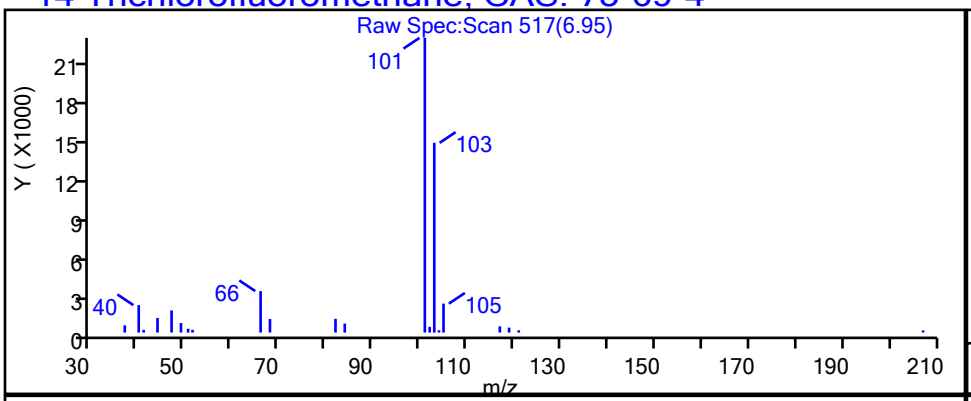
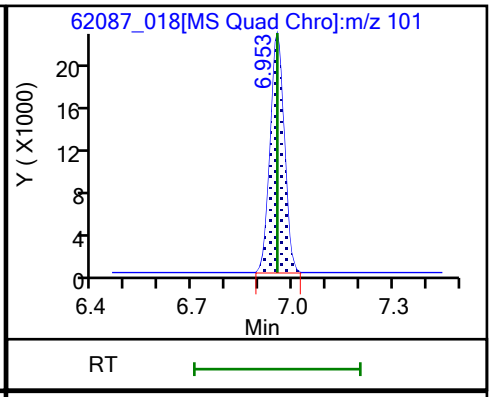
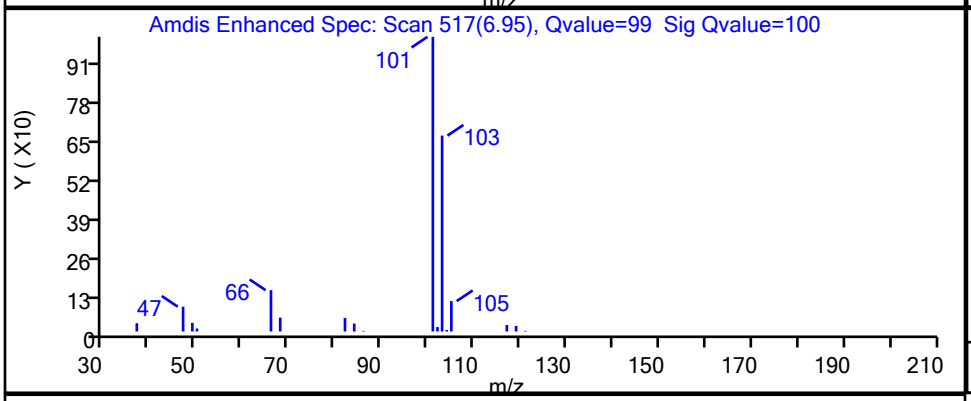
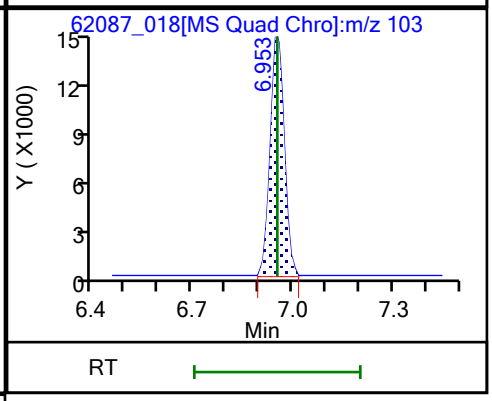
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

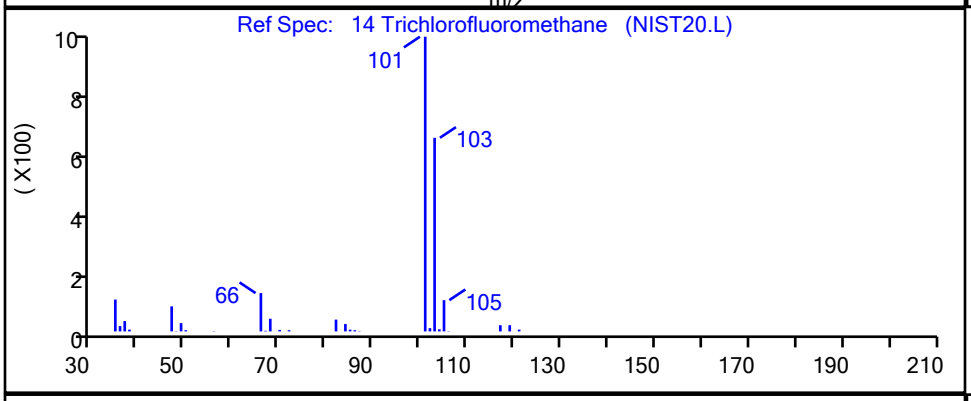
14 Trichlorofluoromethane, CAS: 75-69-4

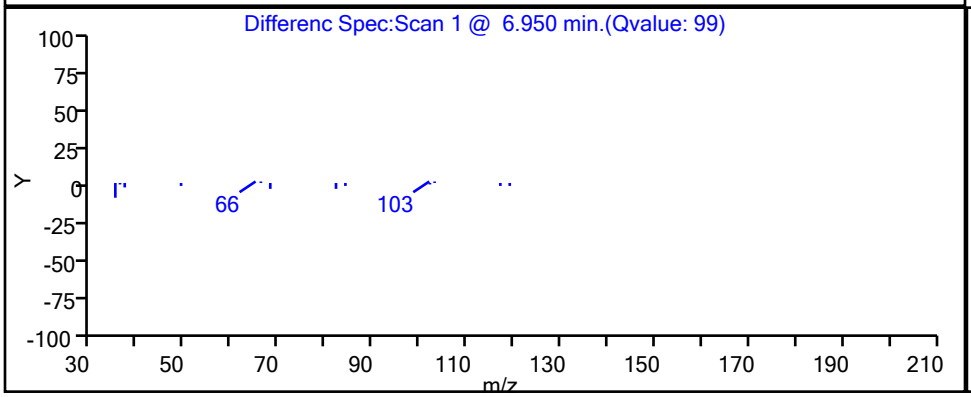


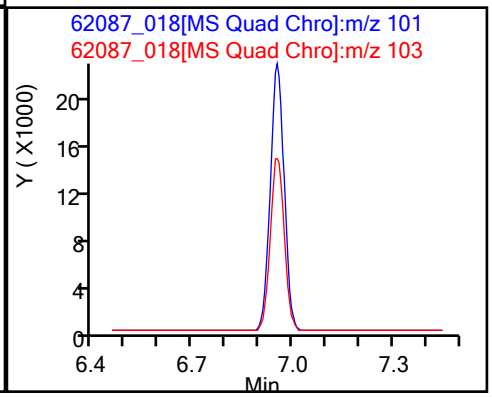












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Eurofins Burlington

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Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
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Client ID:	RXSV-2				
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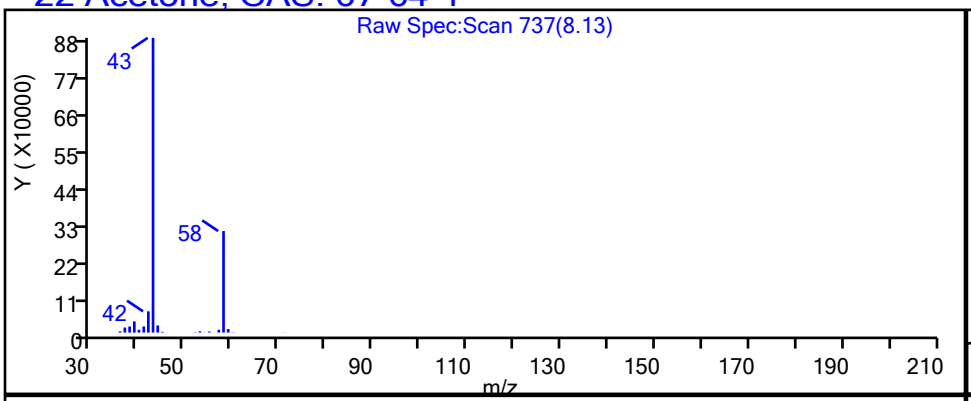
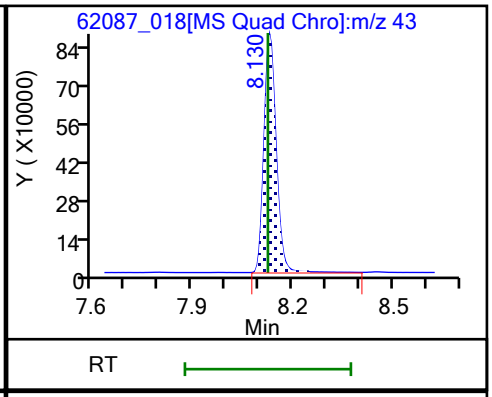
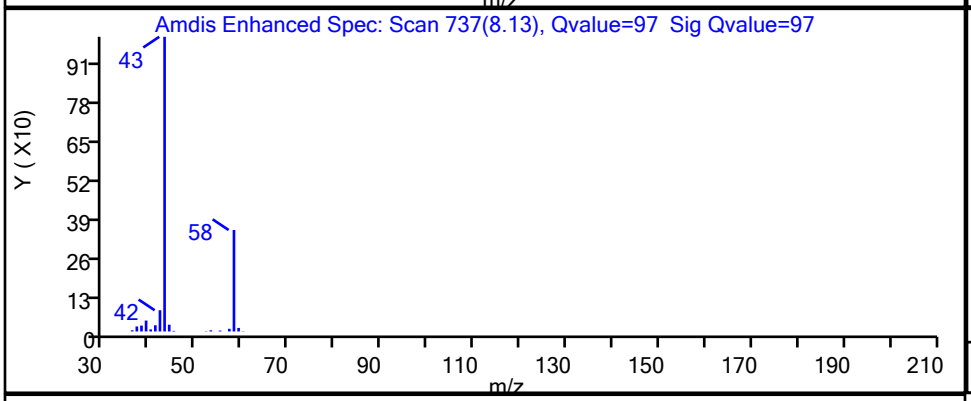
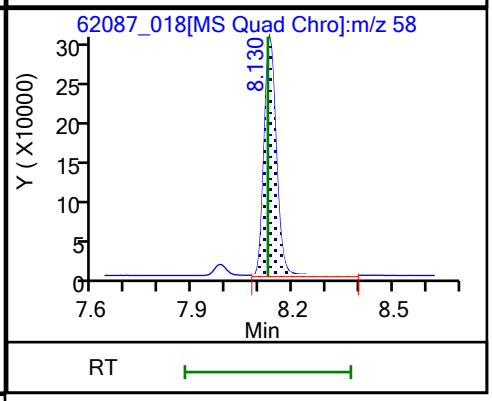
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

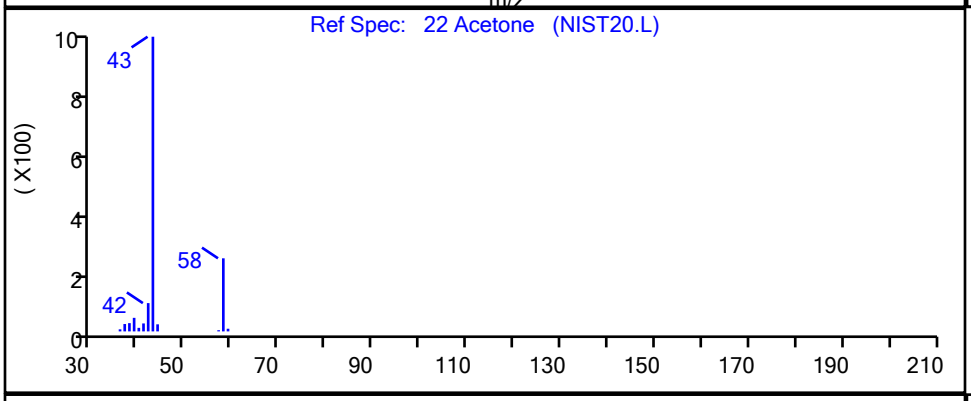
22 Acetone, CAS: 67-64-1

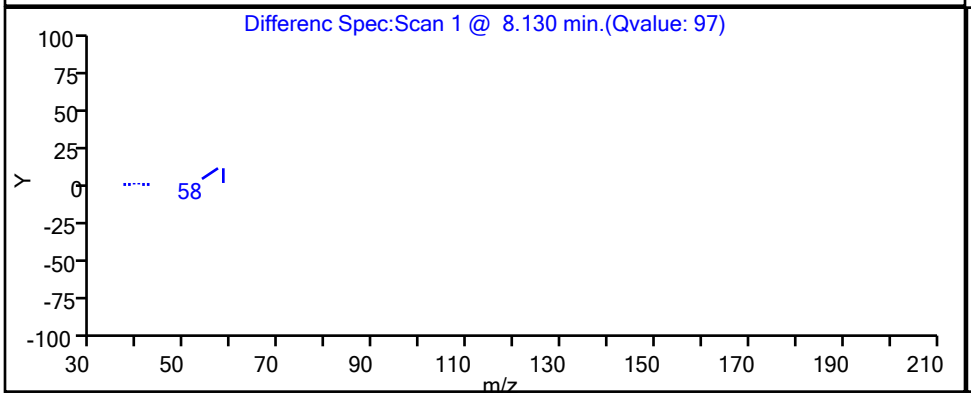


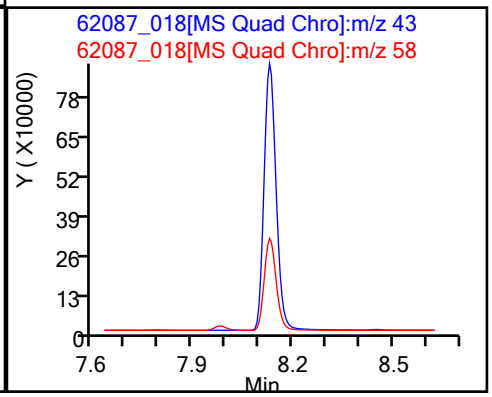










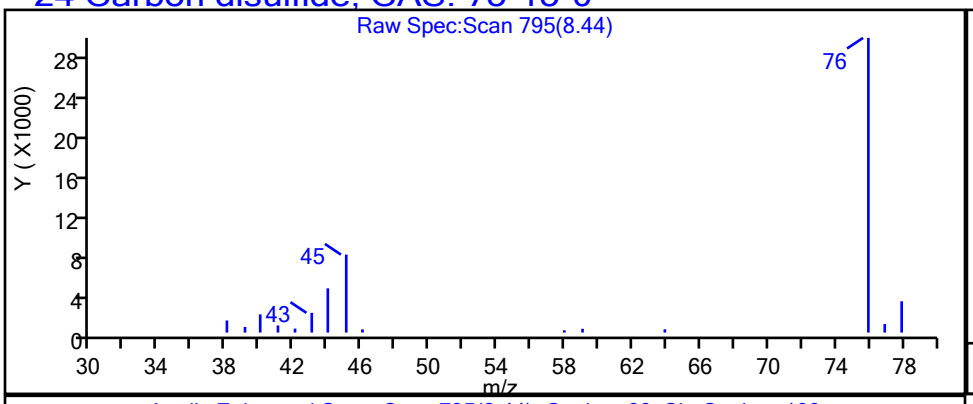


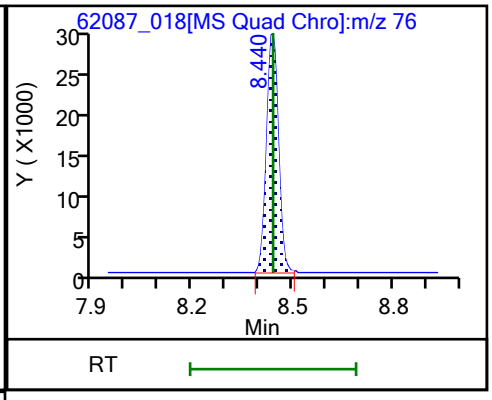
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

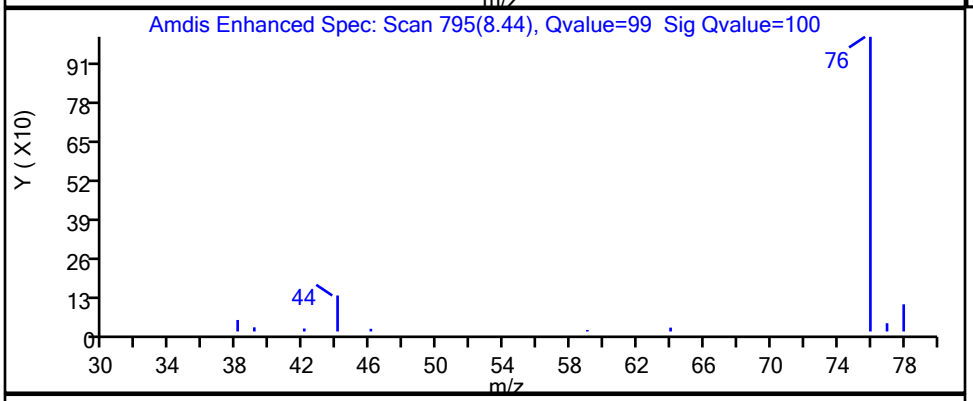
Eurofins Burlington

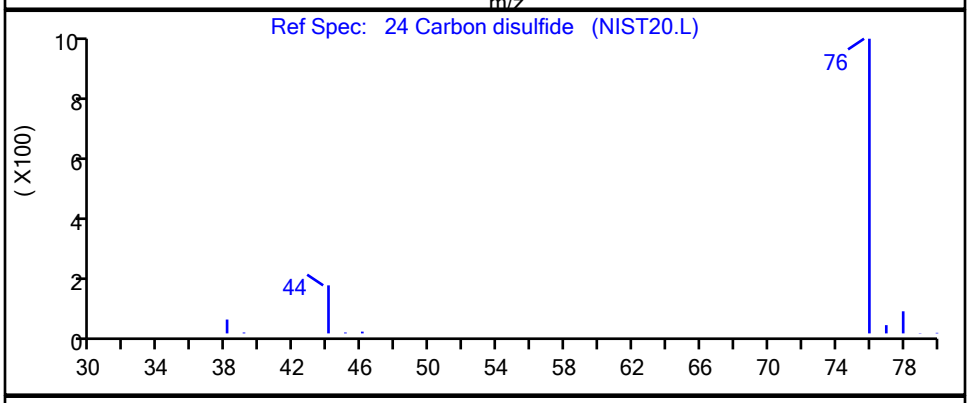
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

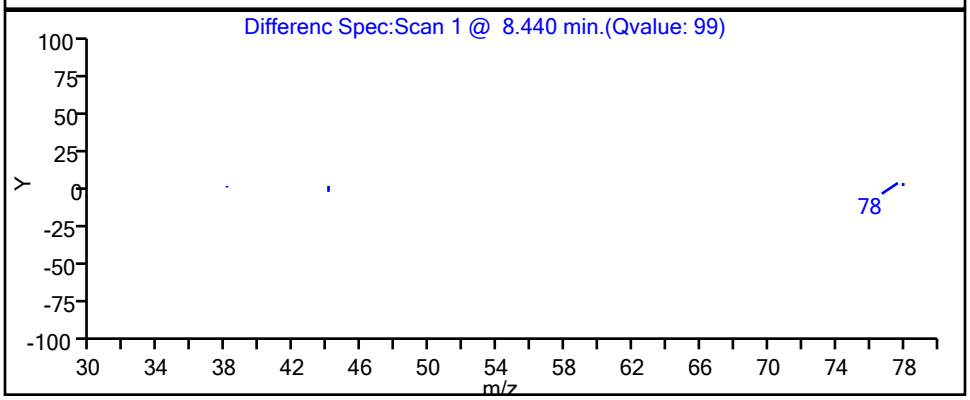
24 Carbon disulfide, CAS: 75-15-0











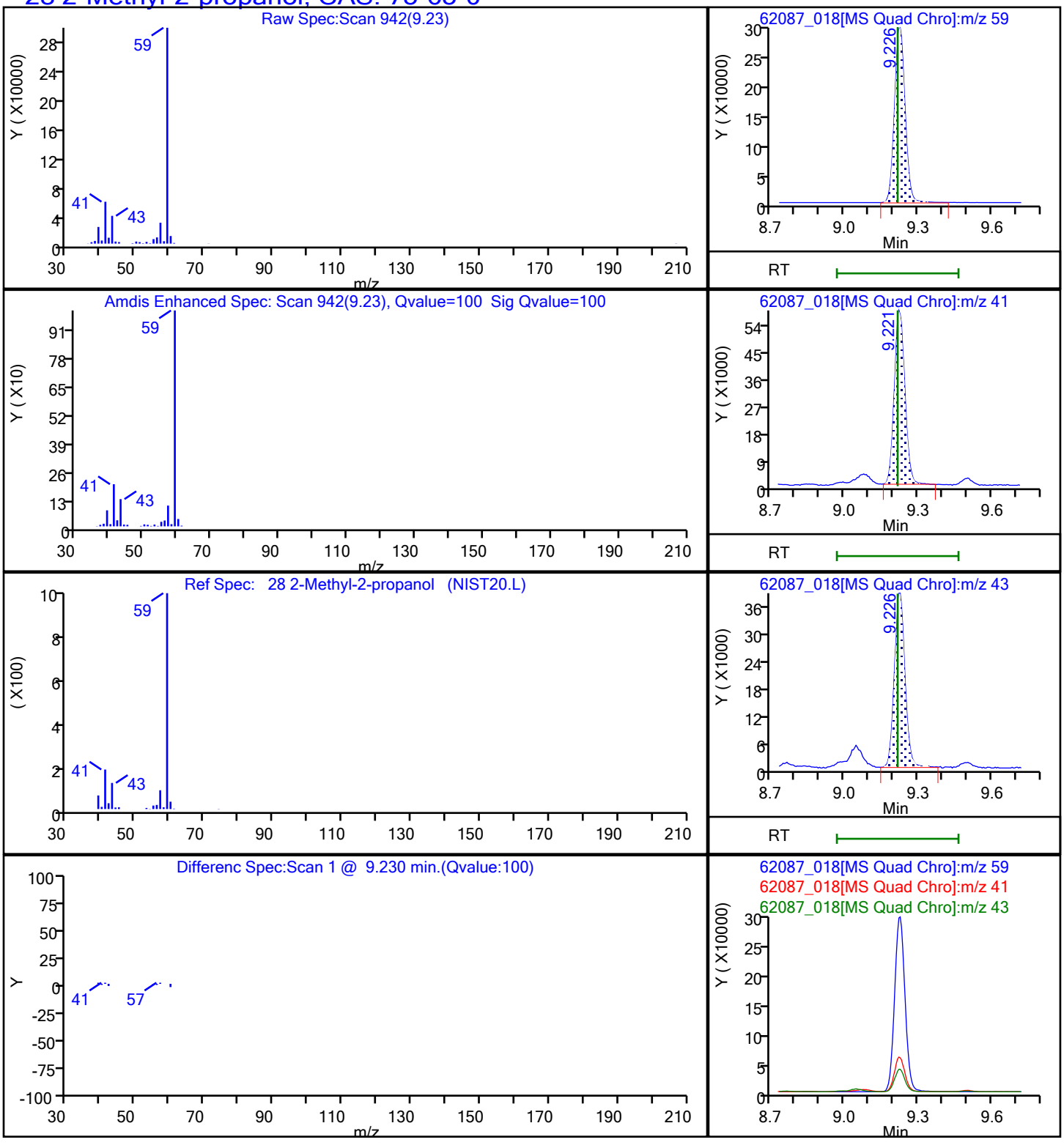
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



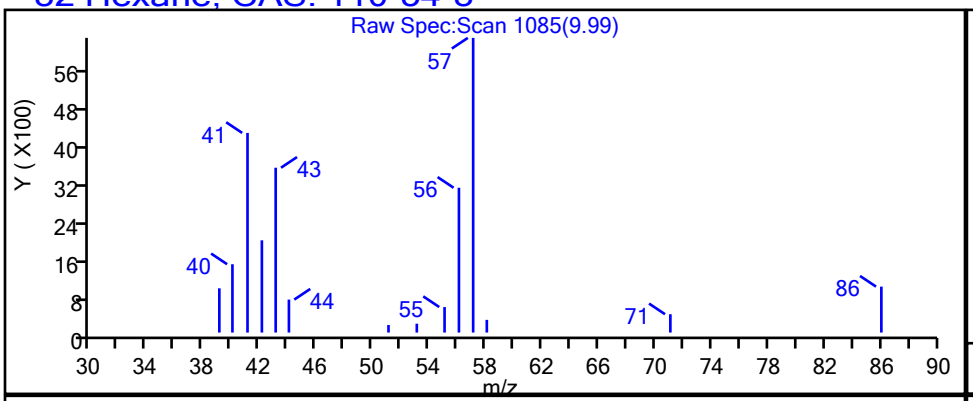
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

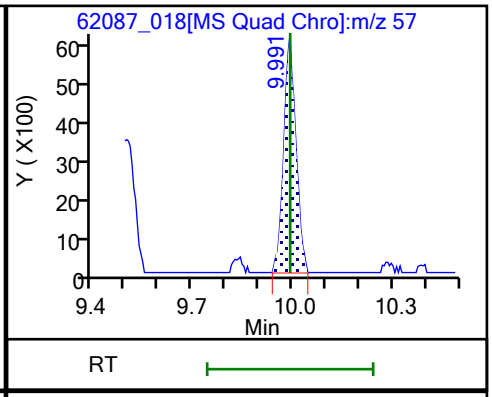
Eurofins Burlington

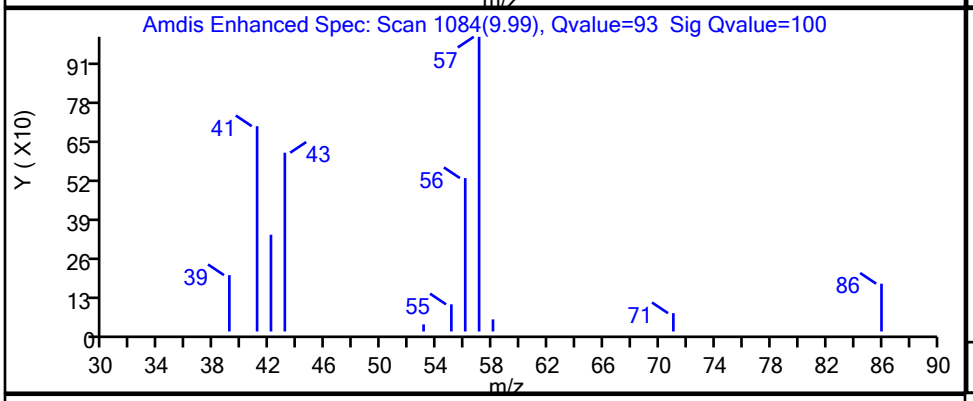
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

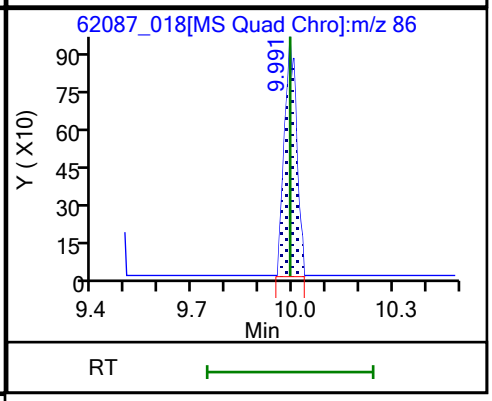
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

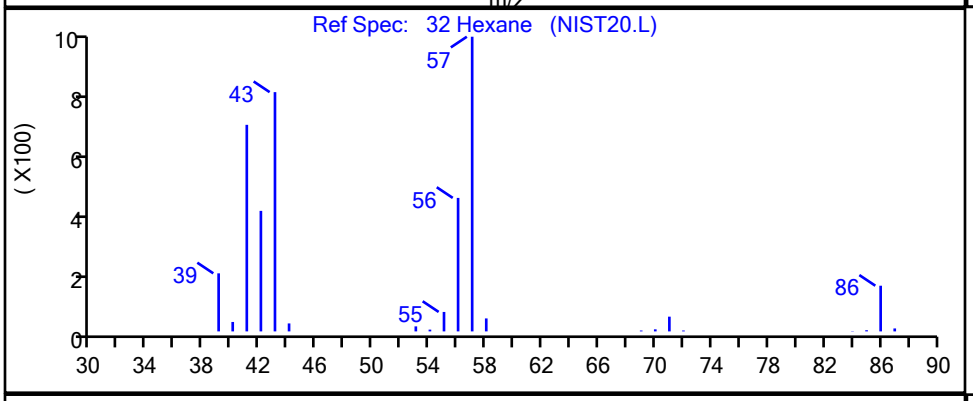
32 Hexane, CAS: 110-54-3

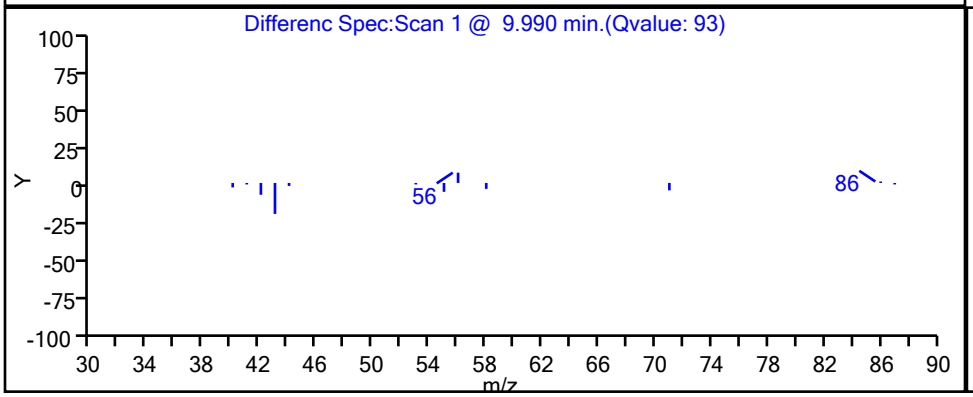


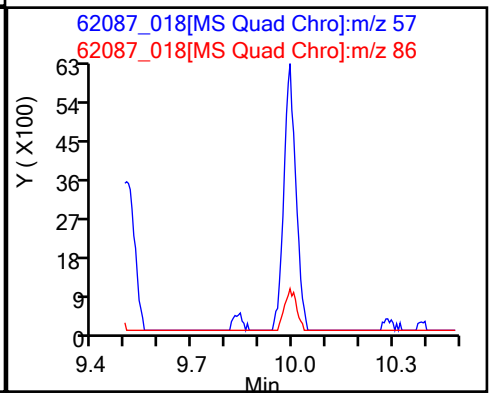












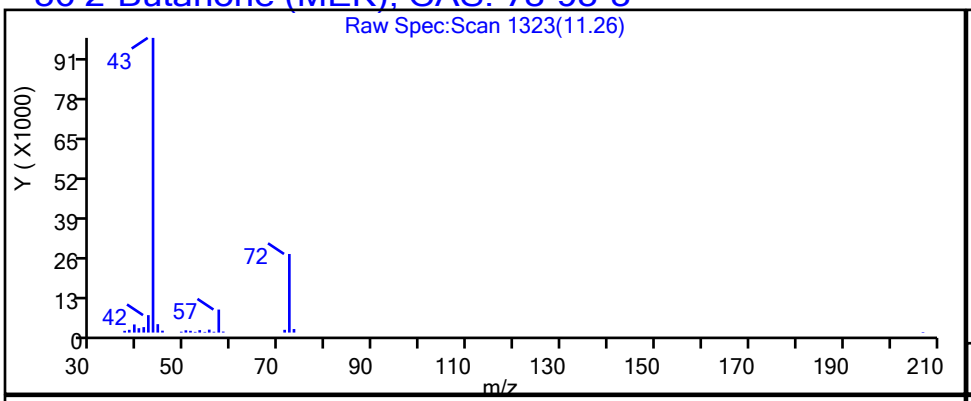
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

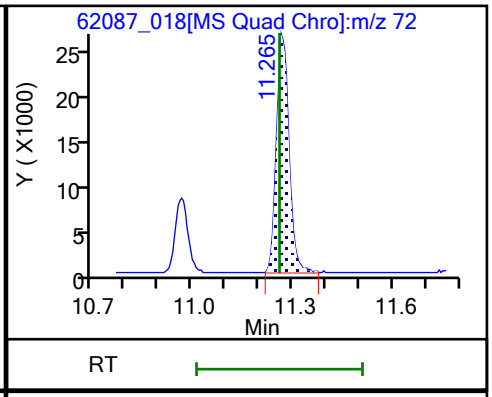
Eurofins Burlington

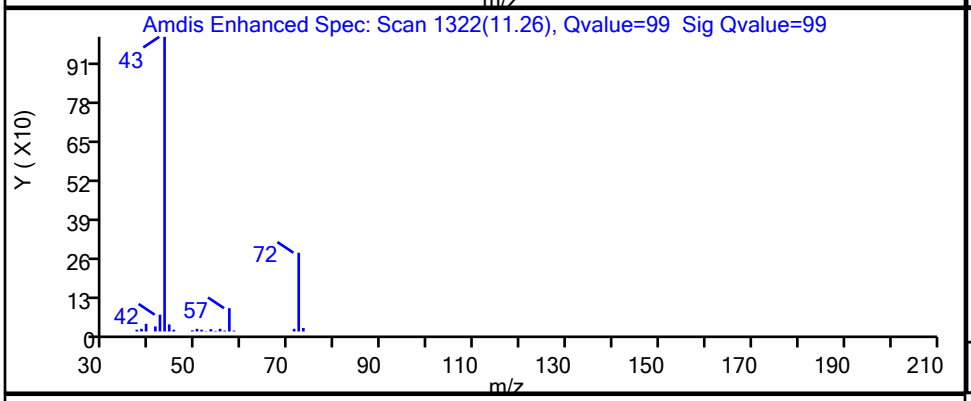
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

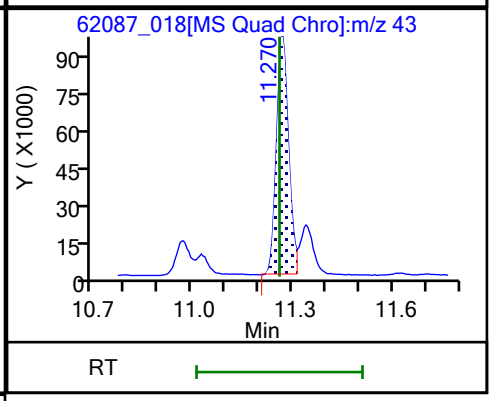
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

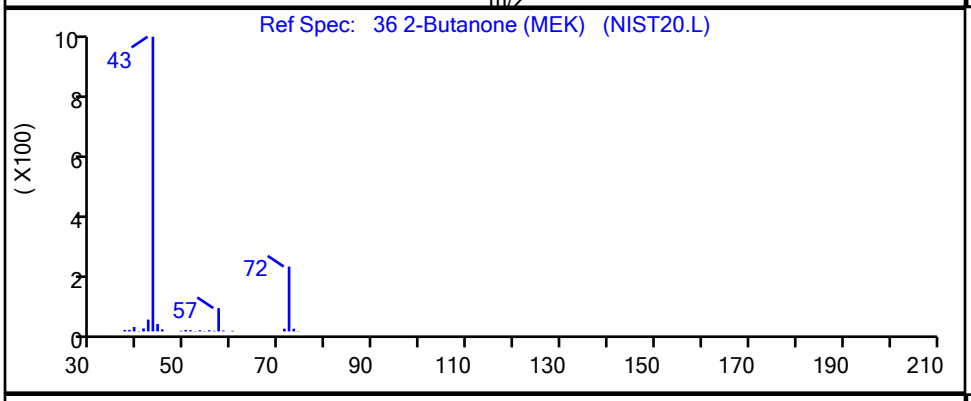
36 2-Butanone (MEK), CAS: 78-93-3

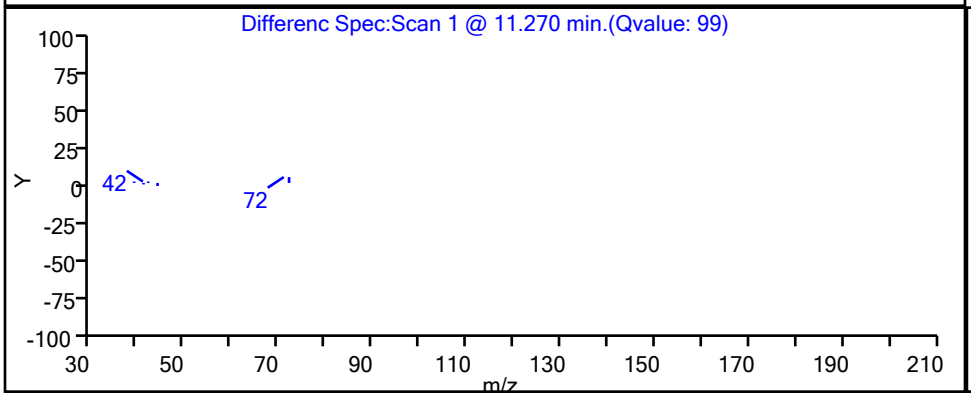


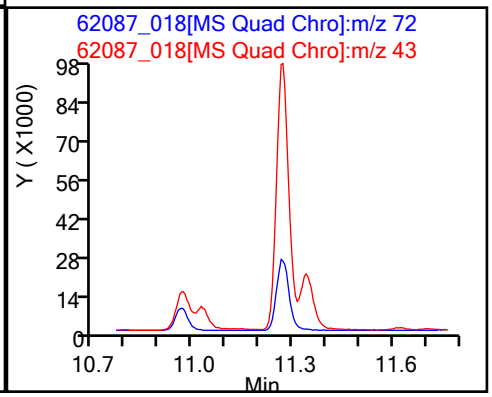












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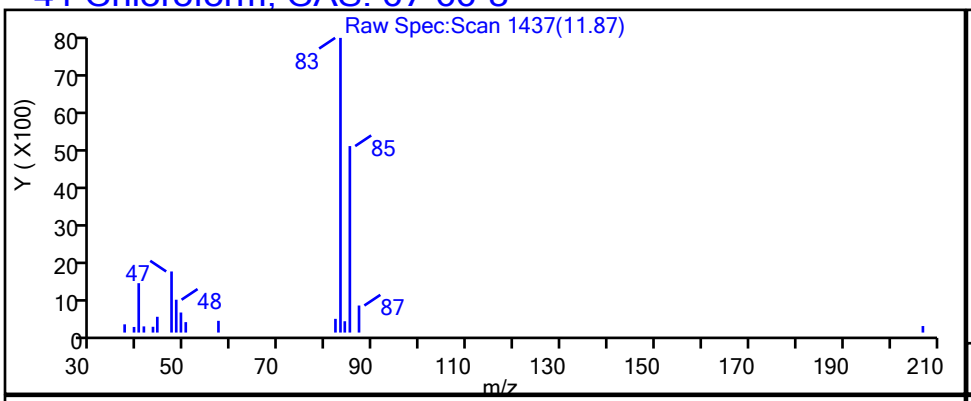
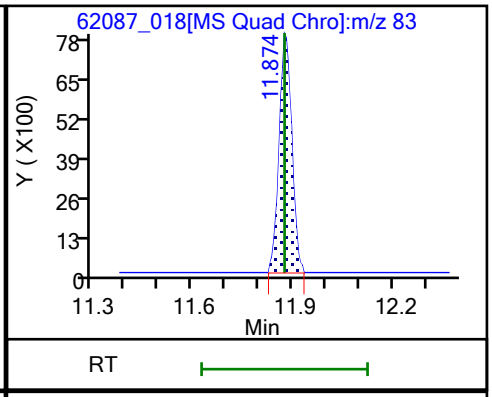
Eurofins Burlington

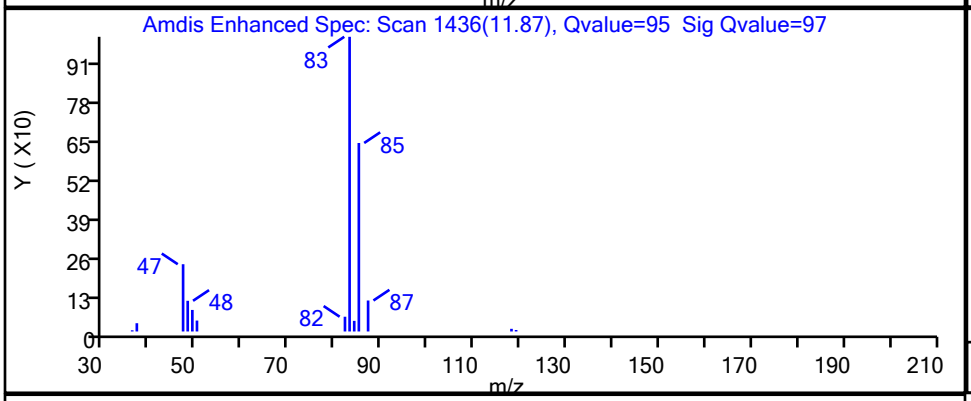
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

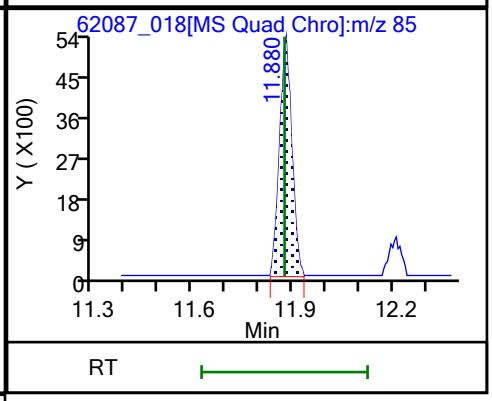
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

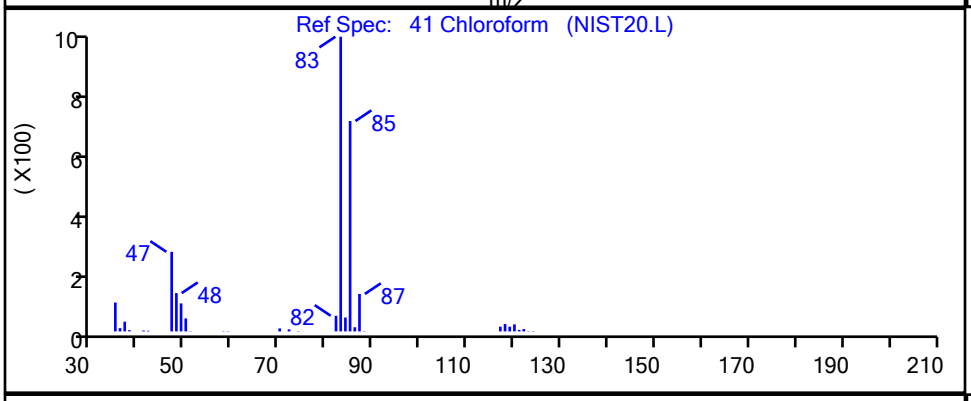
41 Chloroform, CAS: 67-66-3

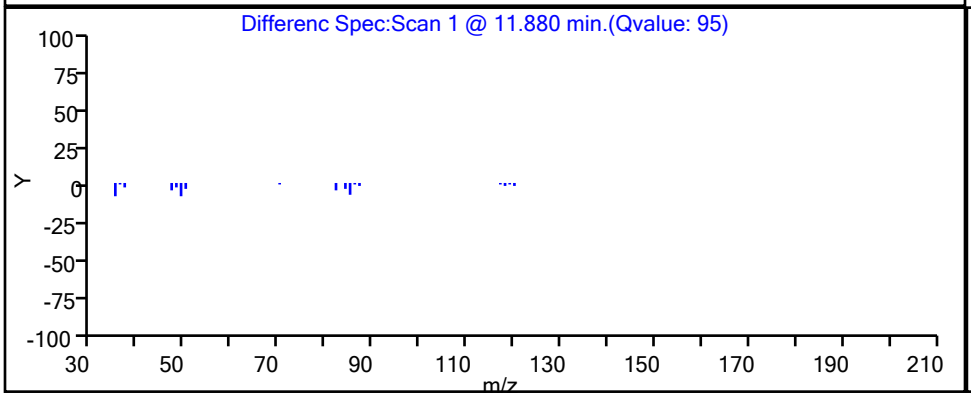


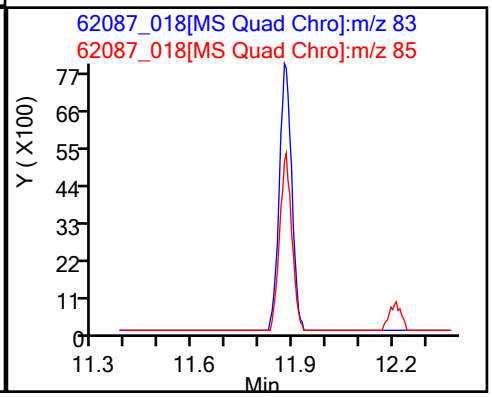












Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date: 17-Sep-2024 22:02:19 Instrument ID: CHAM.i

Lims ID: 200-75119-A-2 Lab Sample ID: 200-75119-2

Client ID: RXSV-2

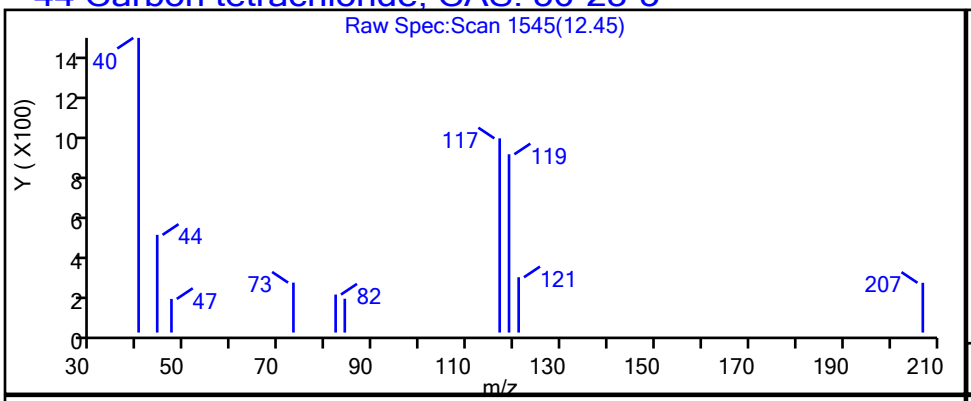
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 18

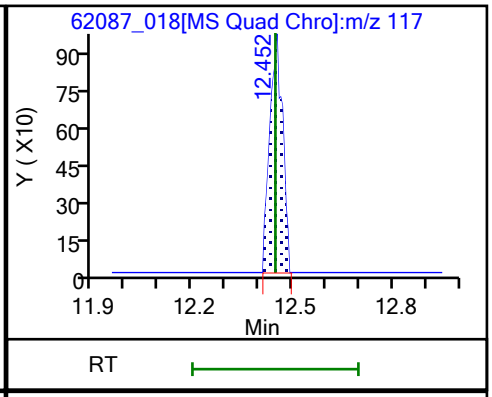
Purge Vol: 200.000 mL Dil. Factor: 1.0000

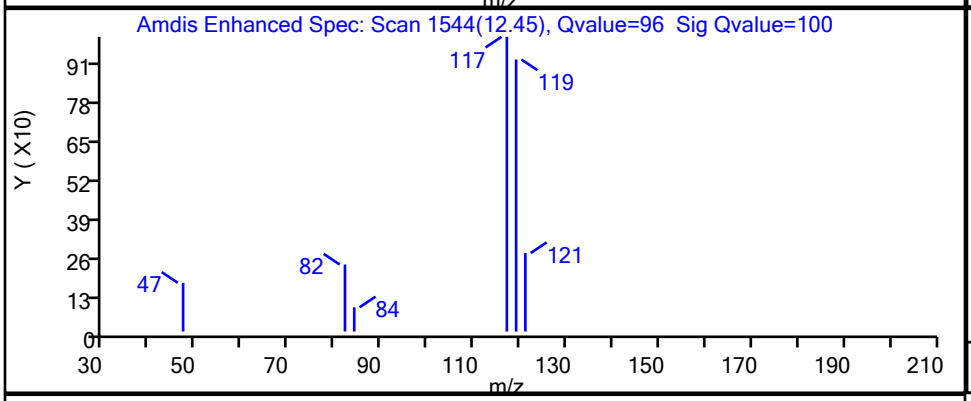
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

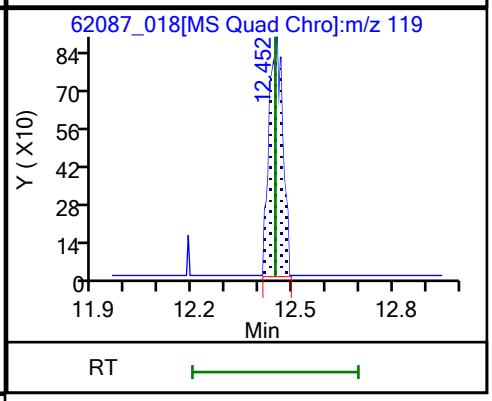
Column: RTX-624 (0.32 mm) Detector MS SCAN

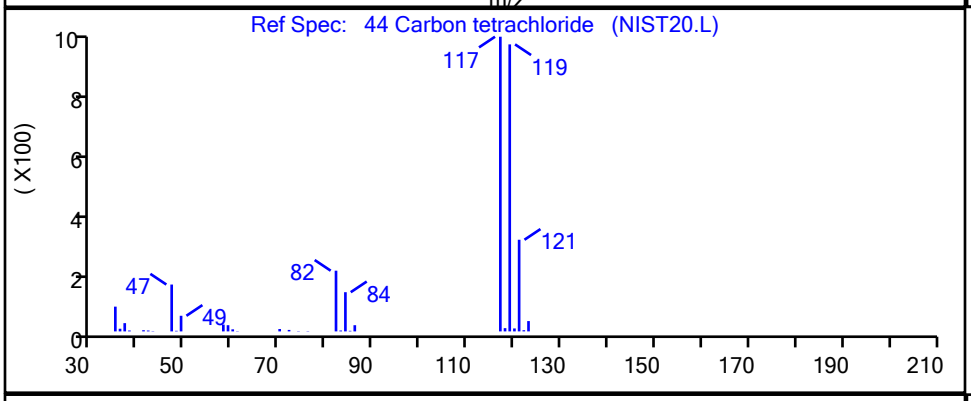
44 Carbon tetrachloride, CAS: 56-23-5

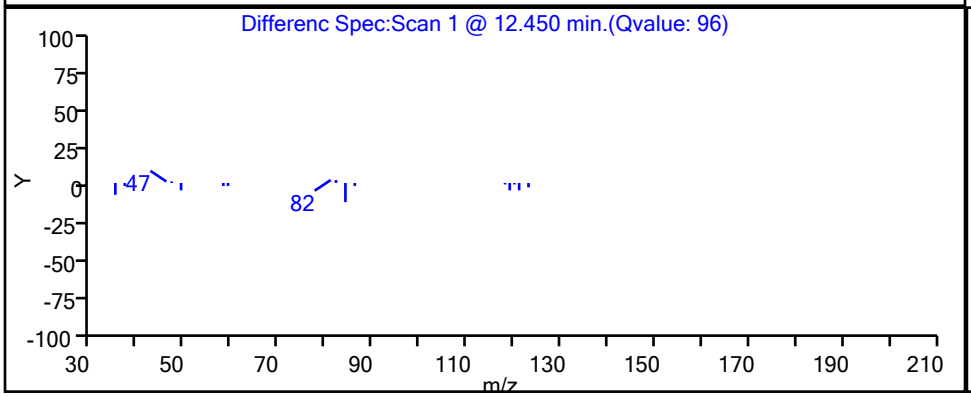


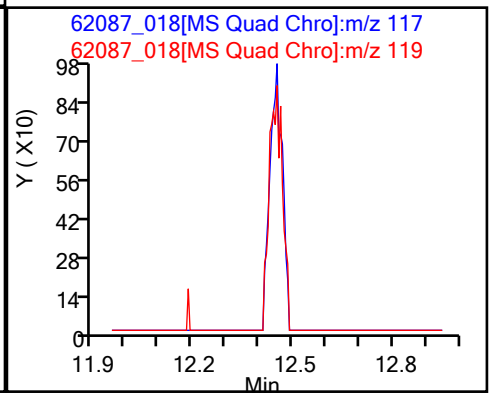












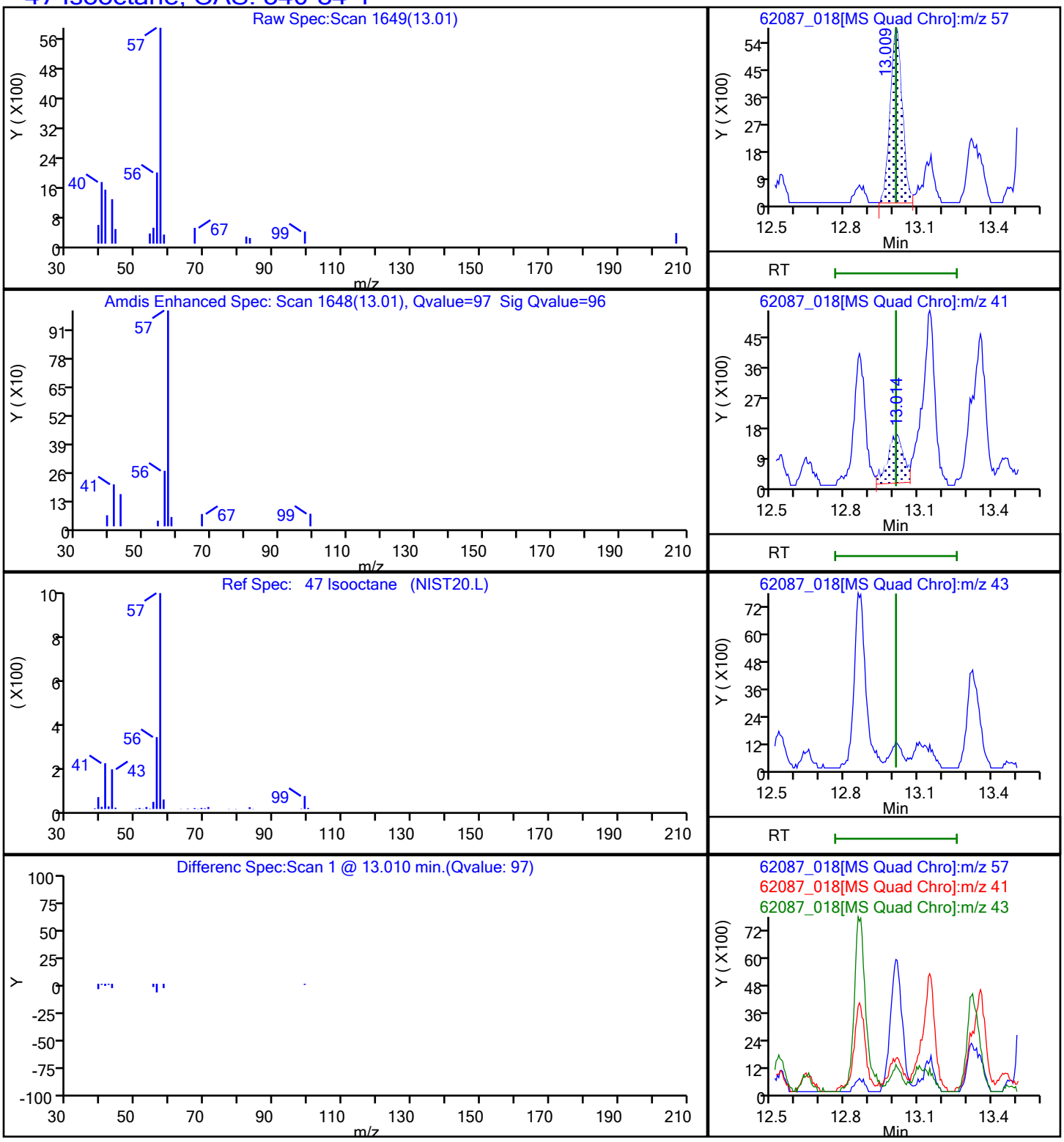
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1



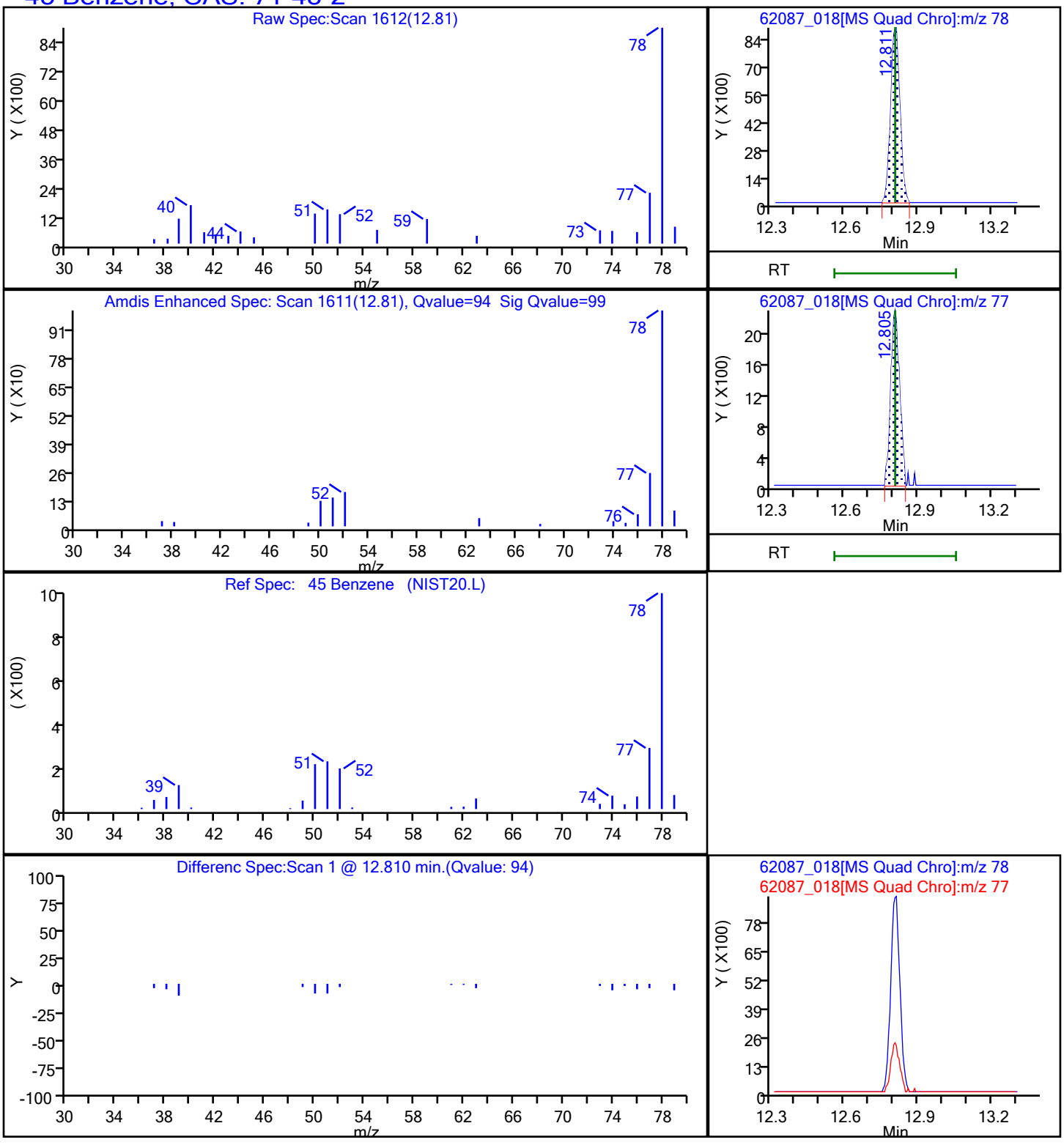
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Benzene, CAS: 71-43-2

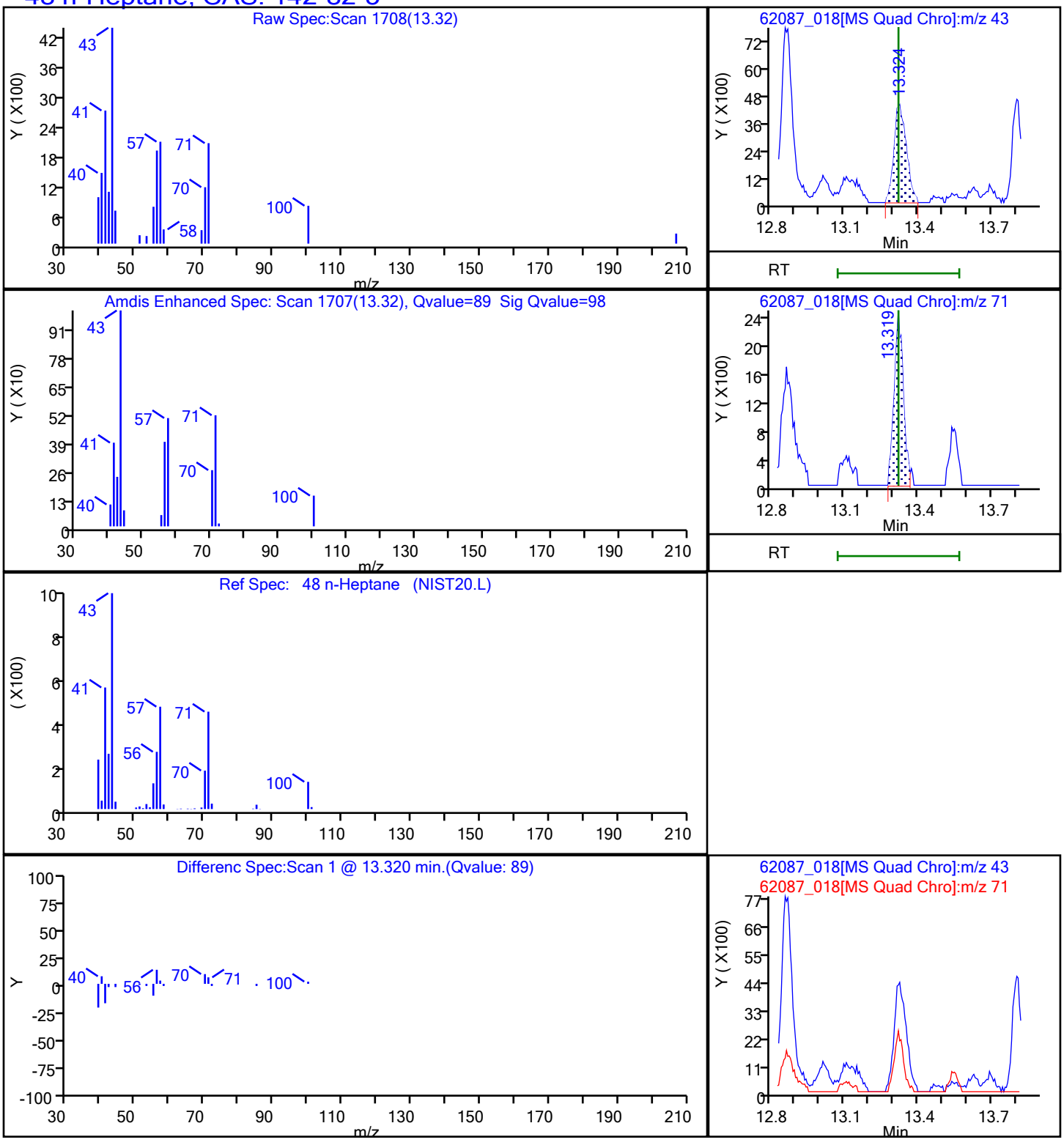


Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5



Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date: 17-Sep-2024 22:02:19 Instrument ID: CHAM.i

Lims ID: 200-75119-A-2 Lab Sample ID: 200-75119-2

Client ID: RXSV-2

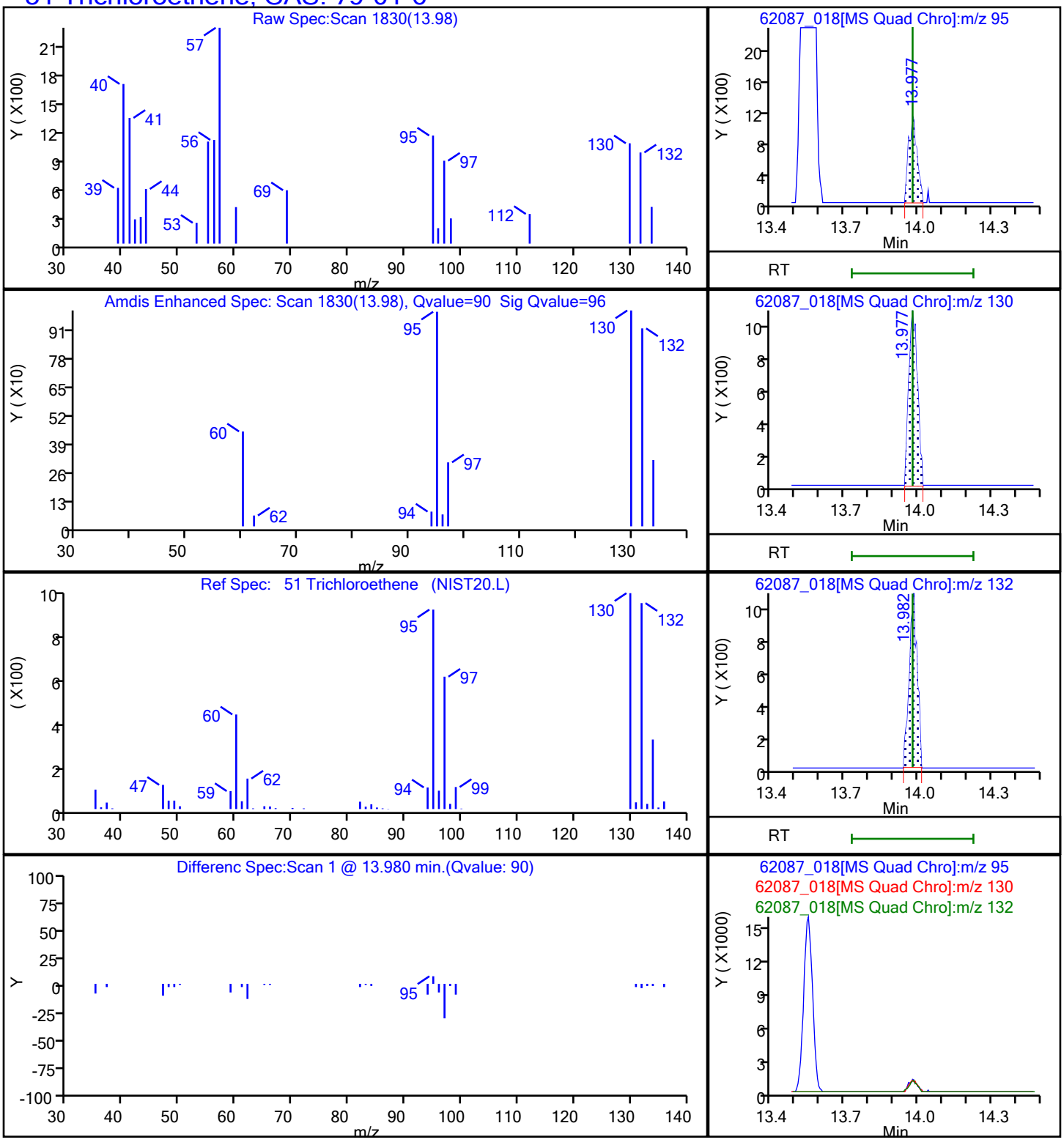
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 18

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

51 Trichloroethene, CAS: 79-01-6



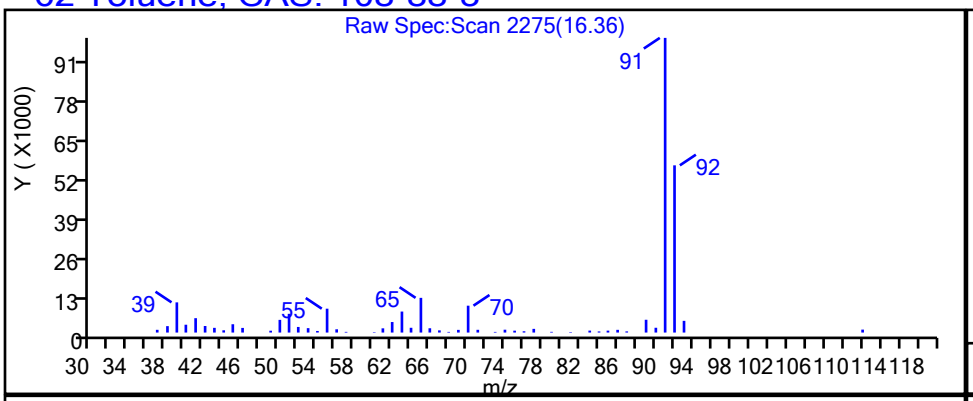
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

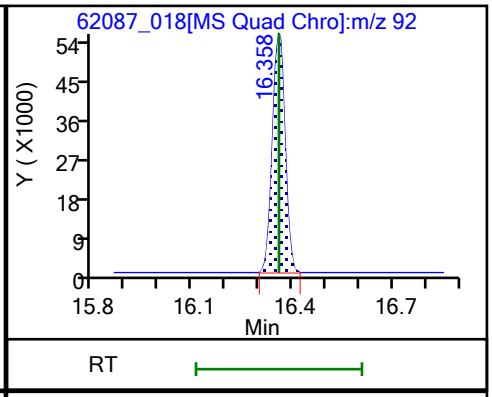
Eurofins Burlington

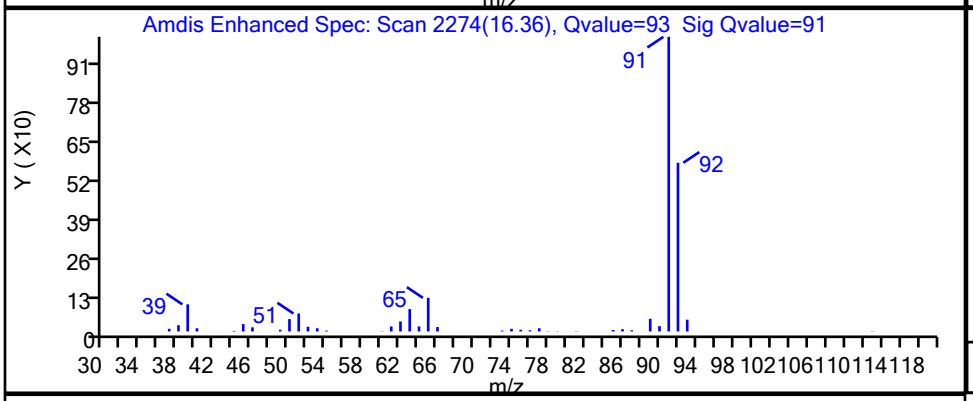
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

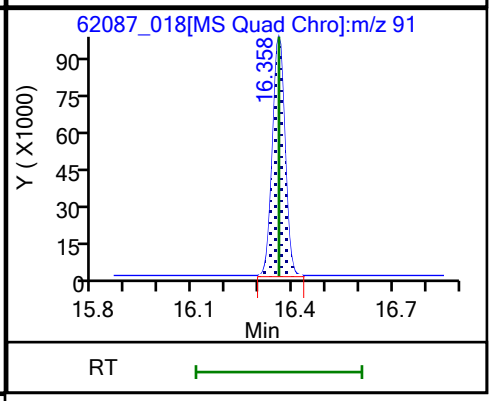
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

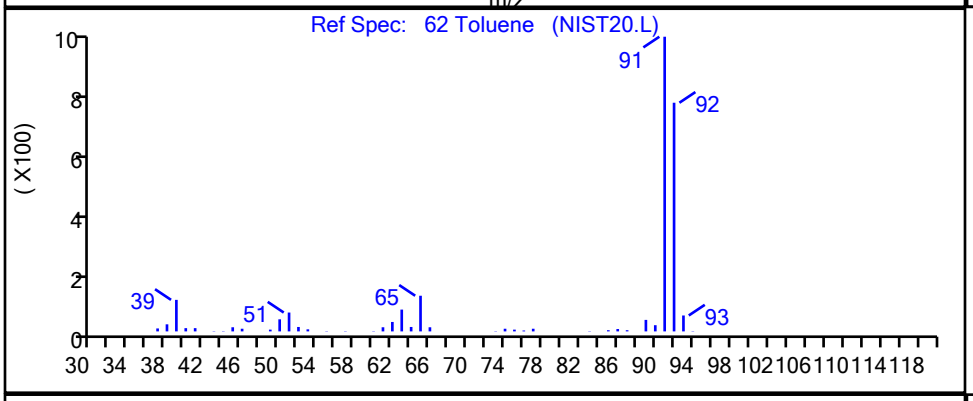
62 Toluene, CAS: 108-88-3

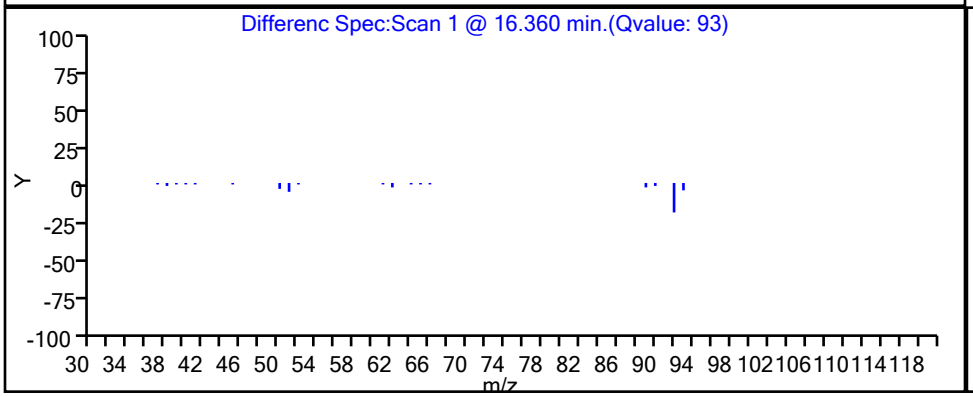


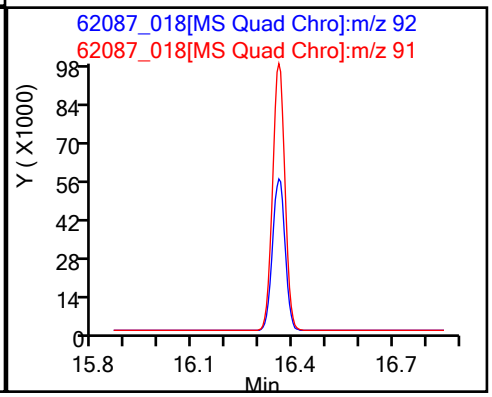












Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date: 17-Sep-2024 22:02:19 Instrument ID: CHAM.i

Lims ID: 200-75119-A-2 Lab Sample ID: 200-75119-2

Client ID: RXSV-2

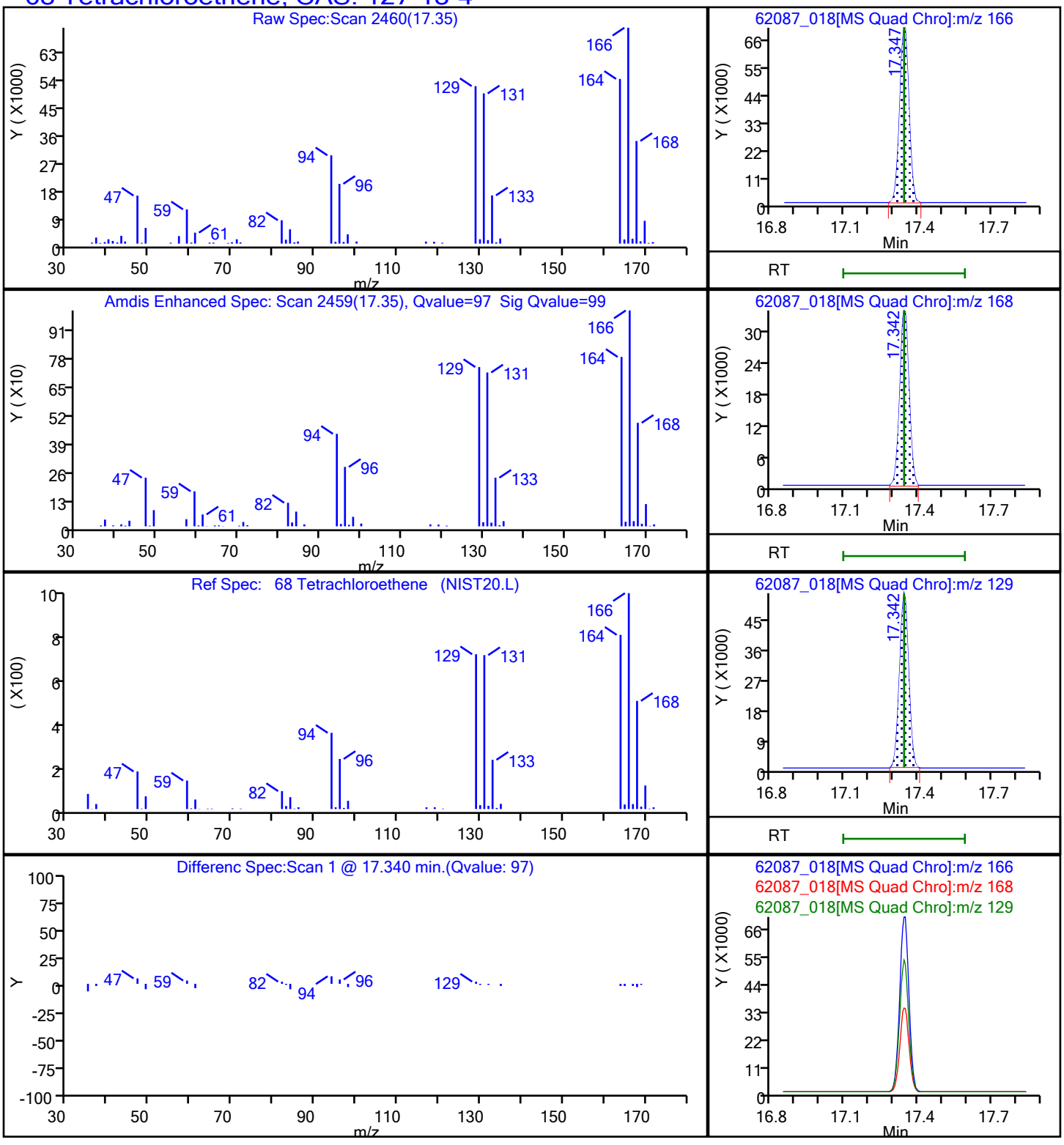
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 18

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

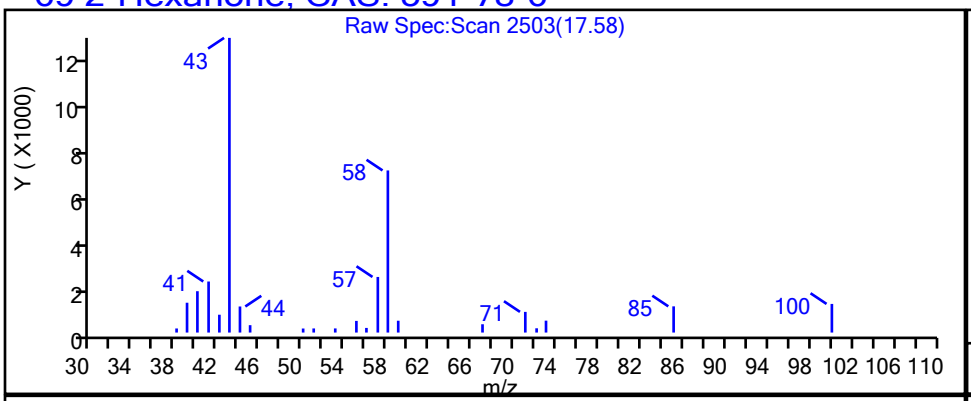


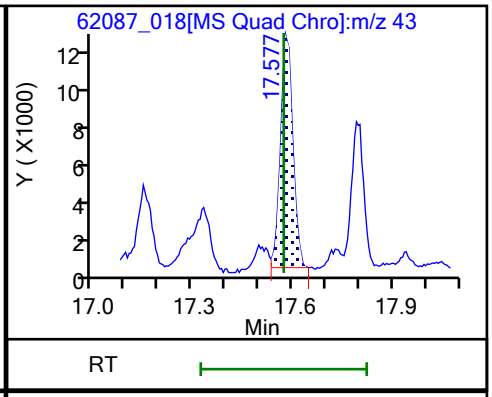
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

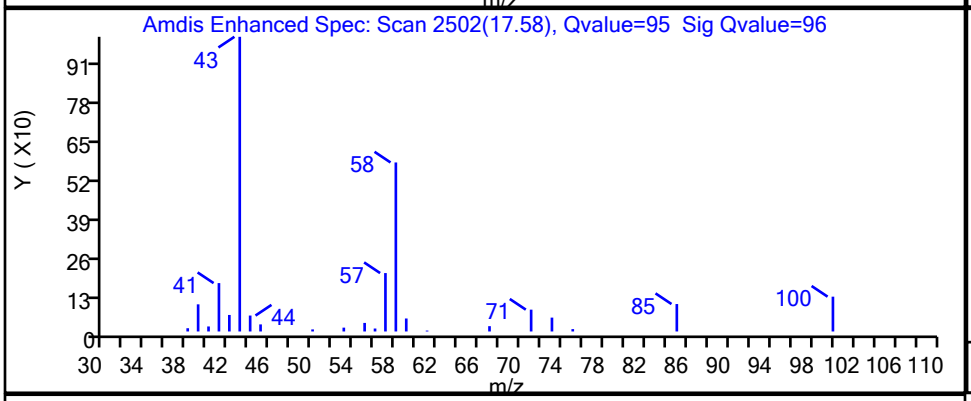
Eurofins Burlington

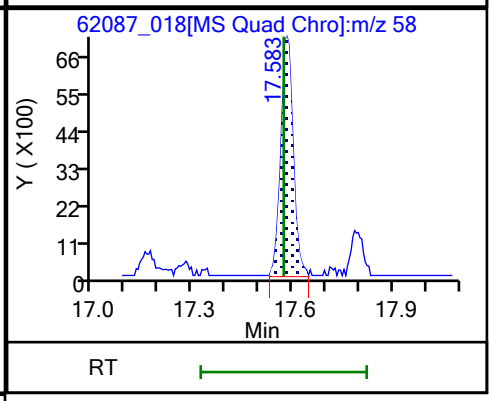
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

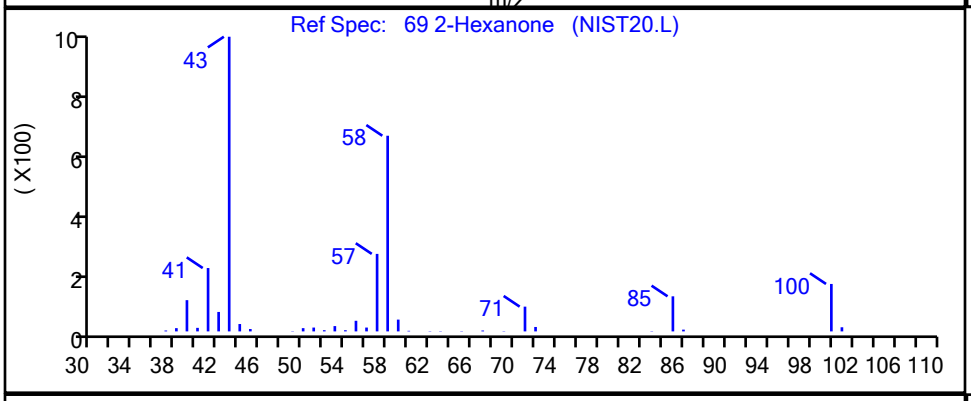
69 2-Hexanone, CAS: 591-78-6

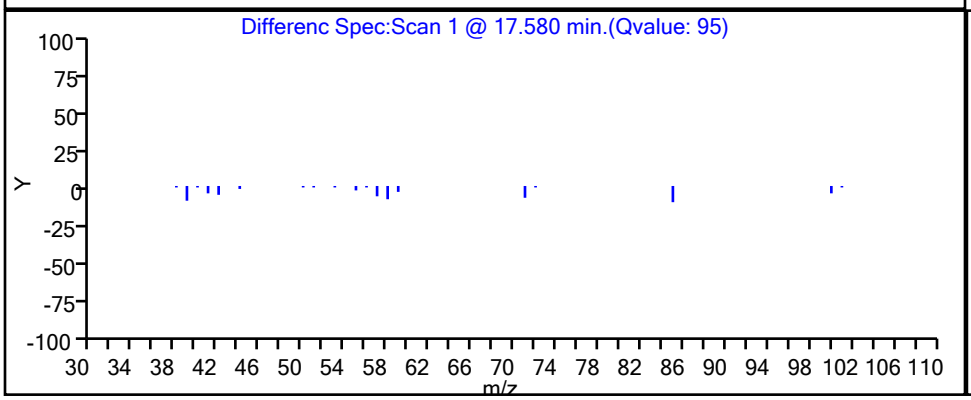


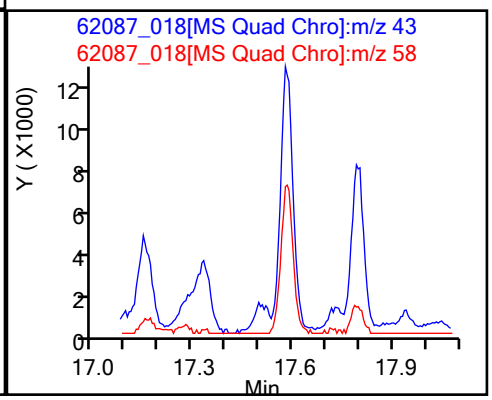












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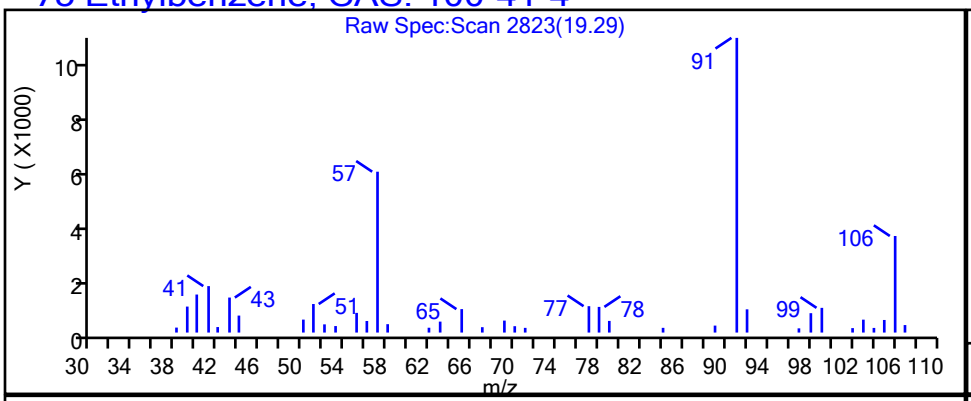
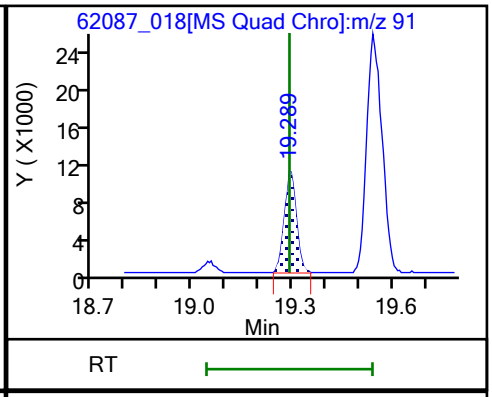
Eurofins Burlington

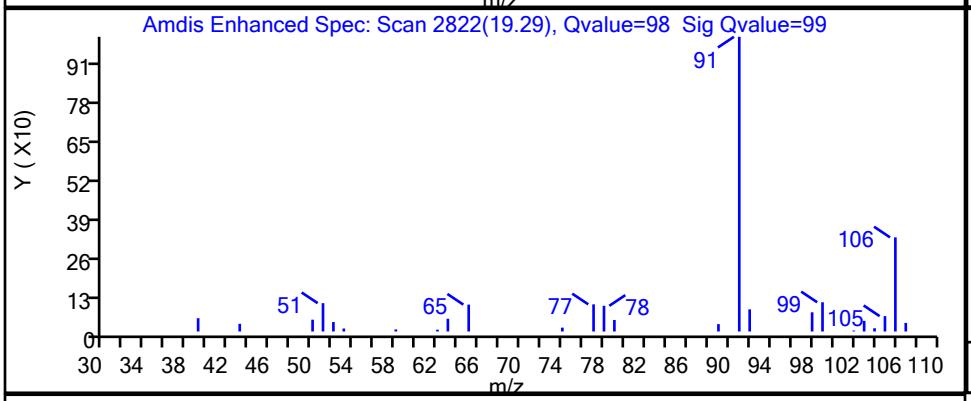
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

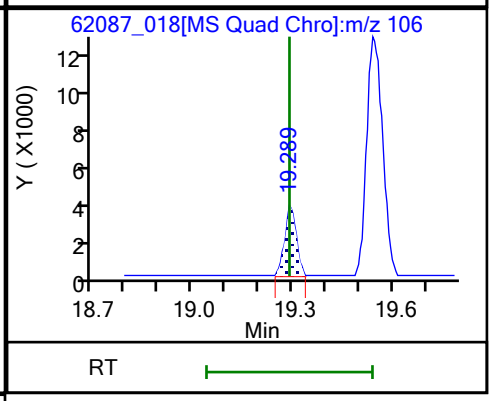
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

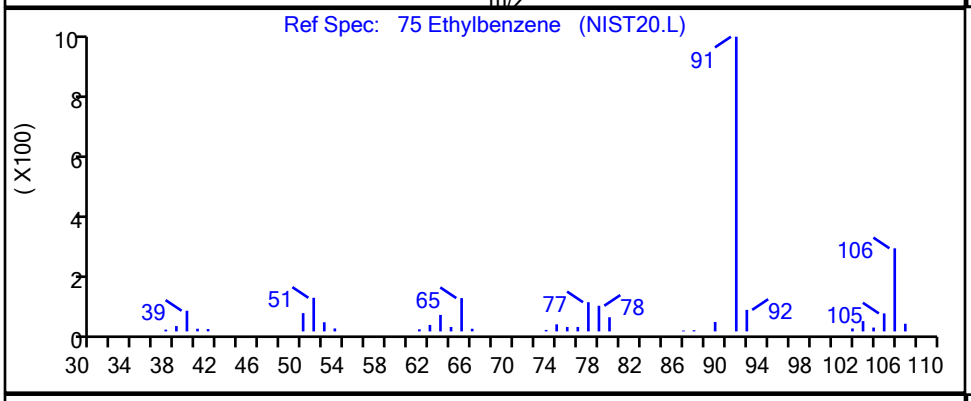
75 Ethylbenzene, CAS: 100-41-4

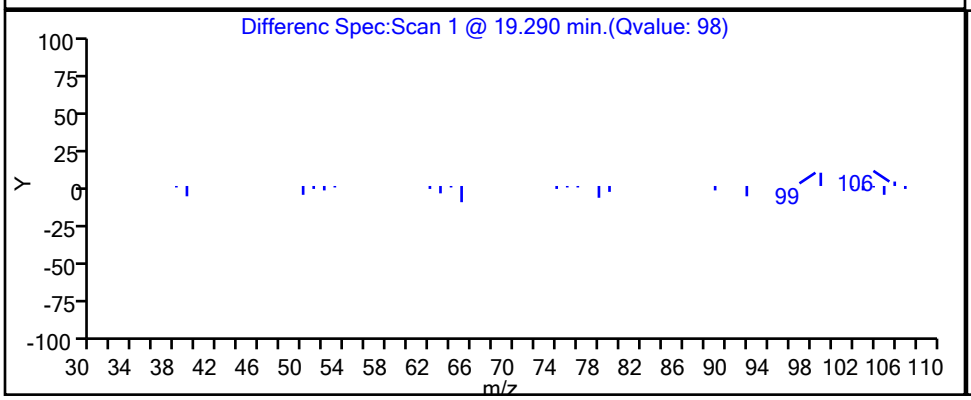


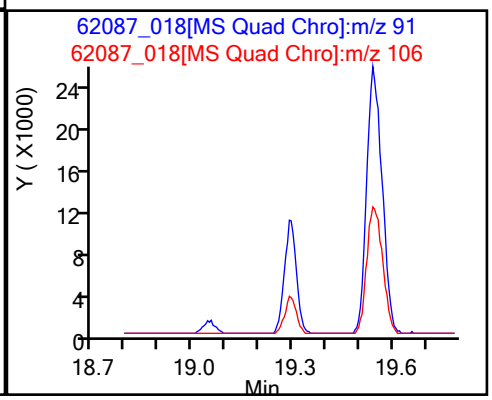












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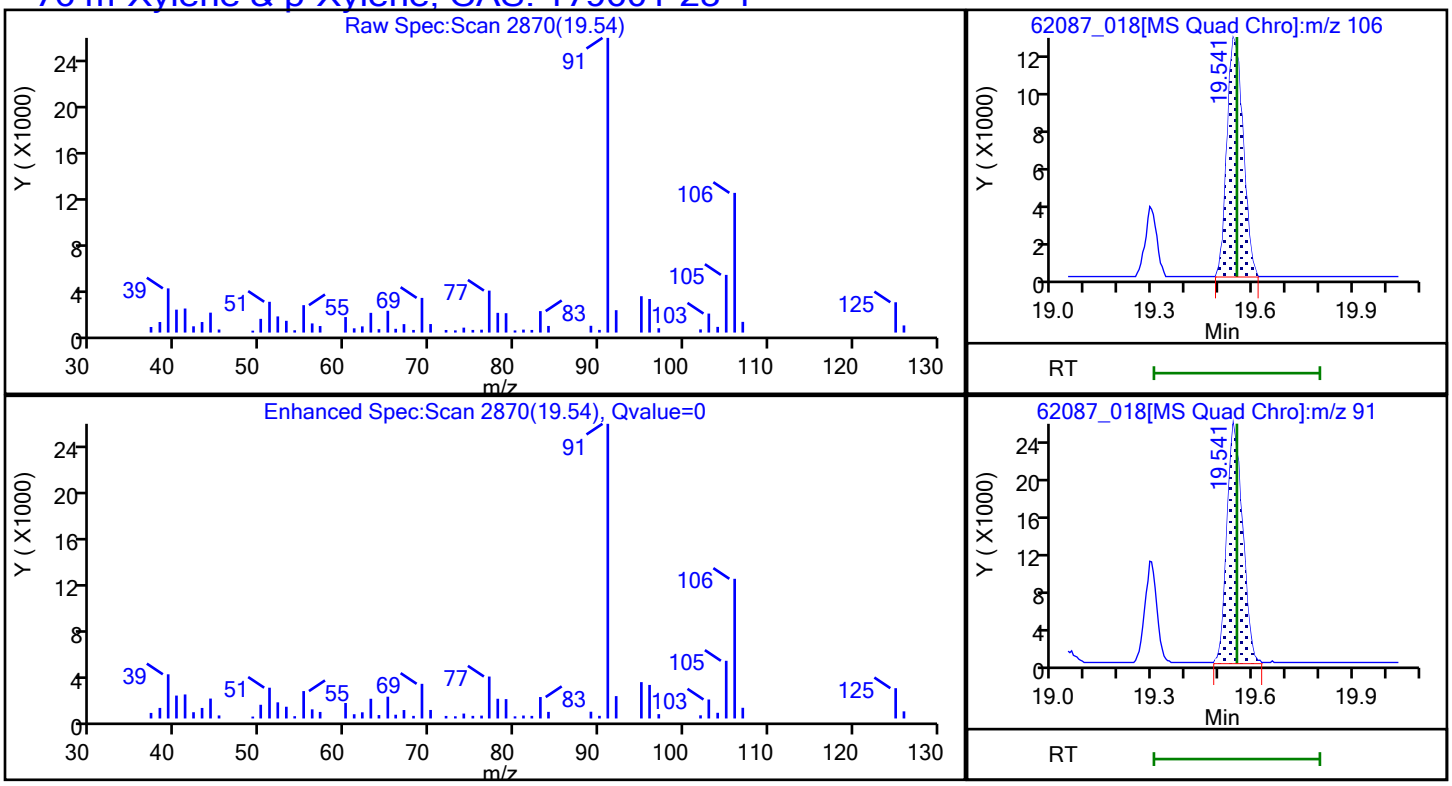
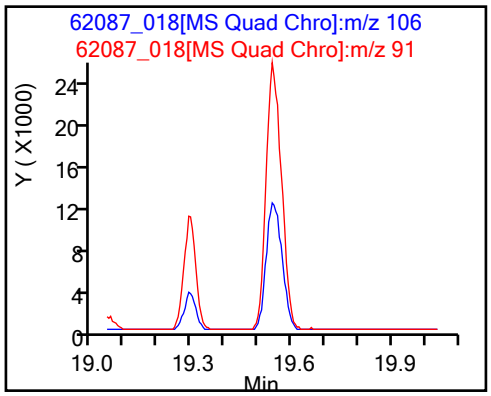
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1



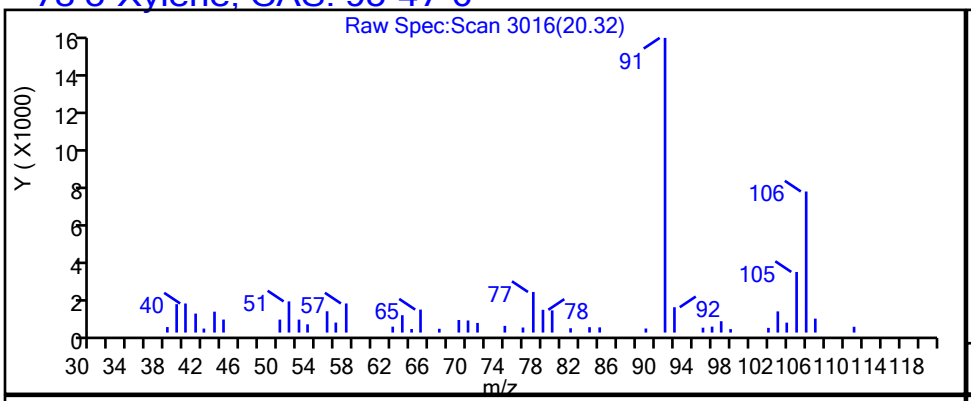


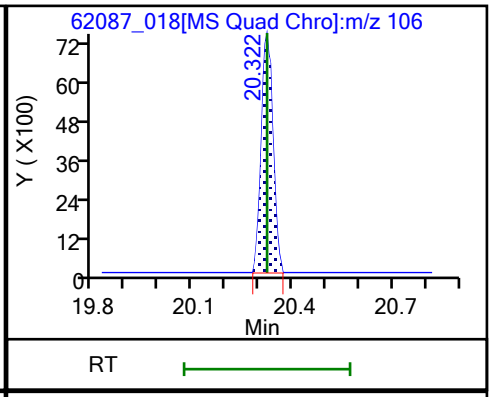
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

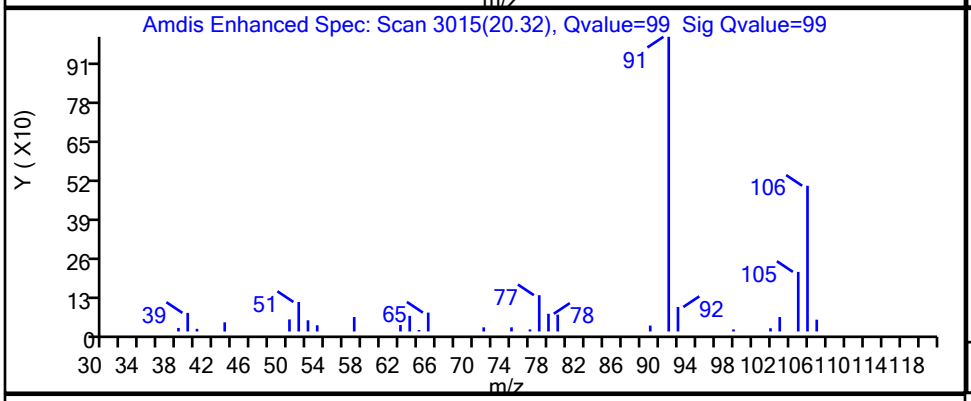
Eurofins Burlington

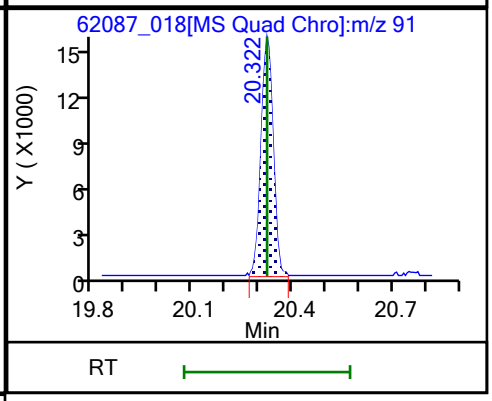
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

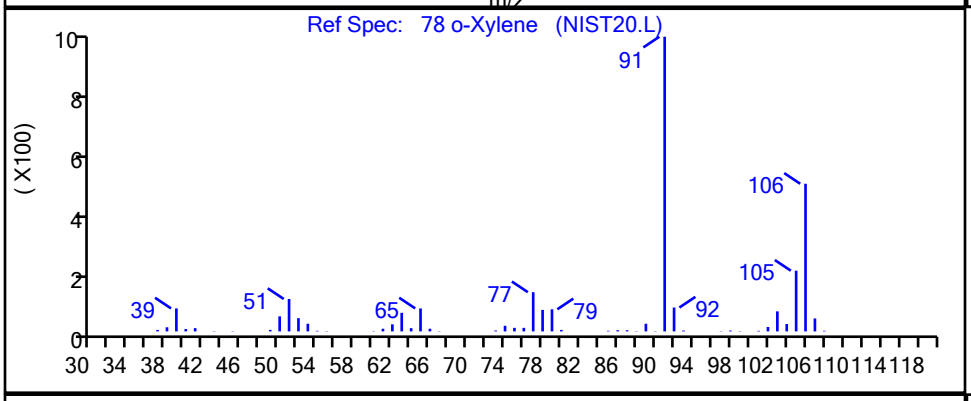
78 o-Xylene, CAS: 95-47-6

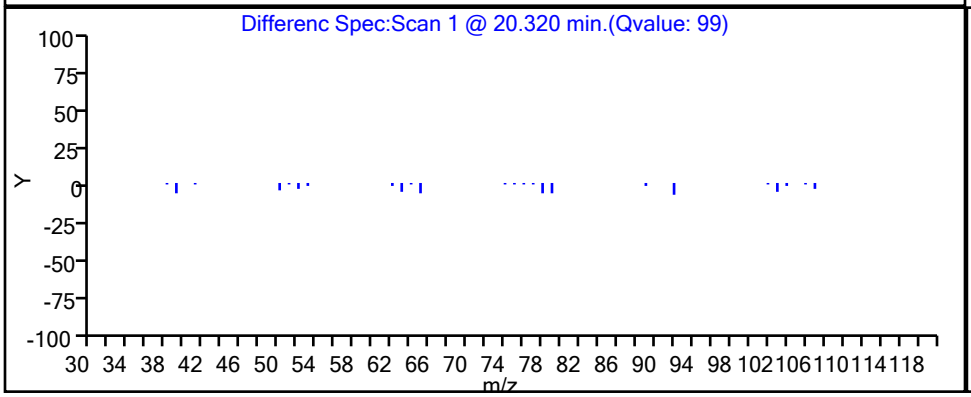


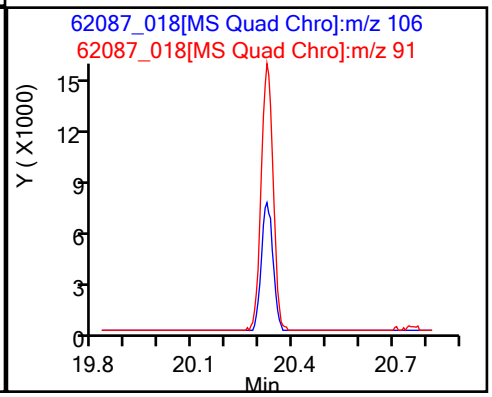












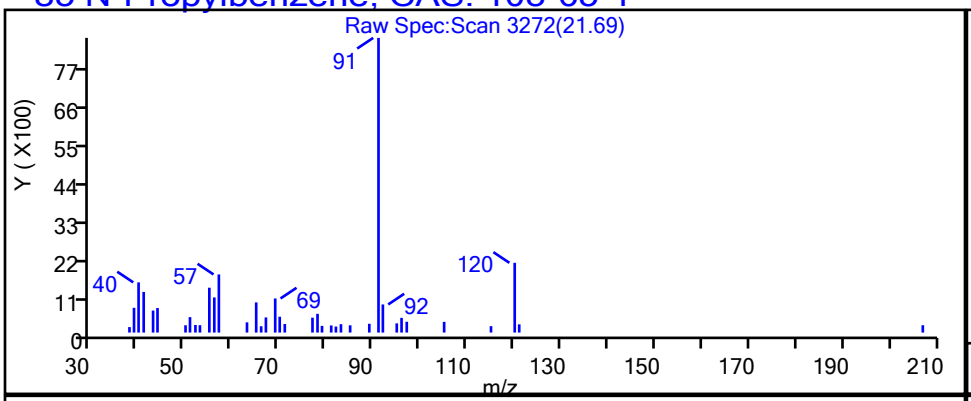
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

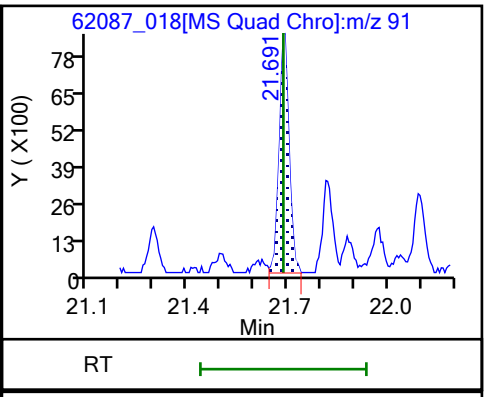
Eurofins Burlington

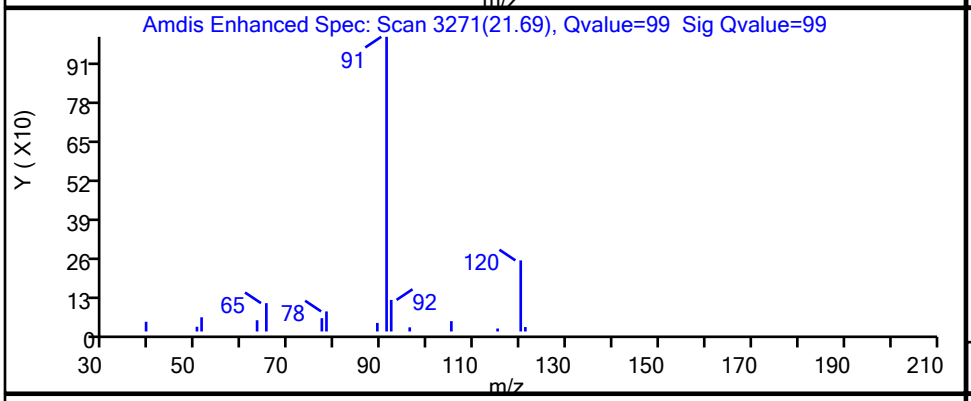
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

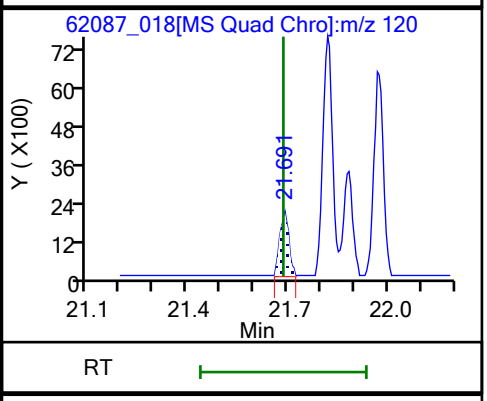
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

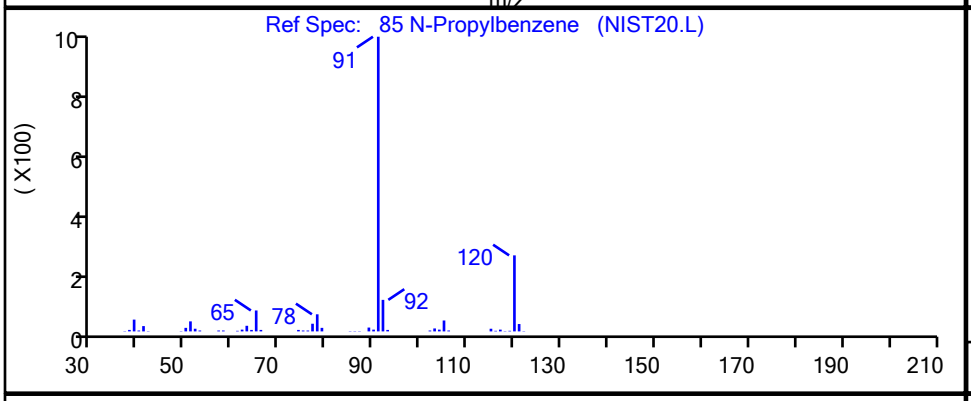
85 N-Propylbenzene, CAS: 103-65-1

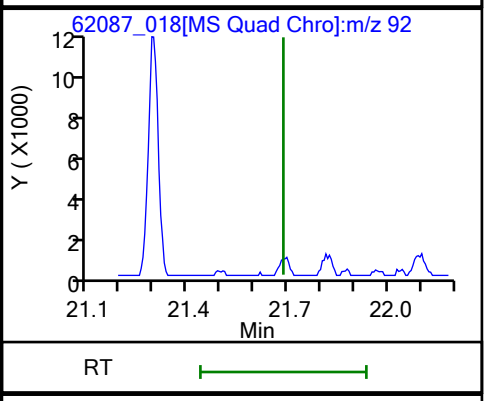


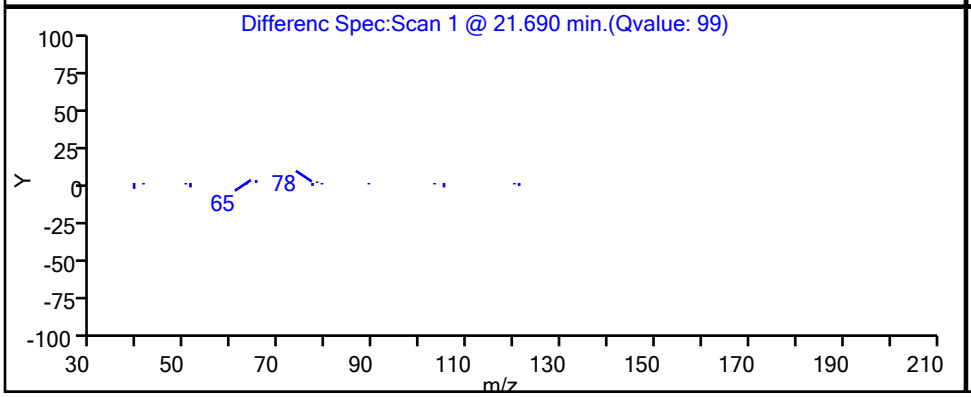


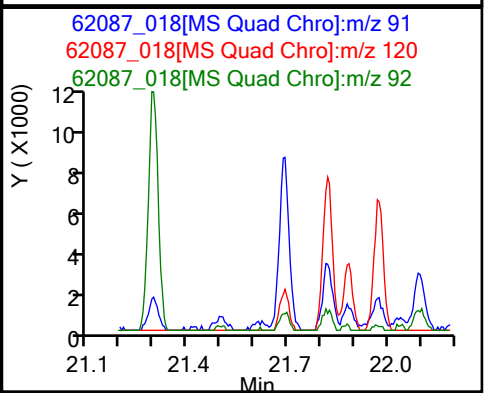












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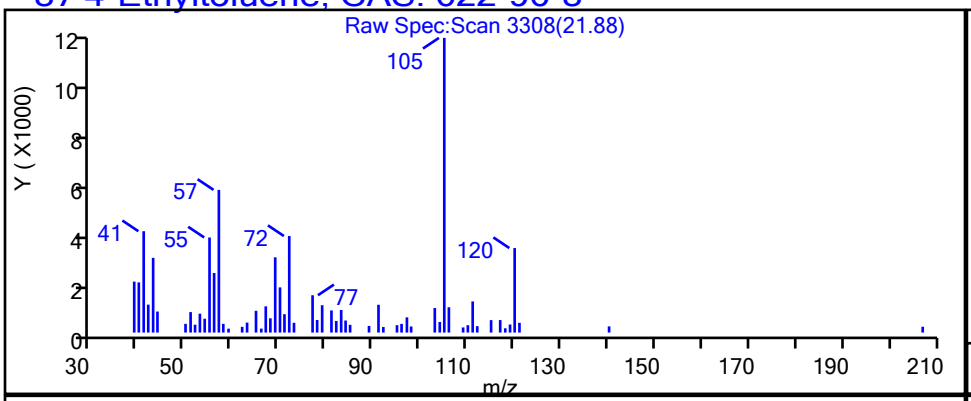
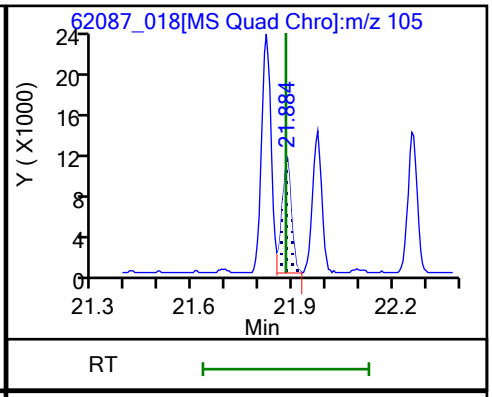
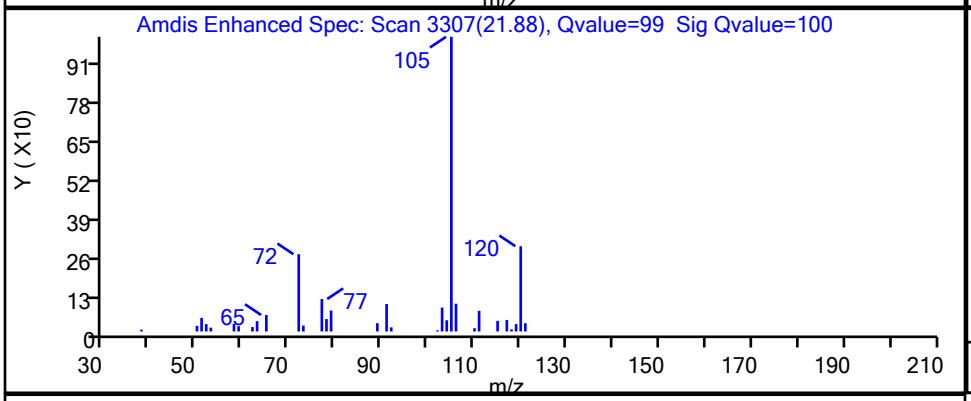
Eurofins Burlington

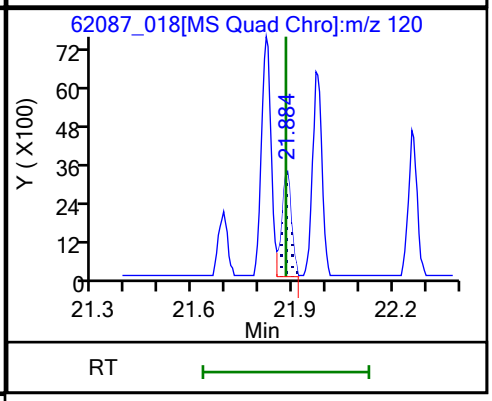
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

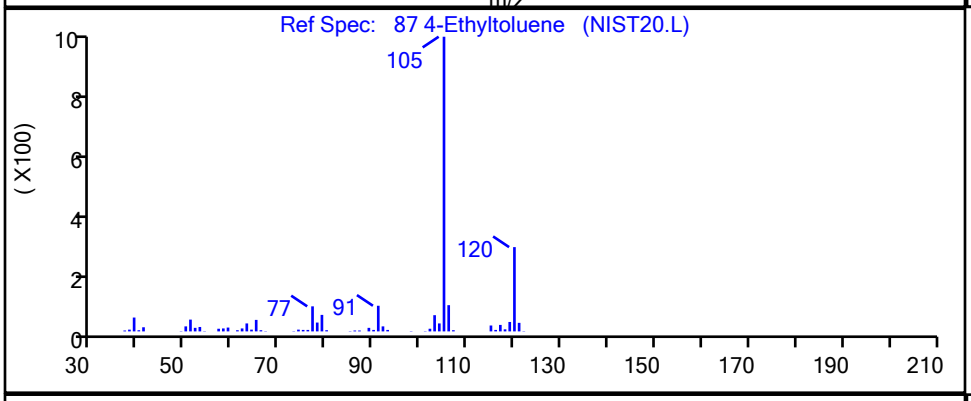
87 4-Ethyltoluene, CAS: 622-96-8

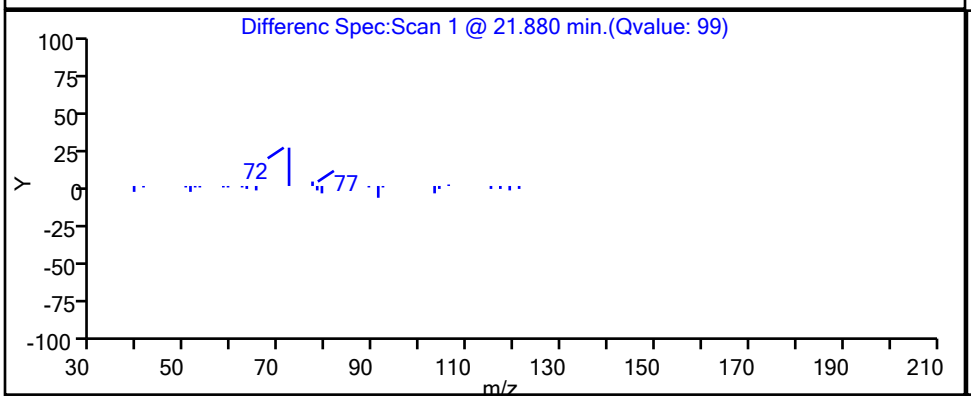


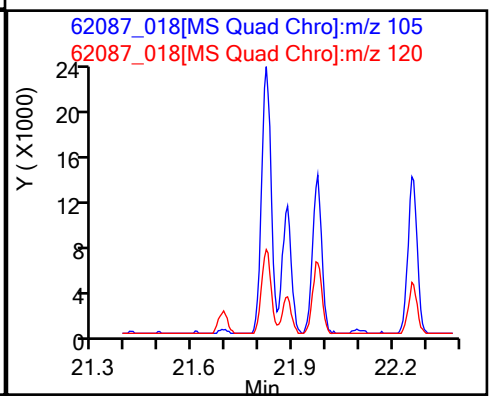












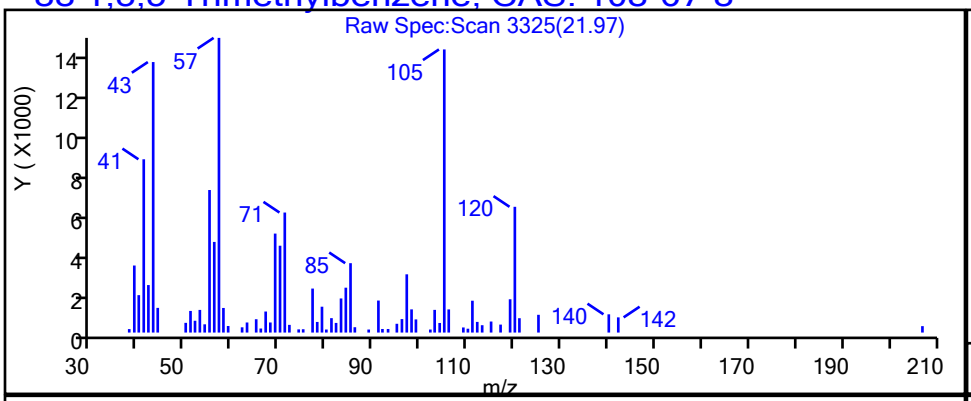
Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

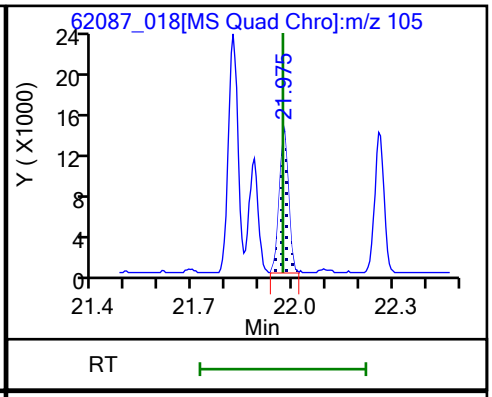
Eurofins Burlington

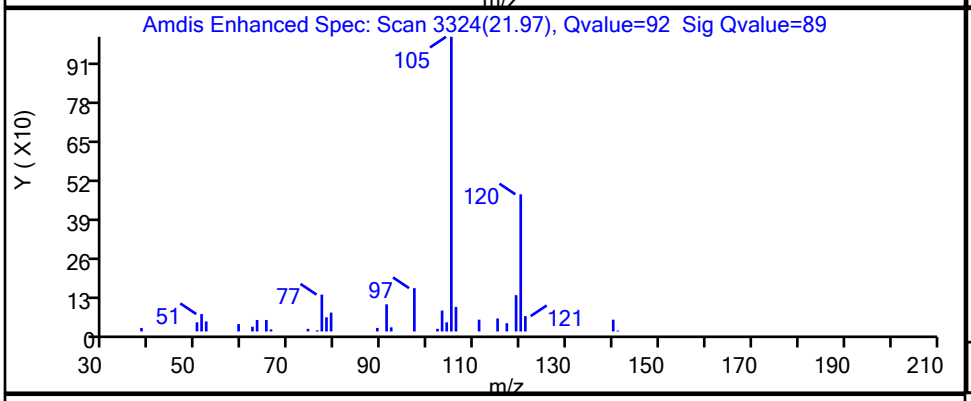
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

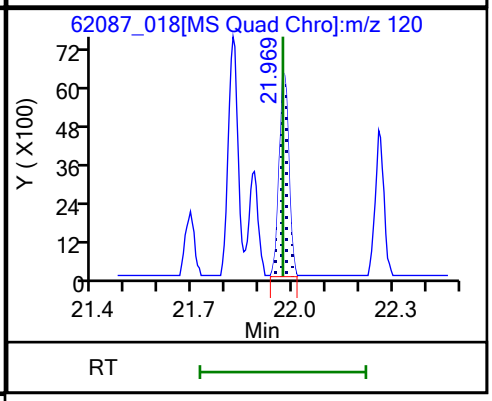
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

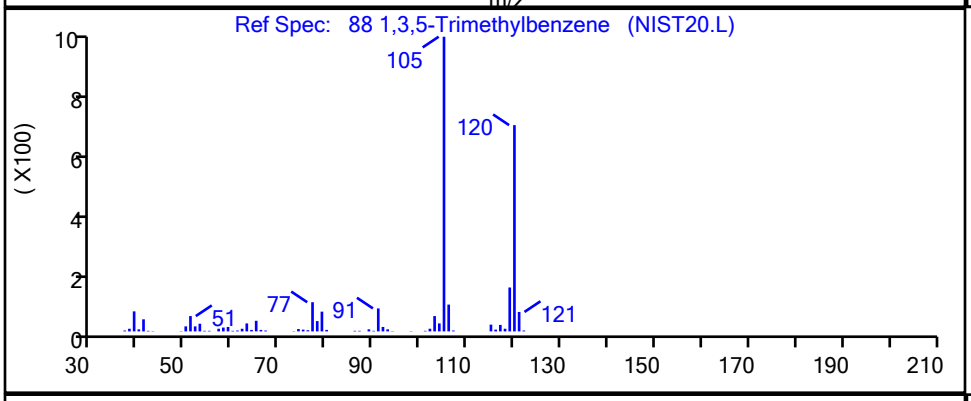
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

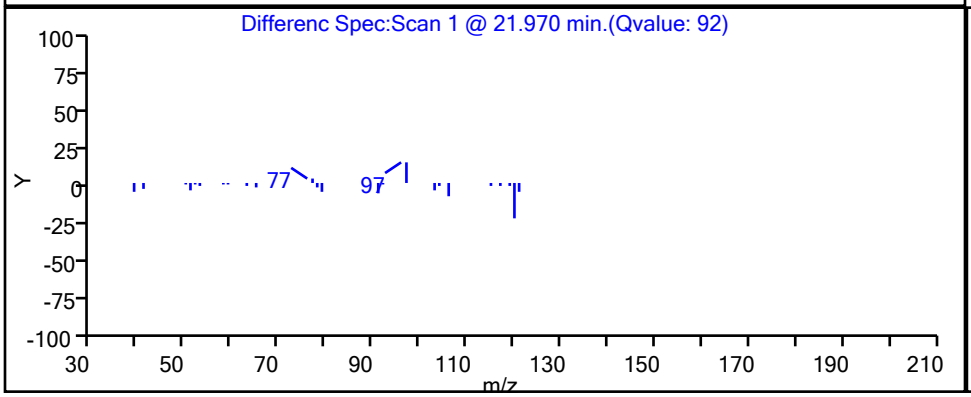


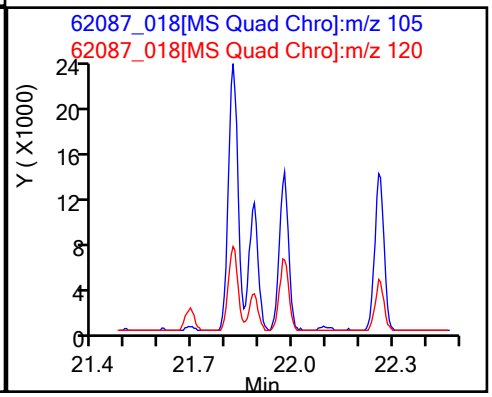












Report Date: 18-Sep-2024 10:13:53 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D

Injection Date: 17-Sep-2024 22:02:19 Instrument ID: CHAM.i

Lims ID: 200-75119-A-2 Lab Sample ID: 200-75119-2

Client ID: RXSV-2

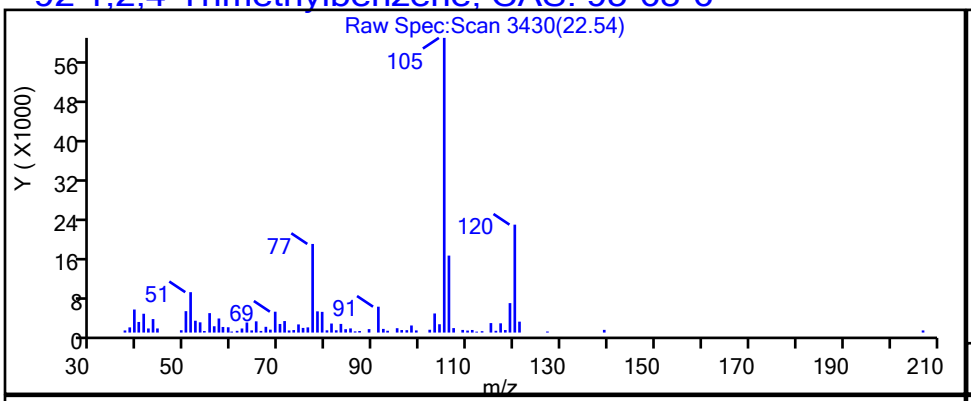
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 18

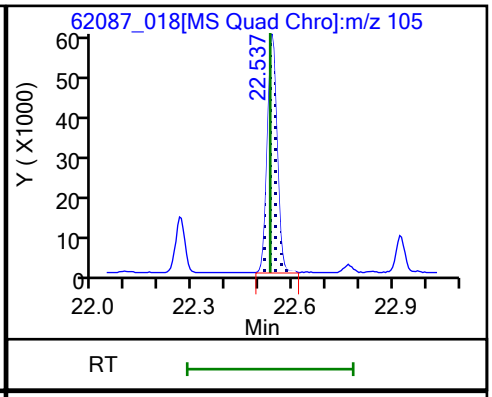
Purge Vol: 200.000 mL Dil. Factor: 1.0000

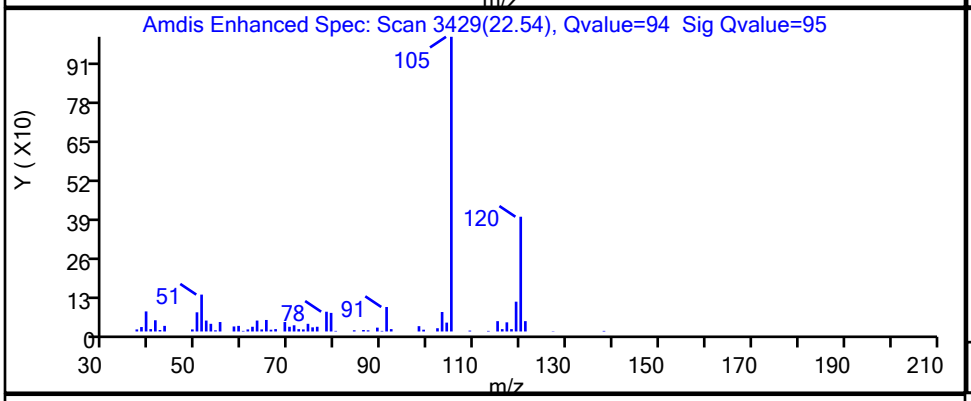
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

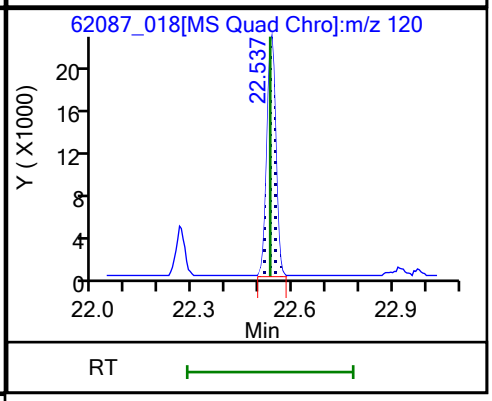
Column: RTX-624 (0.32 mm) Detector MS SCAN

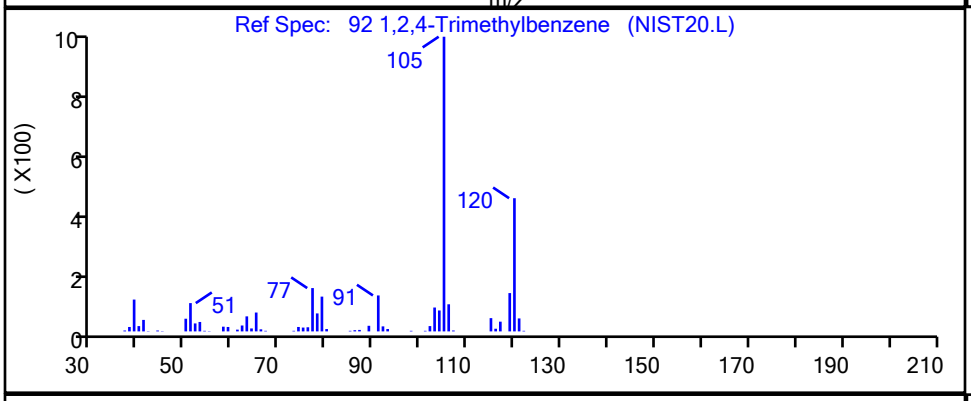
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

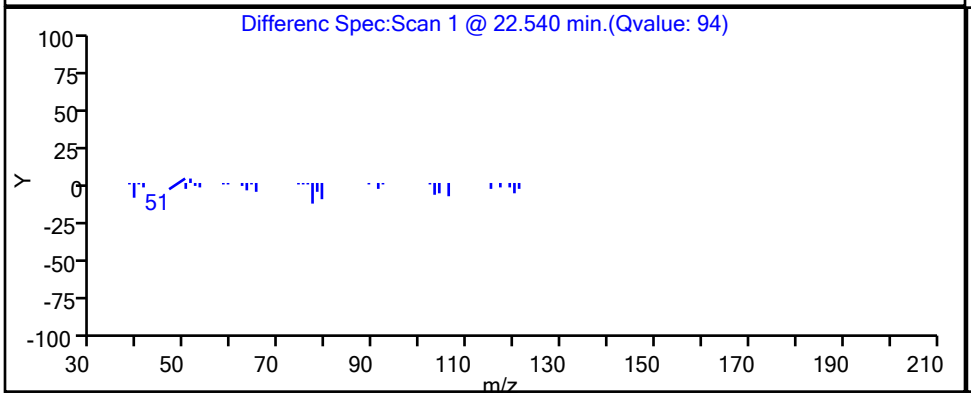


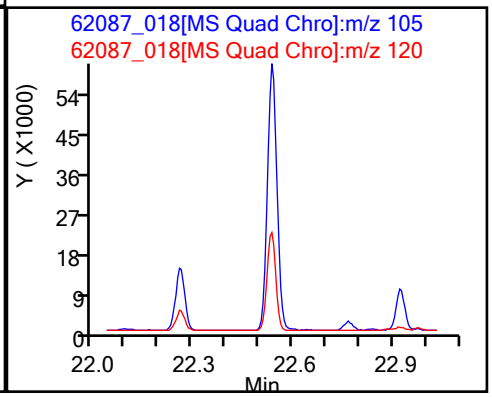












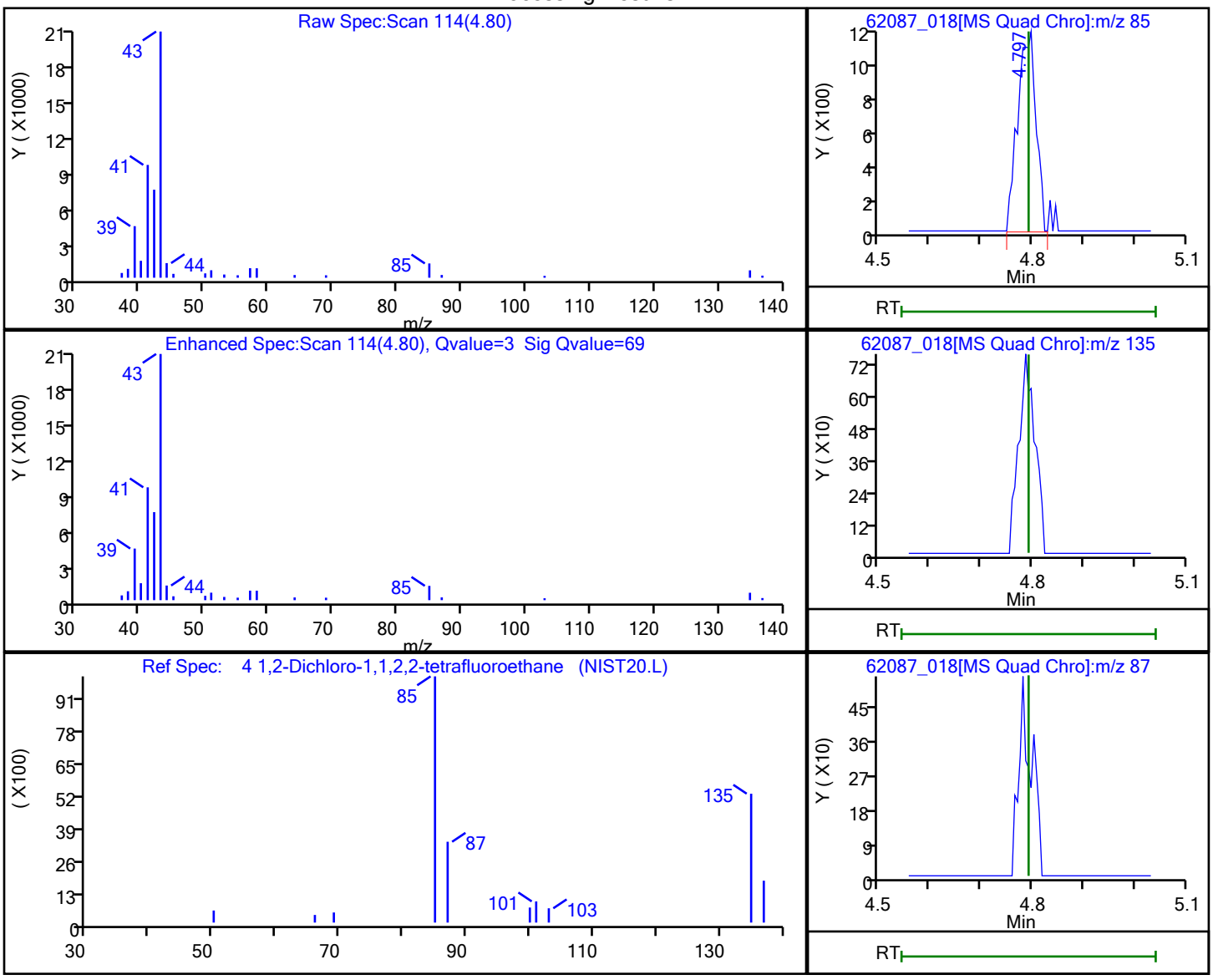
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
4.80	85.00	2986	0.022246
4.79	135.00	0	
4.79	87.00	0	

Reviewer: F7XK, 18-Sep-2024 10:08:02 07:00:00 (UTC)

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

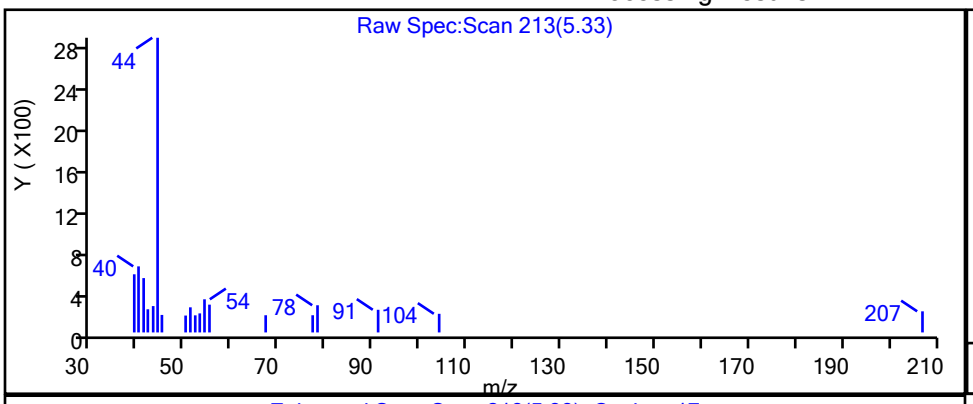
User Disabled Compound Report

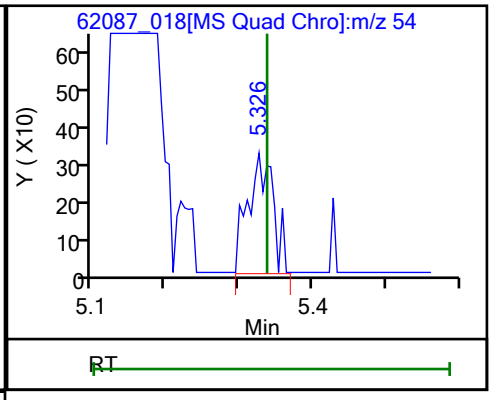
Eurofins Burlington

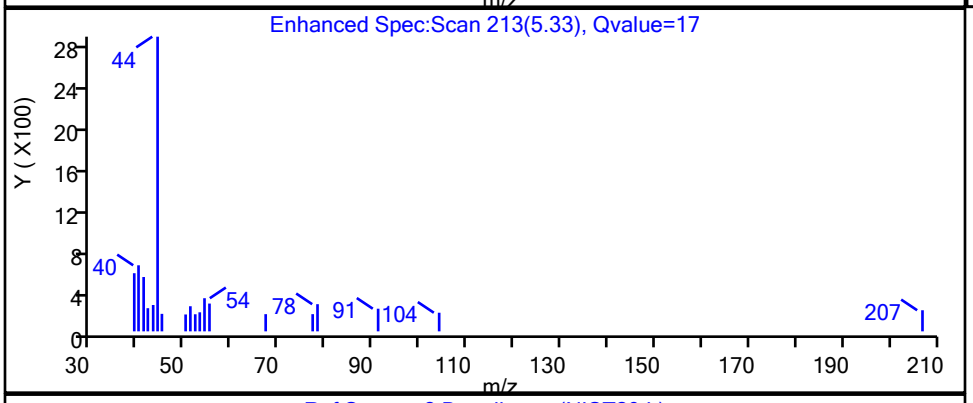
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

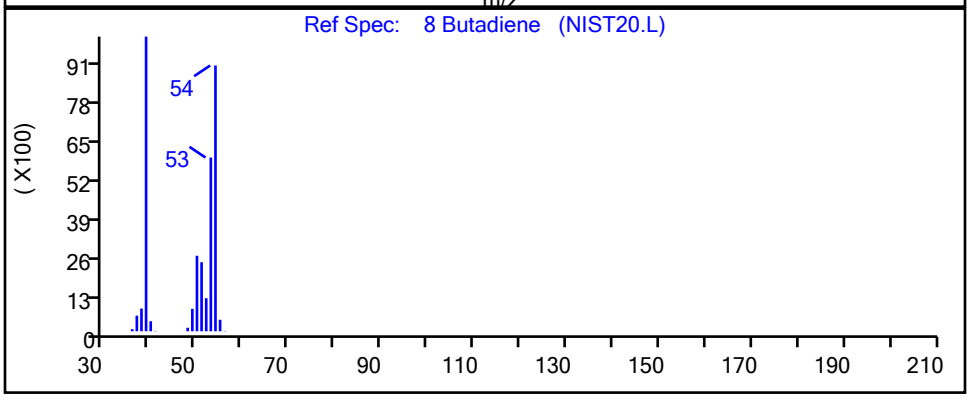
8 Butadiene, CAS: 106-99-0

Processing Results









RT	Mass	Response	Amount
5.33	54.00	769	0.020856

Reviewer: F7XK, 18-Sep-2024 10:08:20 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

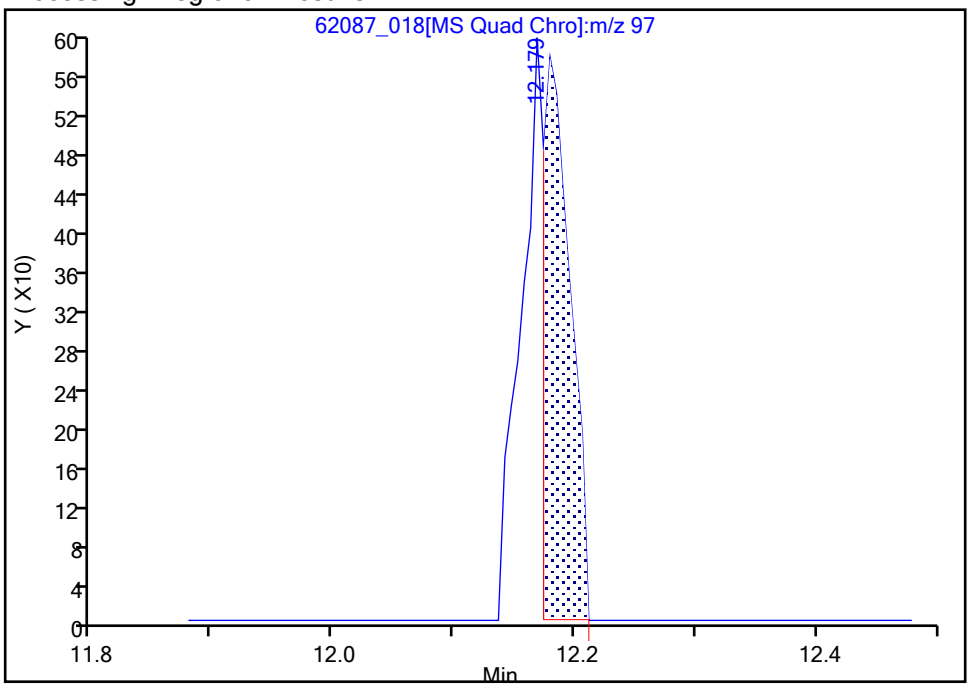
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

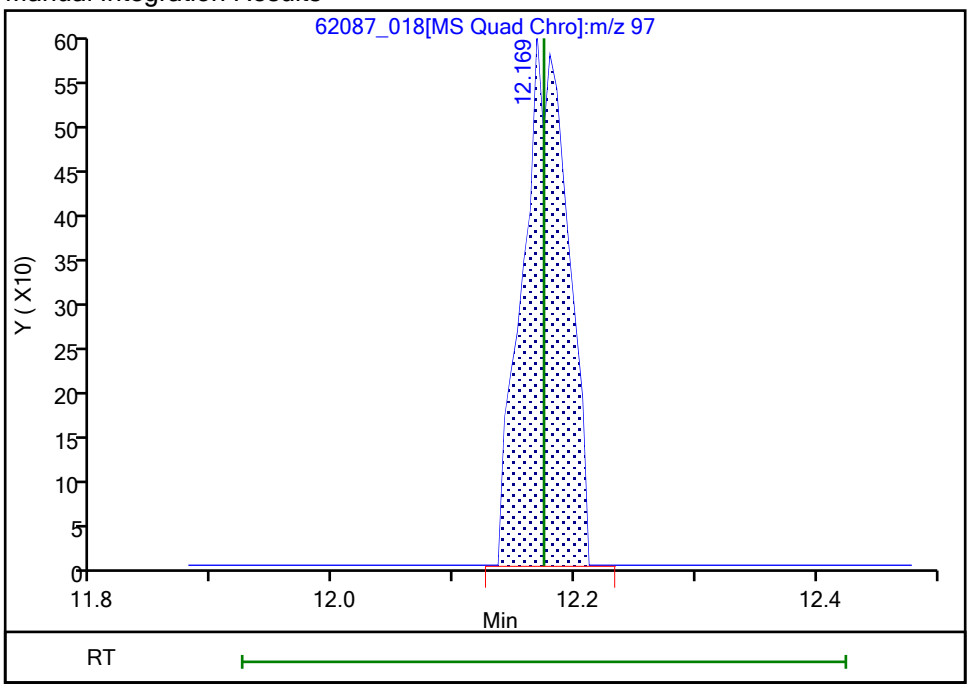
Processing Integration Results

RT: 12.18
Area: 916
Amount: 0.007968
Amount Units: ppb v/v



Manual Integration Results

RT: 12.17
Area: 1558
Amount: 0.013553
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 10:09:28 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

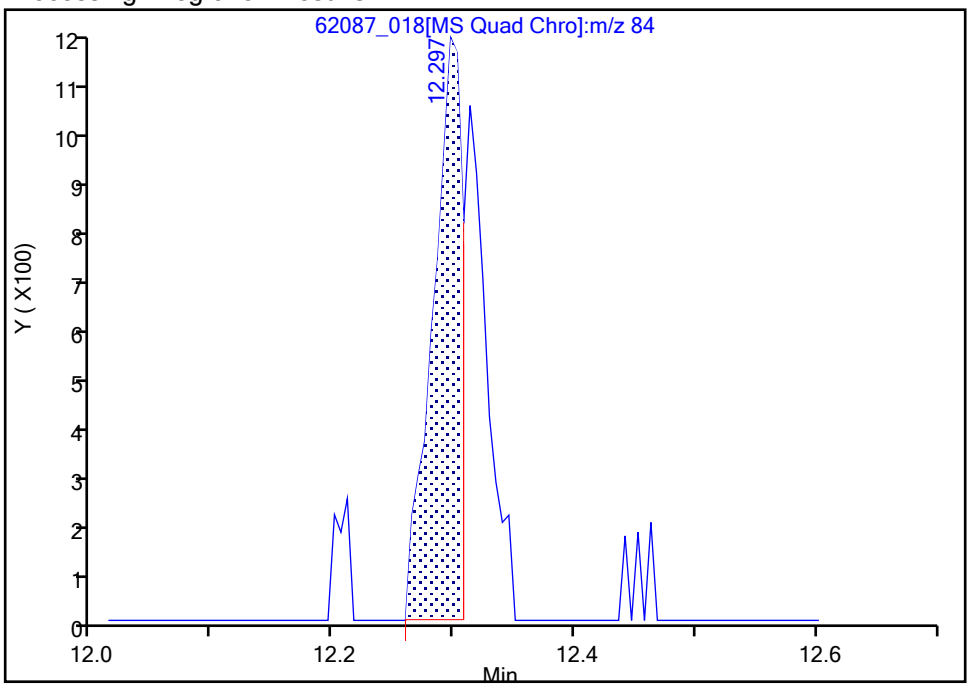
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

Signal: 1

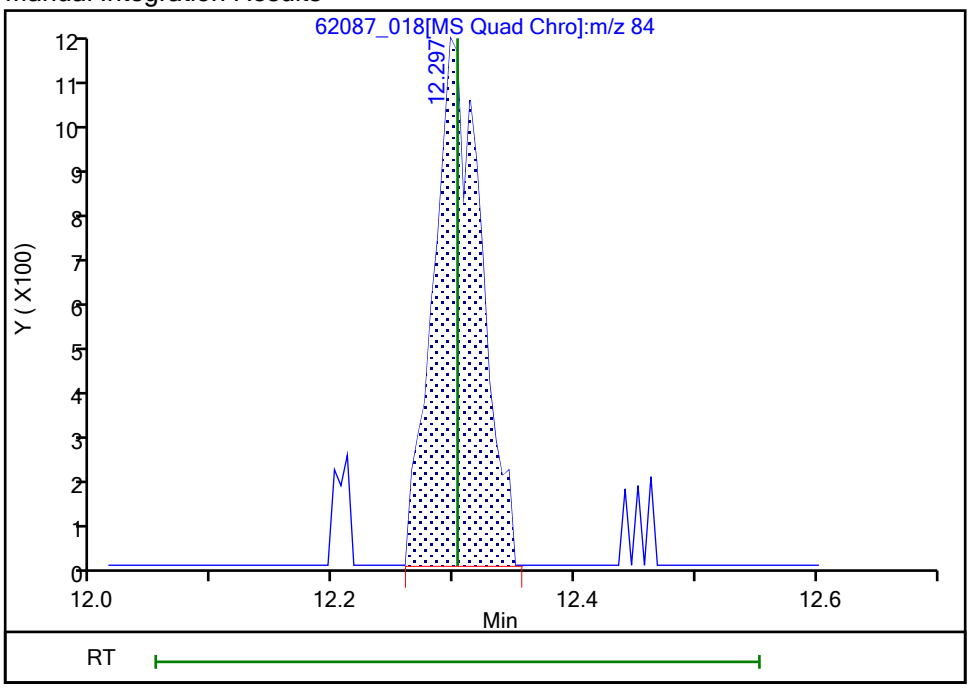
Processing Integration Results

RT: 12.30
Area: 1922
Amount: 0.026881
Amount Units: ppb v/v



Manual Integration Results

RT: 12.30
Area: 3065
Amount: 0.042866
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 10:09:45 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

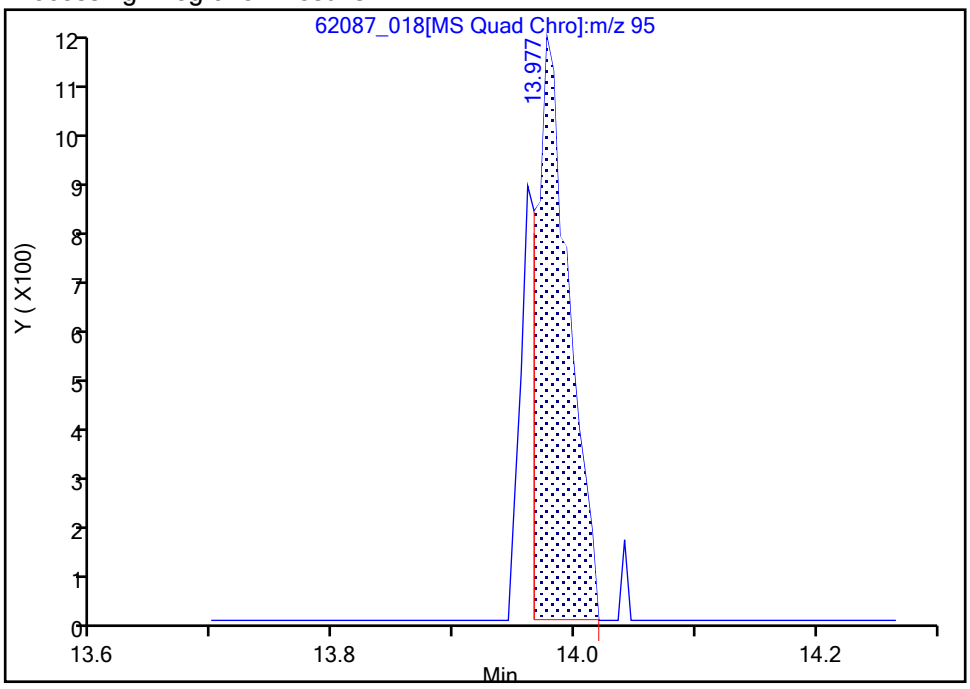
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Trichloroethene, CAS: 79-01-6

Signal: 1

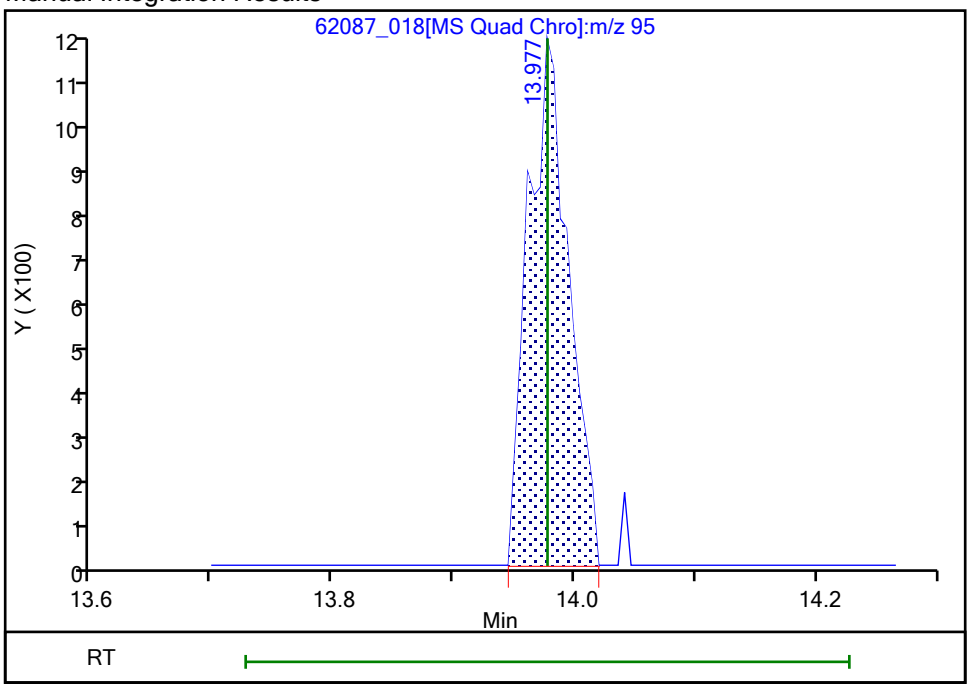
Processing Integration Results

RT: 13.98
Area: 2117
Amount: 0.027020
Amount Units: ppb v/v



Manual Integration Results

RT: 13.98
Area: 2619
Amount: 0.033427
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 10:10:13 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

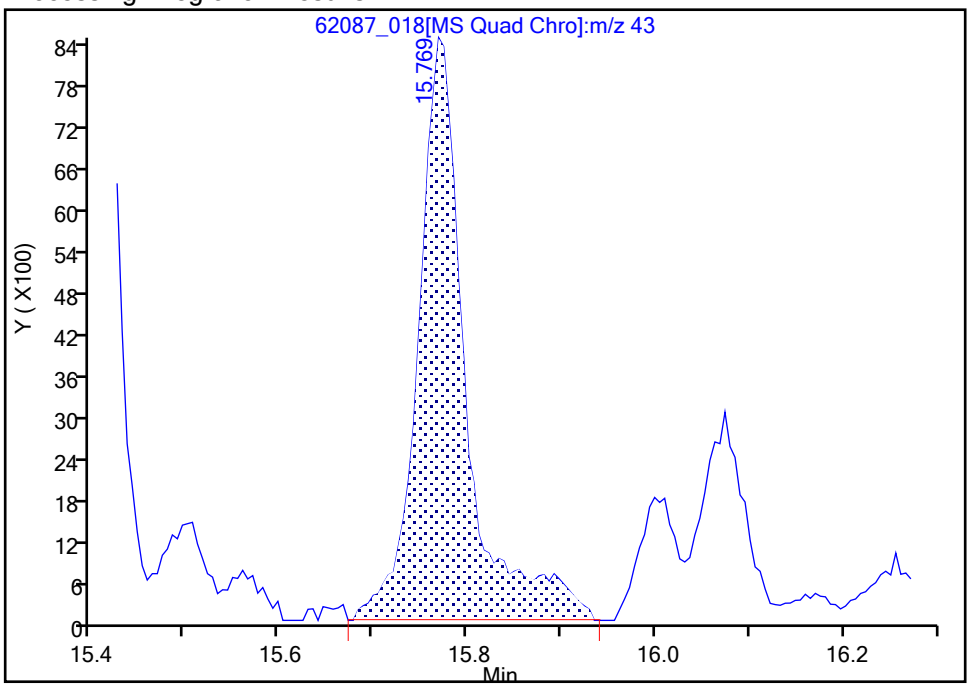
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

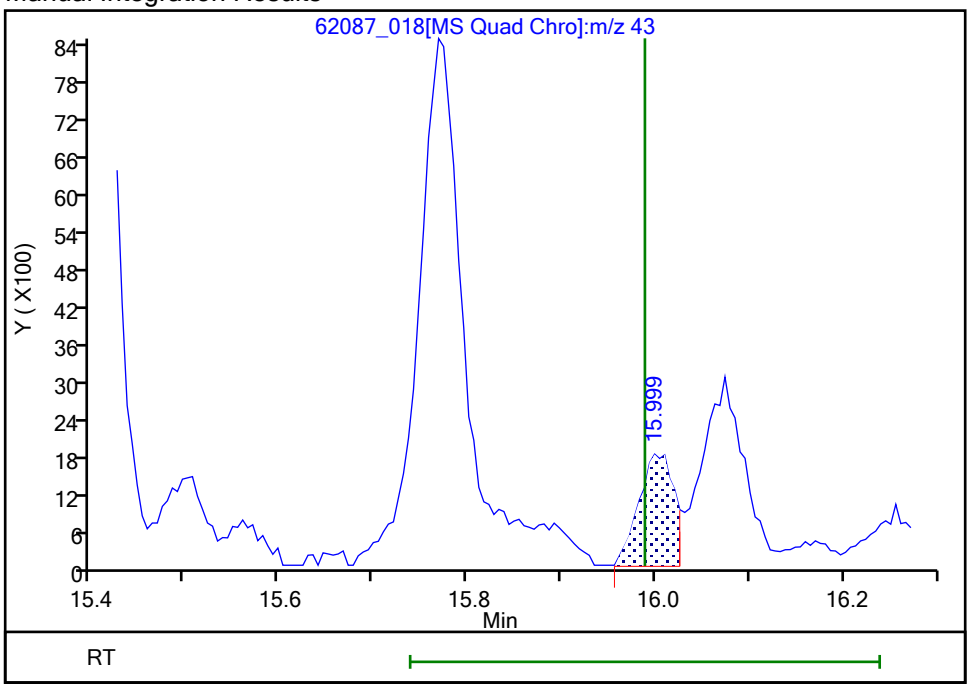
Processing Integration Results

RT: 15.77
Area: 29797
Amount: 0.258601
Amount Units: ppb v/v



Manual Integration Results

RT: 16.00
Area: 4615
Amount: 0.040053
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 10:10:47 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

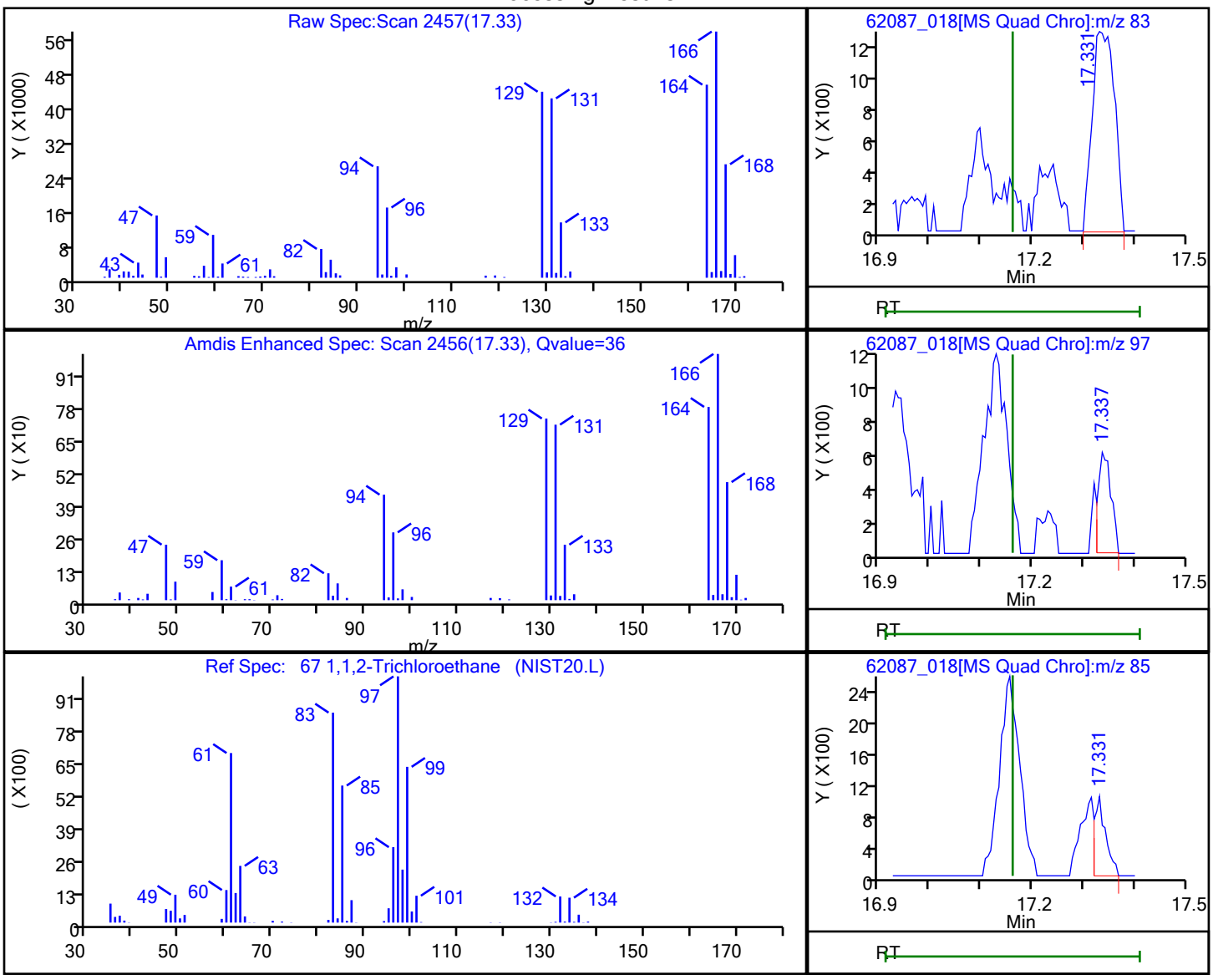
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.33	83.00	3955	0.064367
17.34	97.00	1028	
17.33	85.00	1546	

Reviewer: F7XK, 18-Sep-2024 10:11:05 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

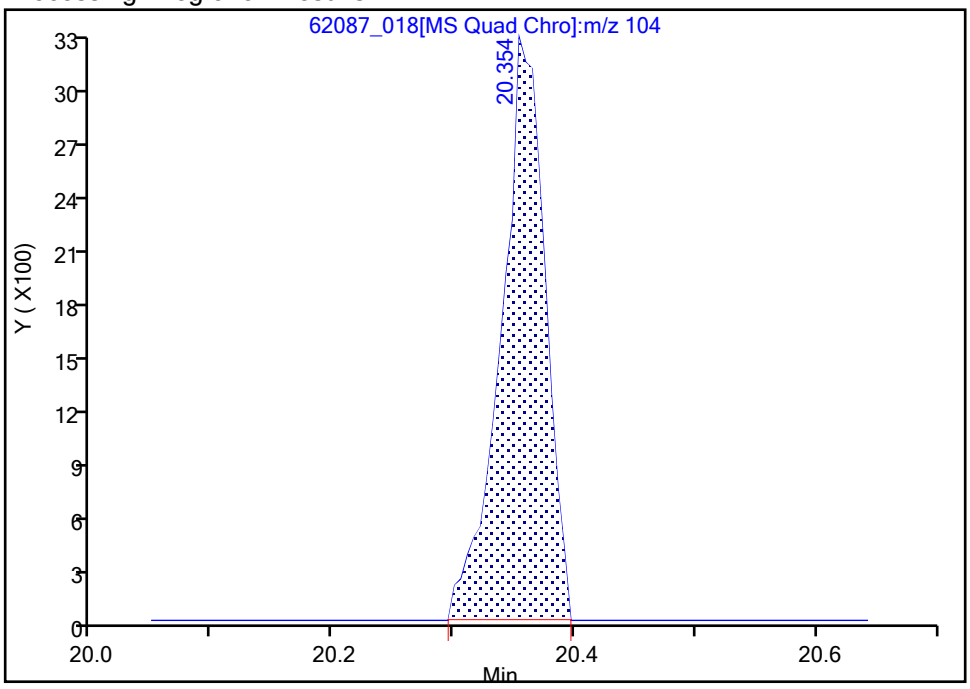
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Styrene, CAS: 100-42-5

Signal: 1

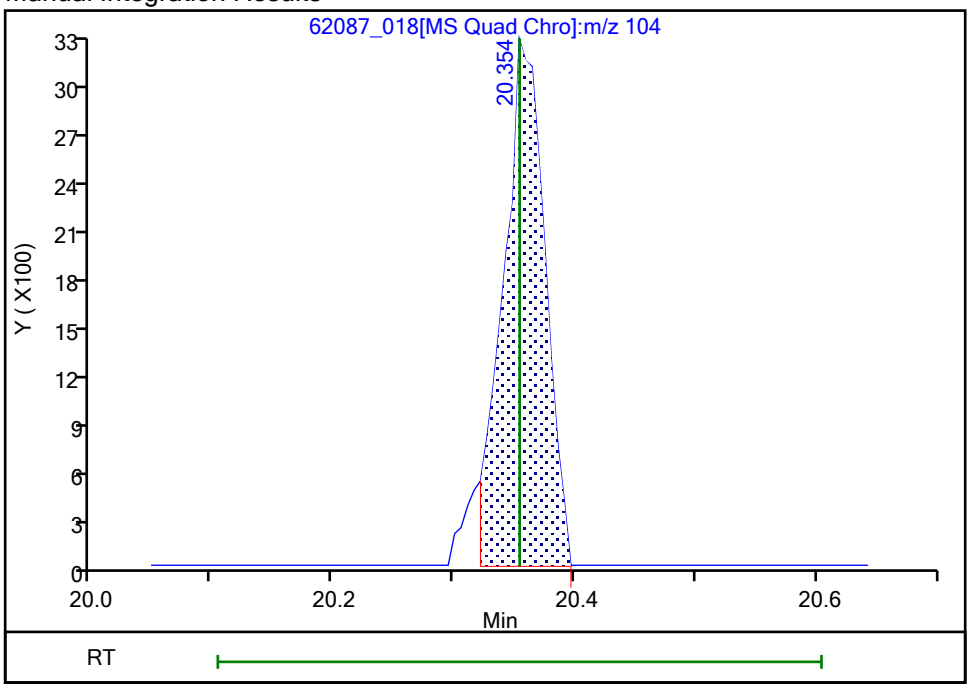
Processing Integration Results

RT: 20.35
Area: 8227
Amount: 0.052666
Amount Units: ppb v/v



Manual Integration Results

RT: 20.35
Area: 7826
Amount: 0.050099
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 10:11:41 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

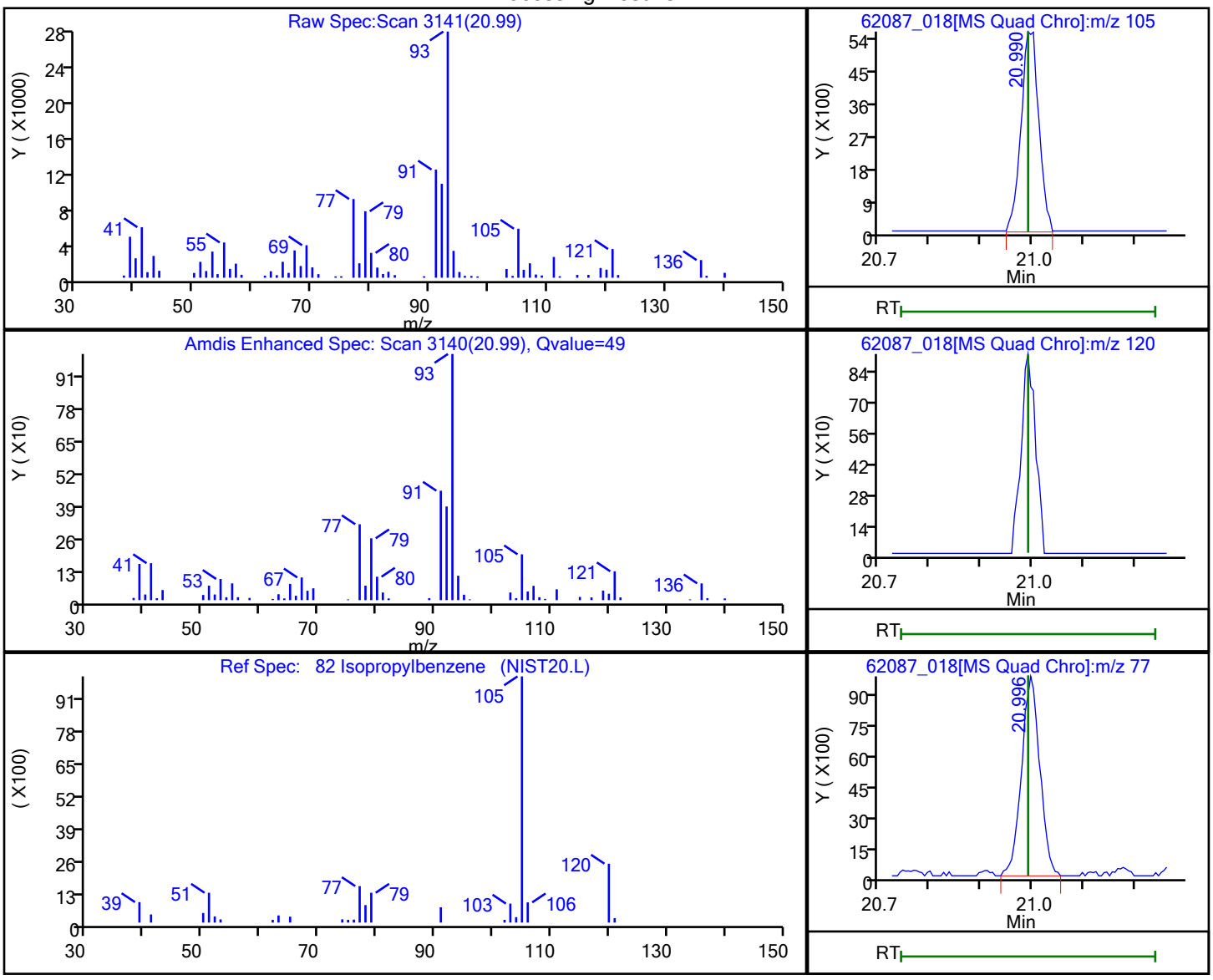
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
20.99	105.00	13475	0.047281
20.99	120.00	0	
21.00	77.00	24790	

Reviewer: F7XK, 18-Sep-2024 10:11:55 07:00:00 (UTC)

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

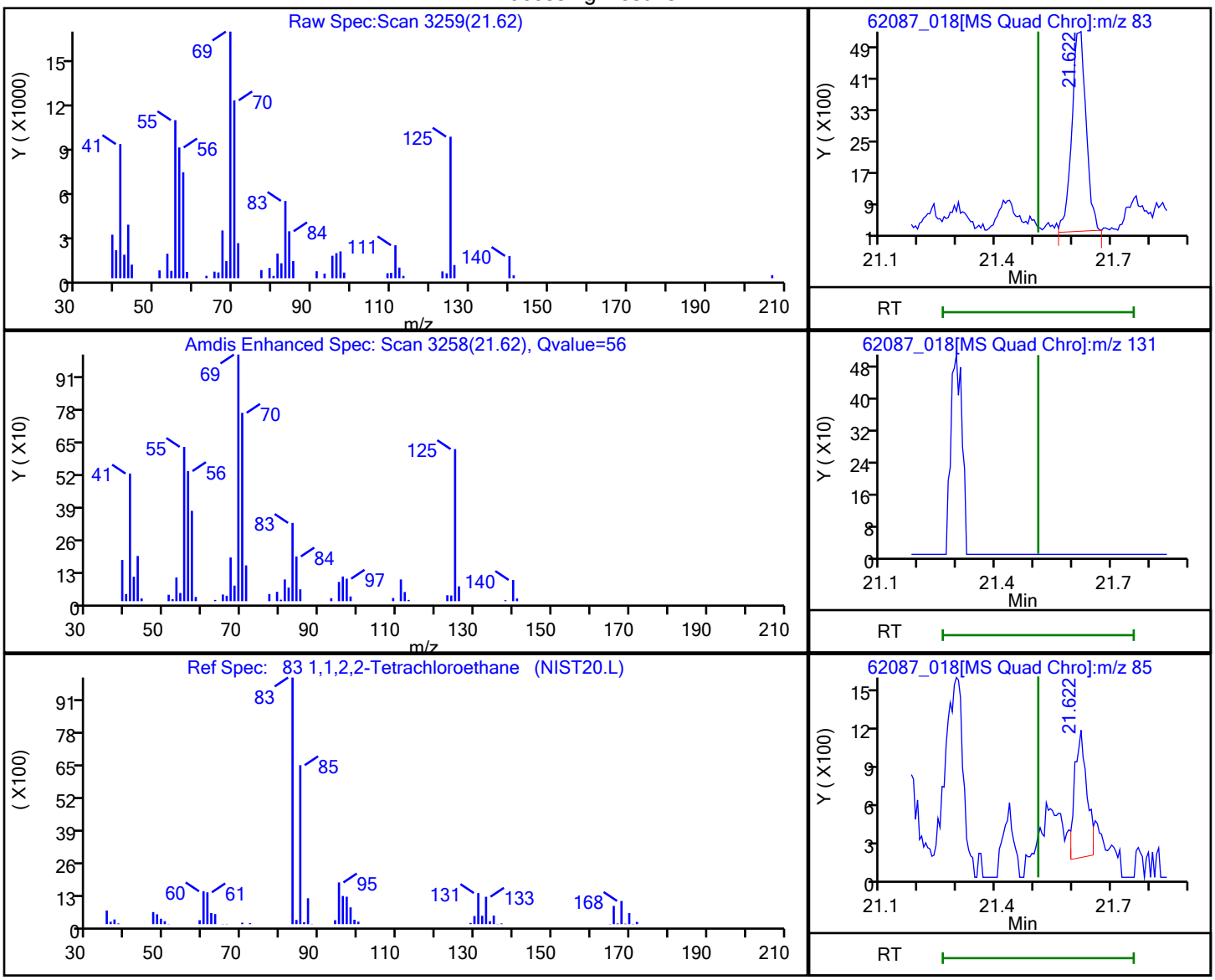
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.62	83.00	13016	0.084143
21.51	131.00	0	
21.62	85.00	2176	

Reviewer: F7XK, 18-Sep-2024 10:12:00 07:00:00 (UTC)

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

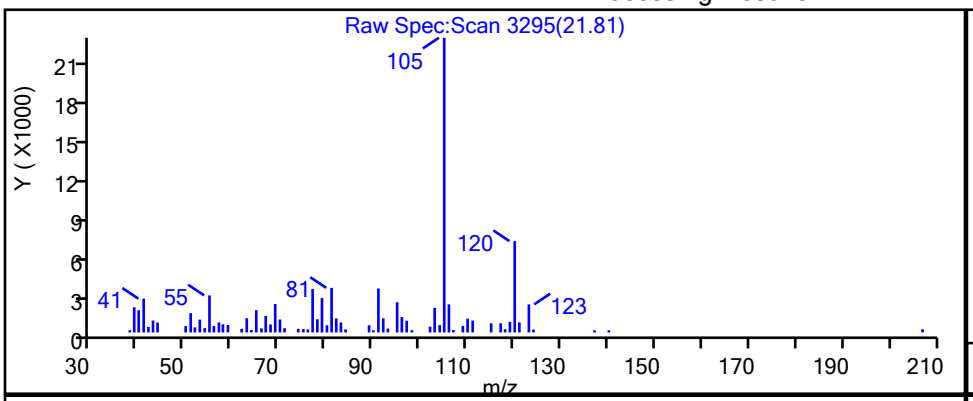
User Disabled Compound Report

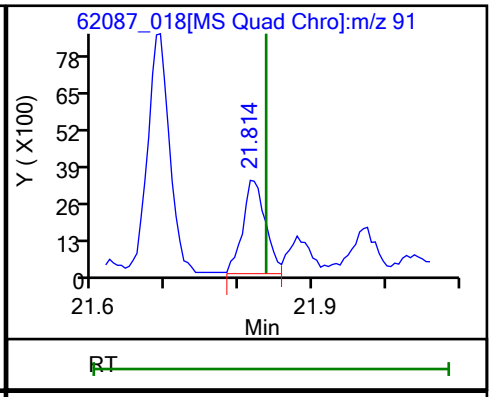
Eurofins Burlington

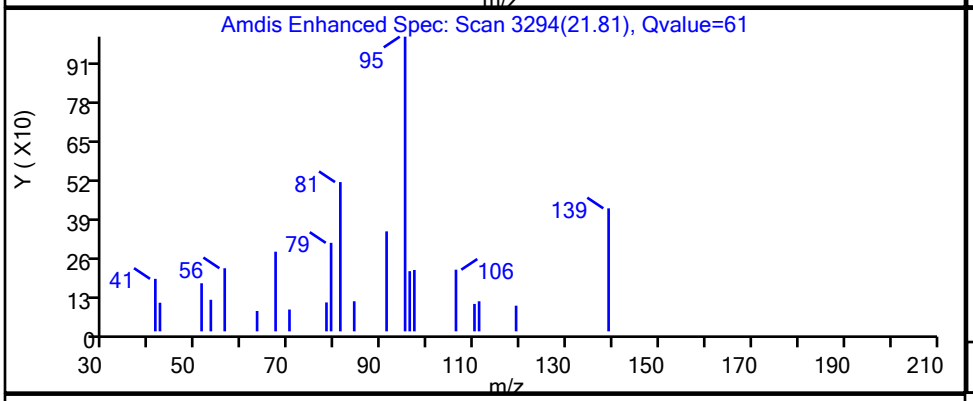
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

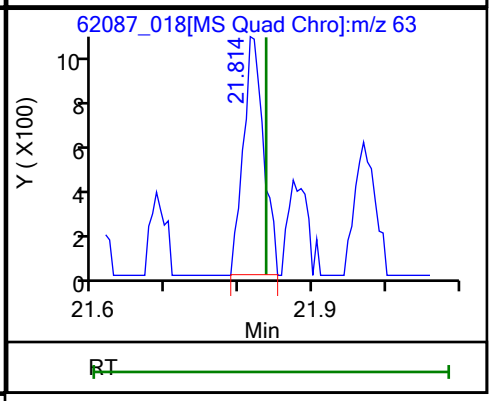
86 2-Chlorotoluene, CAS: 95-49-8

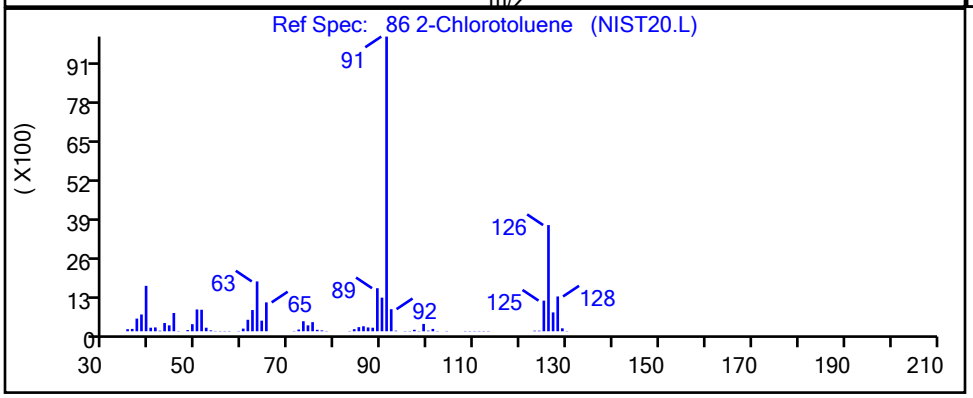
Processing Results











RT	Mass	Response	Amount
21.81	91.00	7022	0.030929
21.81	63.00	2052	

Reviewer: F7XK, 18-Sep-2024 10:12:23 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

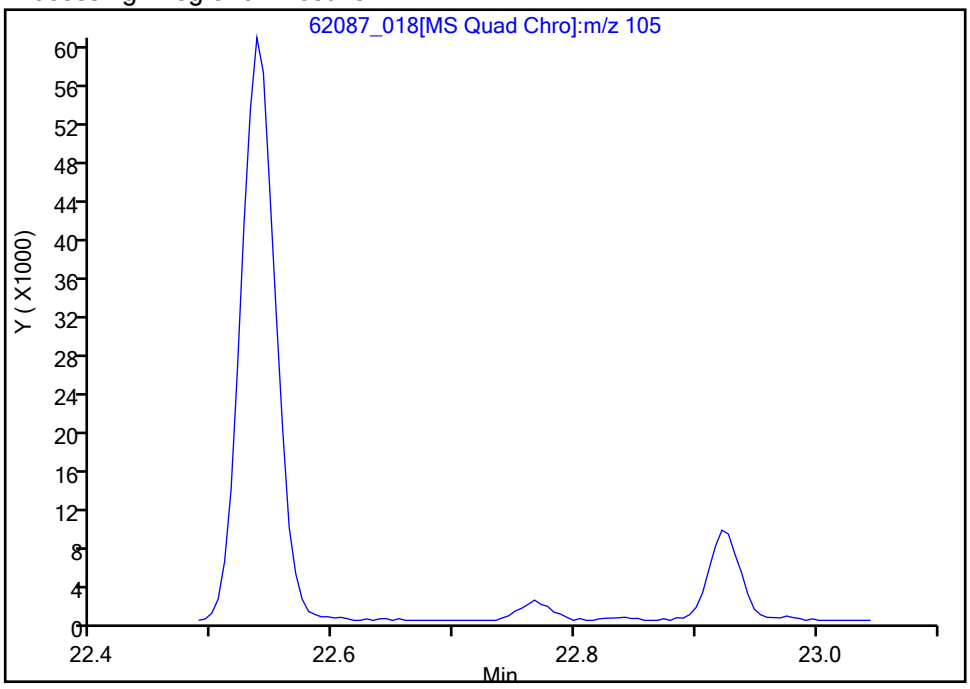
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

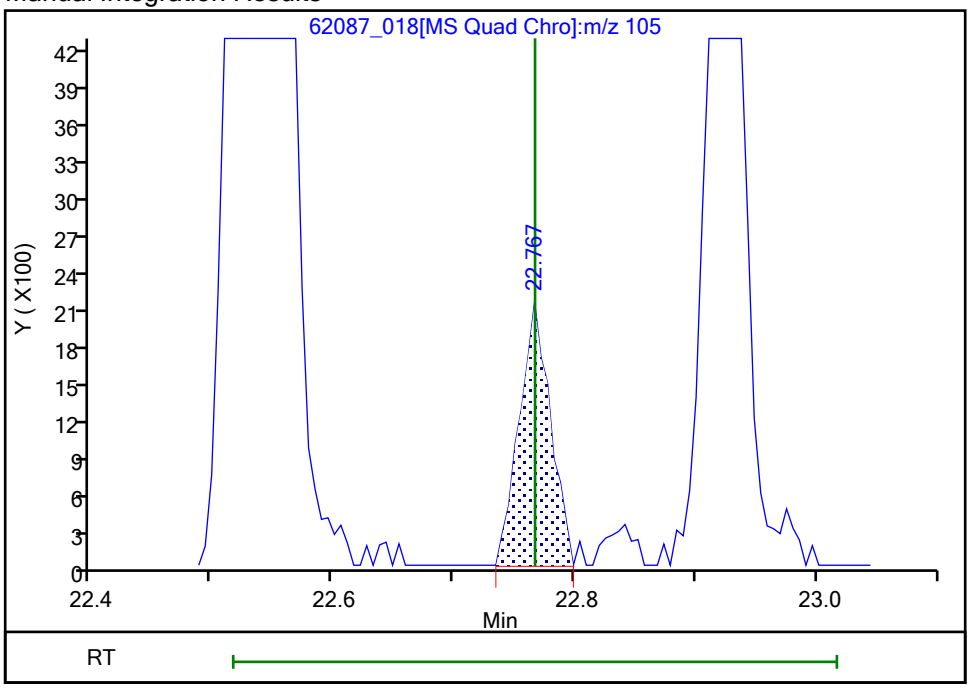
Not Detected
Expected RT: 22.77

Processing Integration Results



Manual Integration Results

RT: 22.77
Area: 3747
Amount: 0.011203
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 10:13:11 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

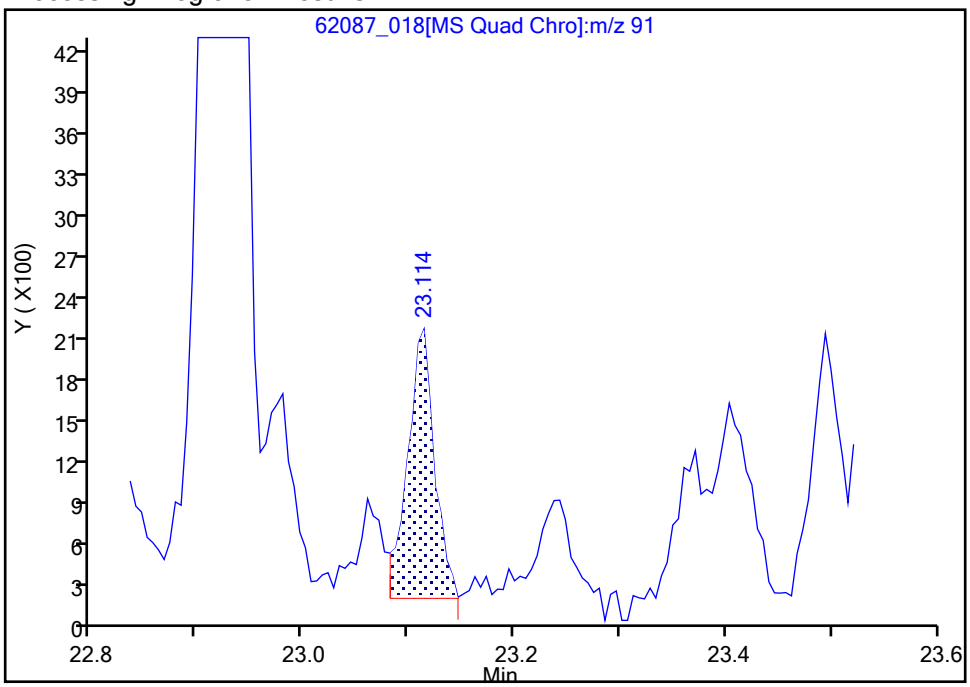
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_018.D				
Injection Date:	17-Sep-2024 22:02:19	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-2	Lab Sample ID:	200-75119-2		
Client ID:	RXSV-2				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Signal: 1

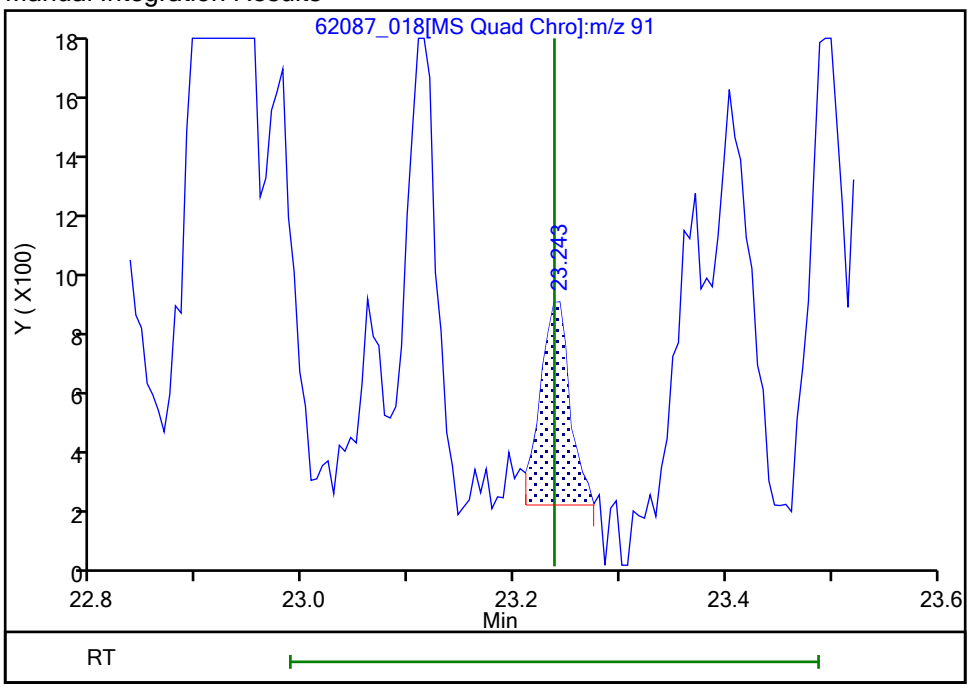
Processing Integration Results

RT: 23.11
Area: 3427
Amount: 0.017010
Amount Units: ppb v/v



Manual Integration Results

RT: 23.24
Area: 1310
Amount: 0.006502
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 10:13:33 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-9 Lab Sample ID: 200-75119-3

Matrix: Air Lab File ID: 62087_020.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:53

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 23:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.2	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.54	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.2	J	1.4	0.34
74-87-3	Chloromethane	50.49	0.48	J	1.0	0.31
106-97-8	n-Butane	58.12	59		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.21	J	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	7.5		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	10		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	29		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	76		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	14		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.65	J	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.43	J	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.14	J	0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.62	J	0.93	0.18

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-9 Lab Sample ID: 200-75119-3

Matrix: Air Lab File ID: 62087_020.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:53

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 23:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.8		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	49		0.82	0.23
79-01-6	Trichloroethene	131.39	0.40		0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	1.1	J	2.0	0.53
108-88-3	Toluene	92.14	7.8		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	0.48	J	1.1	0.40
127-18-4	Tetrachloroethene	165.83	19		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.3		2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	3.7		0.87	0.30
179601-23-1	m,p-Xylene	106.17	7.0		2.2	0.41
95-47-6	o-Xylene	106.17	4.5		0.87	0.27
100-42-5	Styrene	104.15	1.8		0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.44	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.55	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.72	J	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-9 Lab Sample ID: 200-75119-3

Matrix: Air Lab File ID: 62087_020.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:53

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 23:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-63-6	1,2,4-Trimethylbenzene	120.20	3.1		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-9 Lab Sample ID: 200-75119-3

Matrix: Air Lab File ID: 62087_020.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:53

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 23:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.44	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.15	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.18	J	0.20	0.048
74-87-3	Chloromethane	50.49	0.23	J	0.50	0.15
106-97-8	n-Butane	58.12	25		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.094	J	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	1.3		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	3.2		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	9.7		5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	21		0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	4.7		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.13	J	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.12	J	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.022	J	0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.13	J	0.20	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-9 Lab Sample ID: 200-75119-3

Matrix: Air Lab File ID: 62087_020.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:53

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 23:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.56		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	12		0.20	0.055
79-01-6	Trichloroethene	131.39	0.075		0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.26	J	0.50	0.13
108-88-3	Toluene	92.14	2.1		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.087	J	0.20	0.074
127-18-4	Tetrachloroethene	165.83	2.8		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.57		0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.84		0.20	0.069
179601-23-1	m,p-Xylene	106.17	1.6		0.50	0.095
95-47-6	o-Xylene	106.17	1.0		0.20	0.063
100-42-5	Styrene	104.15	0.43		0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.090	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.11	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	J	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-9 Lab Sample ID: 200-75119-3

Matrix: Air Lab File ID: 62087_020.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:53

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 23:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
95-63-6	1,2,4-Trimethylbenzene	120.20	0.62		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D
Lims ID: 200-75119-A-3
Client ID: RXSV-9
Sample Type: Client
Inject. Date: 17-Sep-2024 23:45:20 ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-020
Misc. Info.: 75119-3
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 11:45:20 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 11:45:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.412	4.419	-0.005	99	57088	0.4396	
3 Chlorodifluoromethane	51	4.460	4.467	-0.005	96	10590	0.1533	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.794	-0.006	98	24047	0.1787	
5 Chloromethane	50	4.909	4.917	-0.006	99	8831	0.2343	
7 Butane	43	5.214	5.217	0.000	99	1535197	24.9	
6 Vinyl chloride	62		5.220				ND	
8 Butadiene	54	5.326	5.340	-0.011	83	3484	0.0943	
9 Bromomethane	94		6.086				ND	MU
10 Chloroethane	64	6.359	6.362	0.000	7	1802	0.0692	
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.953	6.956	0.000	98	184622	1.33	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.076	8.076	0.005	66	5454	0.0469	M
22 Acetone	43	8.130	8.128	0.005	97	3465571	48.8	E
23 Isopropyl alcohol	45	8.451	8.439	0.016	100	73270	0.8964	
24 Carbon disulfide	76	8.440	8.444	0.000	99	493095	3.25	
26 3-Chloro-1-propene	41		8.745				ND	
27 Methylene Chloride	49	8.980	8.980	-0.006	45	1970	0.0340	7M
28 2-Methyl-2-propanol	59	9.226	9.220	0.010	100	909868	9.72	
30 trans-1,2-Dichloroethene	61		9.483				ND	7
31 Methyl tert-butyl ether	73		9.483				ND	7
32 Hexane	57	9.991	9.996	-0.001	92	1760938	21.5	
33 1,1-Dichloroethane	63	10.280	10.280	0.010	38	2182	0.0219	M
36 2-Butanone (MEK)	72	11.270	11.264	0.010	99	126250	4.71	
37 cis-1,2-Dichloroethene	96		11.281				ND	7
* 39 Chlorobromomethane	128	11.698	11.693	0.005	90	302170	10.0	
40 Tetrahydrofuran	42		11.730				ND	MU
41 Chloroform	83	11.875	11.875	-0.001	97	15560	0.1332	M
42 1,1,1-Trichloroethane	97	12.163	12.174	-0.011	79	2910	0.0251	
43 Cyclohexane	84	12.297	12.303	-0.006	51	8949	0.1241	
44 Carbon tetrachloride	117	12.447	12.447	0.000	89	2600	0.0218	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.805	12.805	-0.001	96	95449	0.5636	
46 1,2-Dichloroethane	62		12.891				ND	MU
47 Isooctane	57	13.014	13.014	0.005	88	34690	0.1319	M
48 n-Heptane	43	13.319	13.319	0.000	92	1133085	11.9	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	95	1466316	10.0	
51 Trichloroethene	95	13.977	13.977	0.000	93	5889	0.0745	
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	MU
55 1,4-Dioxane	88		14.576				ND	7
58 Dichlorobromomethane	83		14.919				ND	MU
59 cis-1,3-Dichloropropene	75		15.721				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.999	15.999	0.010	88	30704	0.2642	M
62 Toluene	92	16.358	16.362	0.000	93	247915	2.06	
66 trans-1,3-Dichloropropene	75		16.781				ND	MU
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	52	5398	0.0875	M
68 Tetrachloroethene	166	17.342	17.347	0.000	98	283976	2.84	
69 2-Hexanone	43	17.577	17.577	0.005	95	62340	0.5710	
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	
* 73 Chlorobenzene-d5	117	19.049	19.043	0.006	87	1330832	10.0	
74 Chlorobenzene	112		19.102				ND	7
75 Ethylbenzene	91	19.289	19.295	-0.001	99	222783	0.8419	
76 m-Xylene & p-Xylene	106	19.541	19.557	-0.011	0	161507	1.62	
78 o-Xylene	106	20.322	20.327	0.000	98	99415	1.03	
79 Styrene	104	20.354	20.360	0.000	98	67945	0.4331	
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105		20.991				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	MU
85 N-Propylbenzene	91	21.686	21.686	0.000	94	31042	0.0902	M
86 2-Chlorotoluene	91		21.836				ND	
87 4-Ethyltoluene	105	21.884	21.885	0.005	99	30813	0.1118	
88 1,3,5-Trimethylbenzene	105	21.970	21.976	0.000	93	33886	0.1463	
91 tert-Butylbenzene	119	22.446	22.446	0.000	87	1854	0.008327	7M
92 1,2,4-Trimethylbenzene	105	22.537	22.538	0.005	94	145343	0.6221	
93 sec-Butylbenzene	105	22.767	22.767	0.000	96	6990	0.0208	M
94 1,3-Dichlorobenzene	146		22.943				ND	7
95 4-Isopropyltoluene	119	22.975	22.982	-0.001	98	14417	0.0519	
96 1,4-Dichlorobenzene	146	23.082	23.089	-0.001	92	3693	0.0230	
97 Benzyl chloride	91	23.237	23.237	-0.001	3	1643	0.008121	7M
98 n-Butylbenzene	91	23.542	23.549	-0.001	87	7798	0.0290	
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.581	26.588	0.000	99	25288	0.1149	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

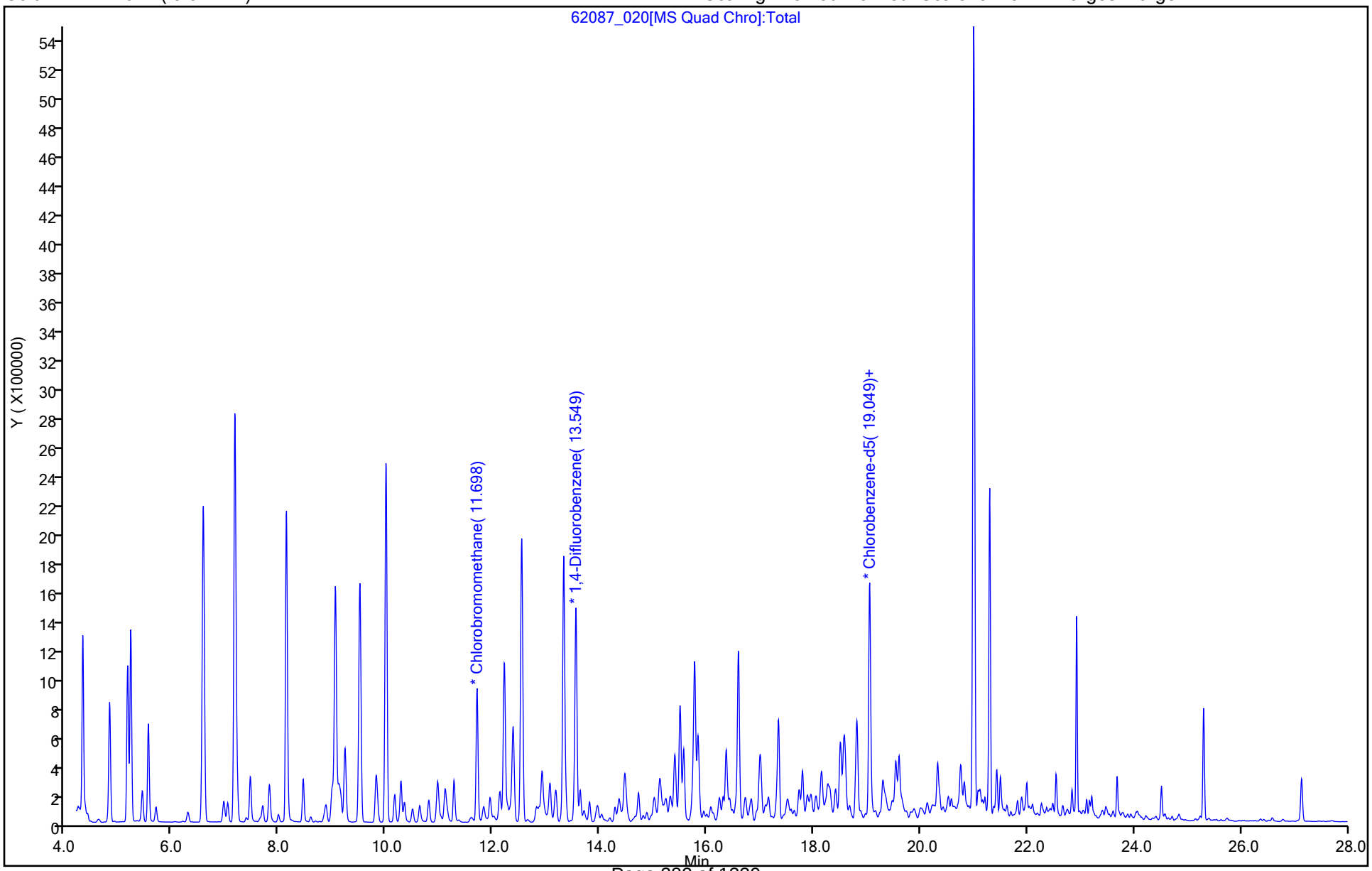
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3	Worklist Smp#:	20
Client ID:	RXSV-9				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



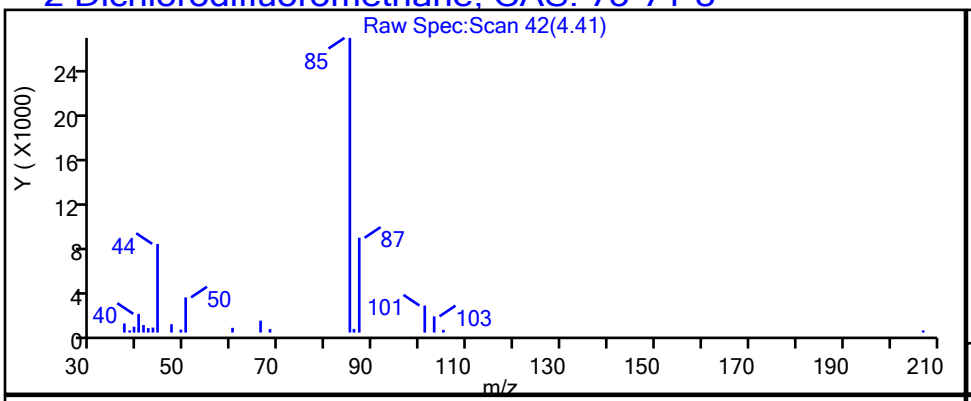
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

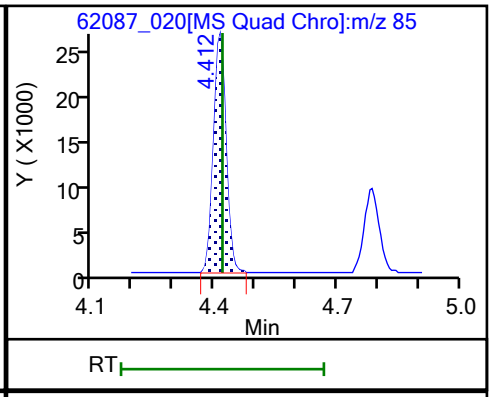
Eurofins Burlington

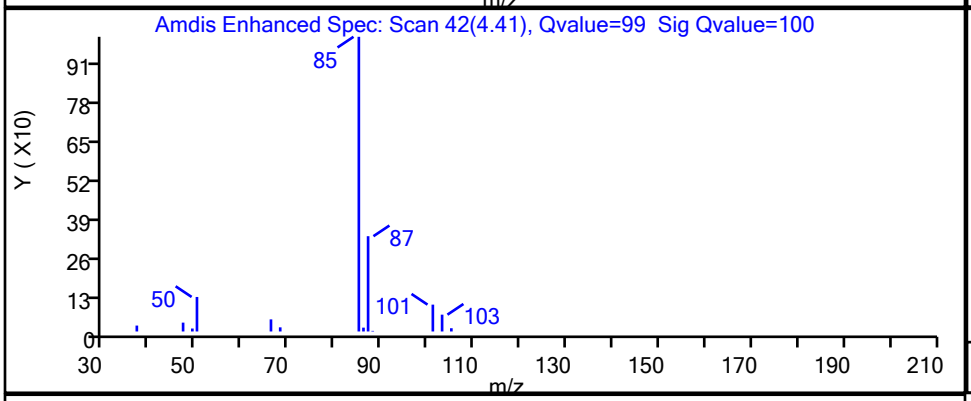
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

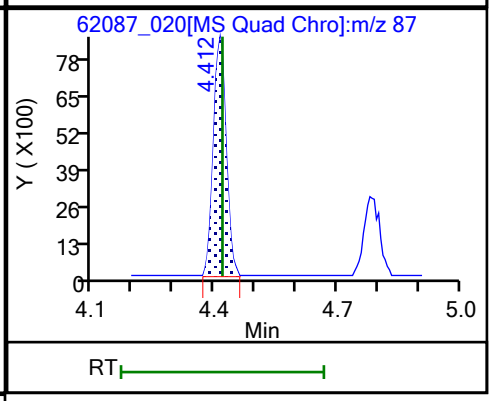
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

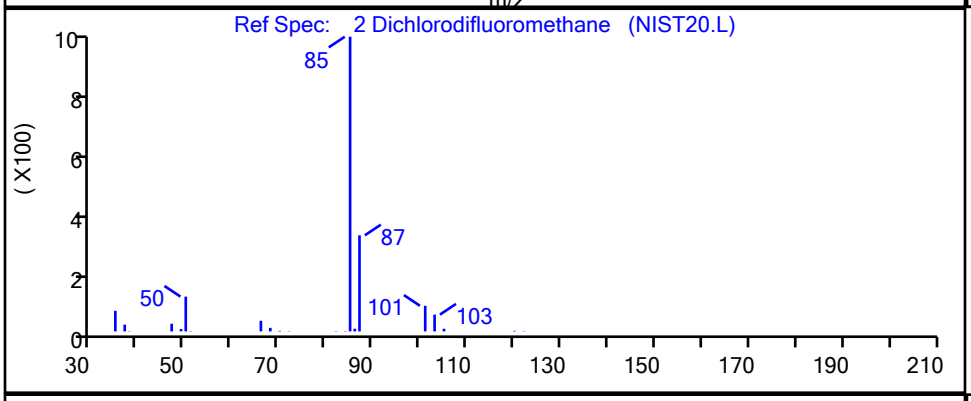
2 Dichlorodifluoromethane, CAS: 75-71-8

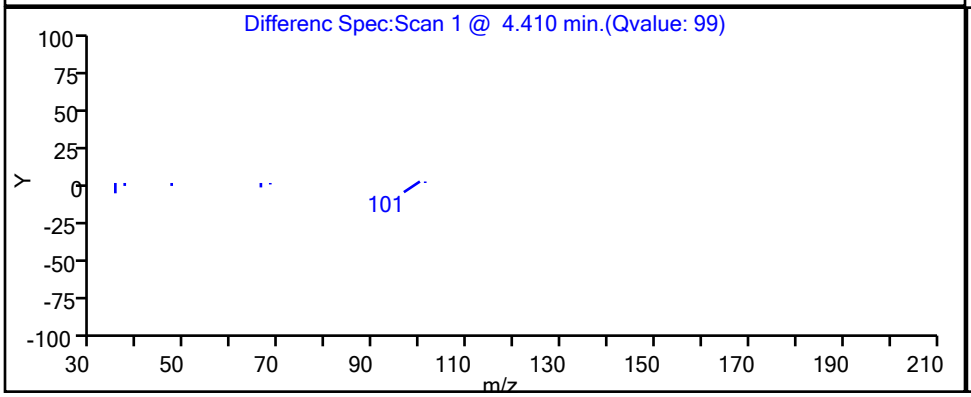


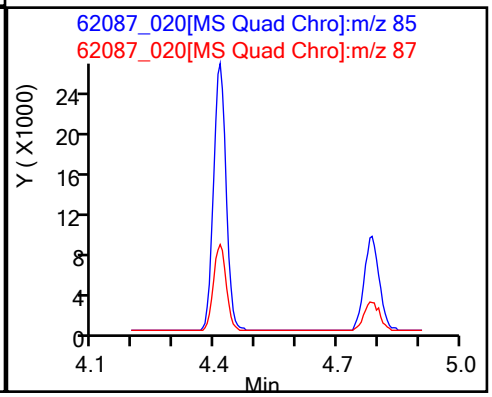










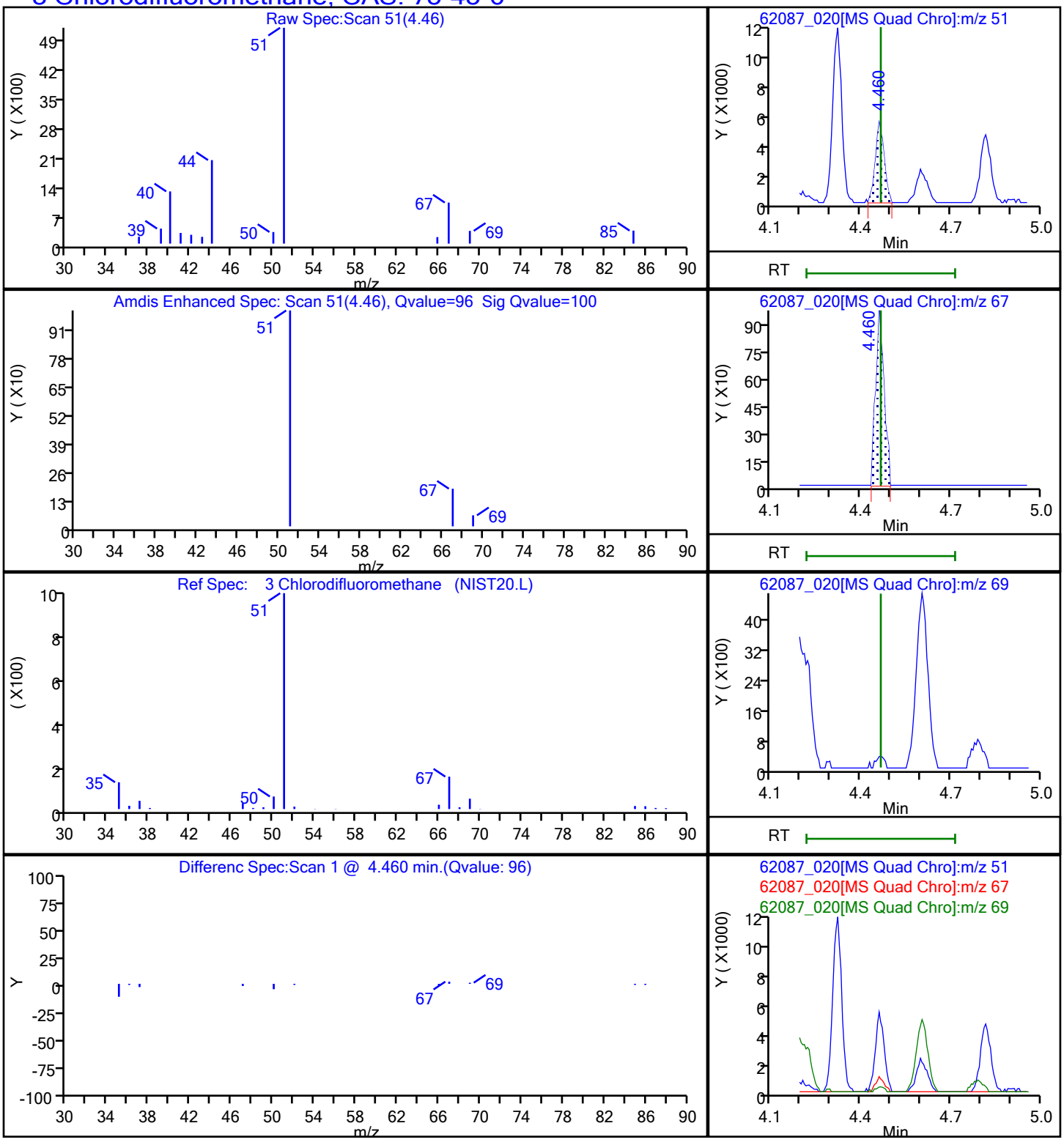


Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6

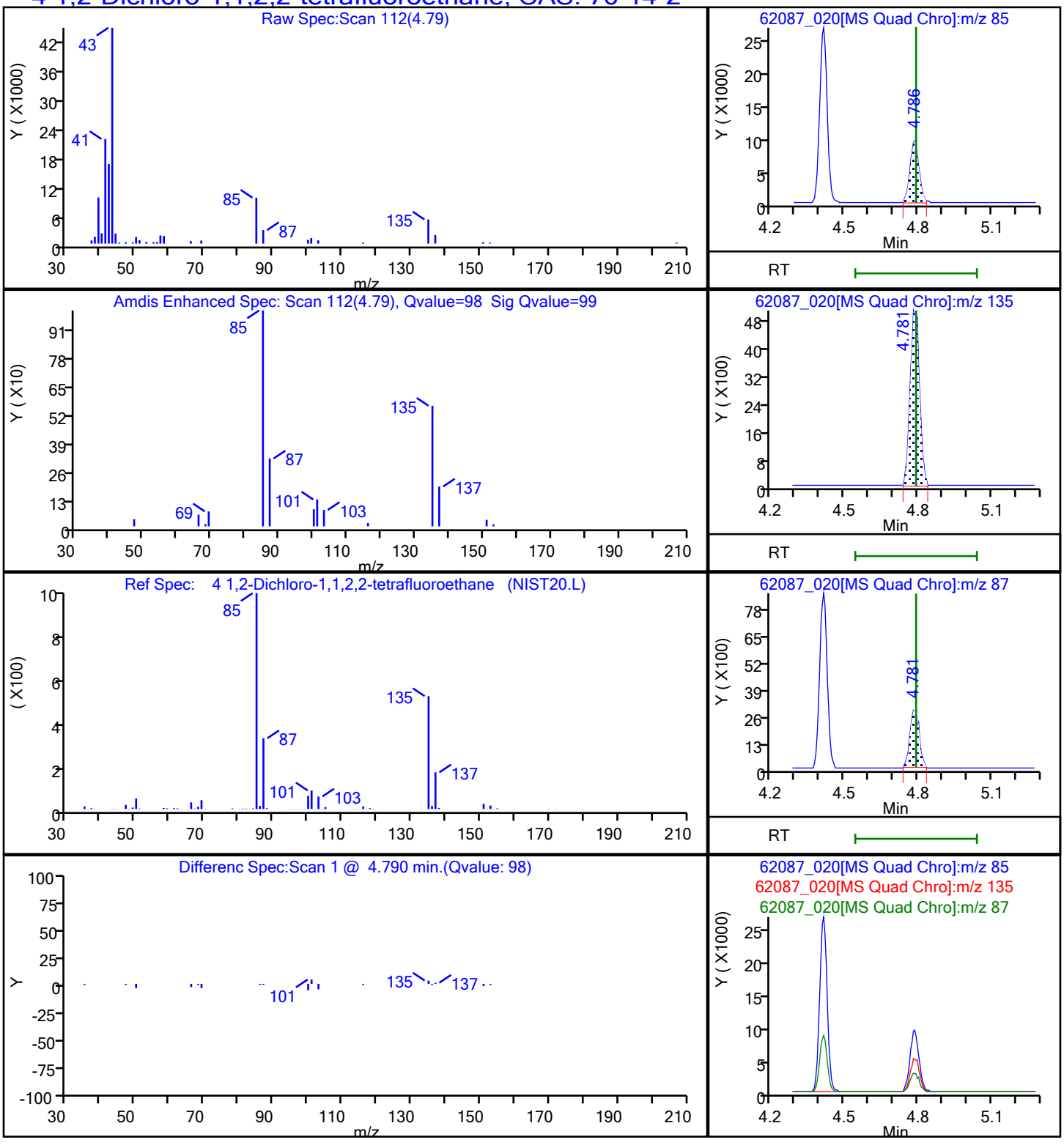


Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2



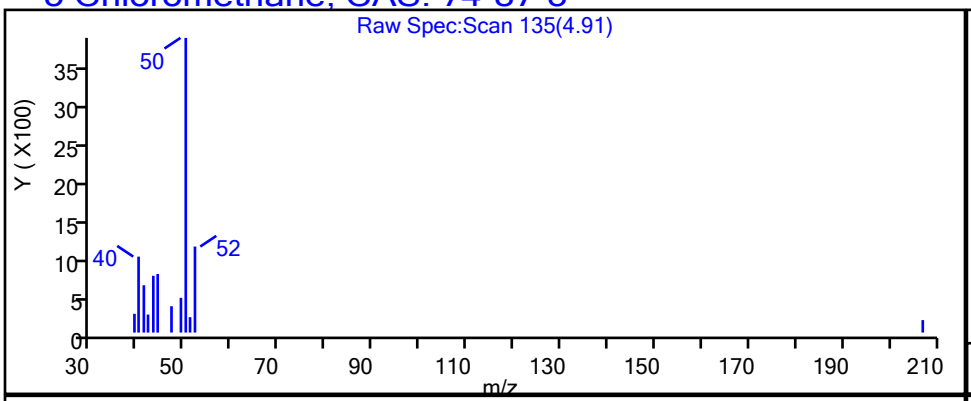
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

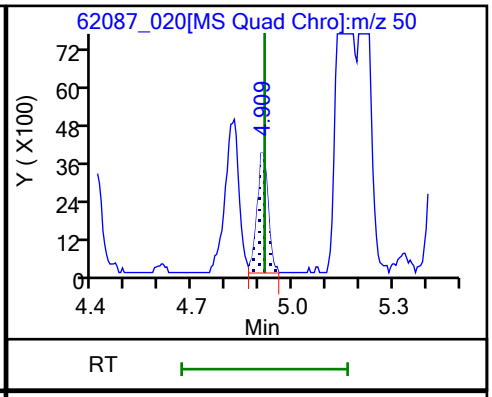
Eurofins Burlington

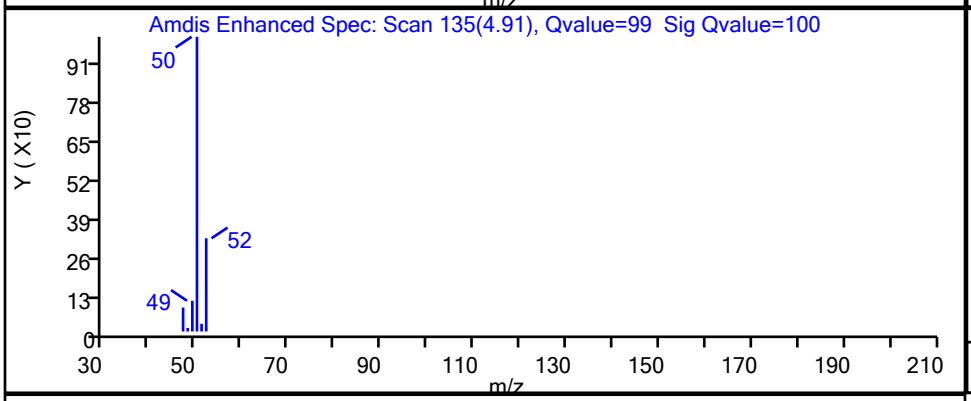
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

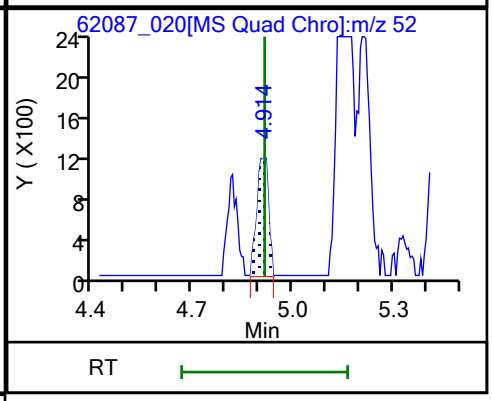
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

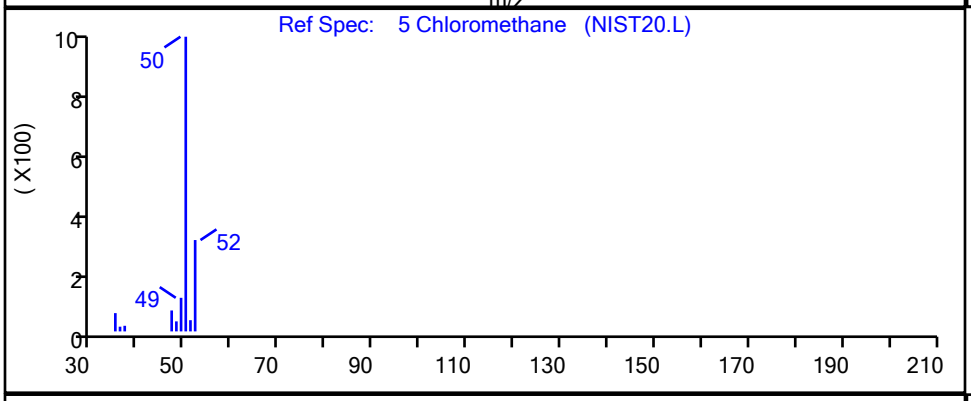
5 Chloromethane, CAS: 74-87-3

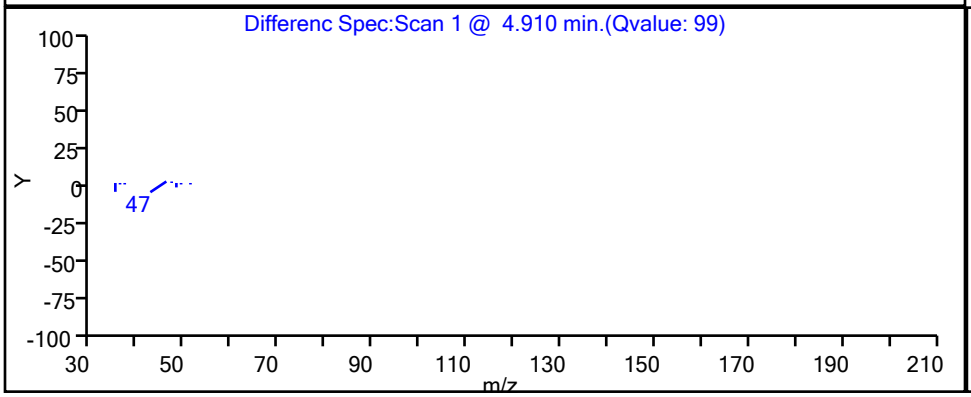


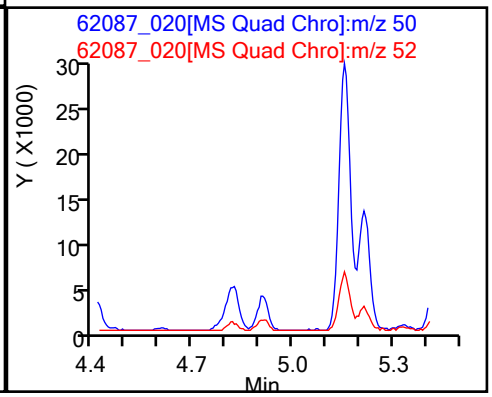












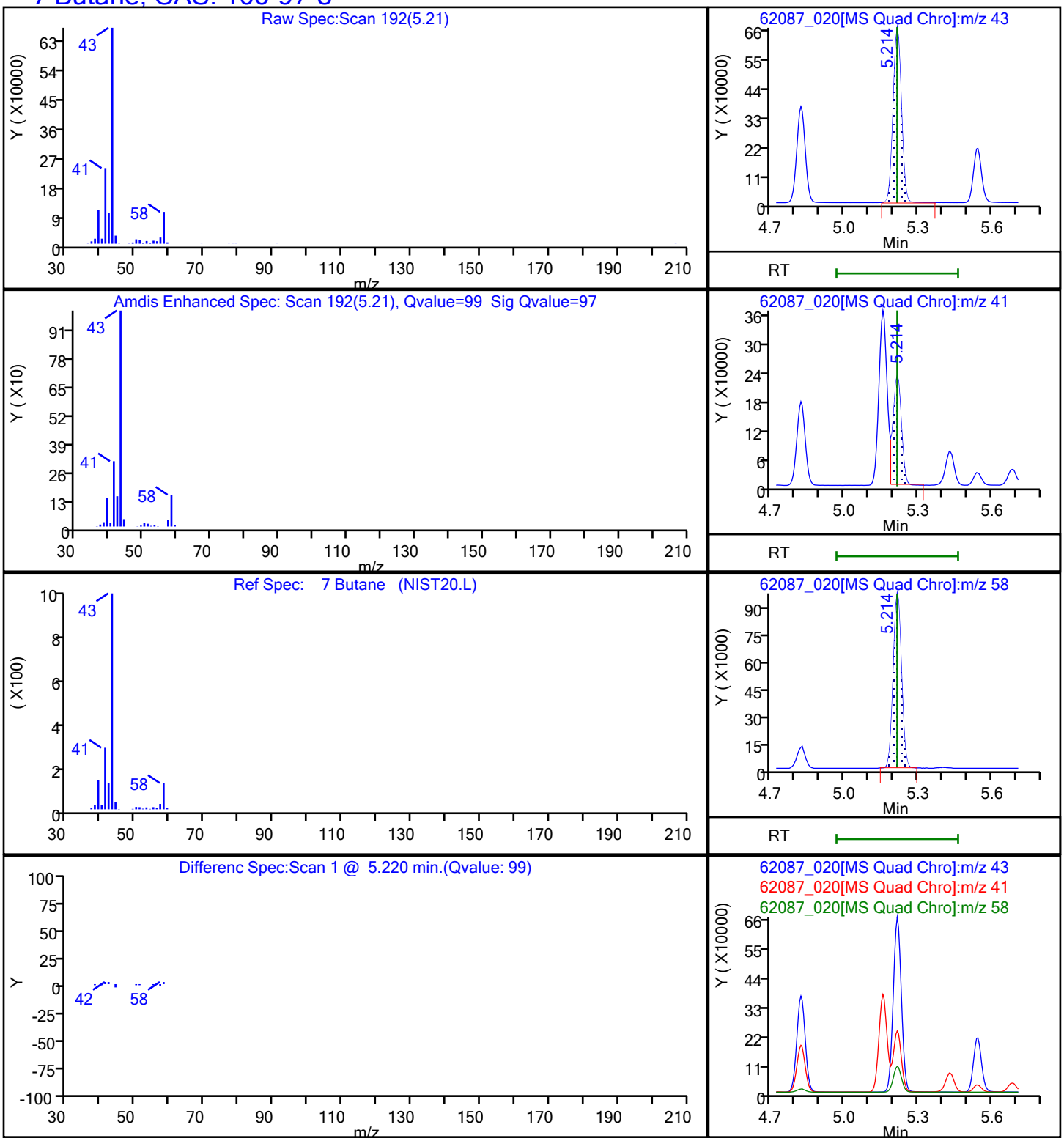
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8

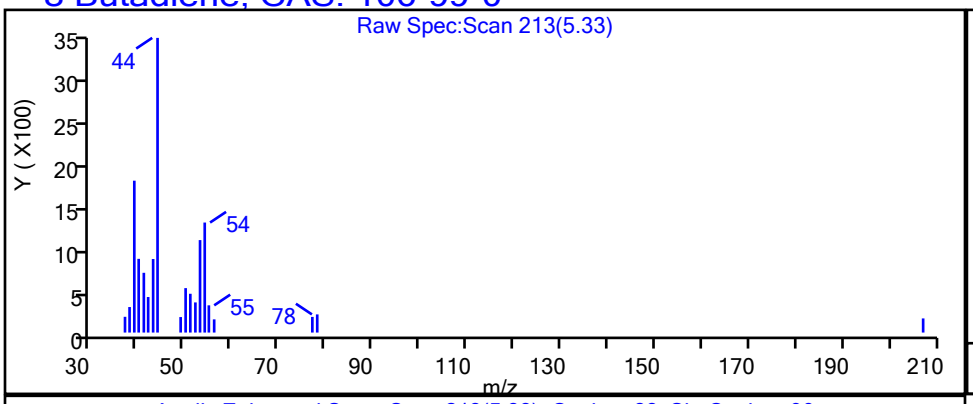


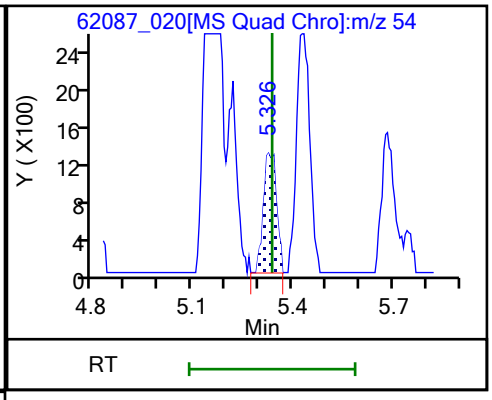
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

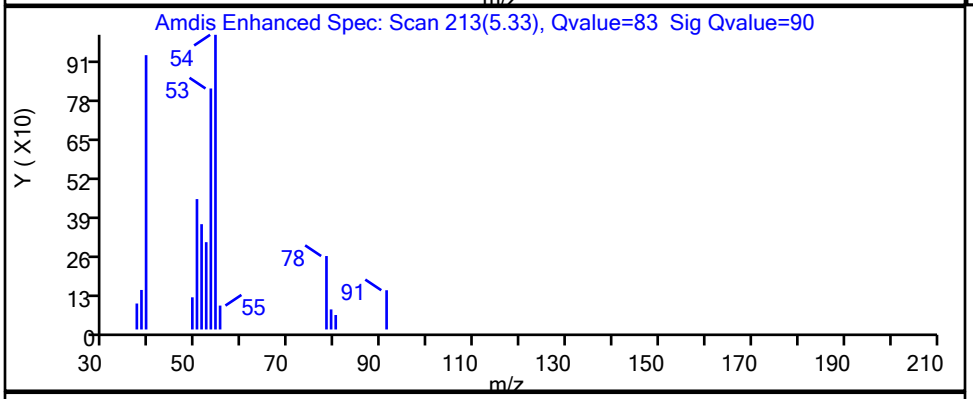
Eurofins Burlington

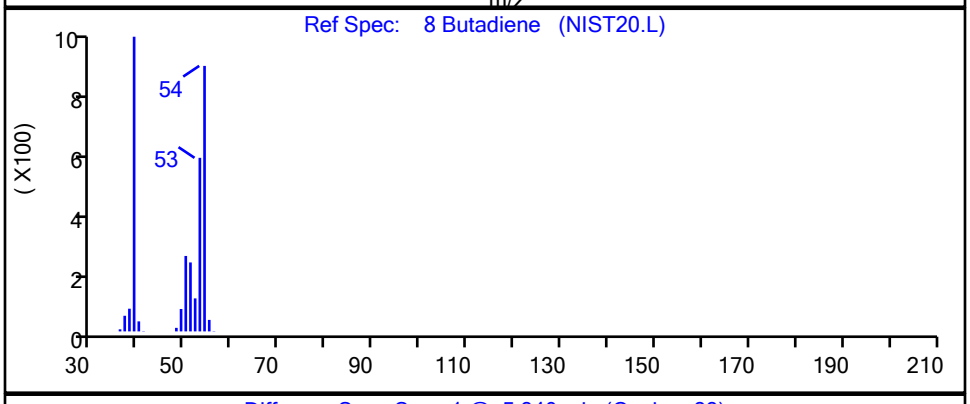
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

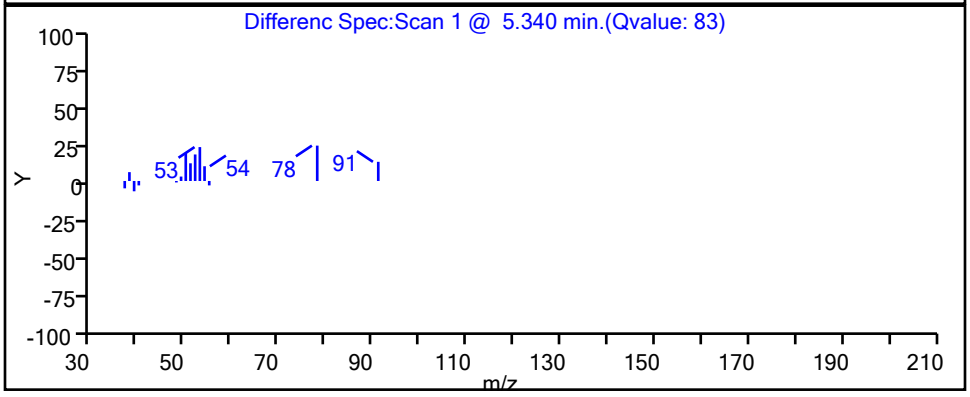
8 Butadiene, CAS: 106-99-0











Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

Injection Date: 17-Sep-2024 23:45:20 Instrument ID: CHAM.i

Lims ID: 200-75119-A-3 Lab Sample ID: 200-75119-3

Client ID: RXSV-9

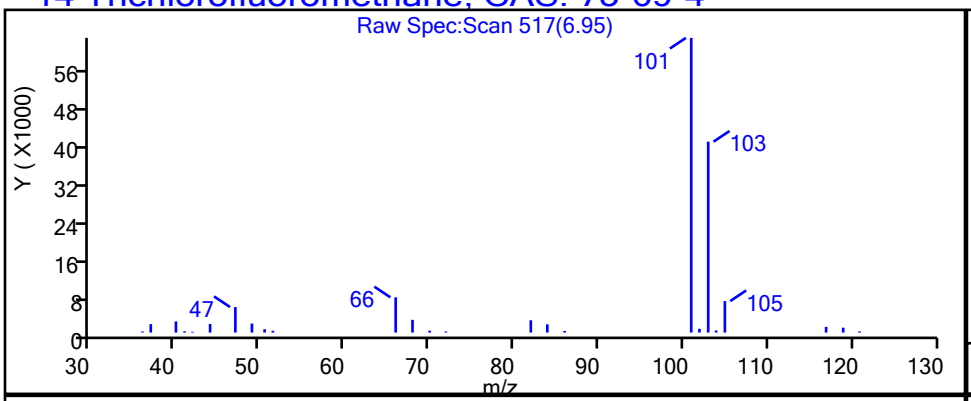
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 20

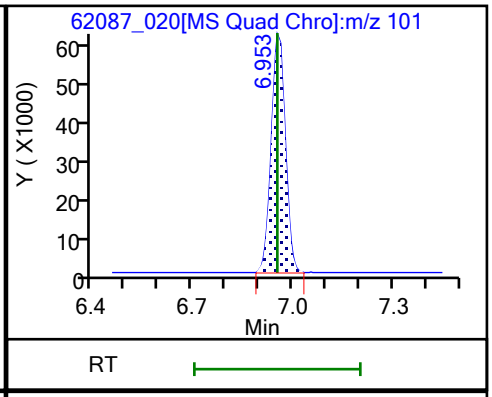
Purge Vol: 200.000 mL Dil. Factor: 1.0000

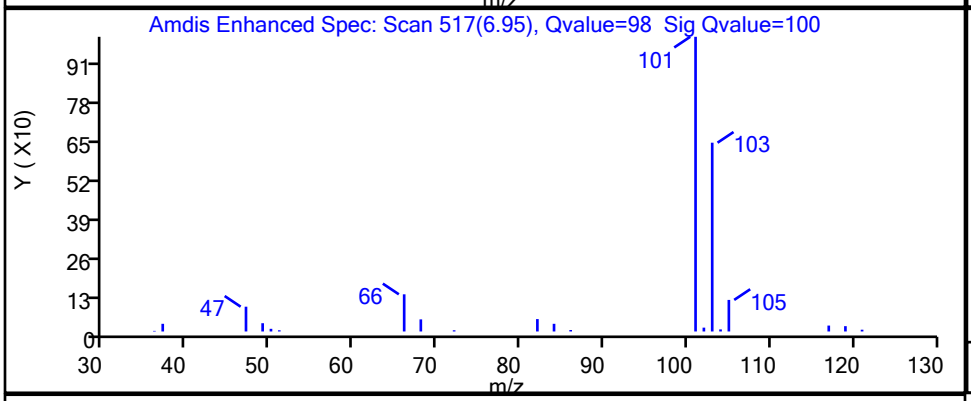
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

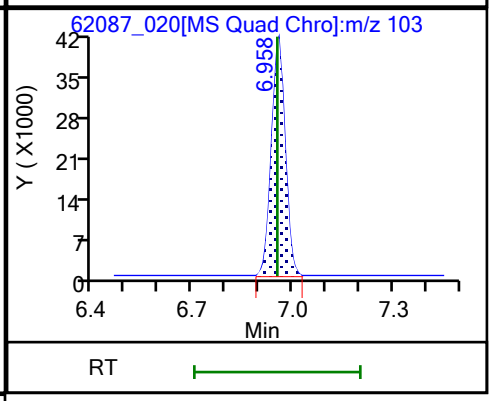
Column: RTX-624 (0.32 mm) Detector MS SCAN

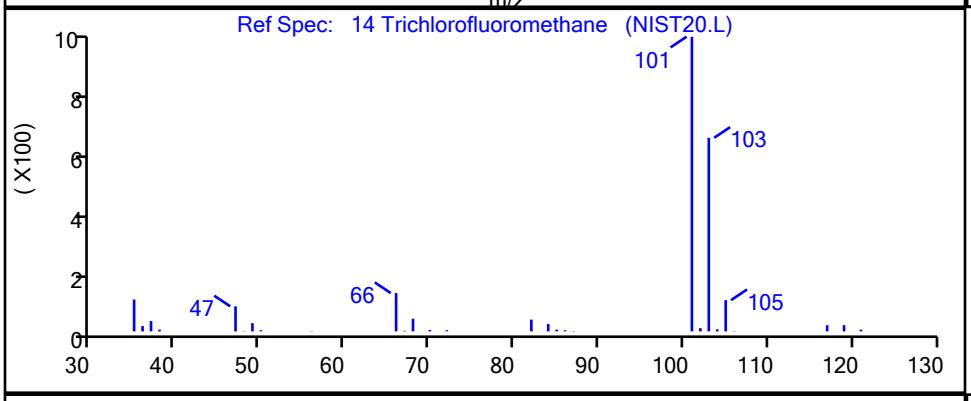
14 Trichlorofluoromethane, CAS: 75-69-4

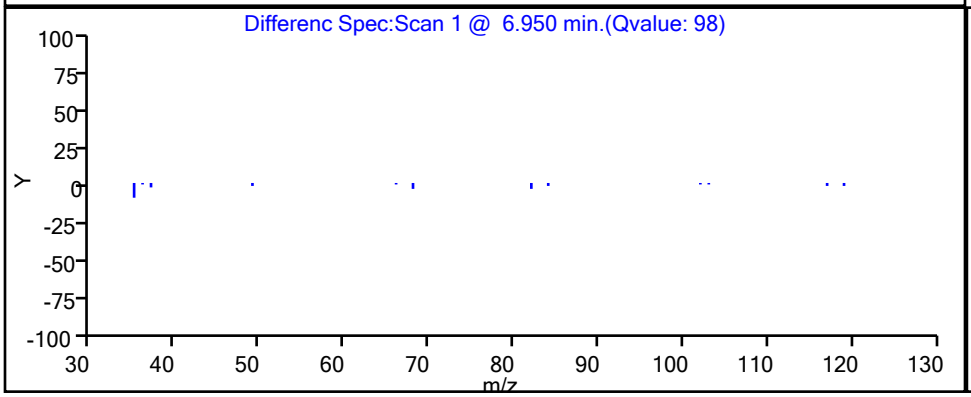


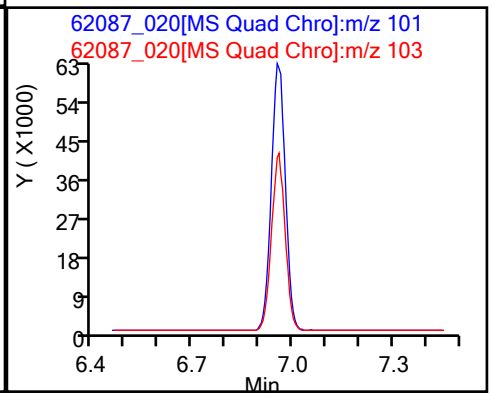










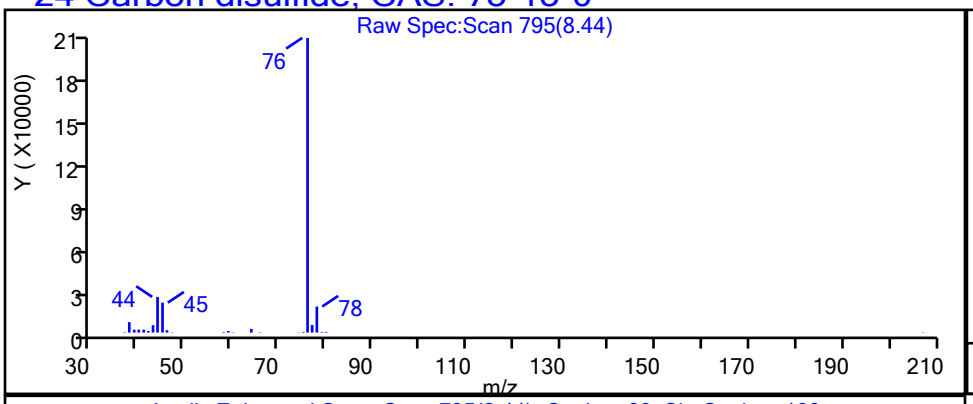


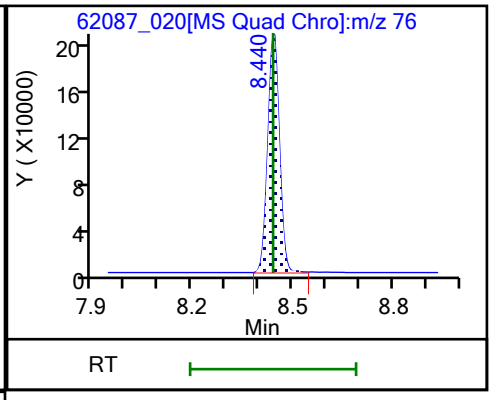
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

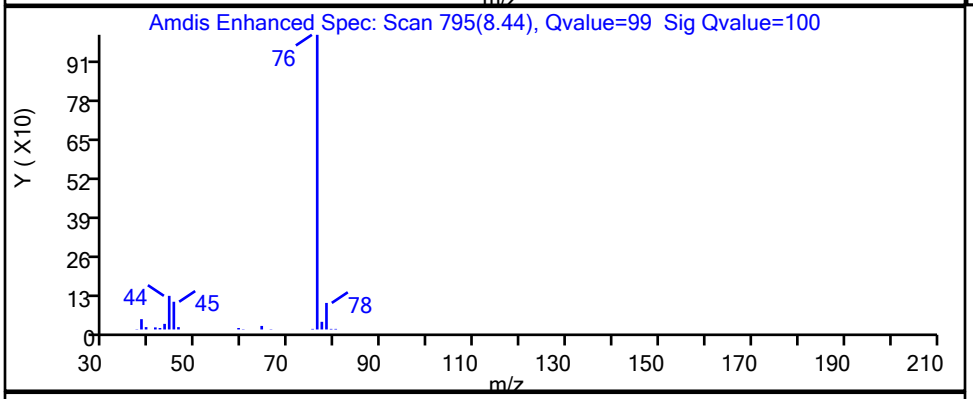
Eurofins Burlington

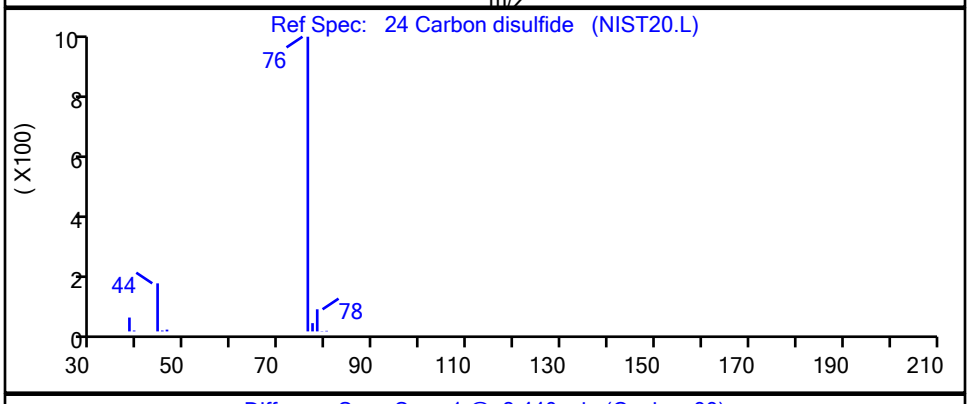
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

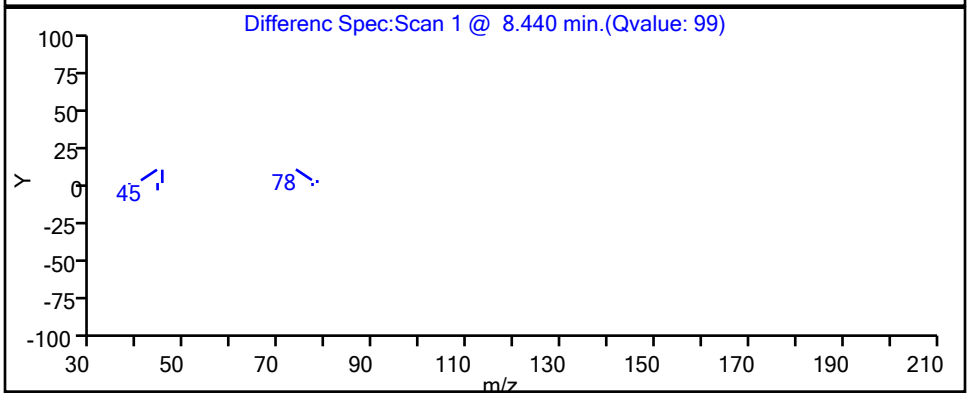
24 Carbon disulfide, CAS: 75-15-0











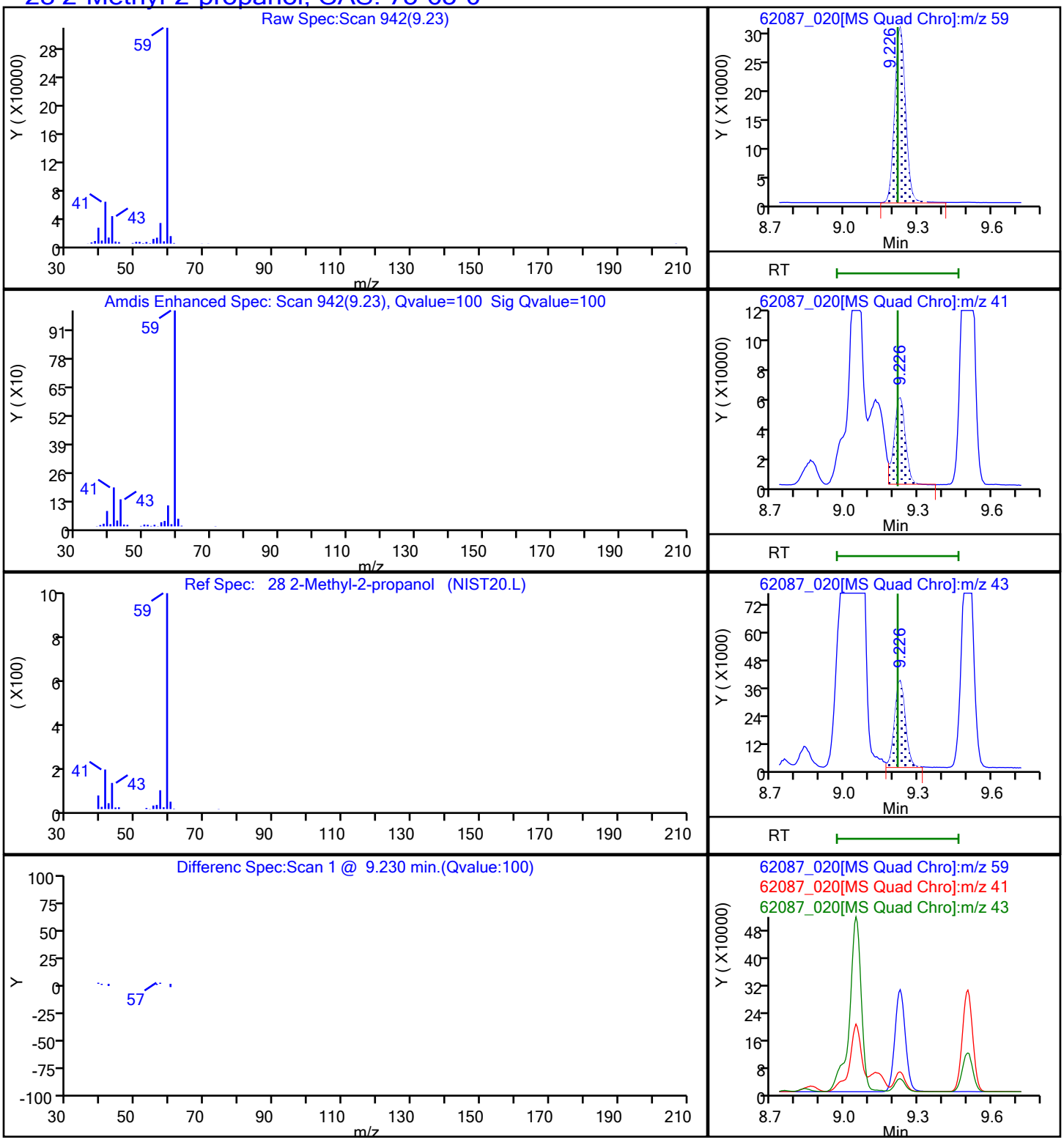
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0

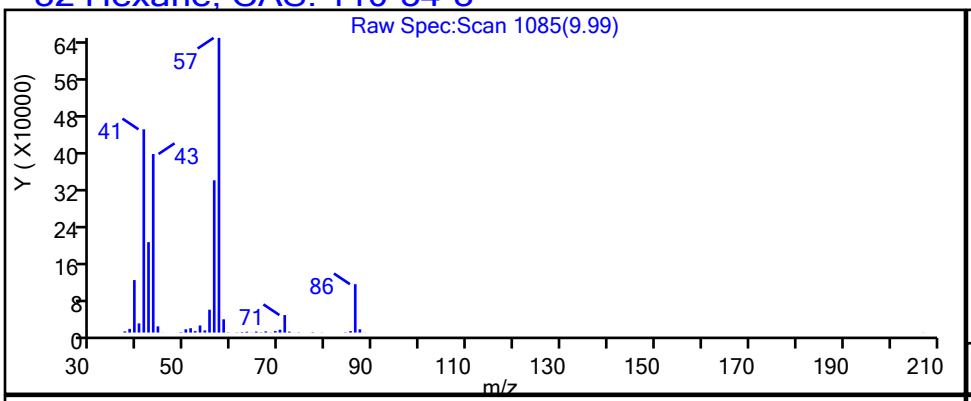


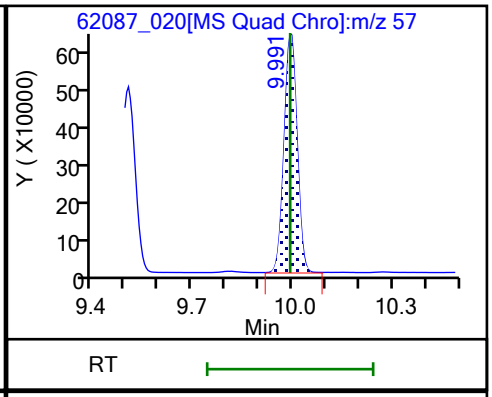
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

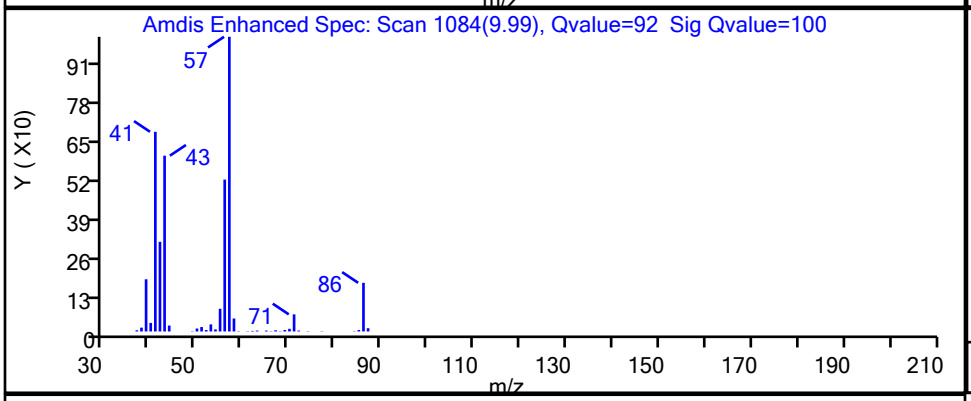
Eurofins Burlington

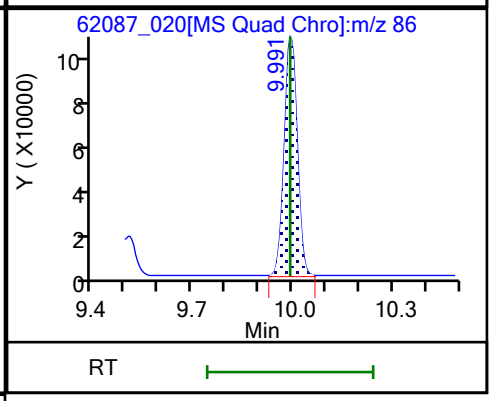
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

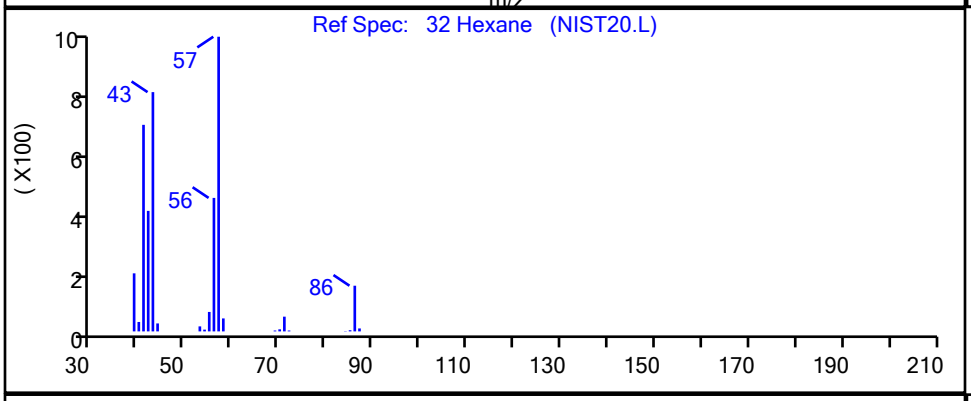
32 Hexane, CAS: 110-54-3

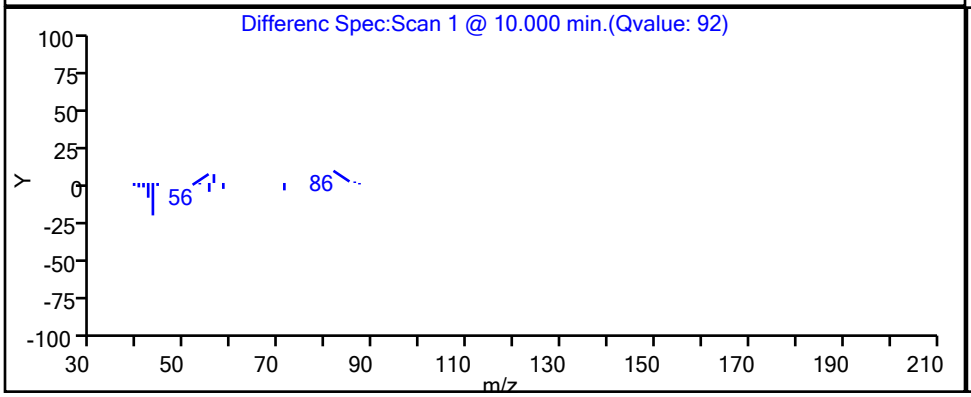


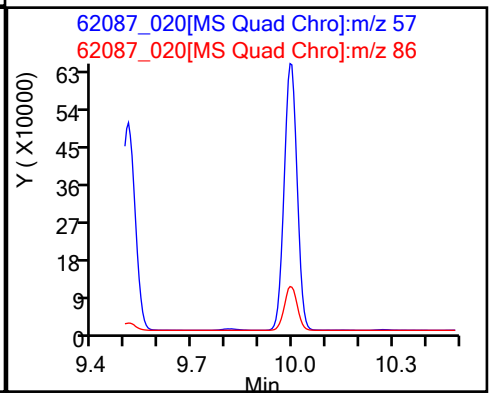












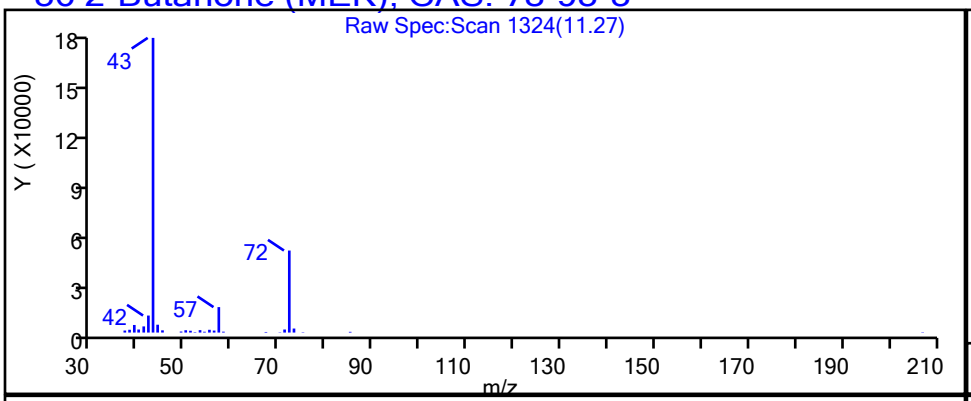
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

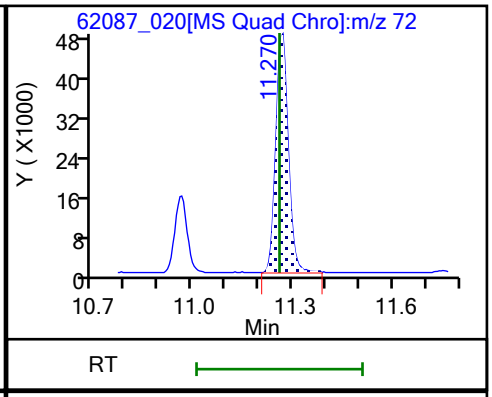
Eurofins Burlington

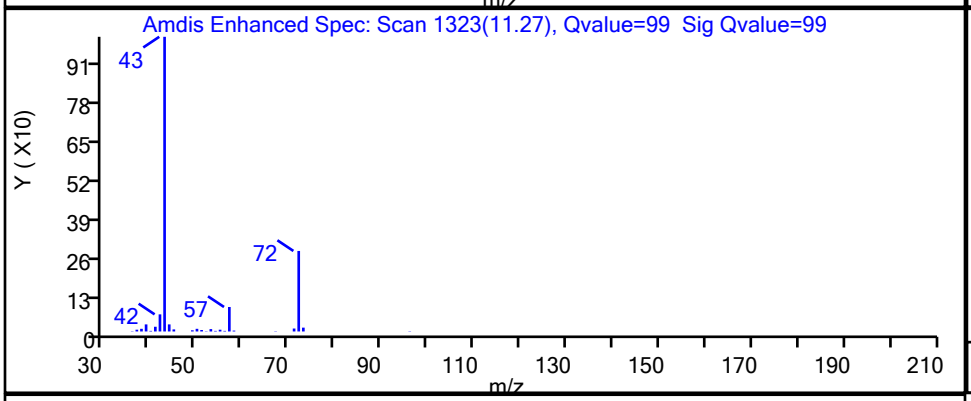
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

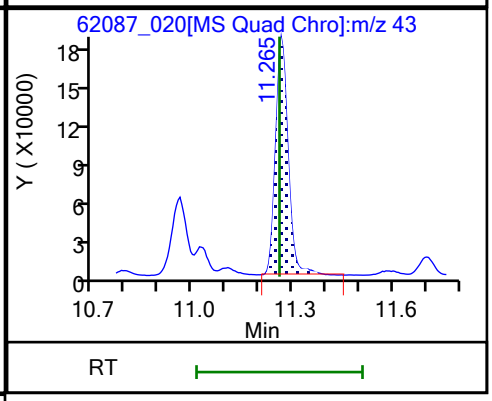
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

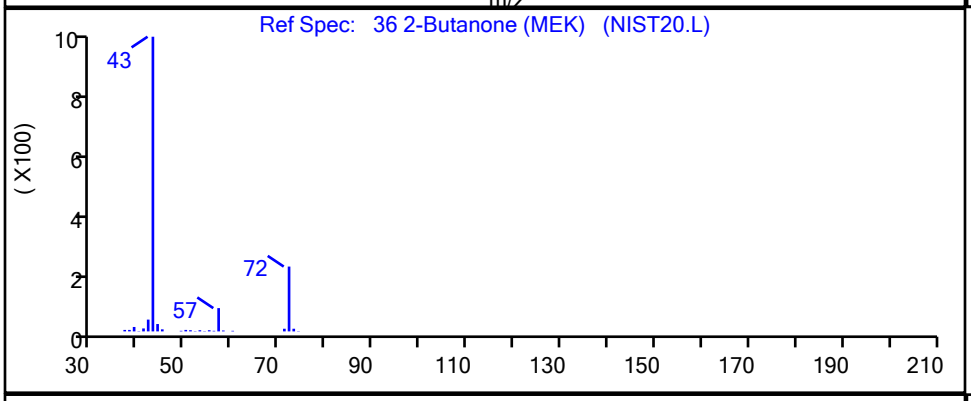
36 2-Butanone (MEK), CAS: 78-93-3

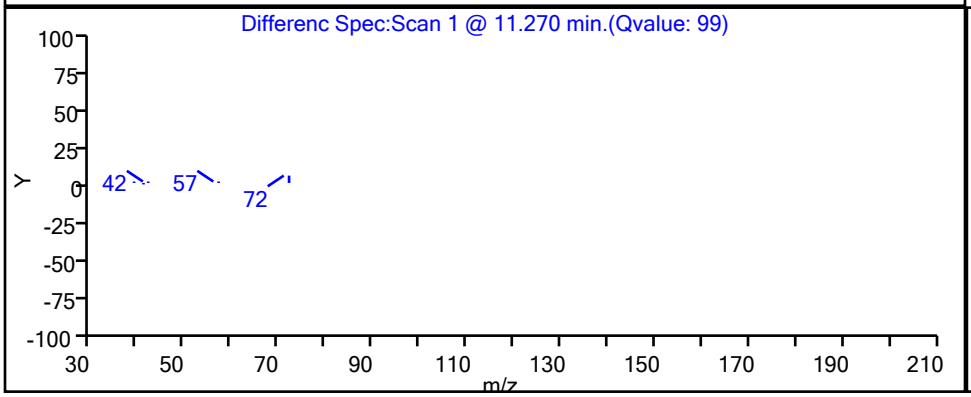


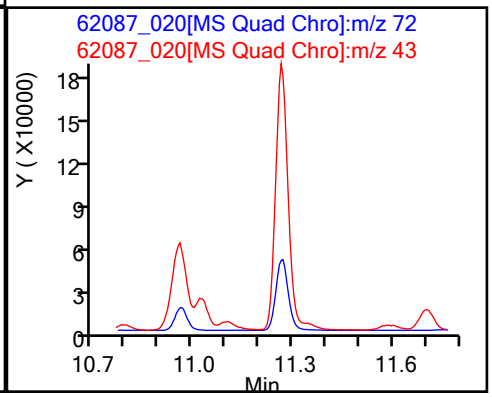










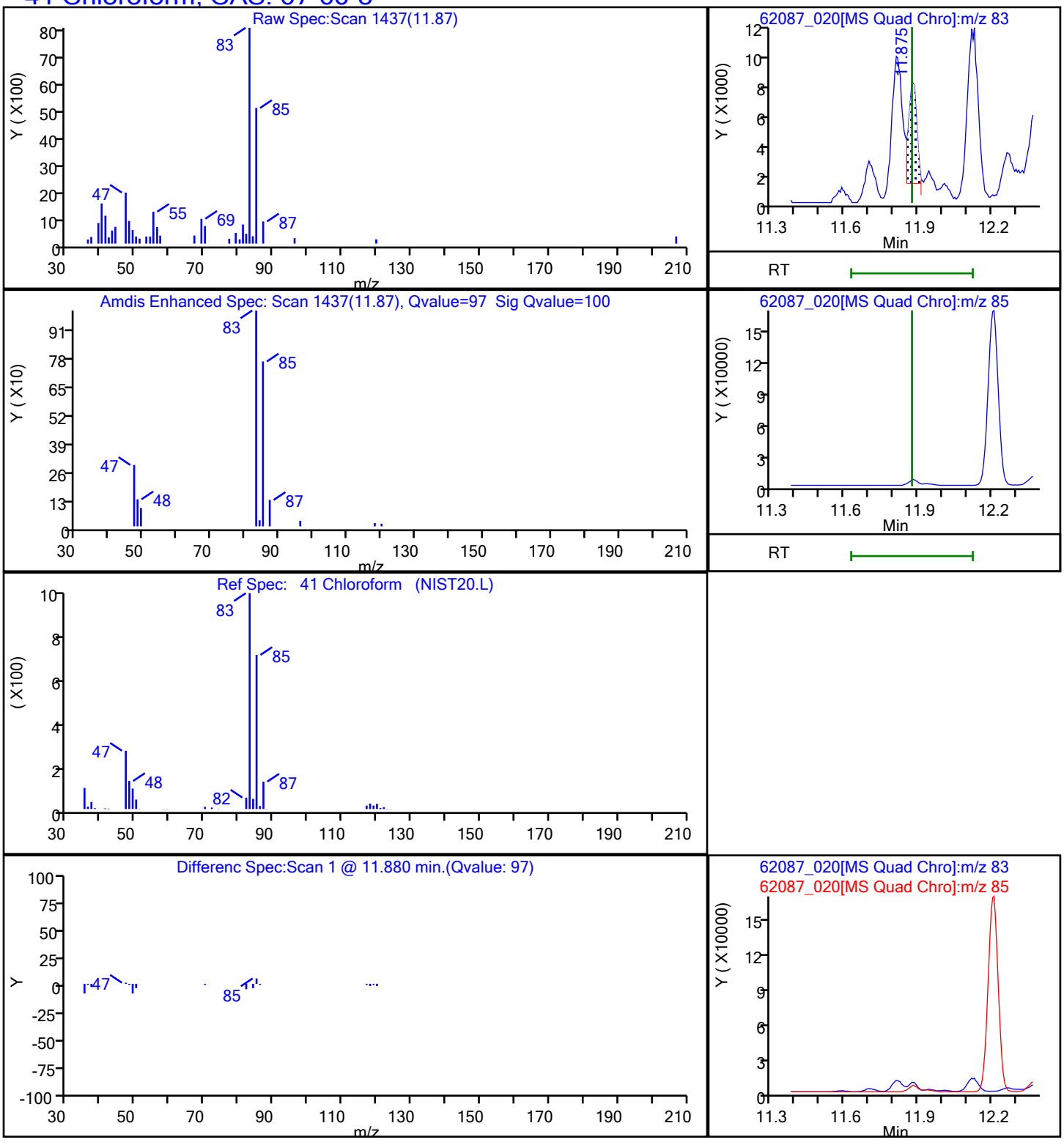


Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

41 Chloroform, CAS: 67-66-3

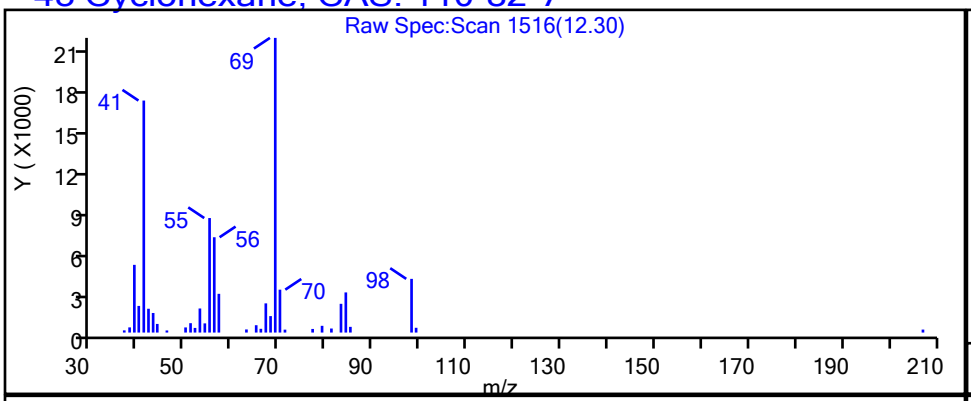


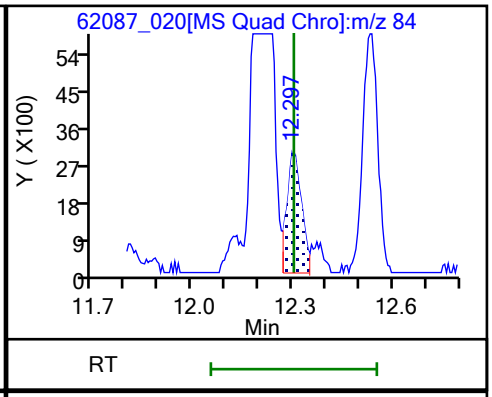
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

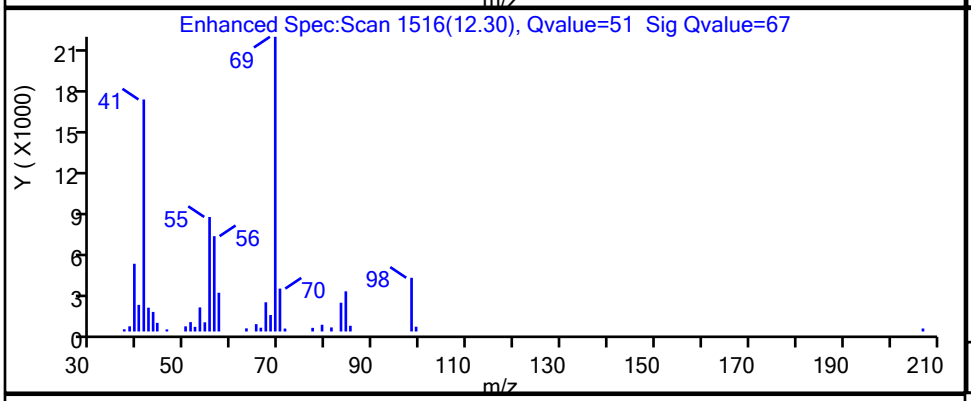
Eurofins Burlington

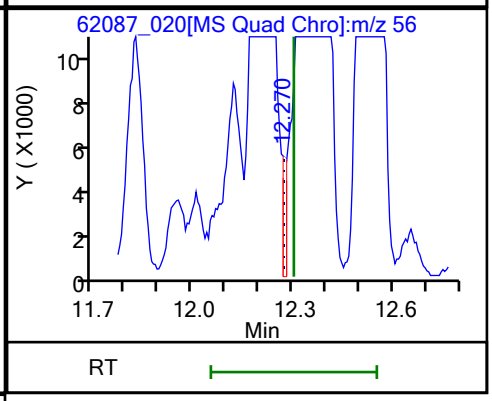
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

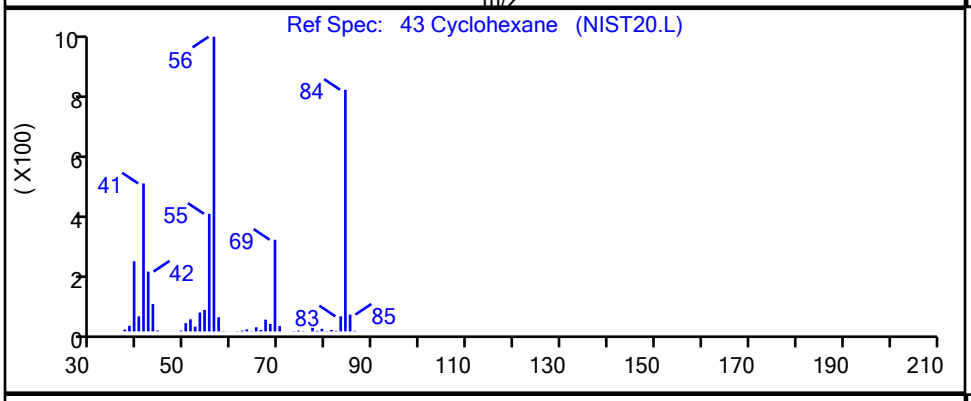
43 Cyclohexane, CAS: 110-82-7

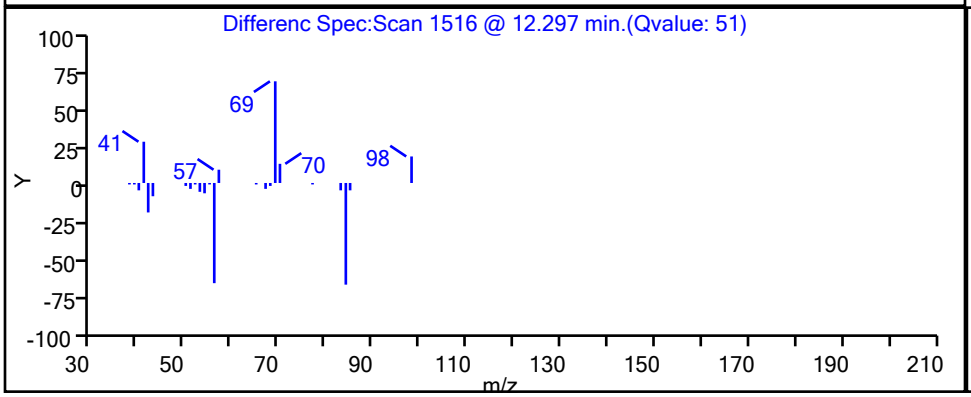


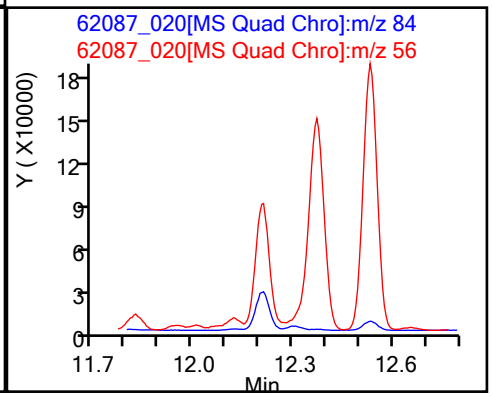










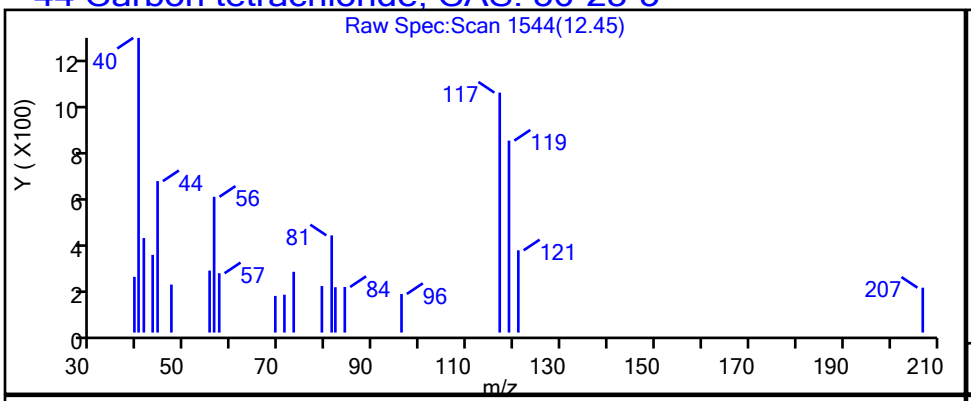


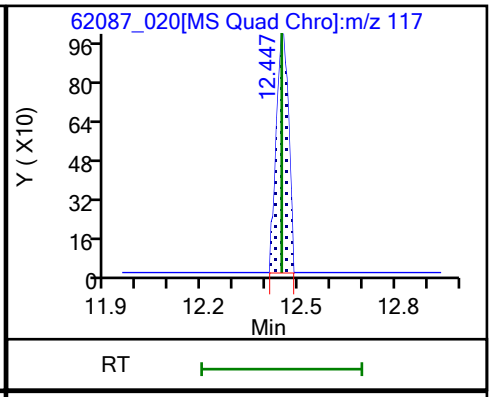
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

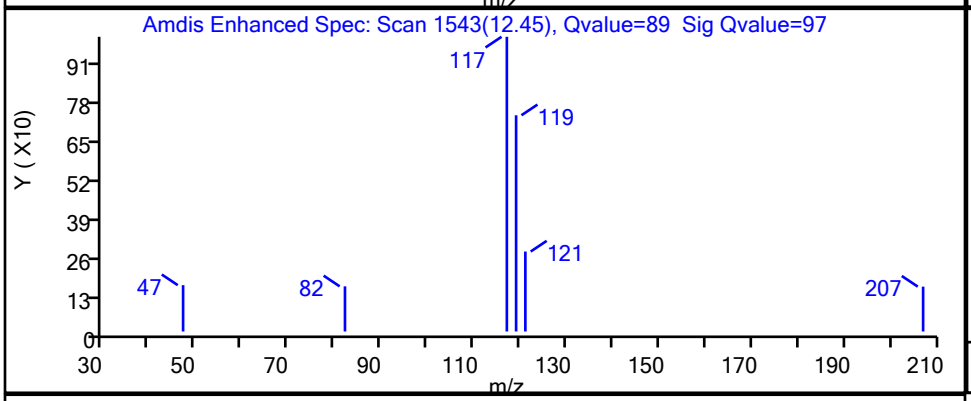
Eurofins Burlington

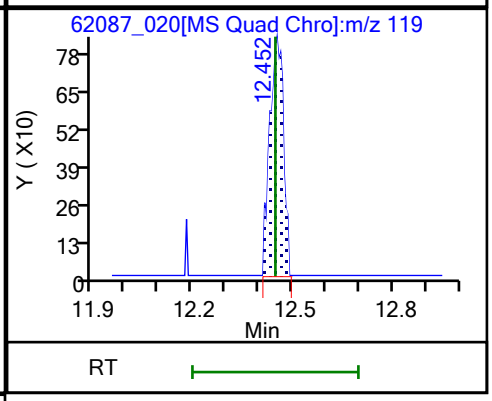
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

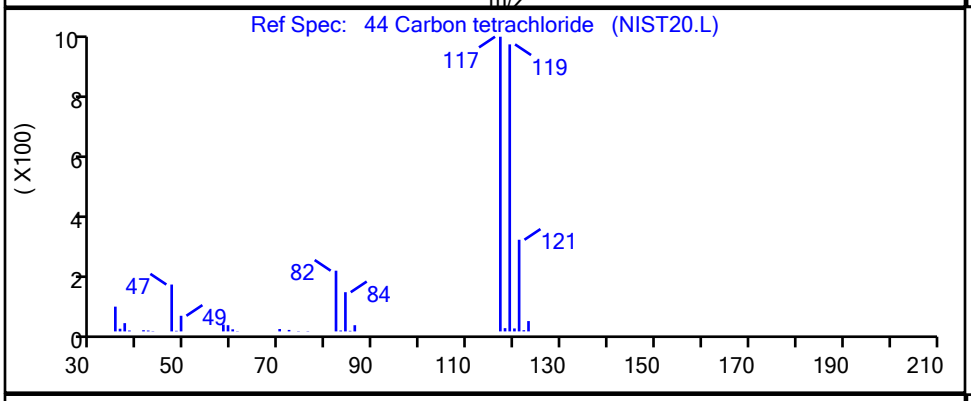
44 Carbon tetrachloride, CAS: 56-23-5

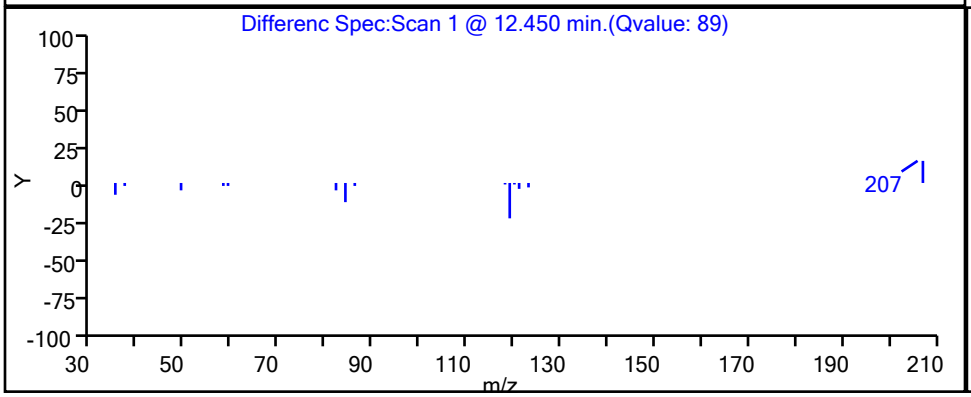


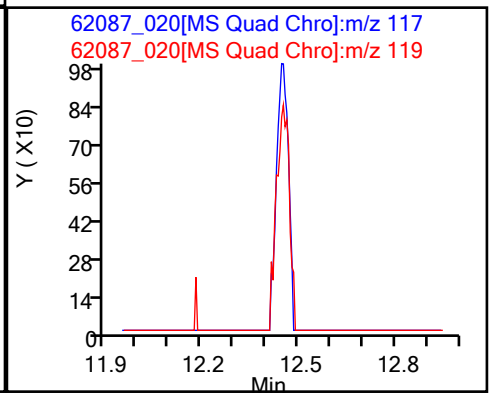










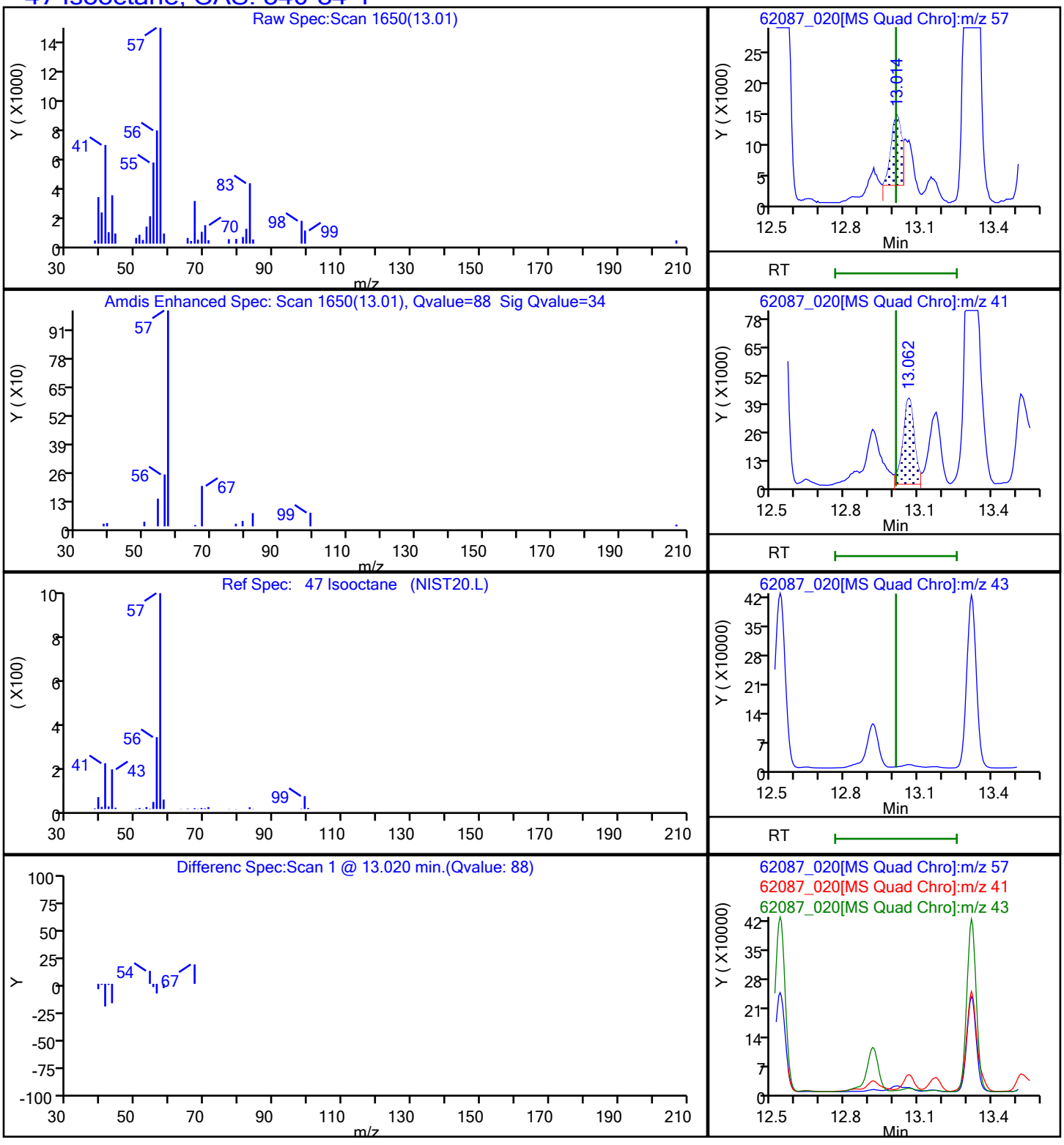


Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1



Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

Injection Date: 17-Sep-2024 23:45:20 Instrument ID: CHAM.i

Lims ID: 200-75119-A-3 Lab Sample ID: 200-75119-3

Client ID: RXSV-9

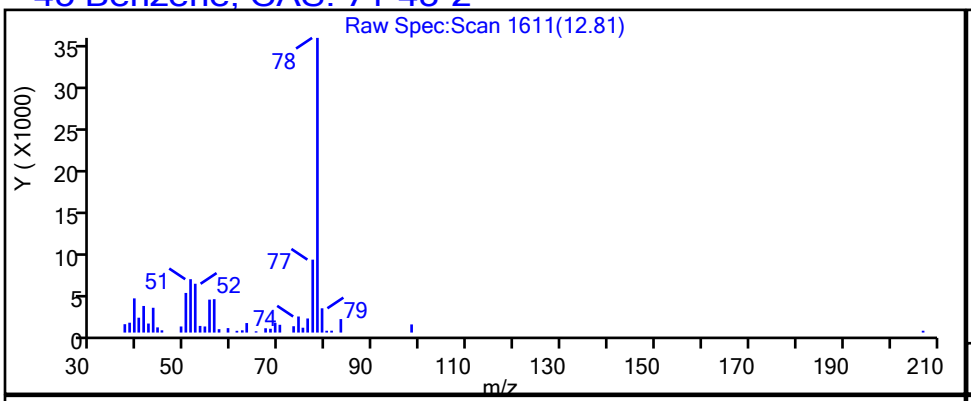
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 20

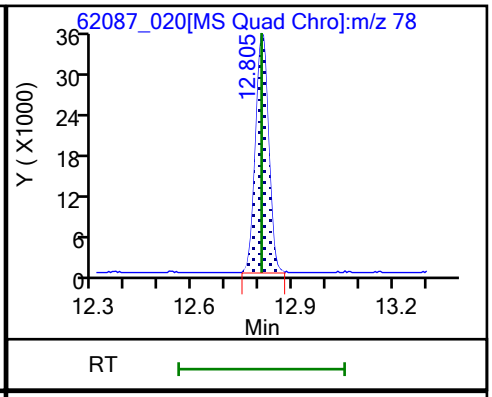
Purge Vol: 200.000 mL Dil. Factor: 1.0000

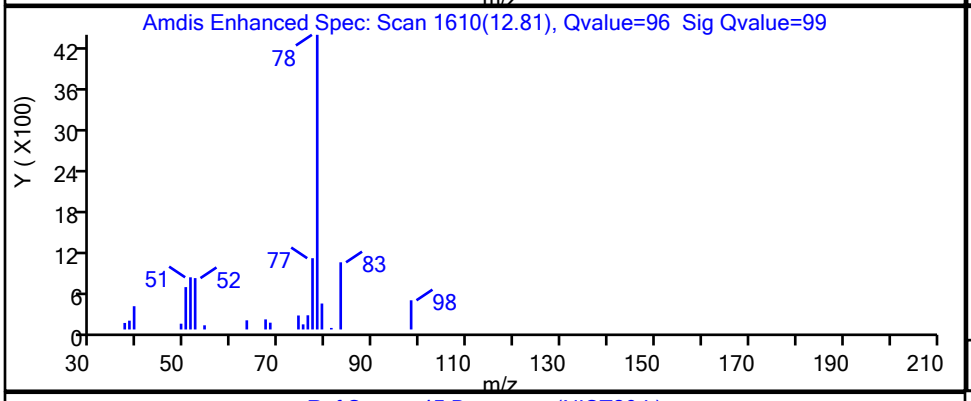
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

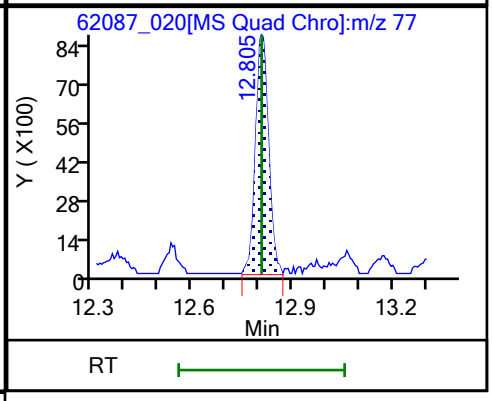
Column: RTX-624 (0.32 mm) Detector MS SCAN

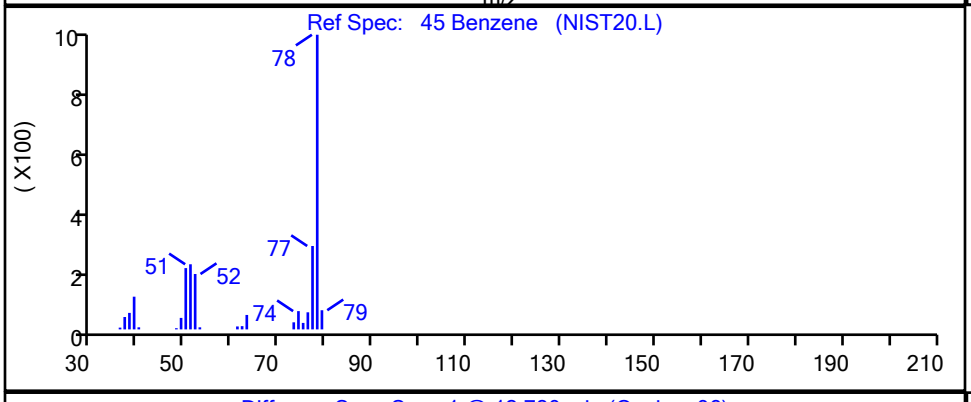
45 Benzene, CAS: 71-43-2

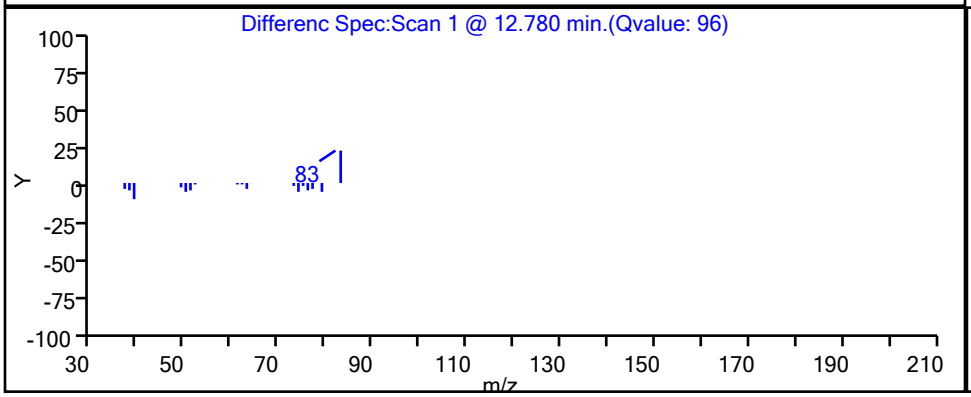


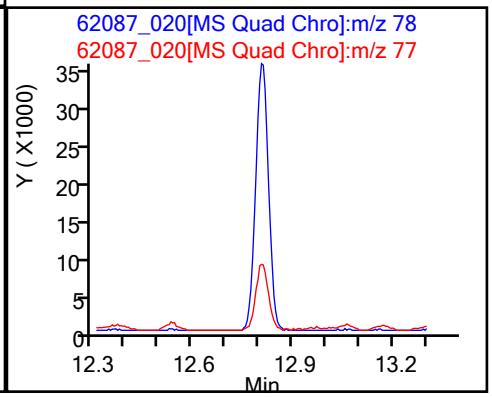












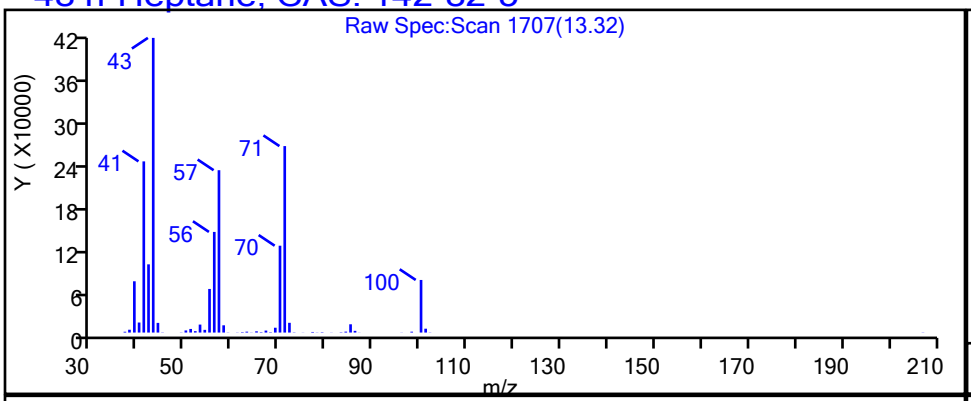
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

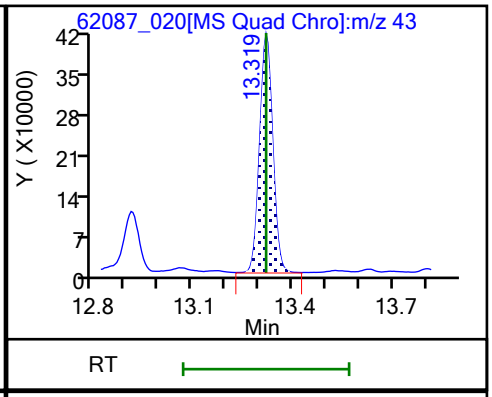
Eurofins Burlington

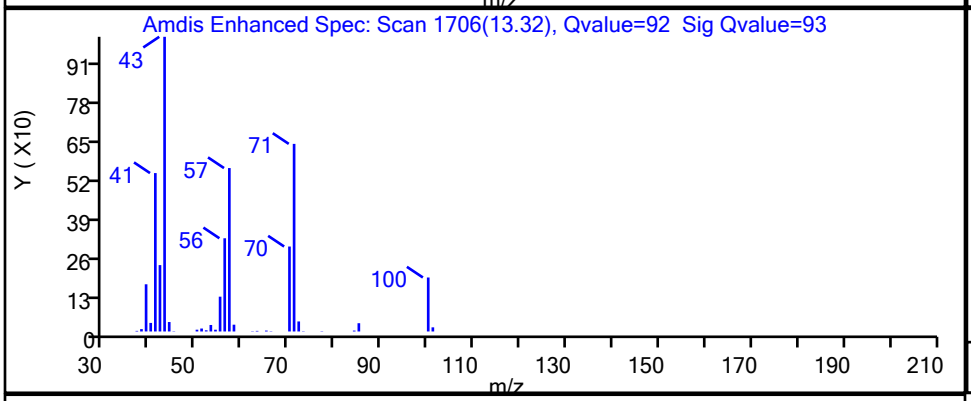
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

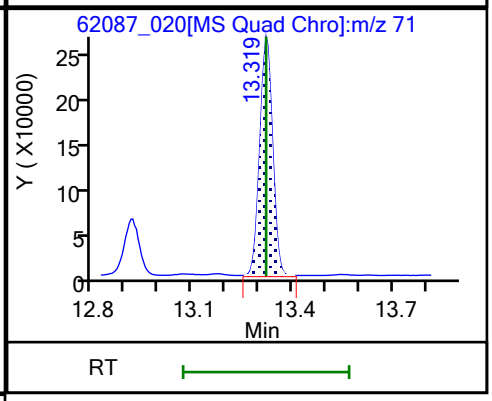
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

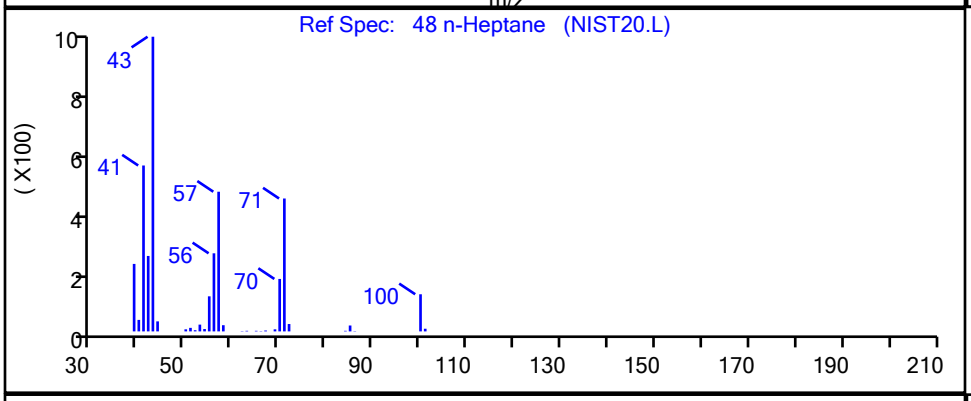
48 n-Heptane, CAS: 142-82-5

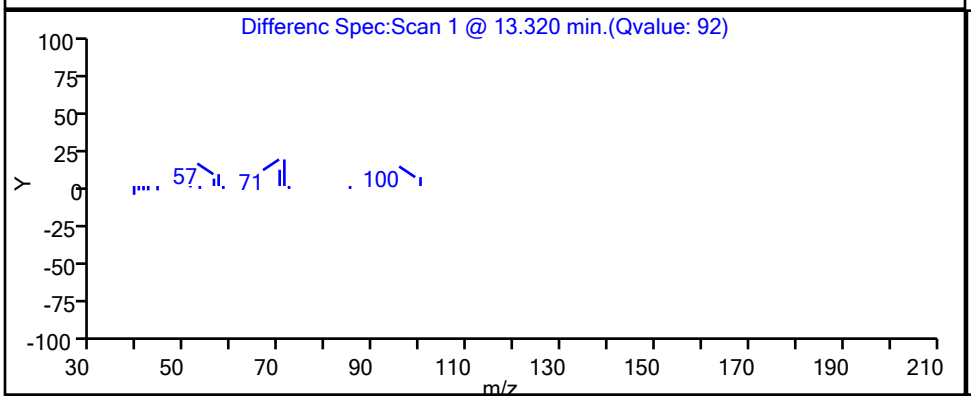


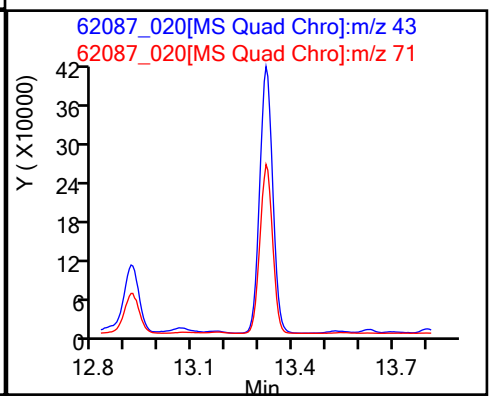










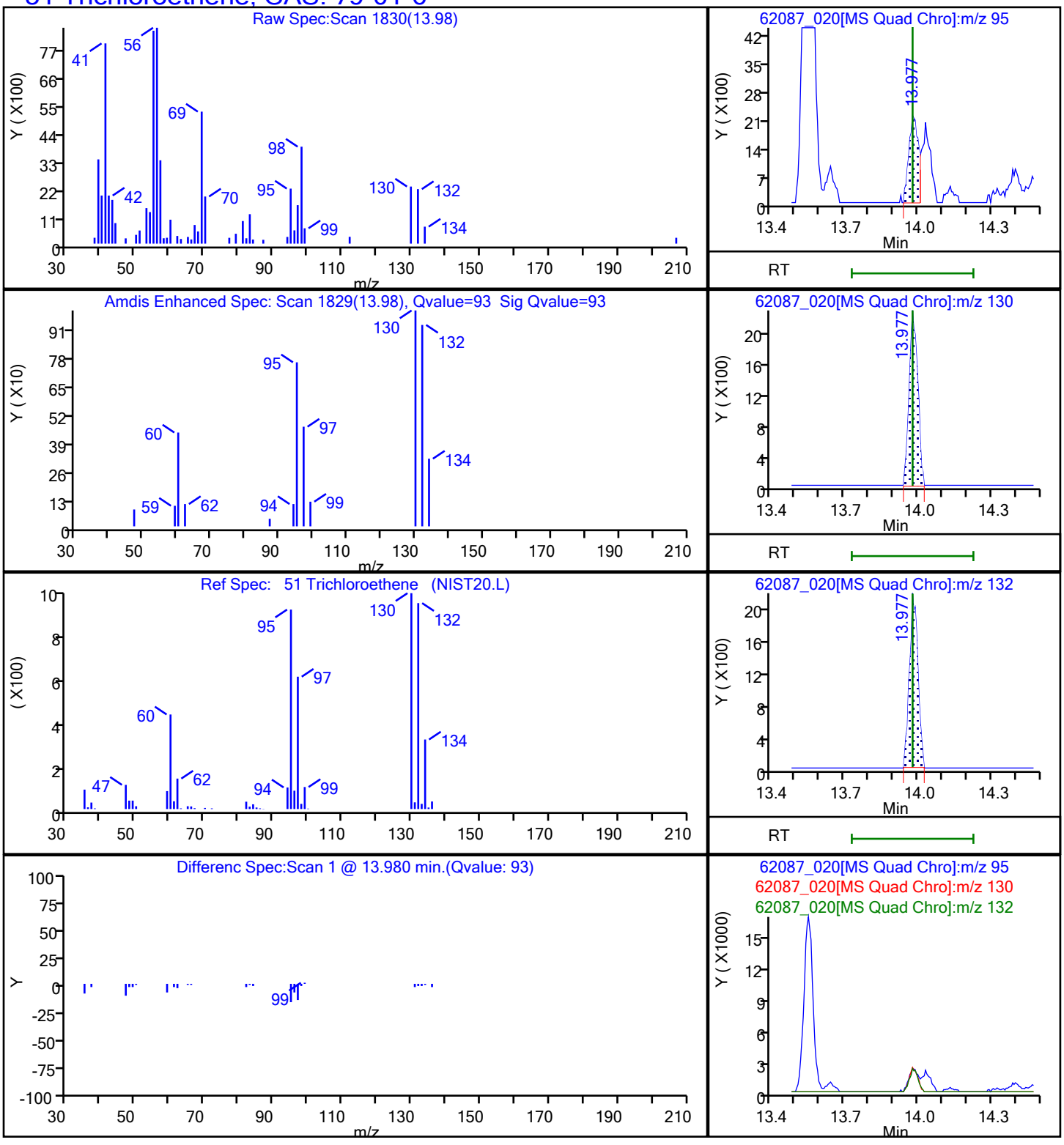


Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Trichloroethene, CAS: 79-01-6

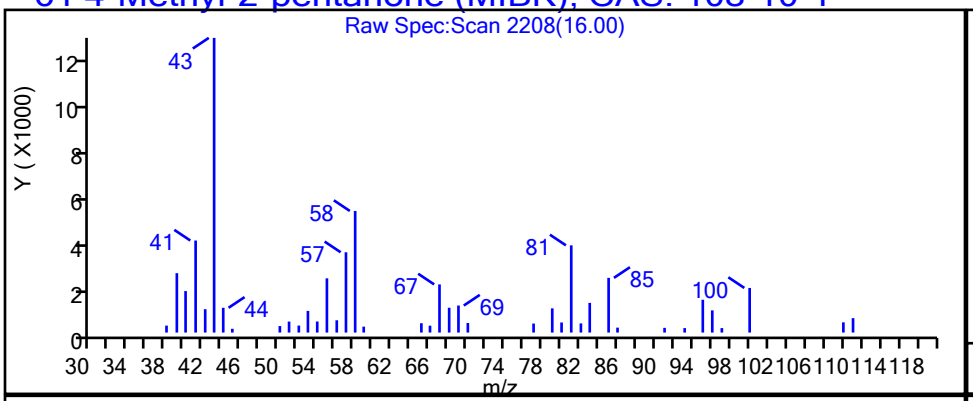


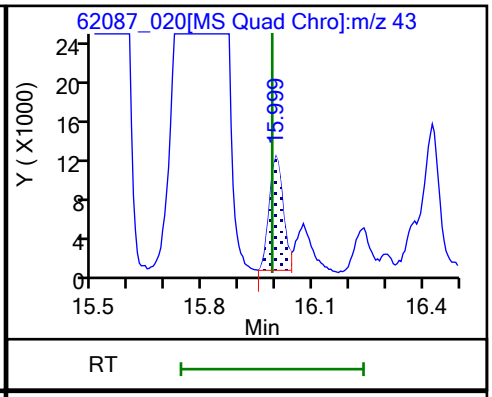
Report Date: 18-Sep-2024 11:45:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

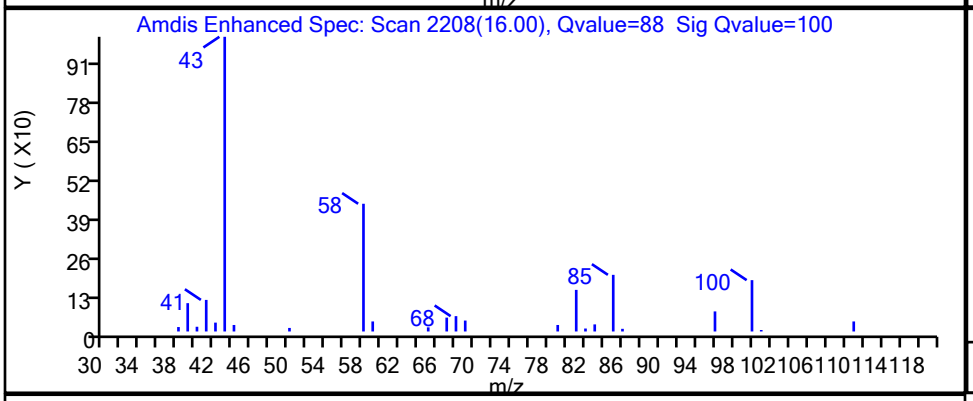
Eurofins Burlington

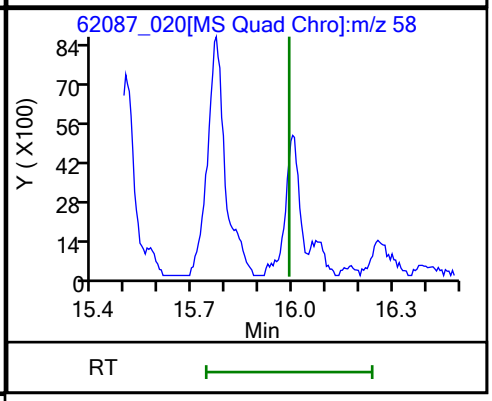
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

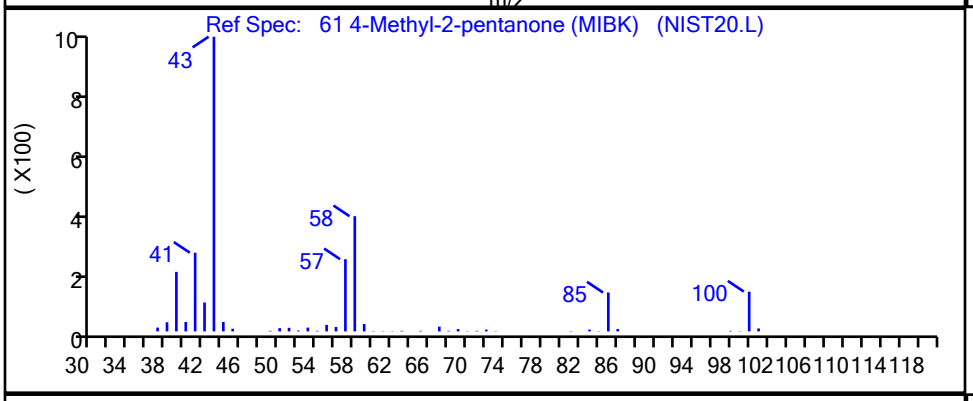
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

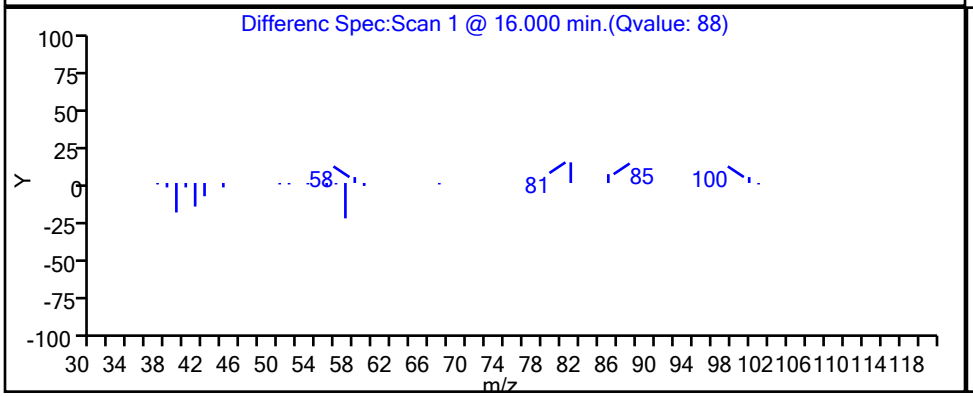


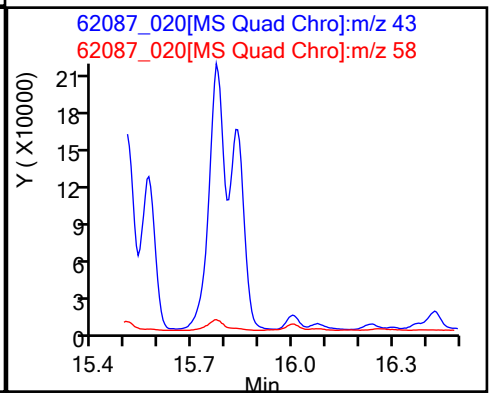










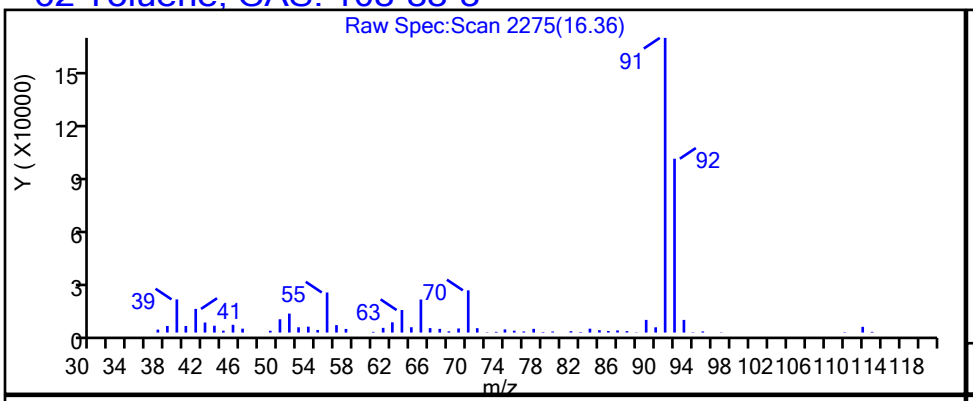


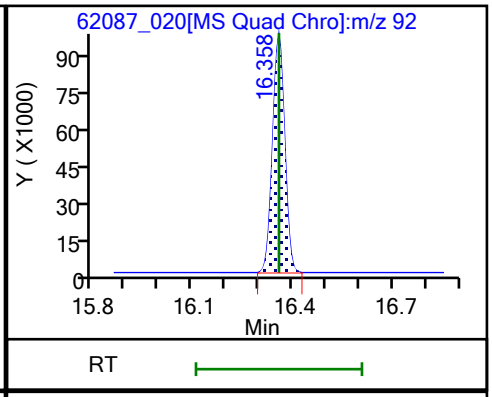
Report Date: 18-Sep-2024 11:45:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

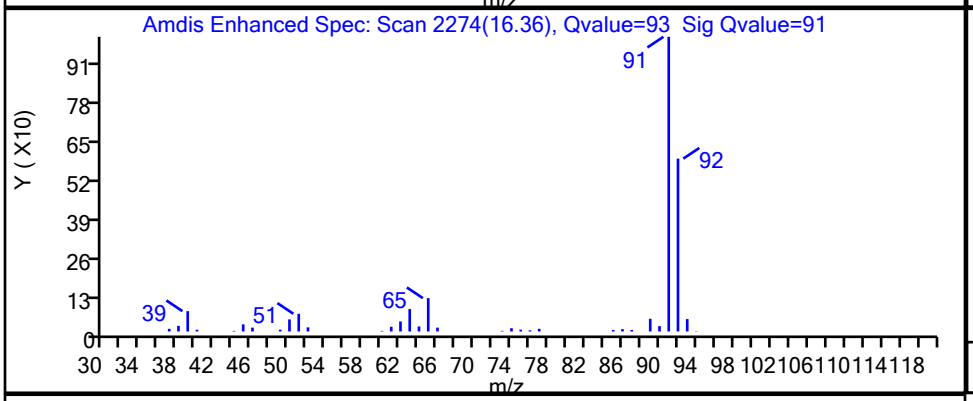
Eurofins Burlington

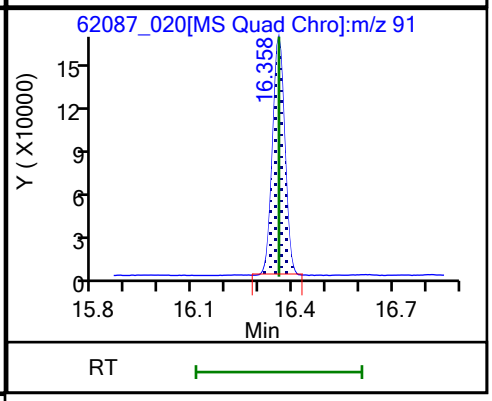
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

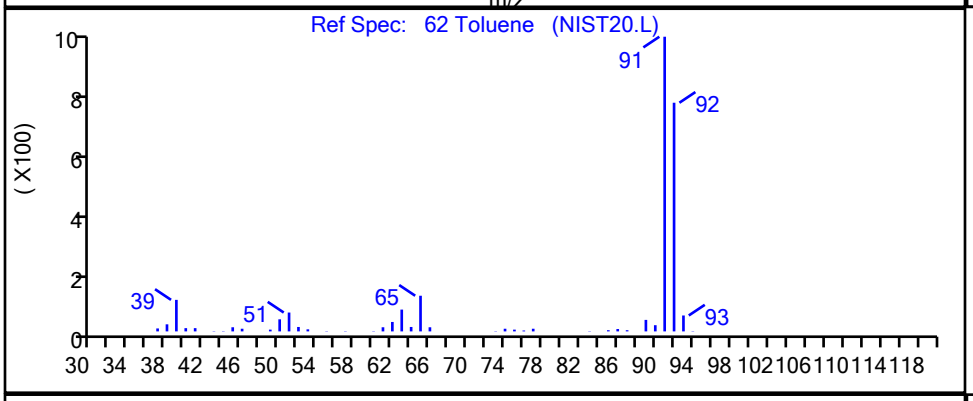
62 Toluene, CAS: 108-88-3

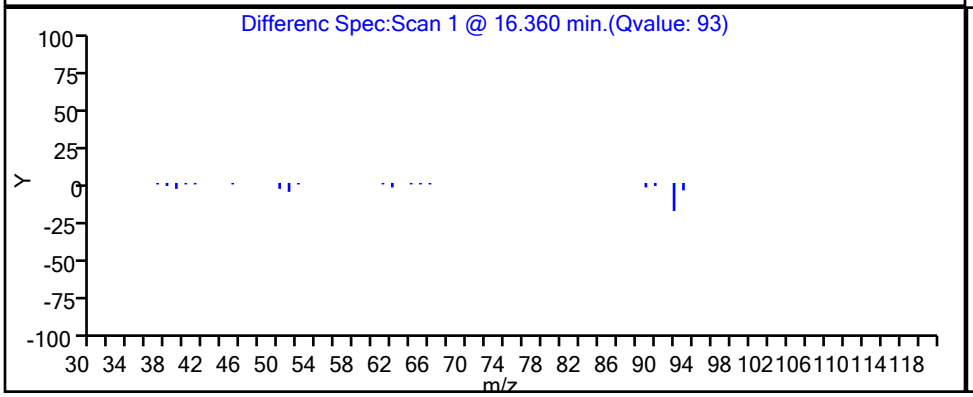


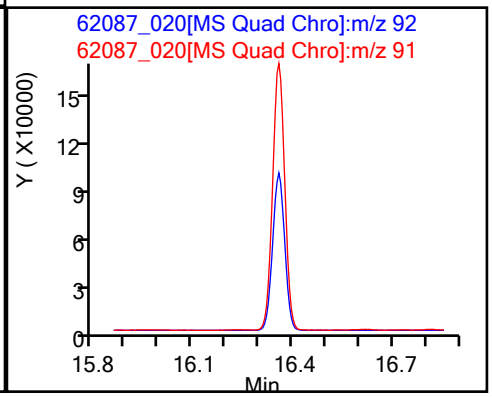












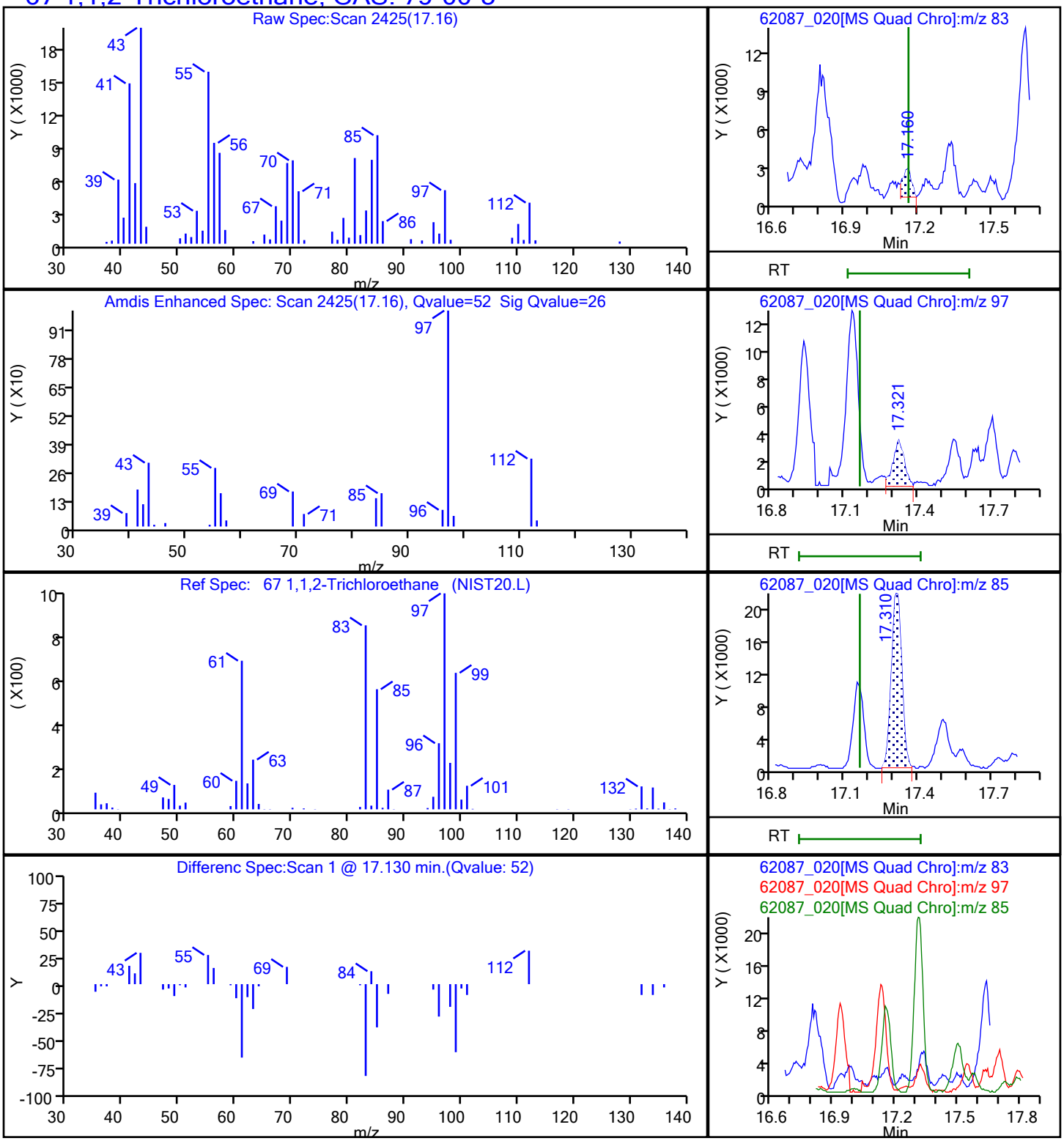
Report Date: 18-Sep-2024 11:45:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5



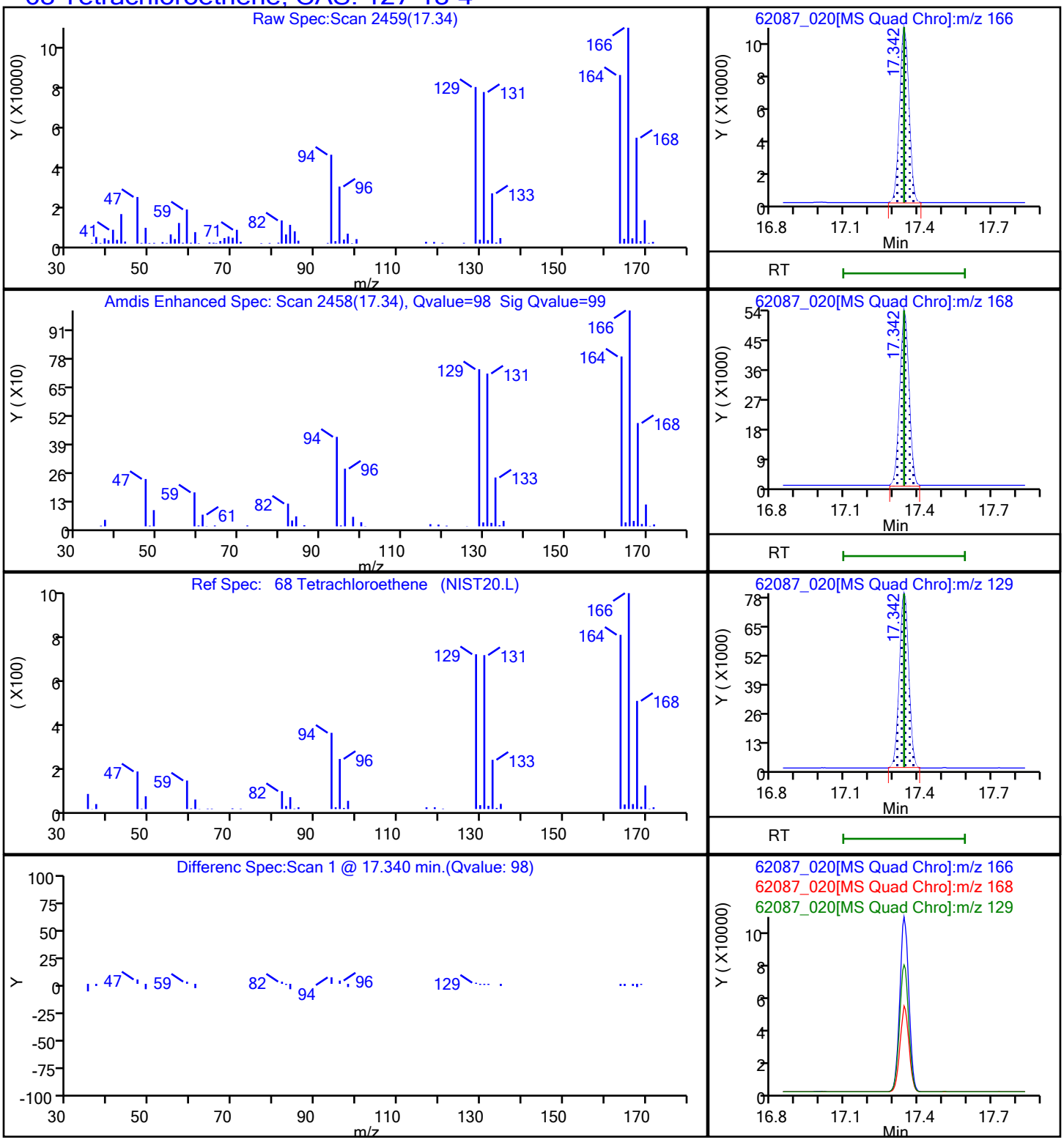
Report Date: 18-Sep-2024 11:45:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4



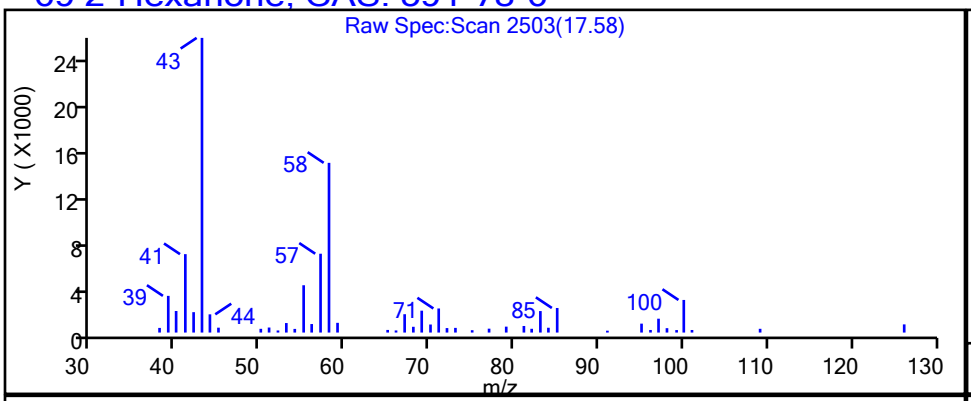
Report Date: 18-Sep-2024 11:45:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

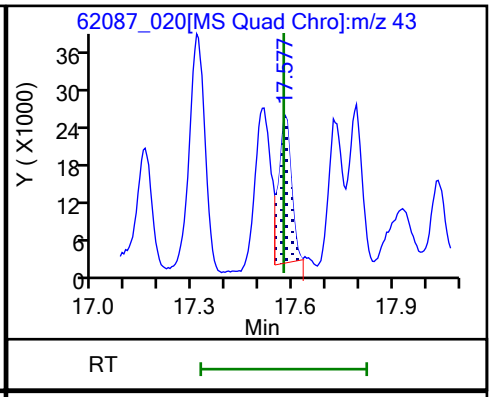
Eurofins Burlington

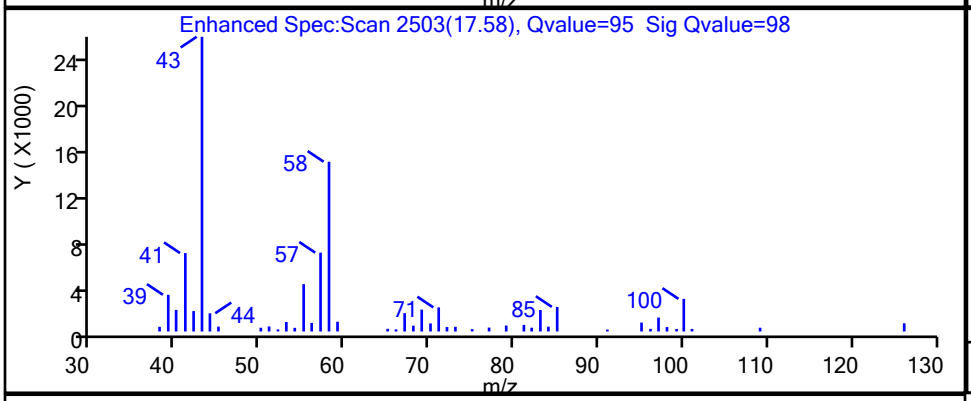
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

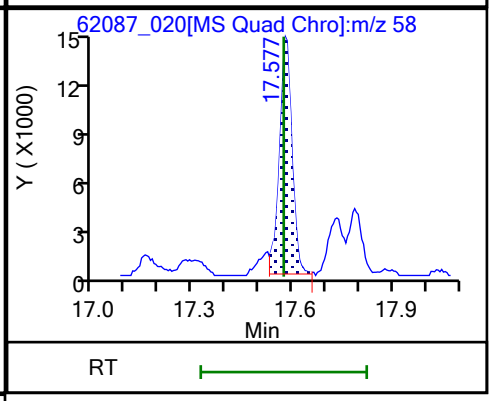
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

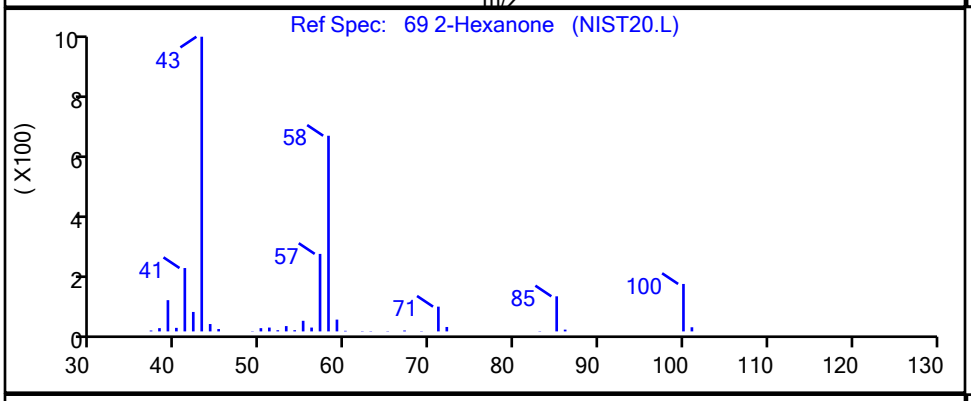
69 2-Hexanone, CAS: 591-78-6

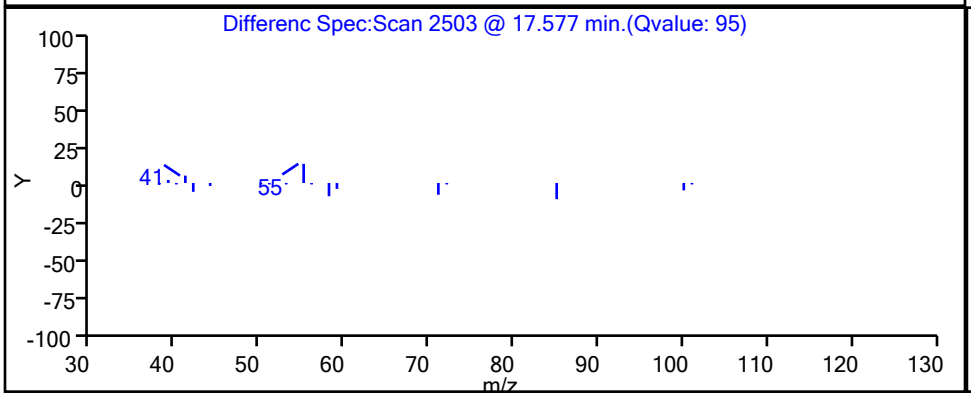


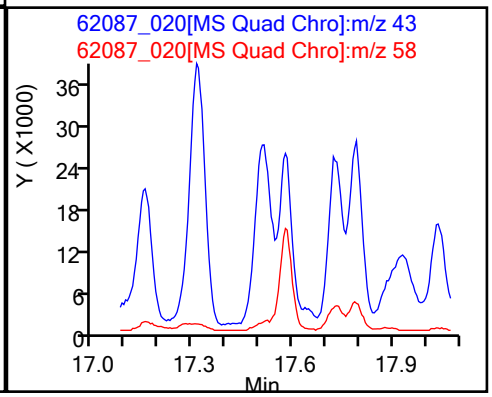










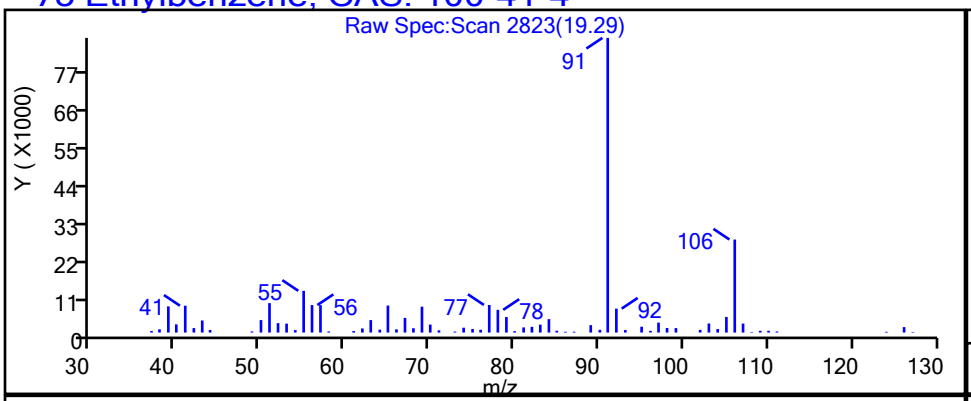


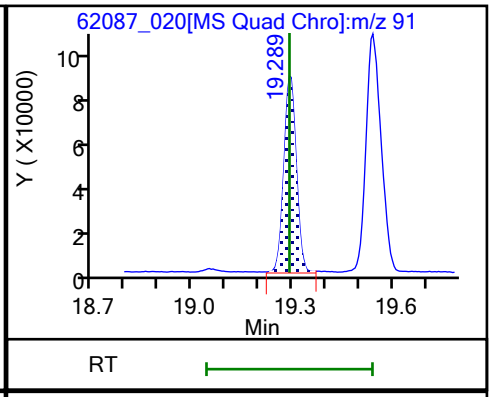
Report Date: 18-Sep-2024 11:45:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

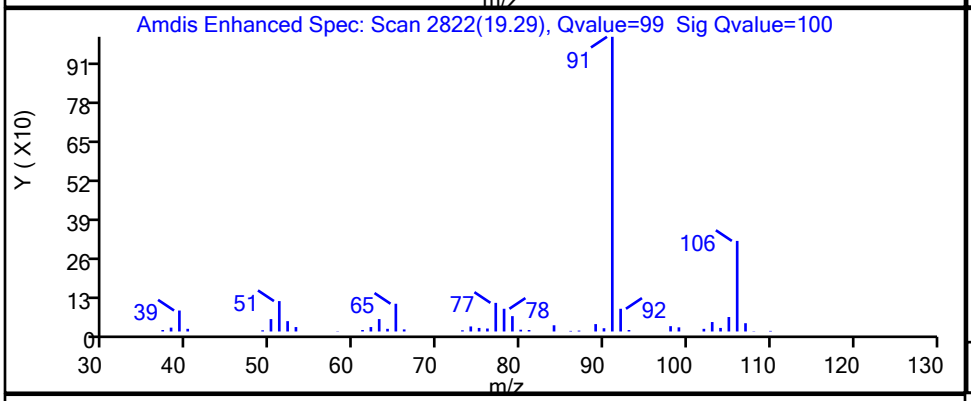
Eurofins Burlington

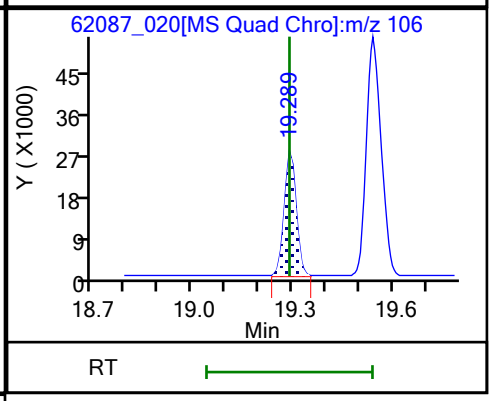
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

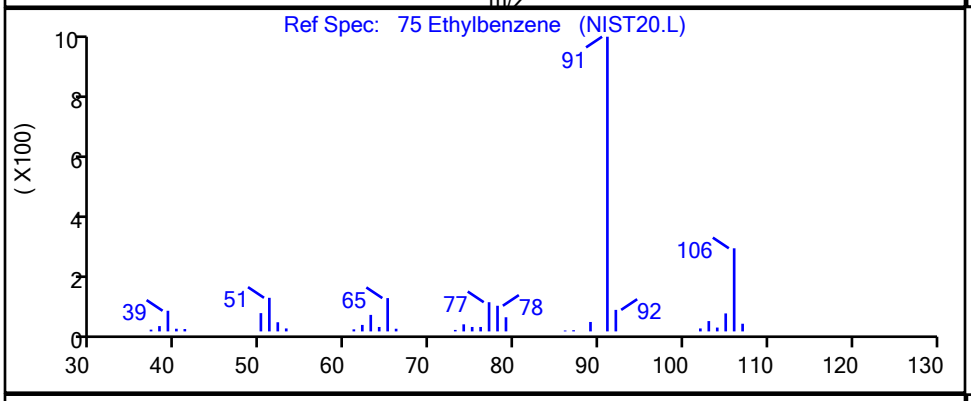
75 Ethylbenzene, CAS: 100-41-4

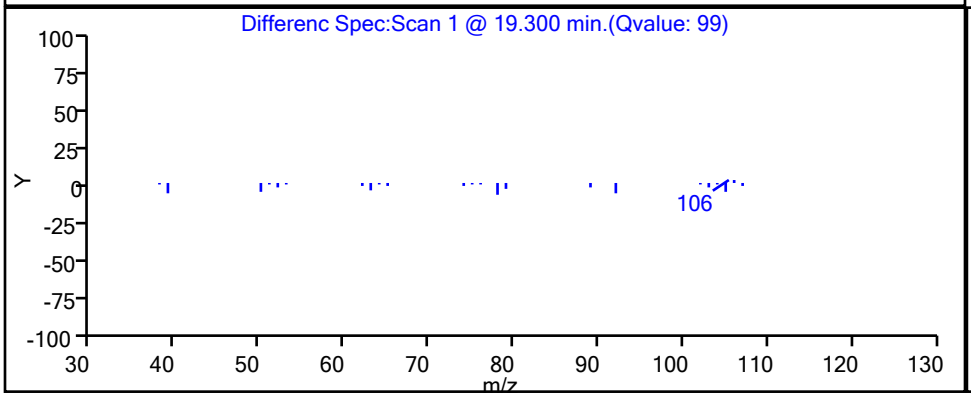


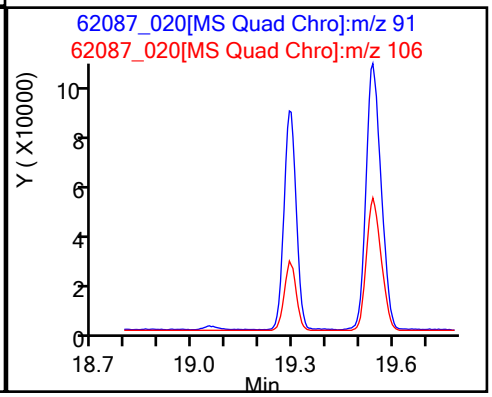












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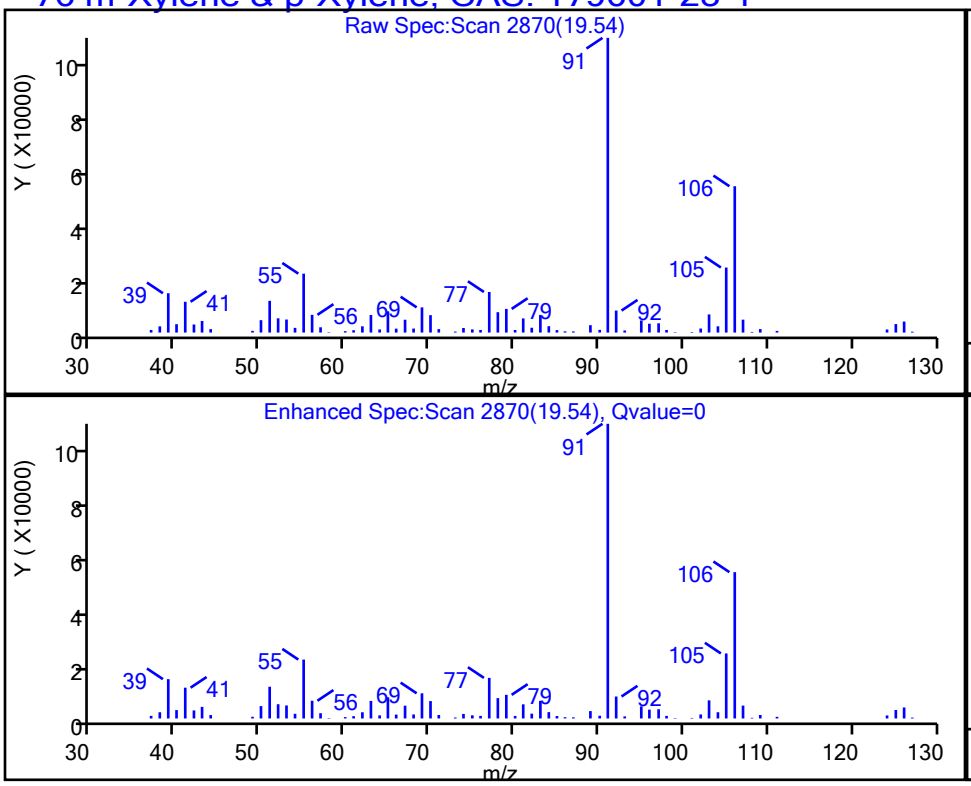
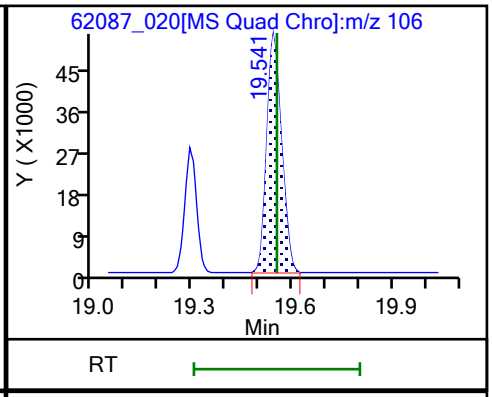
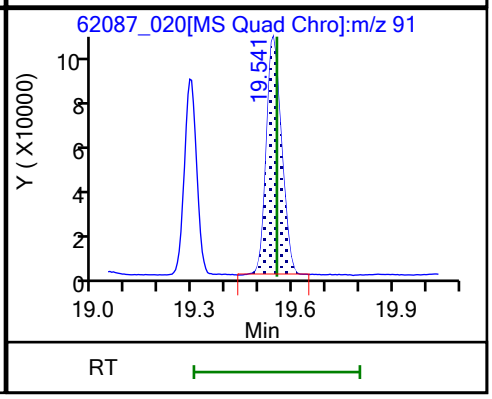
Eurofins Burlington

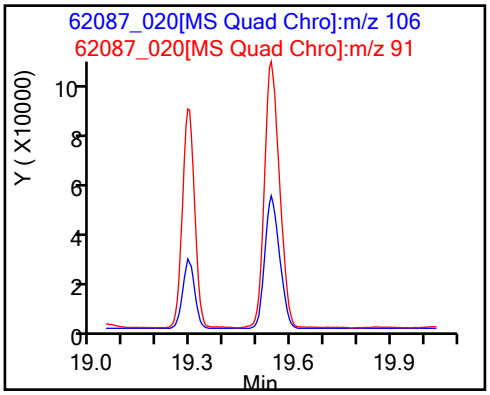
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1









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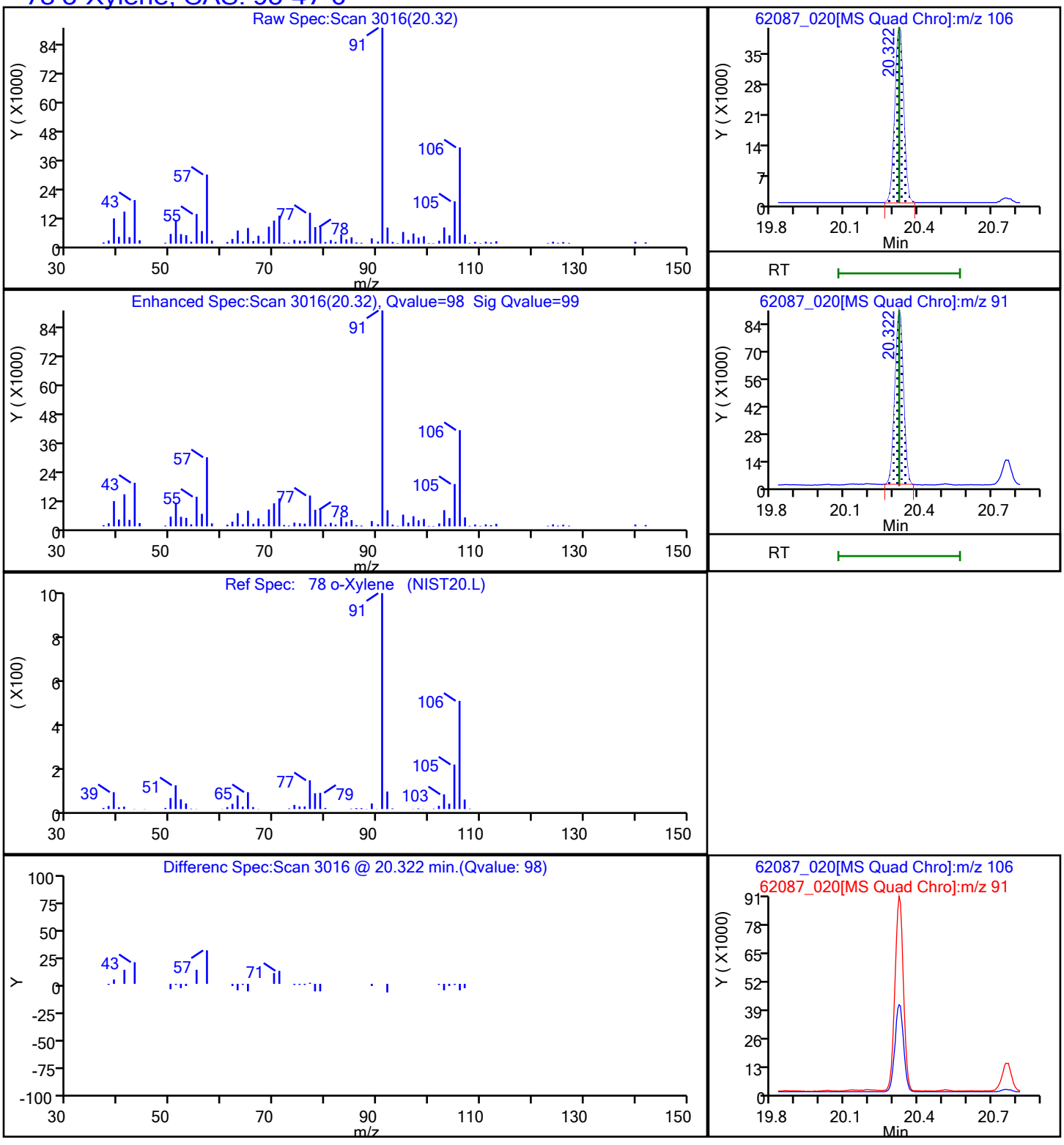
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 o-Xylene, CAS: 95-47-6



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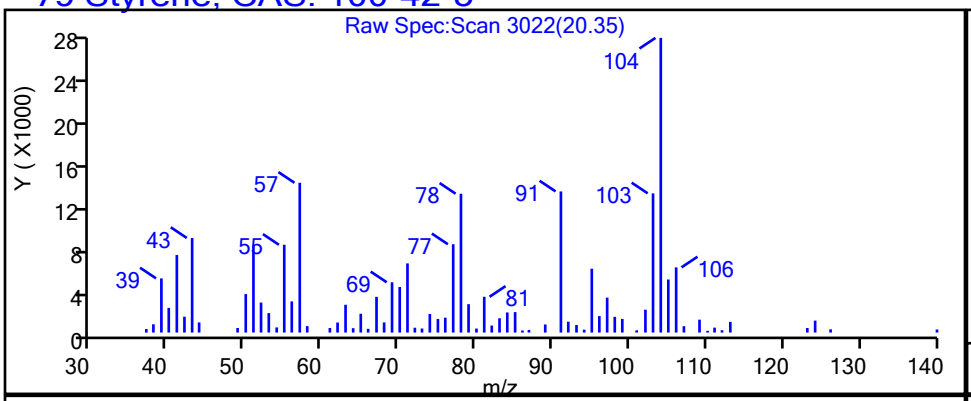
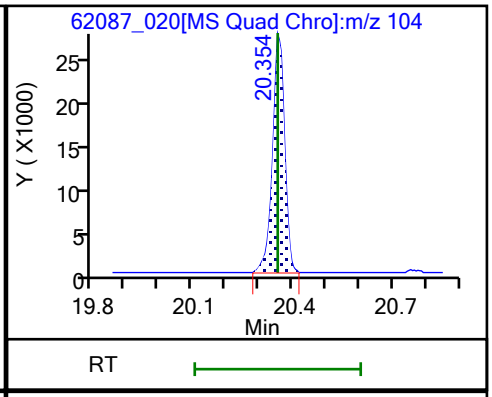
Eurofins Burlington

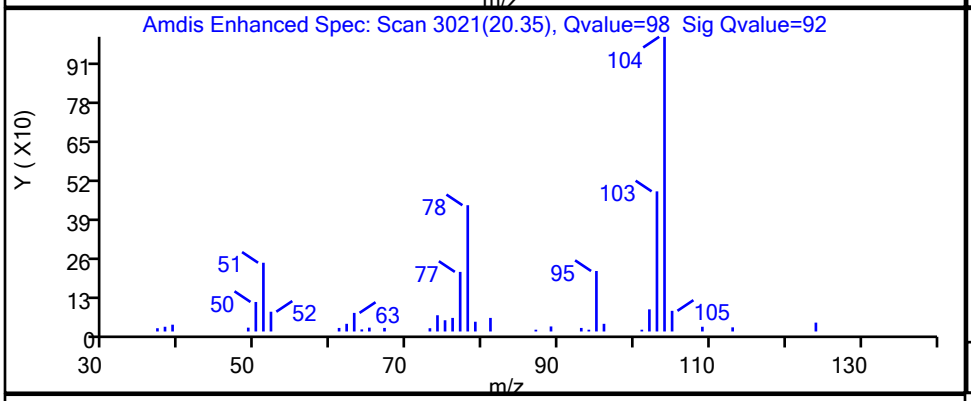
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D

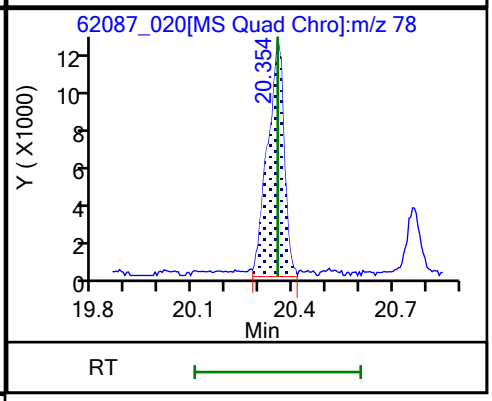
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

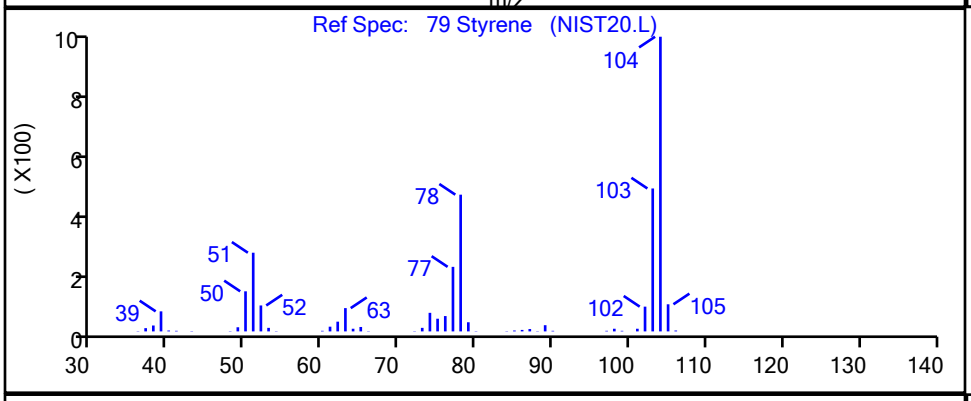
79 Styrene, CAS: 100-42-5

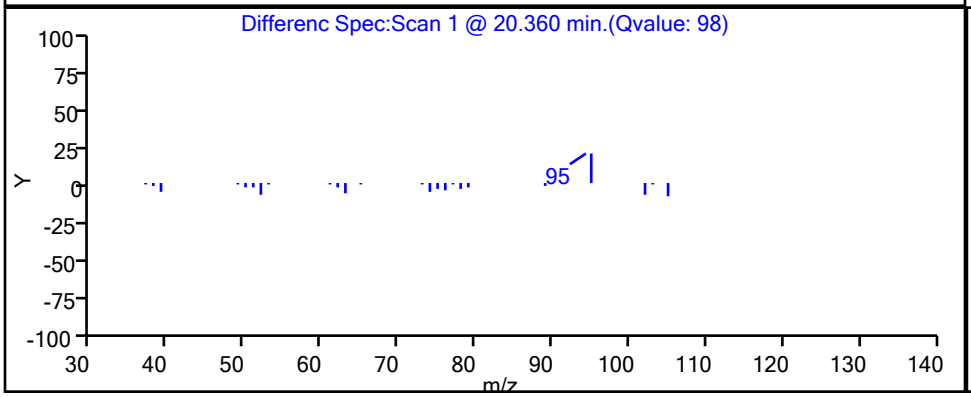


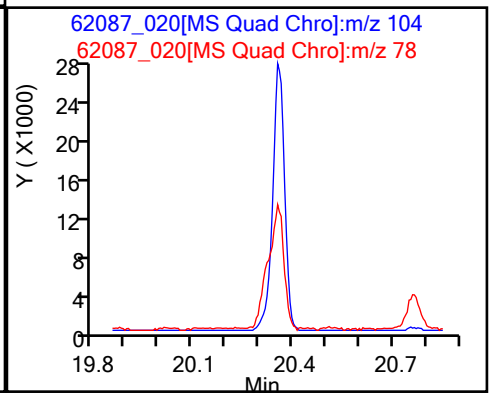












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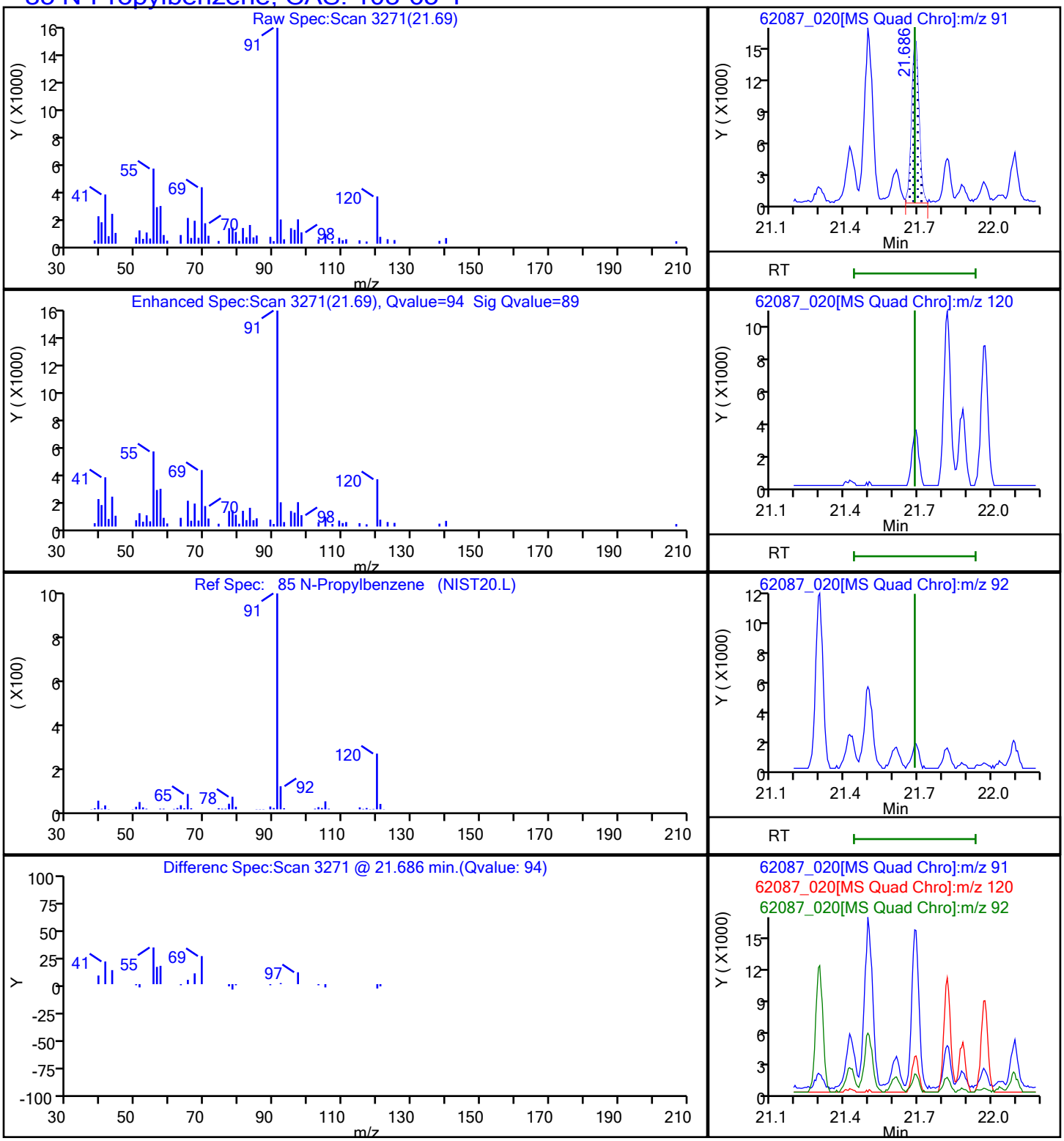
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

85 N-Propylbenzene, CAS: 103-65-1



Report Date: 18-Sep-2024 11:45:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

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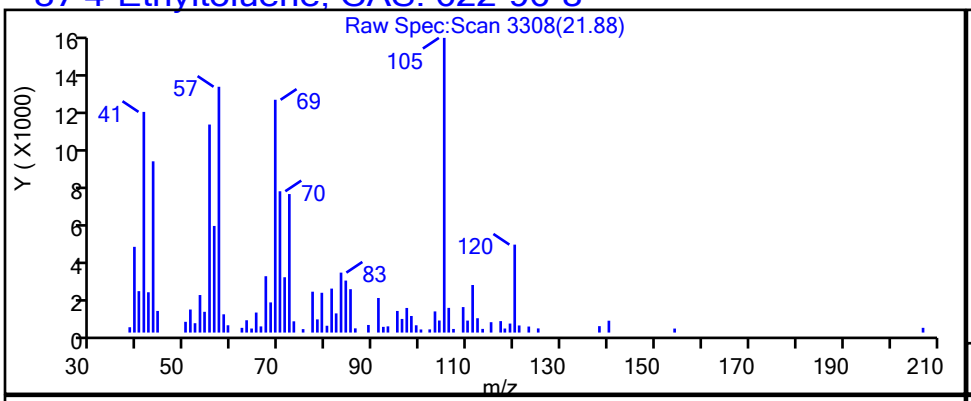
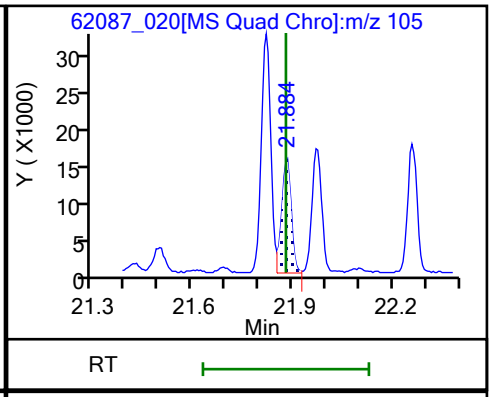
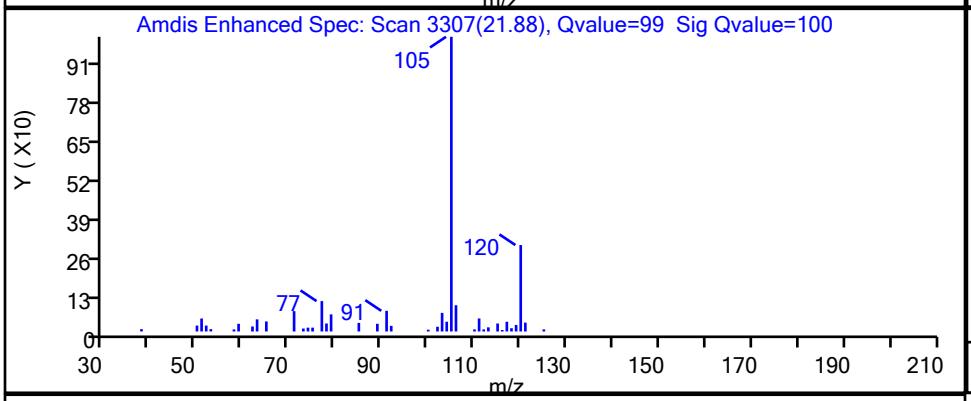
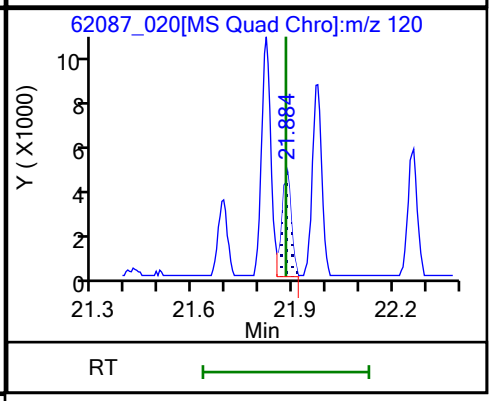
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

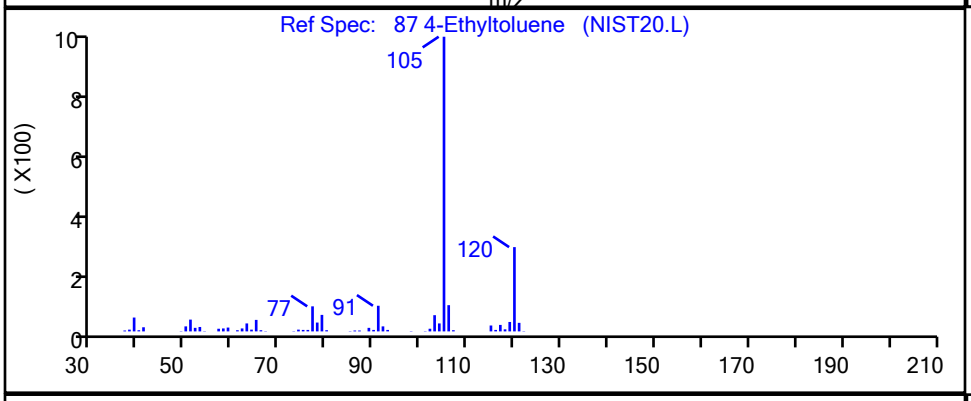
87 4-Ethyltoluene, CAS: 622-96-8

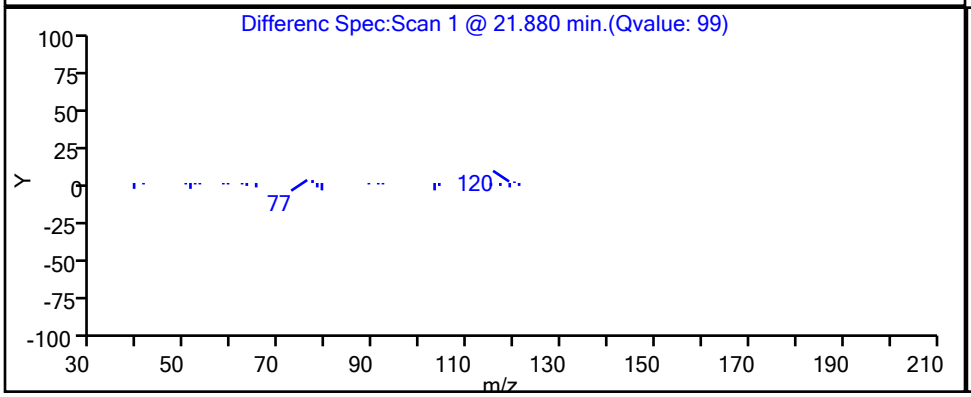


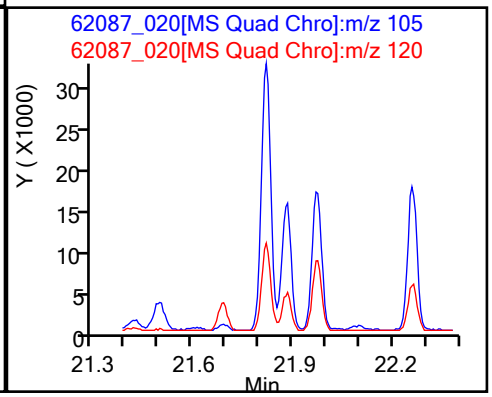










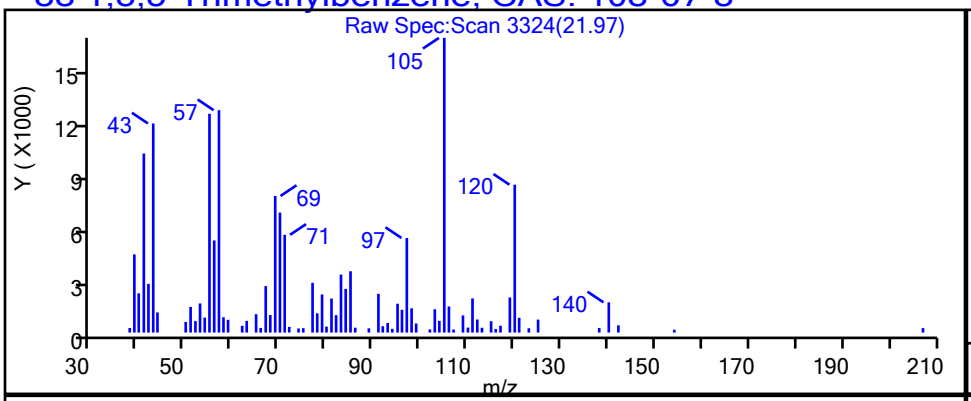


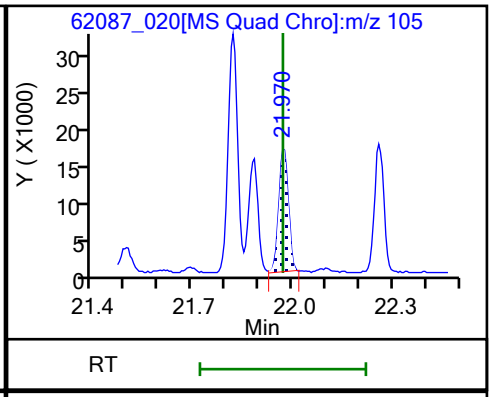
Report Date: 18-Sep-2024 11:45:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

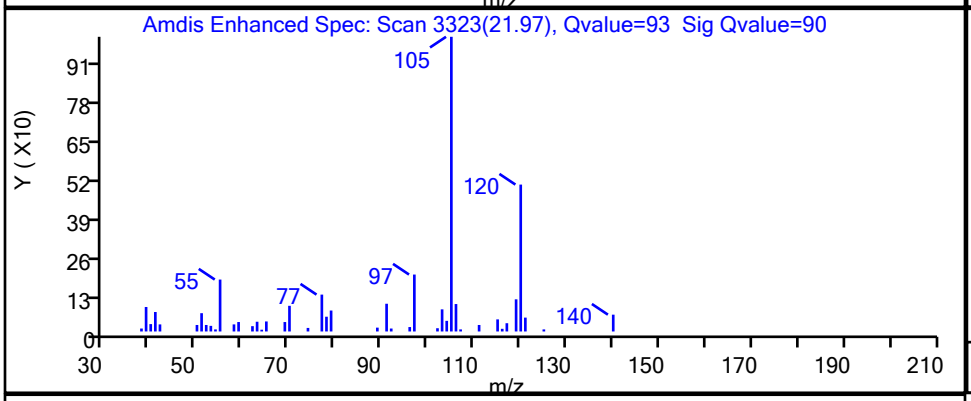
Eurofins Burlington

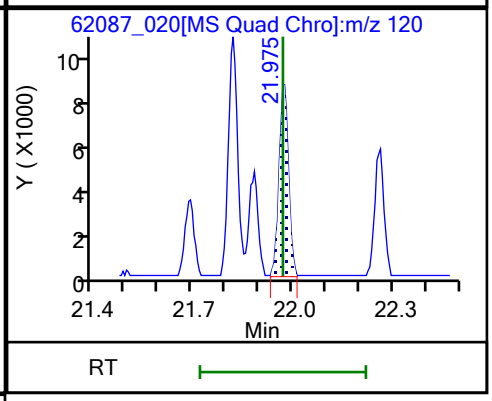
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

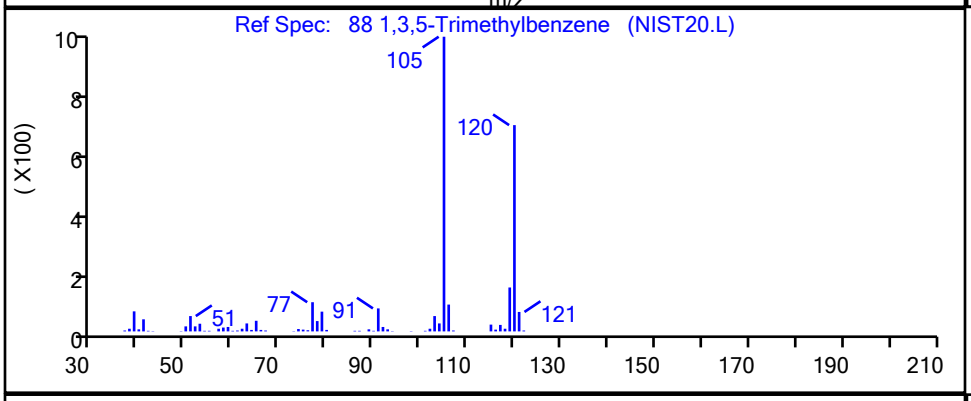
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

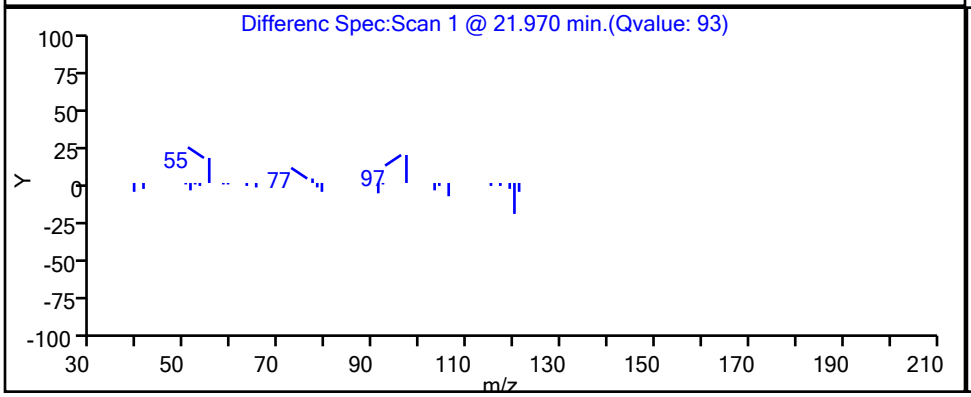


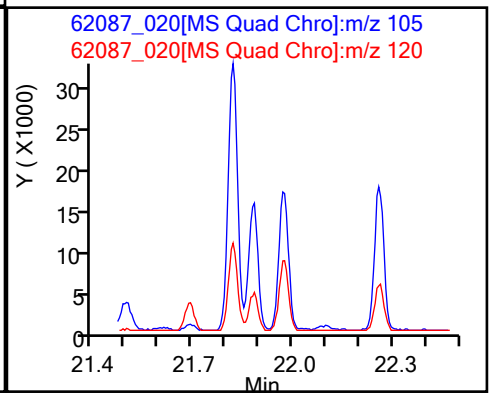












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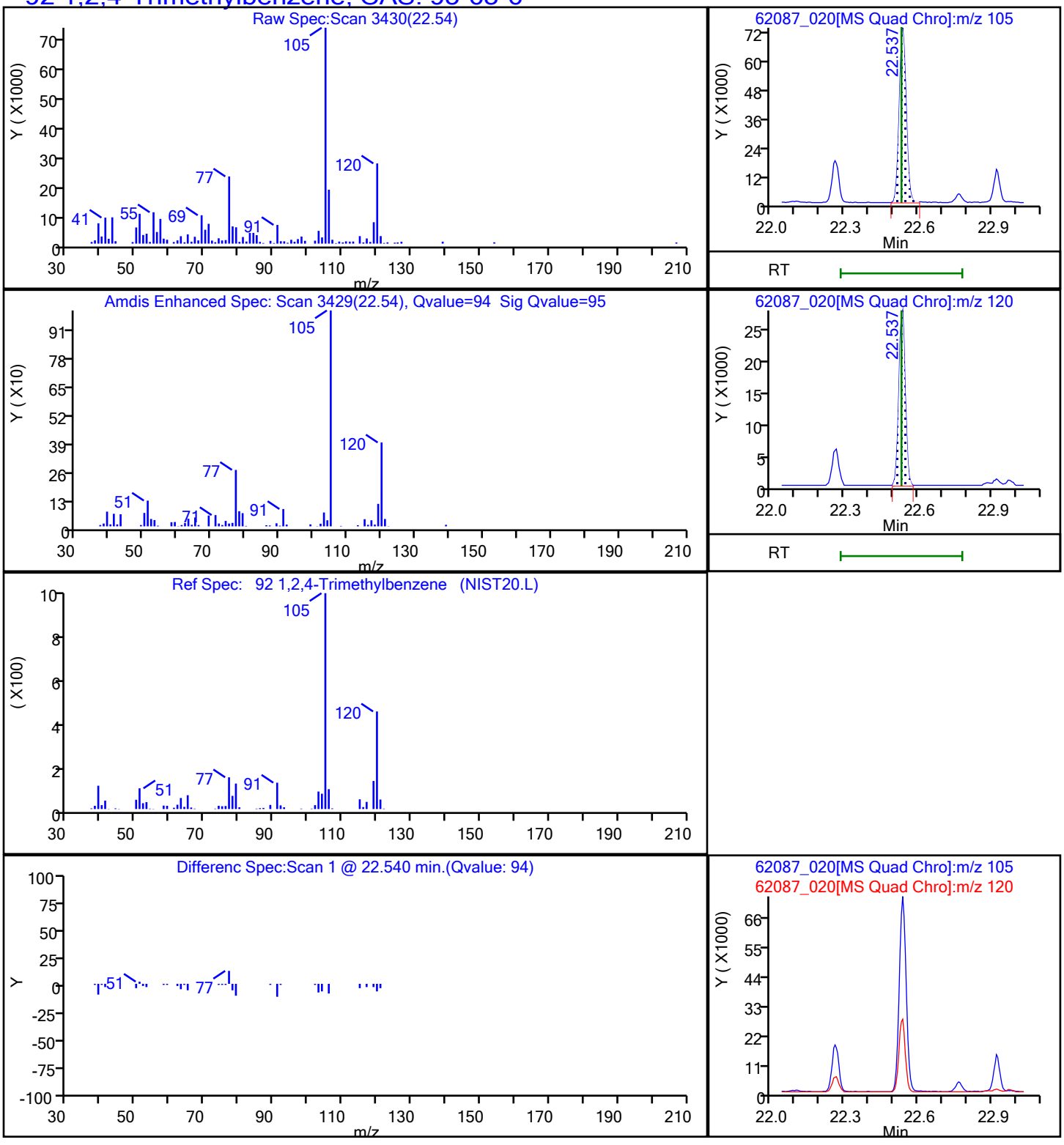
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

92 1,2,4-Trimethylbenzene, CAS: 95-63-6



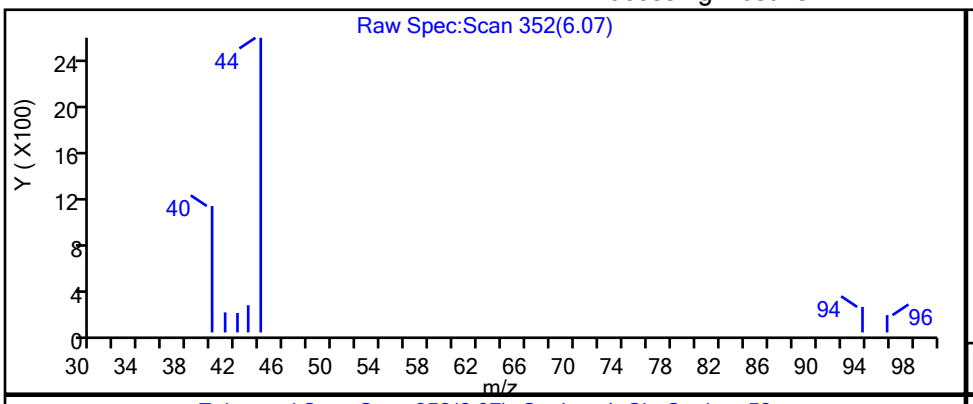
User Disabled Compound Report

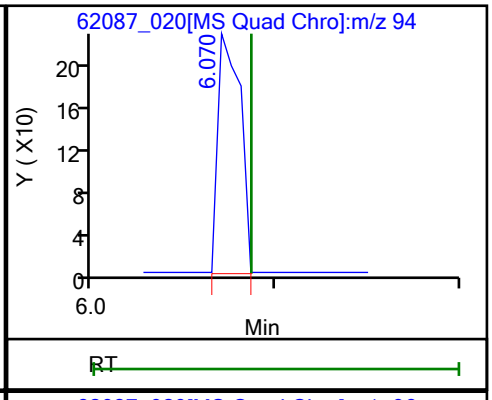
Eurofins Burlington

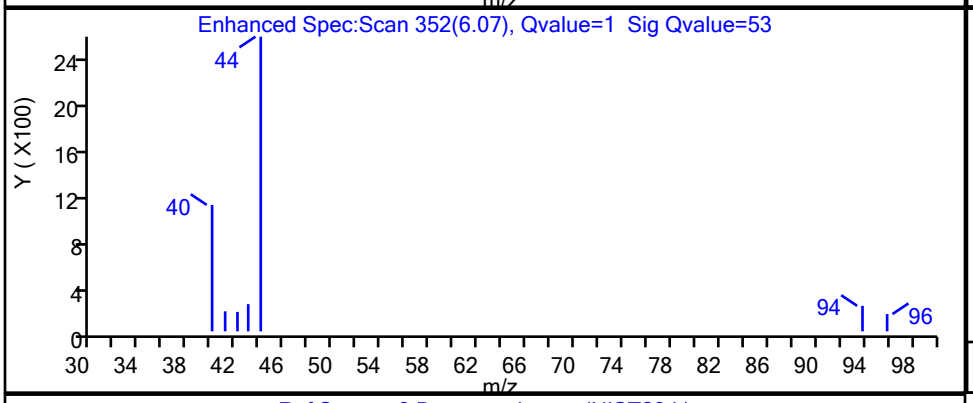
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

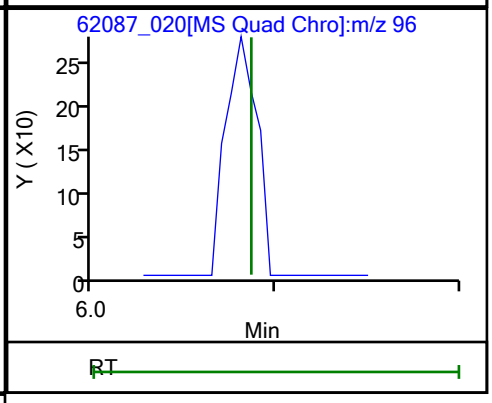
9 Bromomethane, CAS: 74-83-9

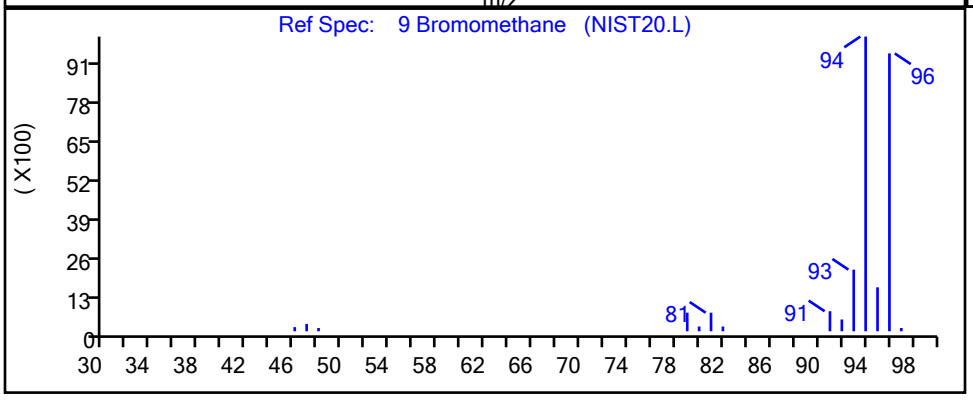
Processing Results











RT	Mass	Response	Amount
6.07	94.00	190	0.003810
6.09	96.00	0	

Reviewer: F7XK, 18-Sep-2024 11:36:01 07:00:00 (UTC)

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

Eurofins Burlington

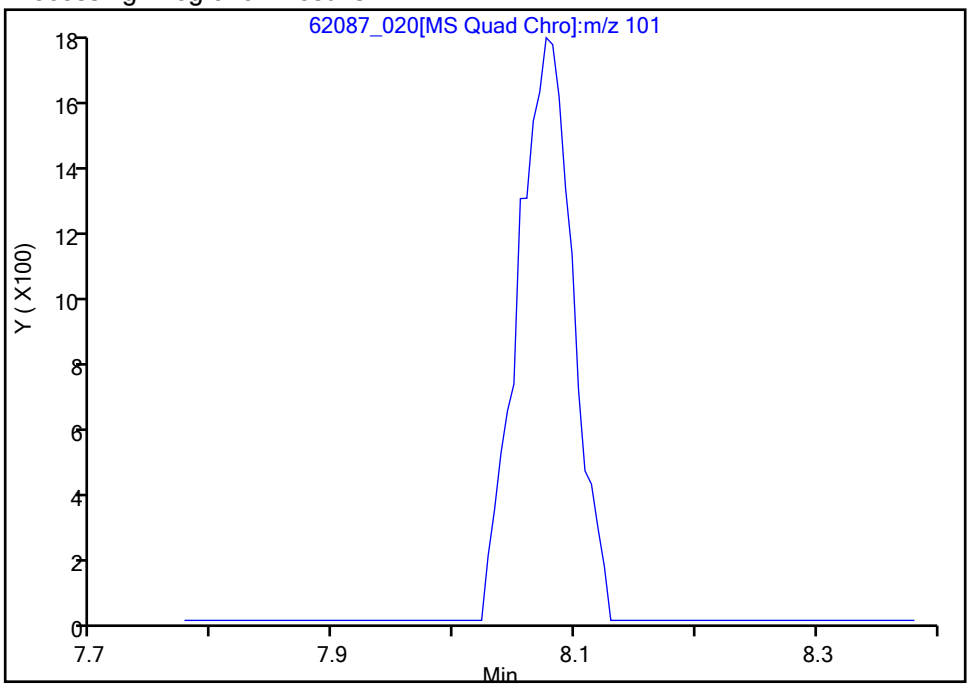
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

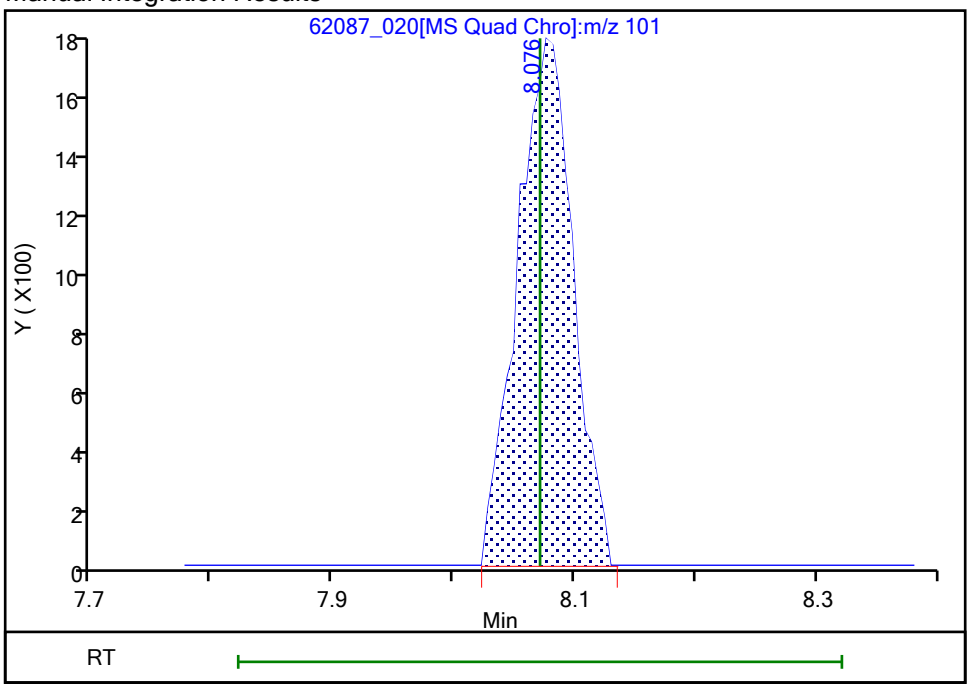
Not Detected
Expected RT: 8.07

Processing Integration Results



Manual Integration Results

RT: 8.08
Area: 5454
Amount: 0.046852
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:36:18 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

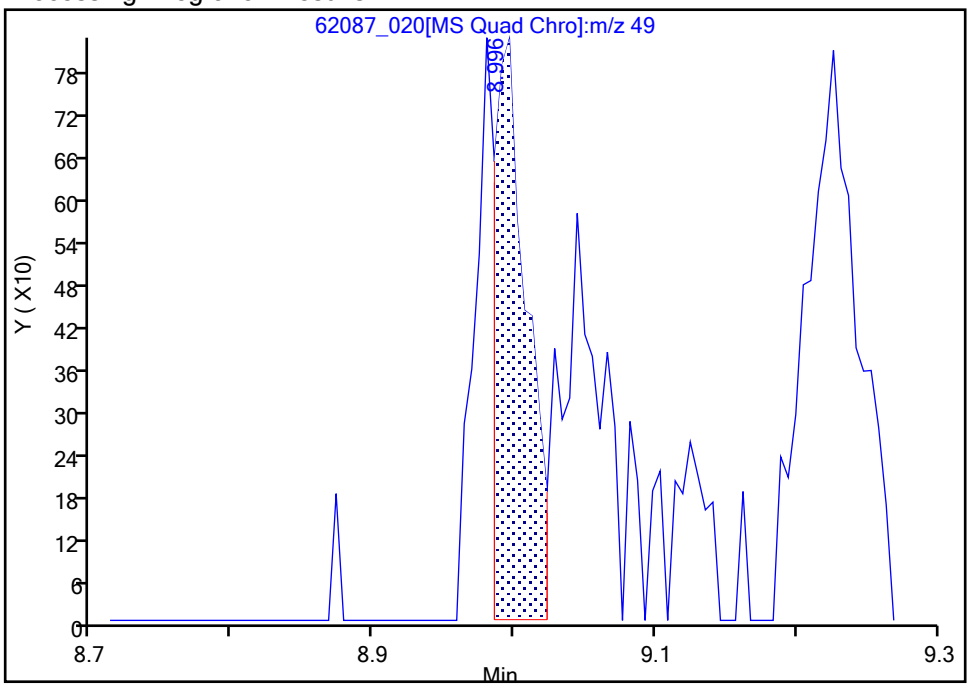
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

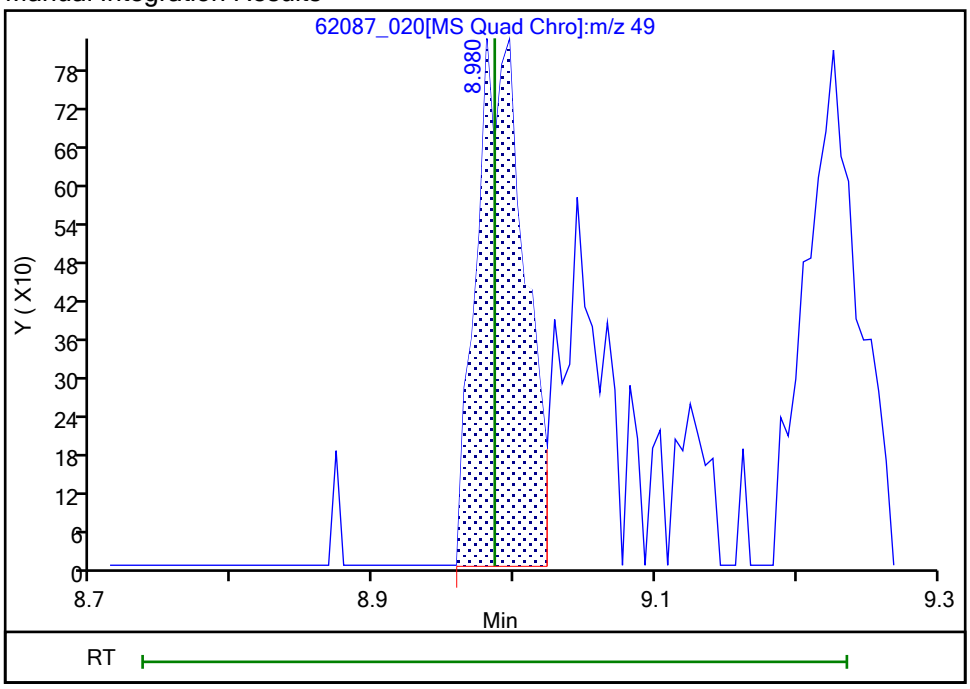
Processing Integration Results

RT: 9.00
Area: 1337
Amount: 0.023044
Amount Units: ppb v/v



Manual Integration Results

RT: 8.98
Area: 1970
Amount: 0.033953
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:37:00 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

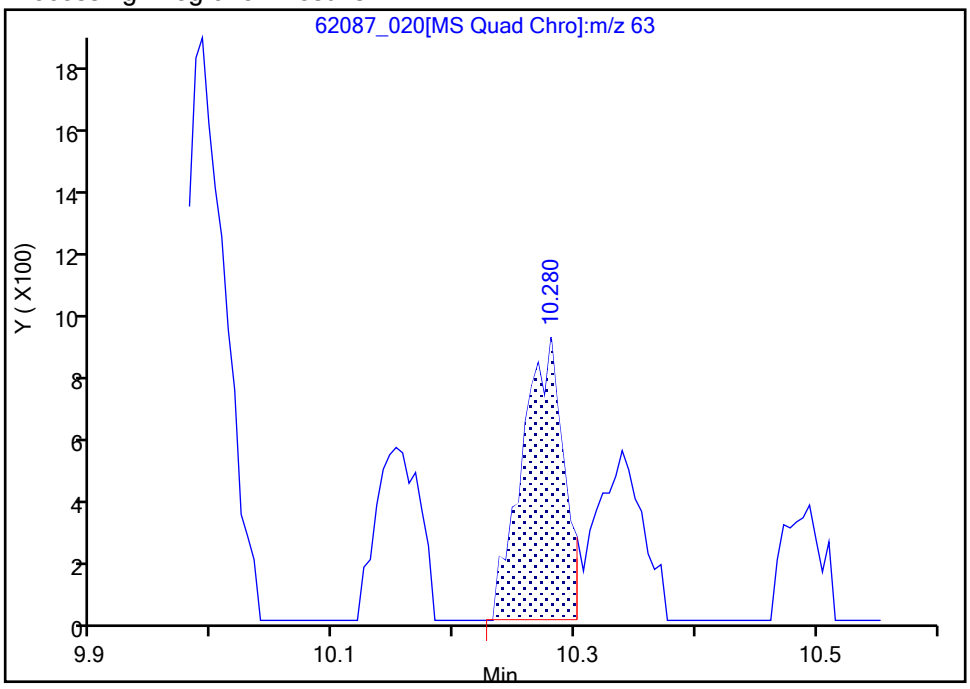
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

33 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

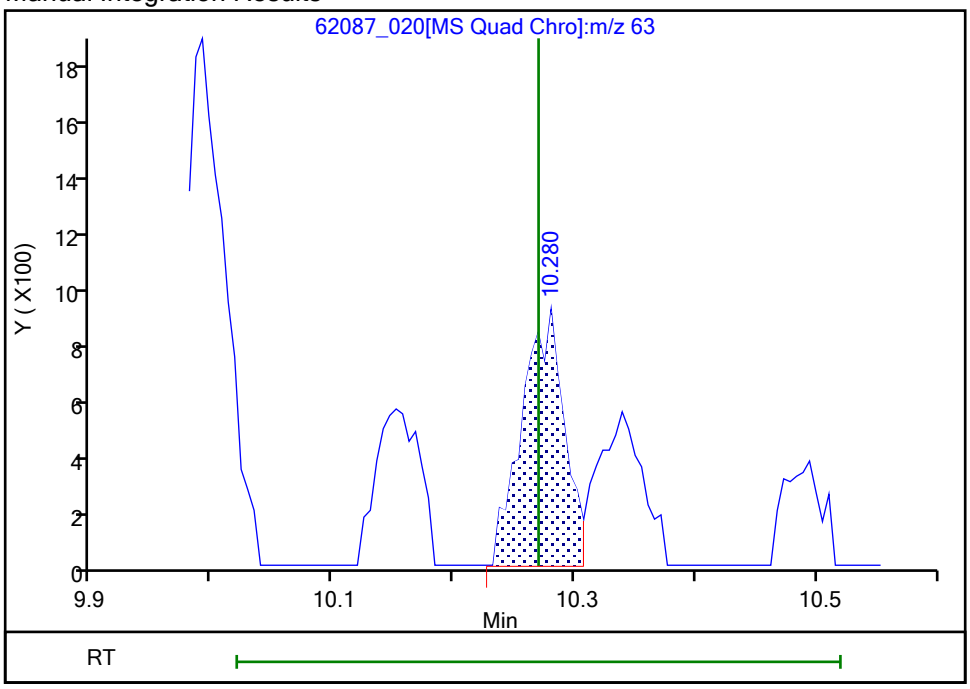
Processing Integration Results

RT: 10.28
Area: 2132
Amount: 0.021398
Amount Units: ppb v/v



Manual Integration Results

RT: 10.28
Area: 2182
Amount: 0.021900
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:37:54 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

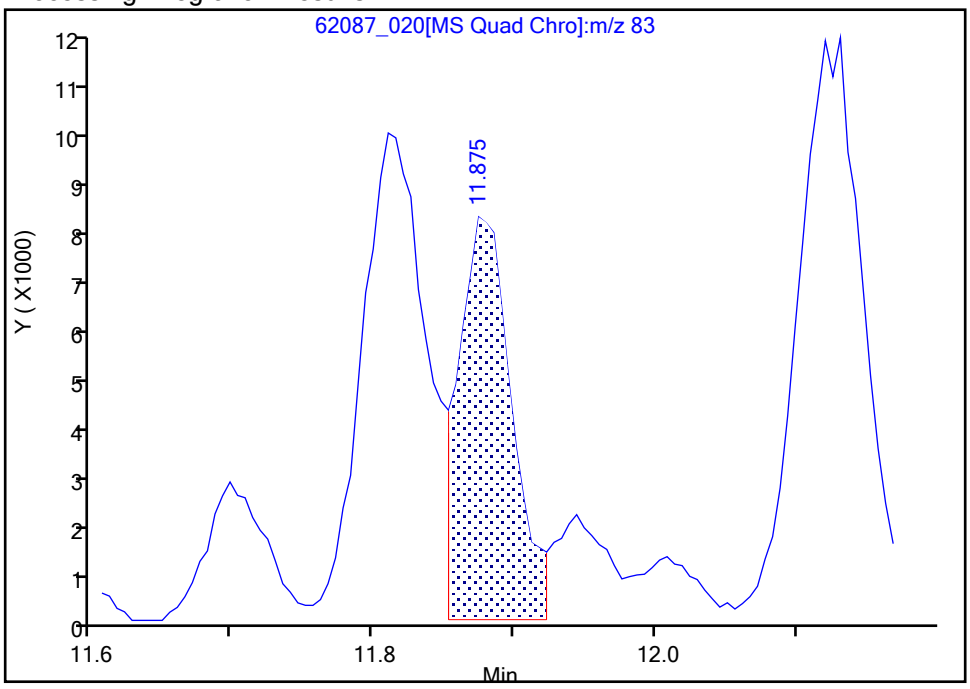
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

41 Chloroform, CAS: 67-66-3

Signal: 1

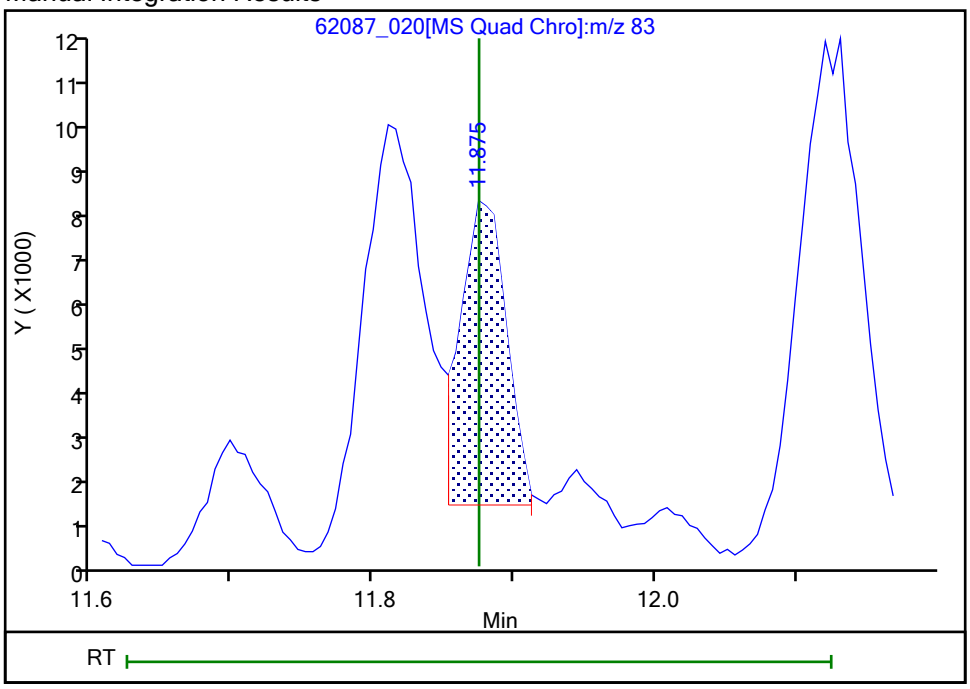
Processing Integration Results

RT: 11.87
Area: 21577
Amount: 0.184711
Amount Units: ppb v/v



Manual Integration Results

RT: 11.87
Area: 15560
Amount: 0.133202
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:38:45 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

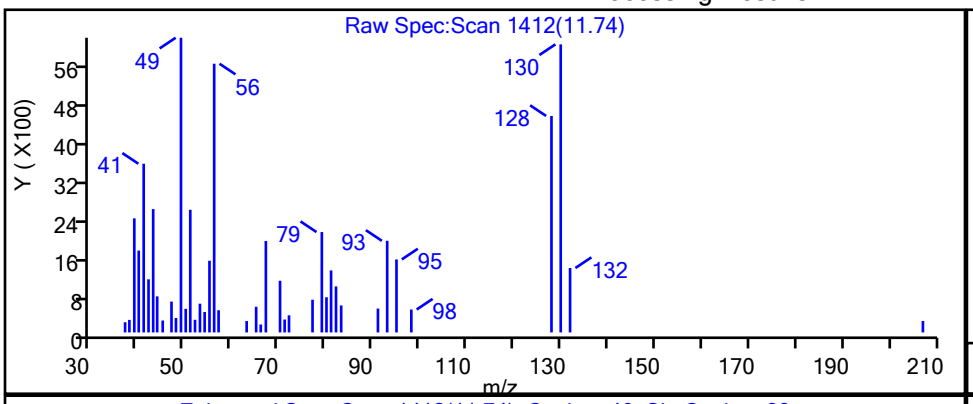
User Disabled Compound Report

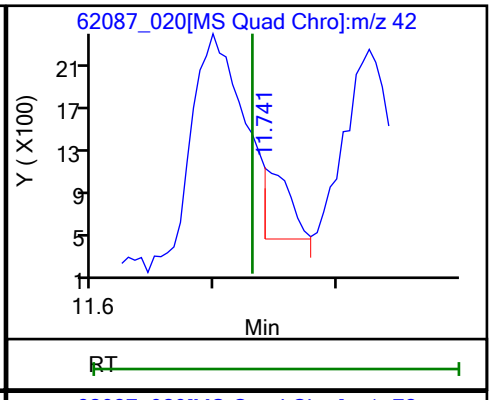
Eurofins Burlington

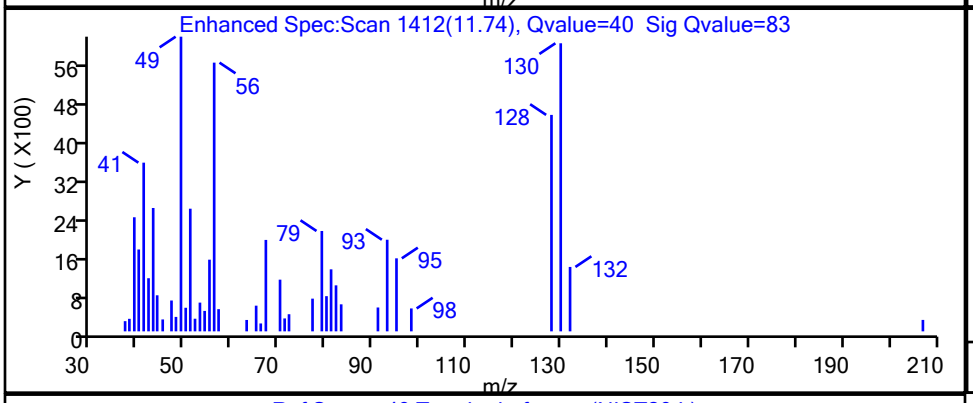
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

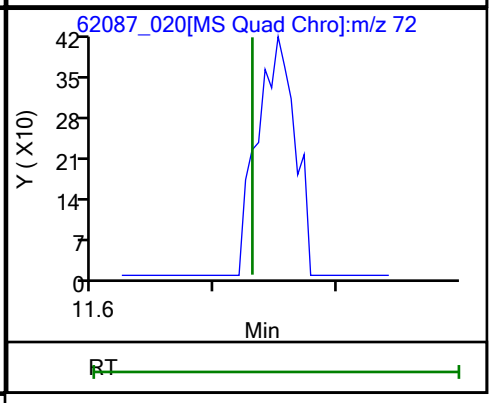
40 Tetrahydrofuran, CAS: 109-99-9

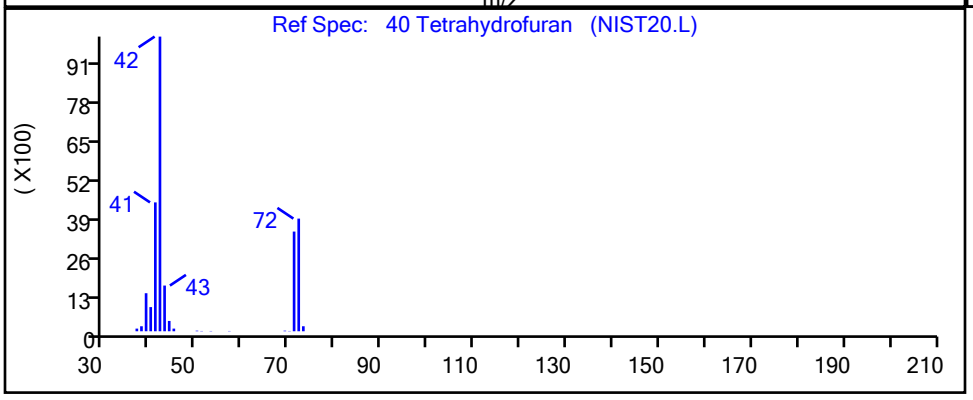
Processing Results











RT	Mass	Response	Amount
11.74	42.00	938	0.017146
11.73	72.00	0	

Reviewer: F7XK, 18-Sep-2024 11:38:28 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

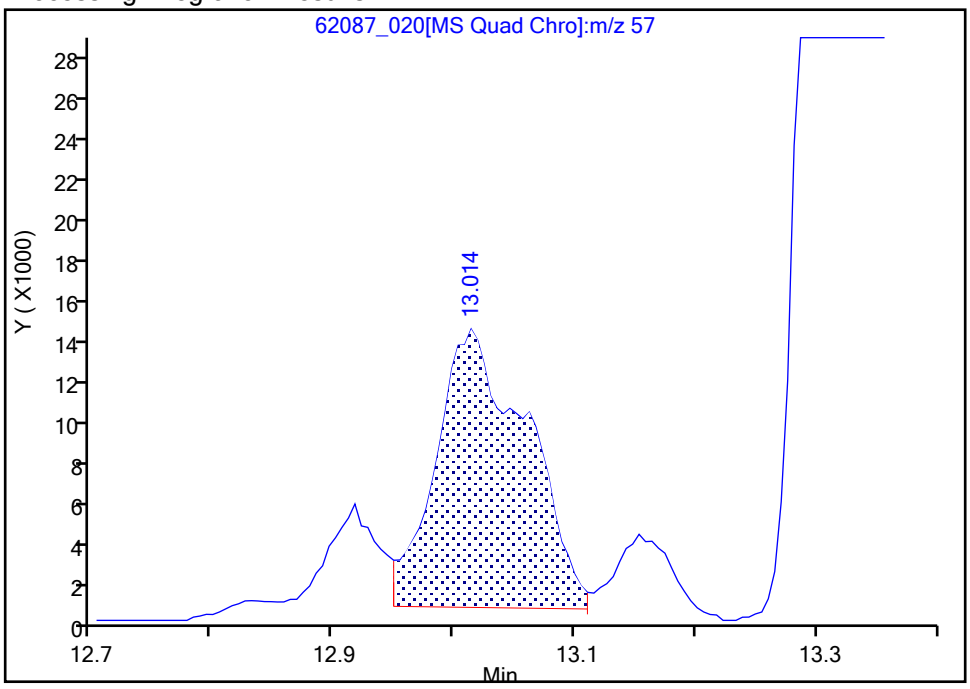
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1

Signal: 1

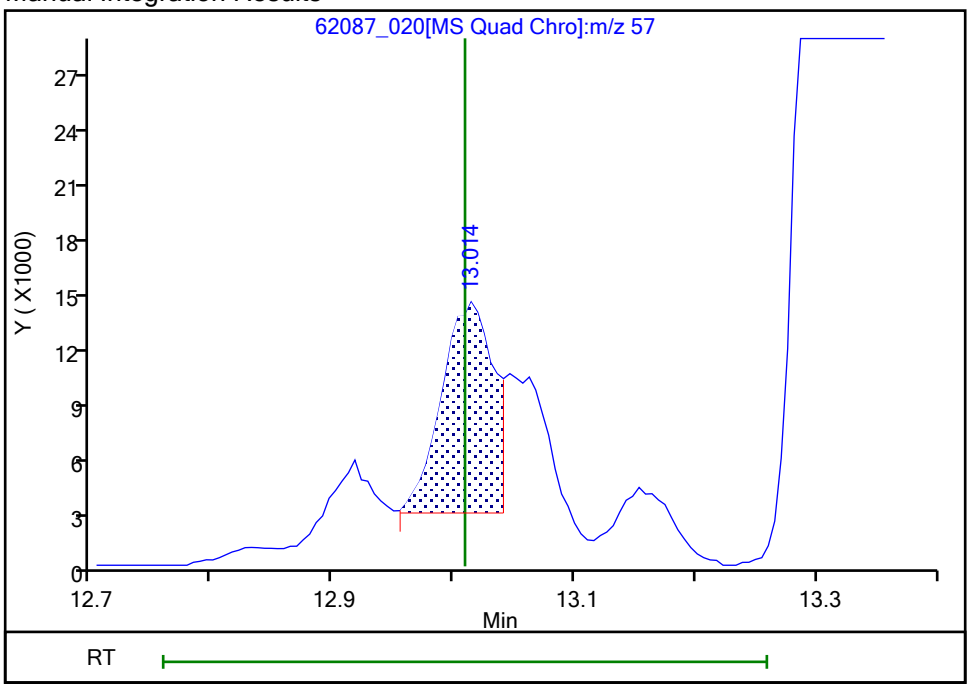
Processing Integration Results

RT: 13.01
Area: 71920
Amount: 0.273381
Amount Units: ppb v/v



Manual Integration Results

RT: 13.01
Area: 34690
Amount: 0.131863
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:40:06 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

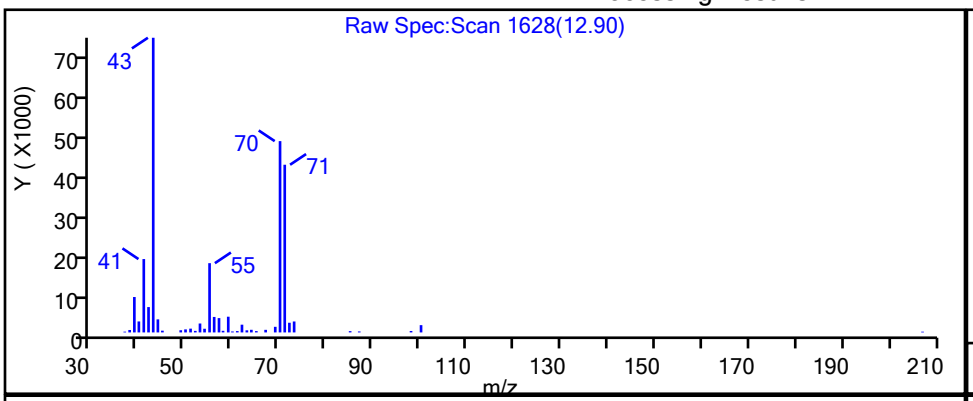
User Disabled Compound Report

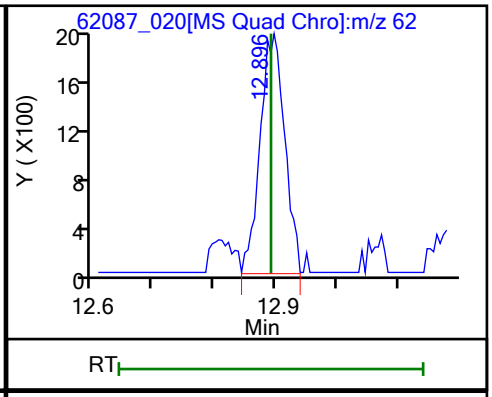
Eurofins Burlington

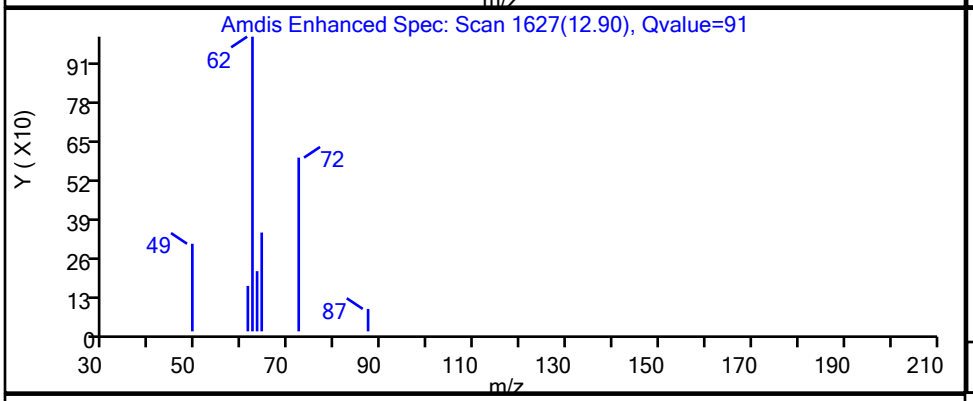
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

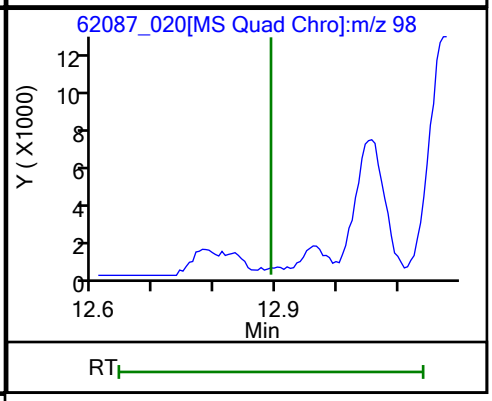
46 1,2-Dichloroethane, CAS: 107-06-2

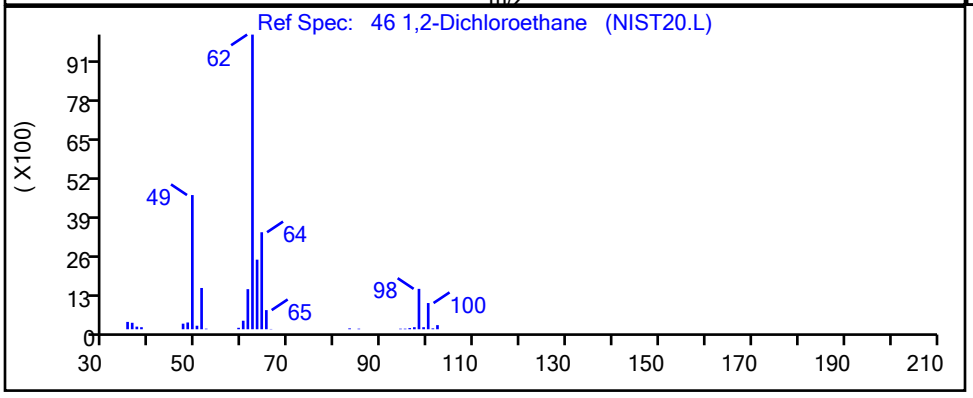
Processing Results











RT	Mass	Response	Amount
12.90	62.00	5479	0.073126
12.89	98.00	0	

Reviewer: F7XK, 18-Sep-2024 11:39:37 07:00:00 (UTC)

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

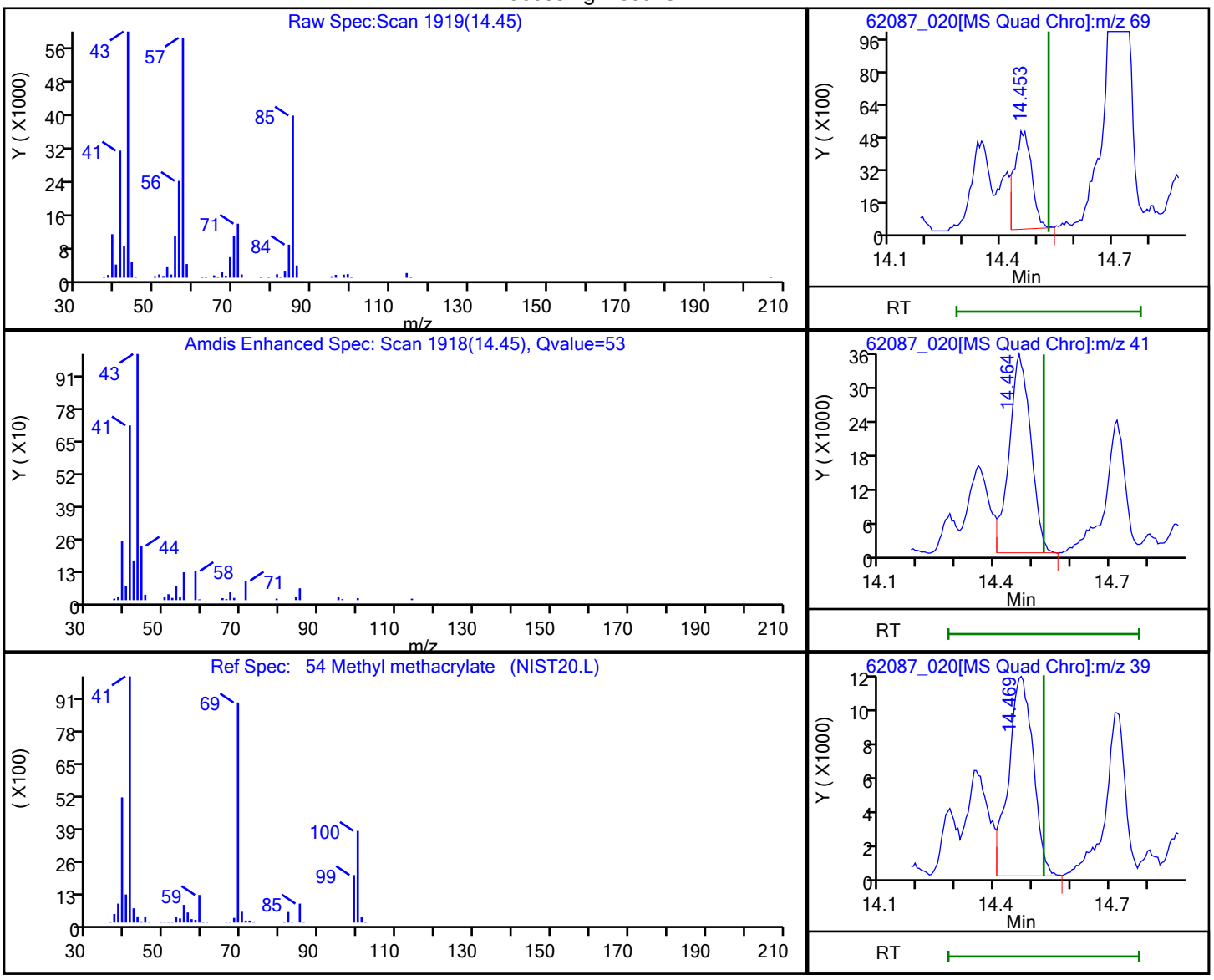
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.45	69.00	15521	0.263456
14.46	41.00	137736	
14.47	39.00	51846	

Reviewer: F7XK, 18-Sep-2024 11:40:30 07:00:00 (UTC)

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

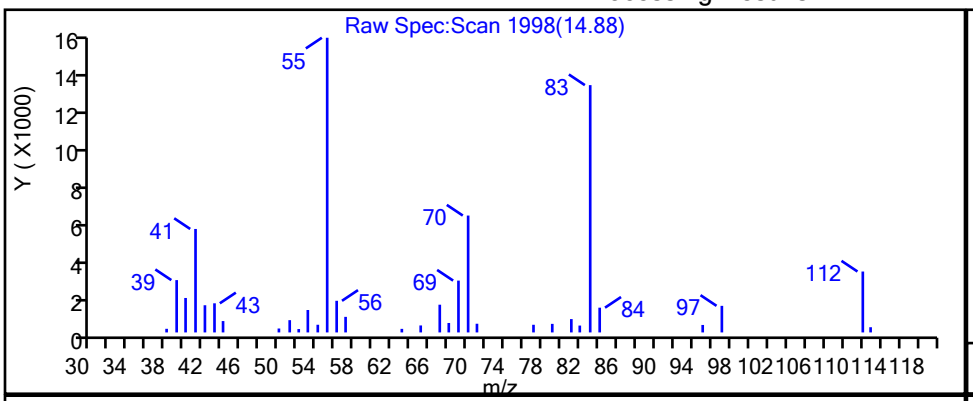
User Disabled Compound Report

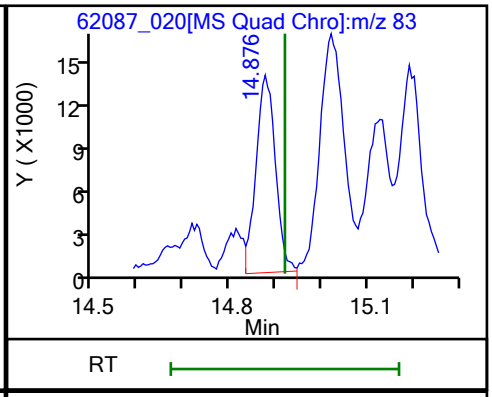
Eurofins Burlington

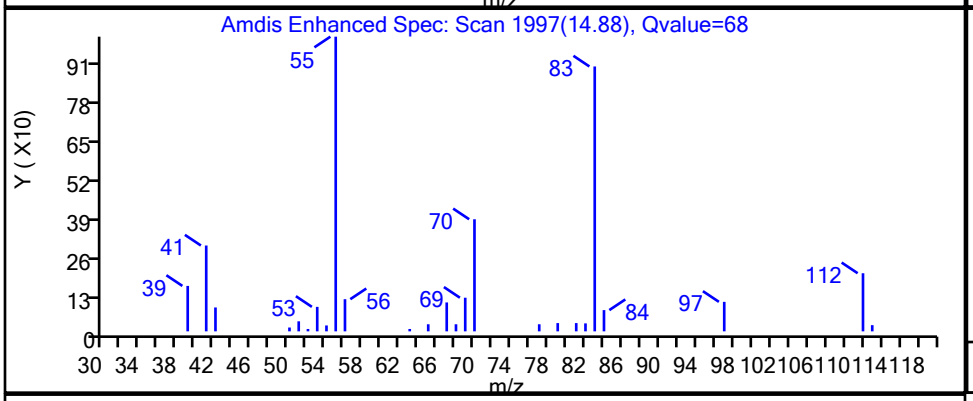
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

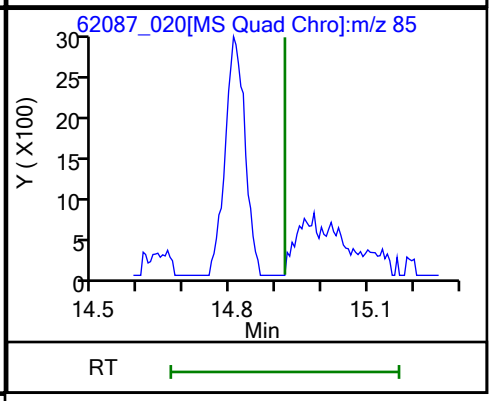
58 Dichlorobromomethane, CAS: 75-27-4

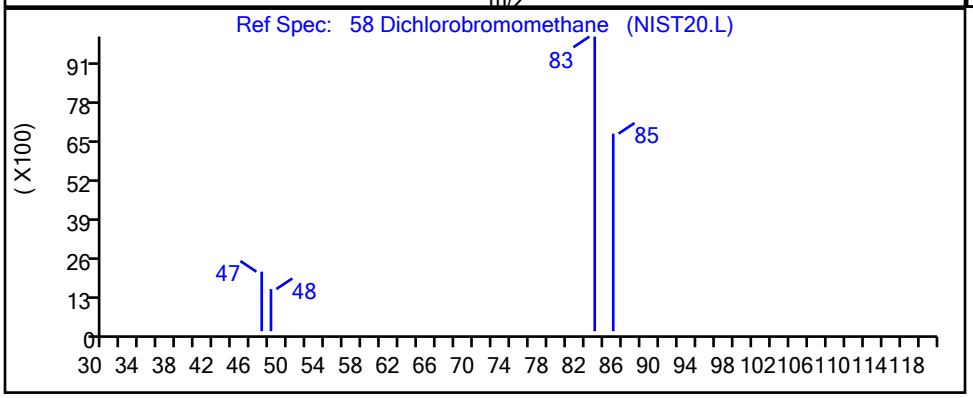
Processing Results











RT	Mass	Response	Amount
14.88	83.00	38315	0.305199
14.92	85.00	0	

Reviewer: F7XK, 18-Sep-2024 11:41:04 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

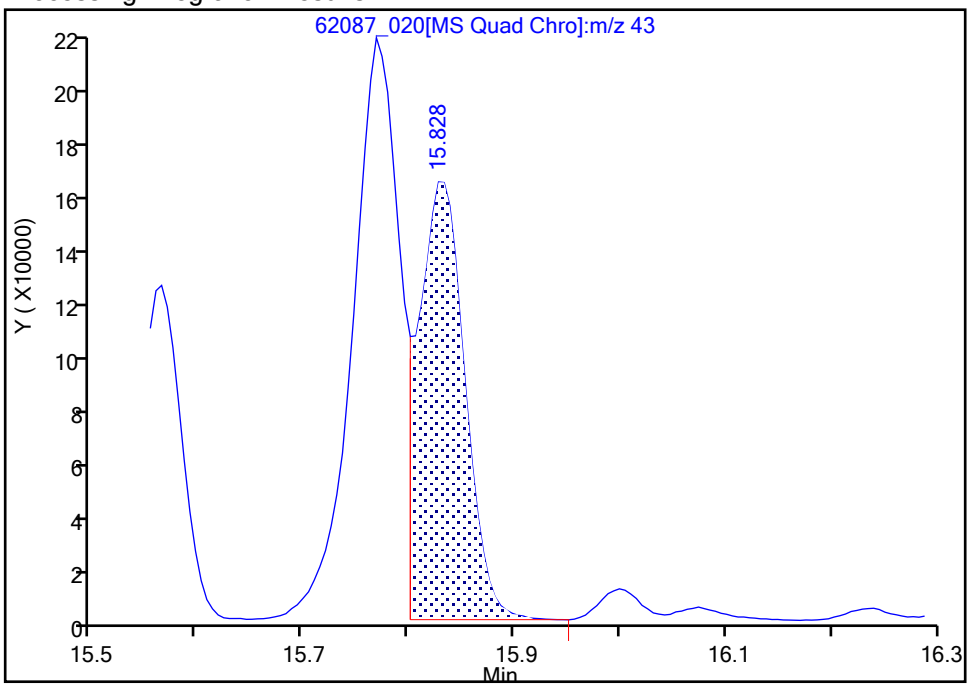
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

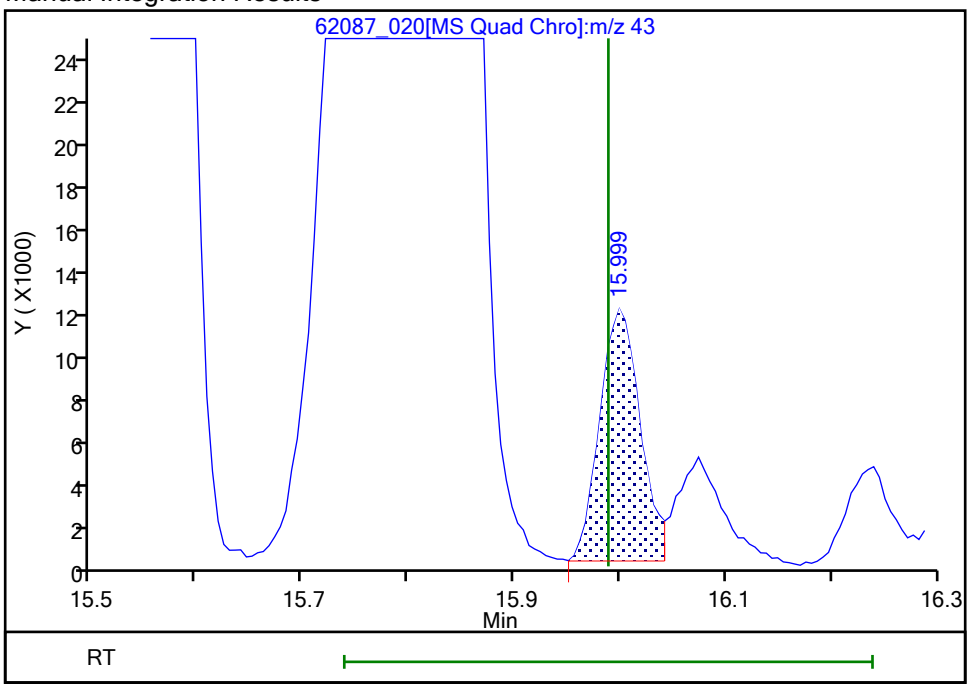
Processing Integration Results

RT: 15.83
Area: 503717
Amount: 4.334122
Amount Units: ppb v/v



Manual Integration Results

RT: 16.00
Area: 30704
Amount: 0.264186
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:41:13 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

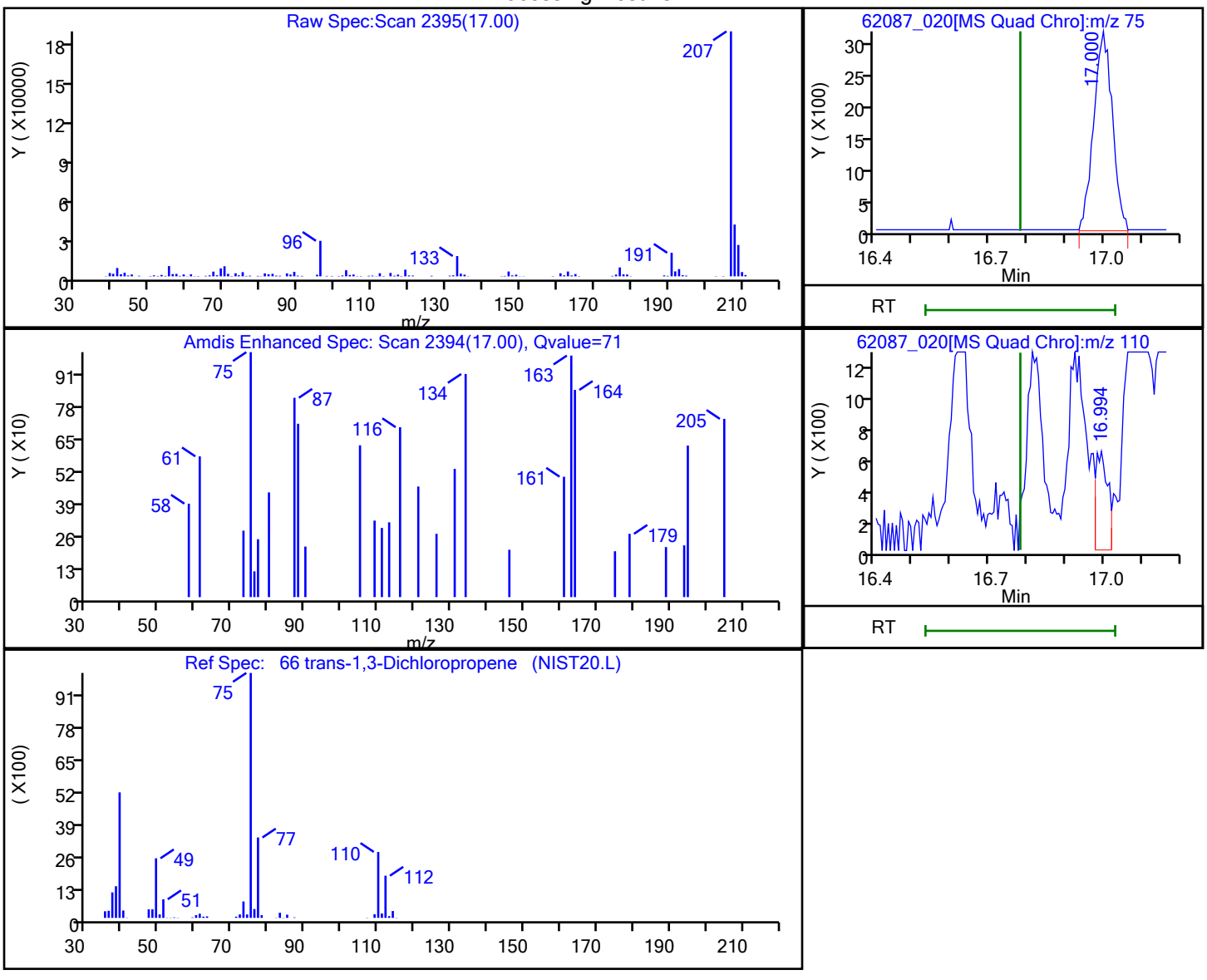
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
17.00	75.00	10838	0.127375
16.99	110.00	1381	

Reviewer: F7XK, 18-Sep-2024 11:41:45 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

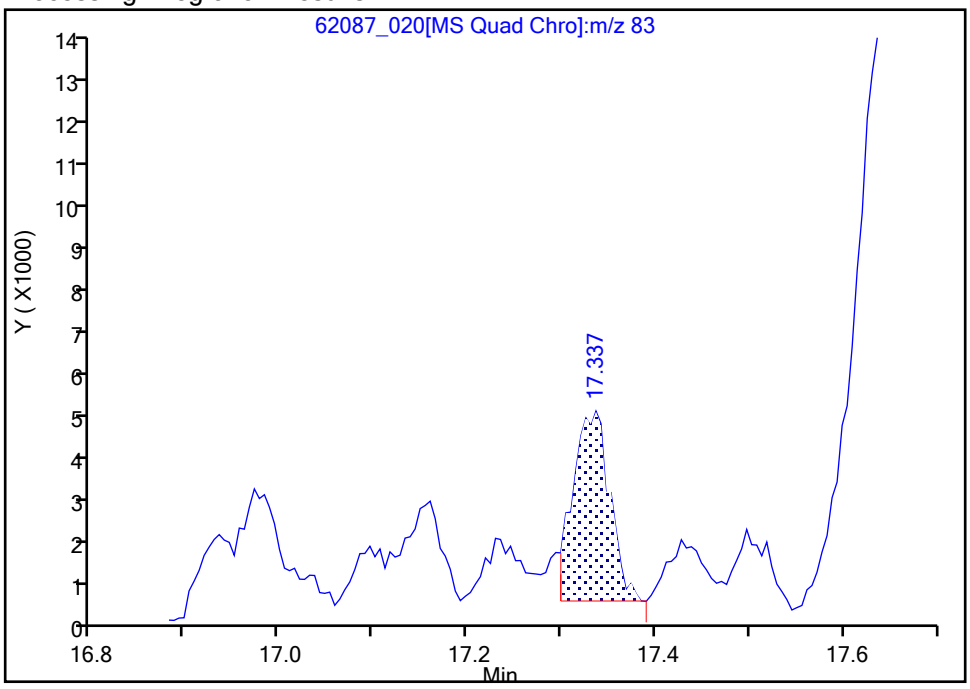
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

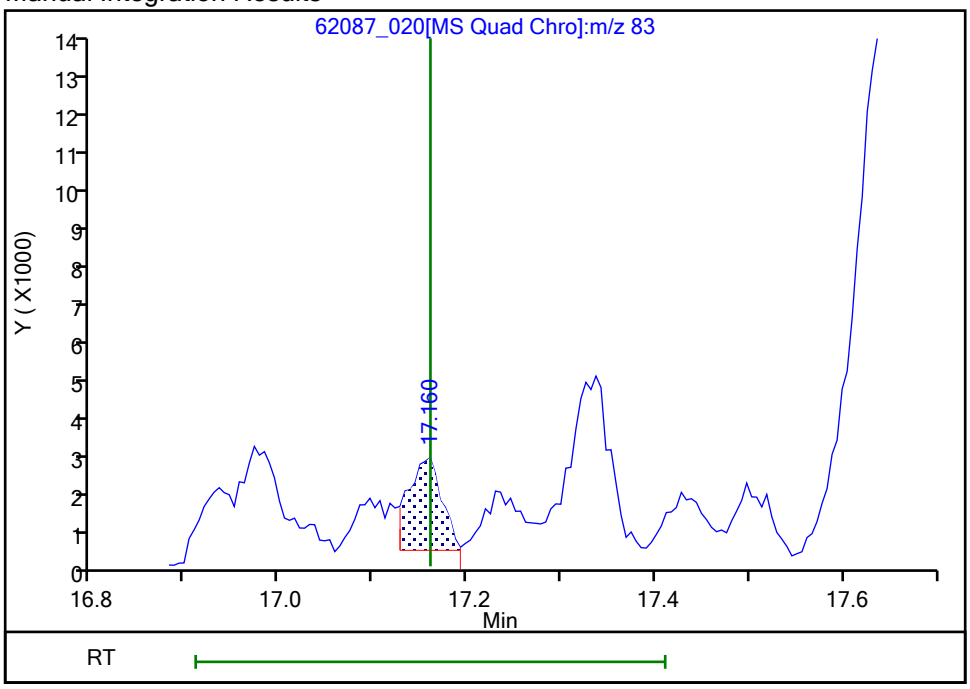
Processing Integration Results

RT: 17.34
Area: 11221
Amount: 0.181849
Amount Units: ppb v/v



Manual Integration Results

RT: 17.16
Area: 5398
Amount: 0.087481
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:41:57 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

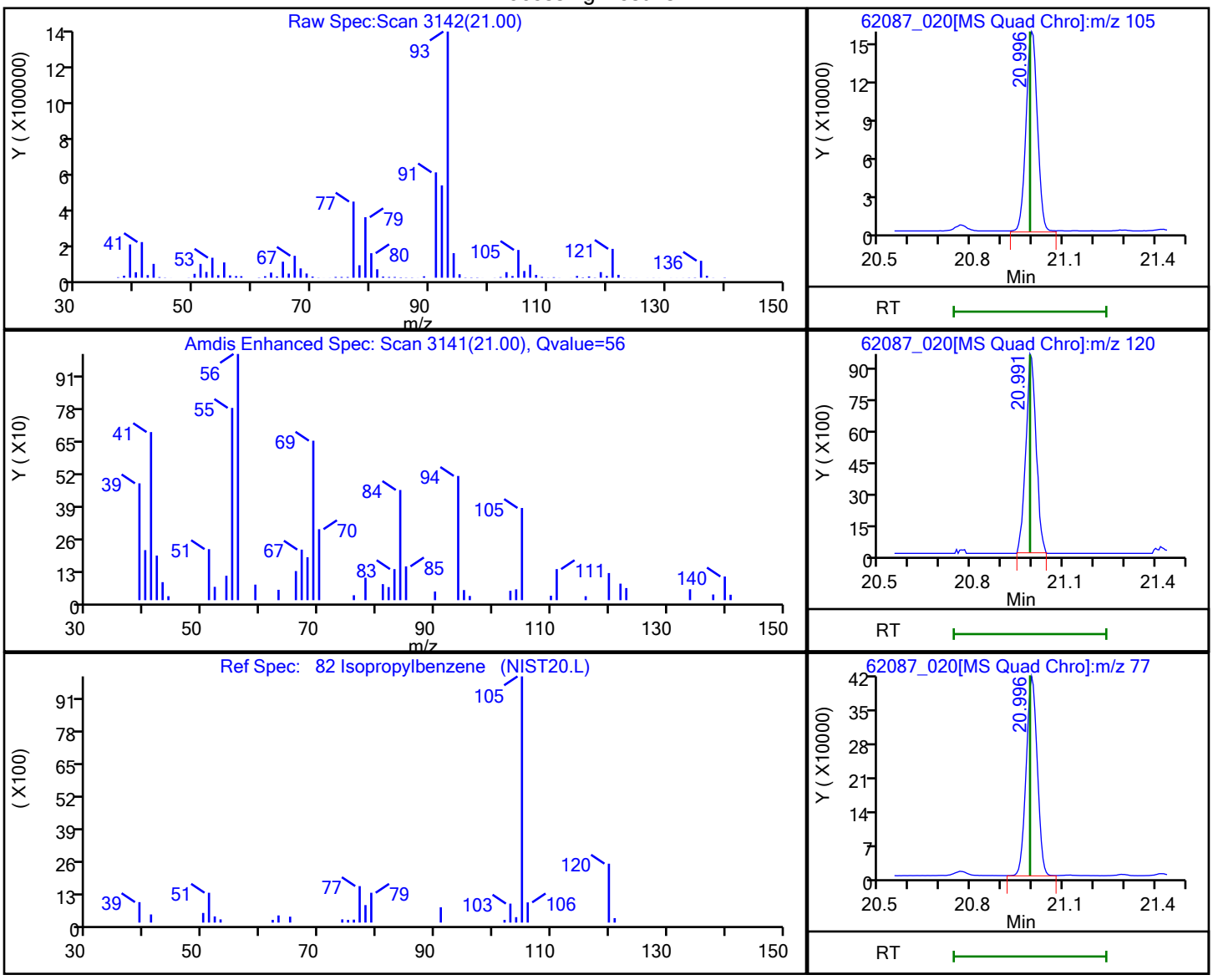
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
21.00	105.00	387037	1.352286
20.99	120.00	22677	
21.00	77.00	1038252	

Reviewer: F7XK, 18-Sep-2024 11:43:08 07:00:00 (UTC)

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

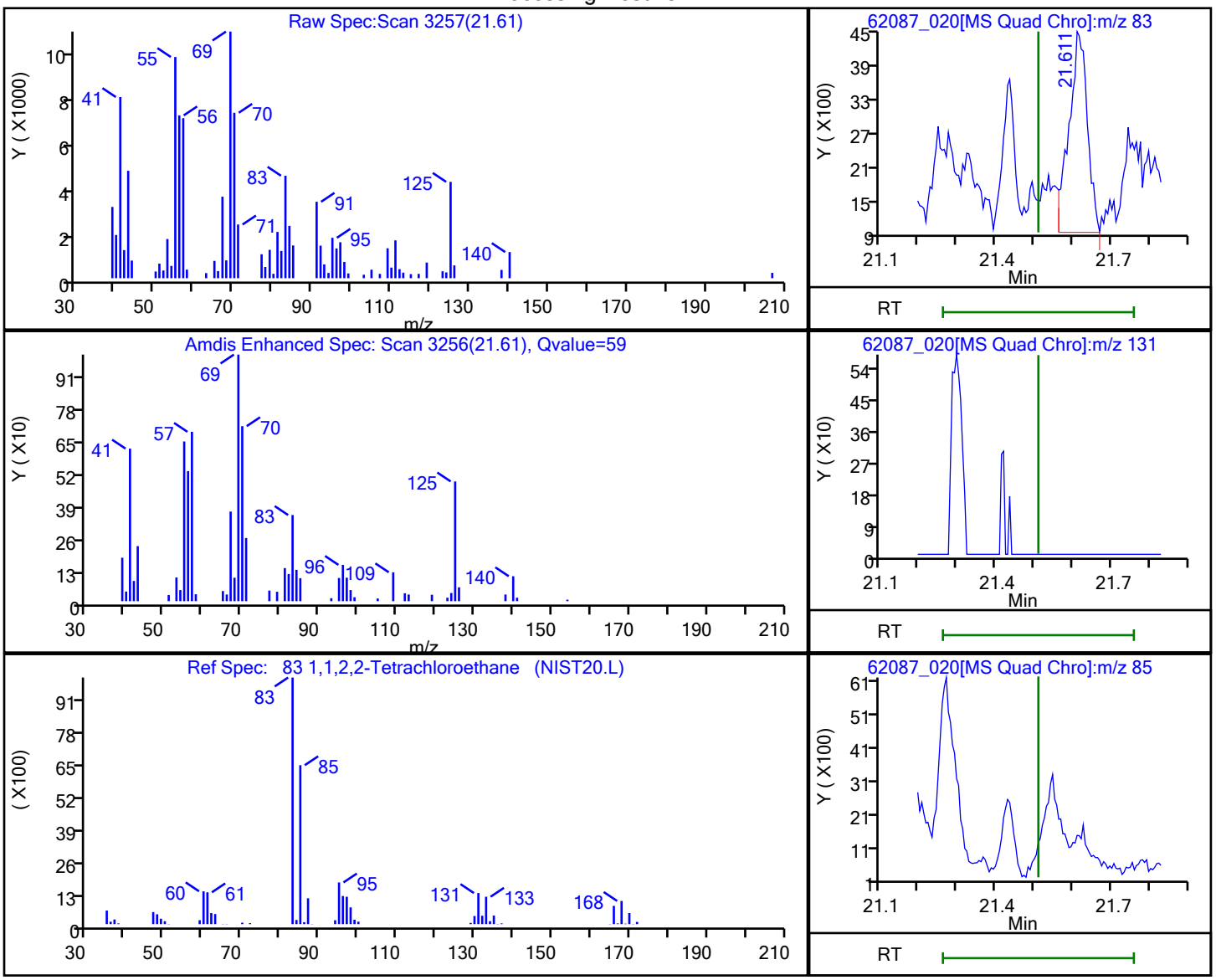
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.61	83.00	11704	0.075341
21.51	131.00	0	
21.51	85.00	0	

Reviewer: F7XK, 18-Sep-2024 11:43:13 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

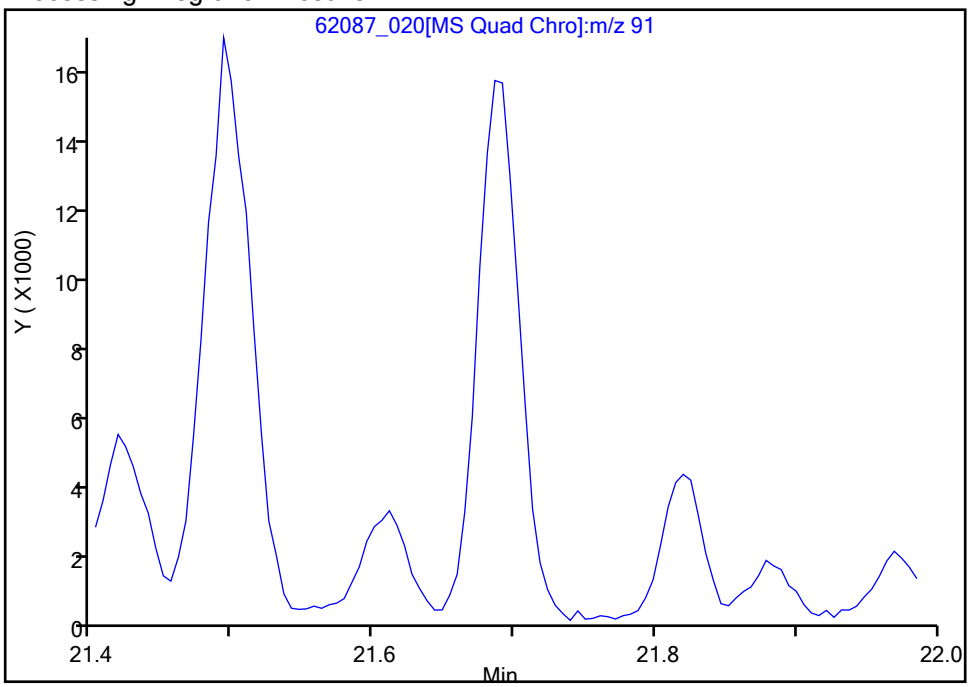
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

85 N-Propylbenzene, CAS: 103-65-1

Signal: 1

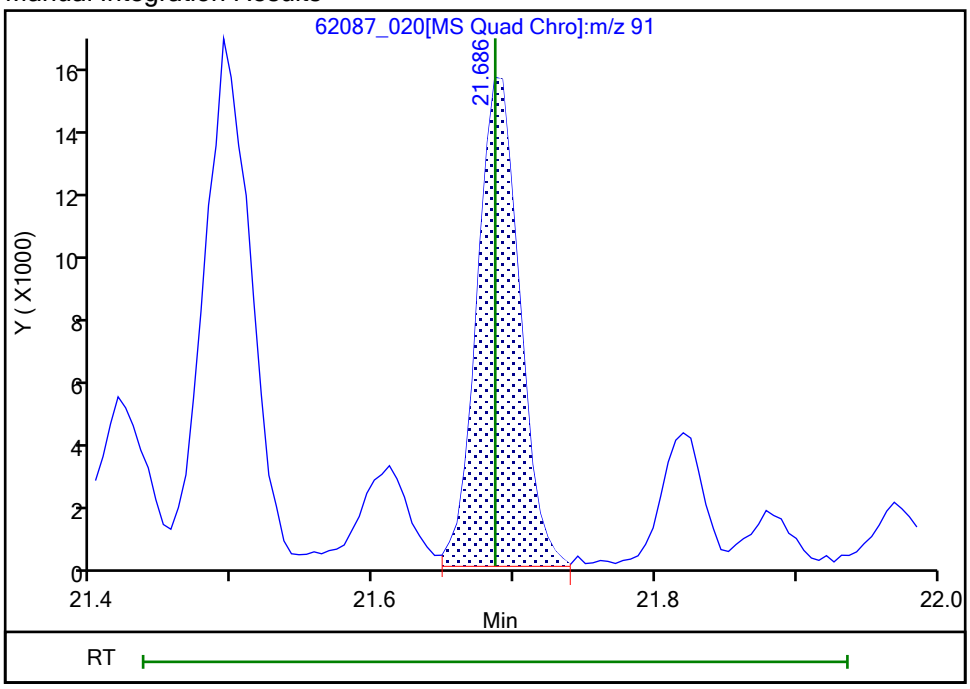
Not Detected
Expected RT: 21.69

Processing Integration Results



Manual Integration Results

RT: 21.69
Area: 31042
Amount: 0.090245
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:43:29 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

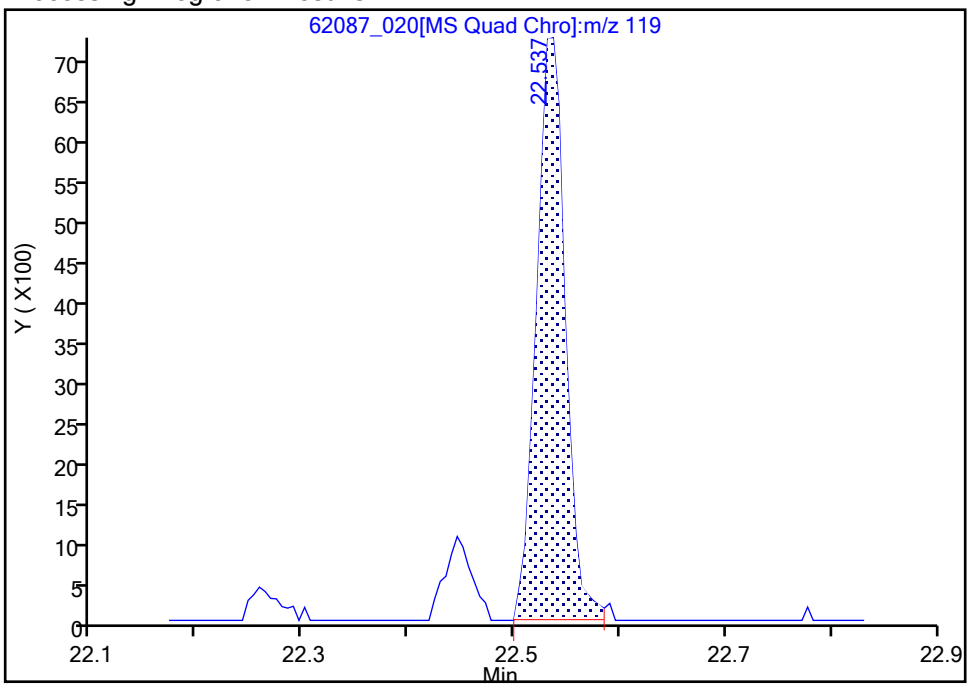
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

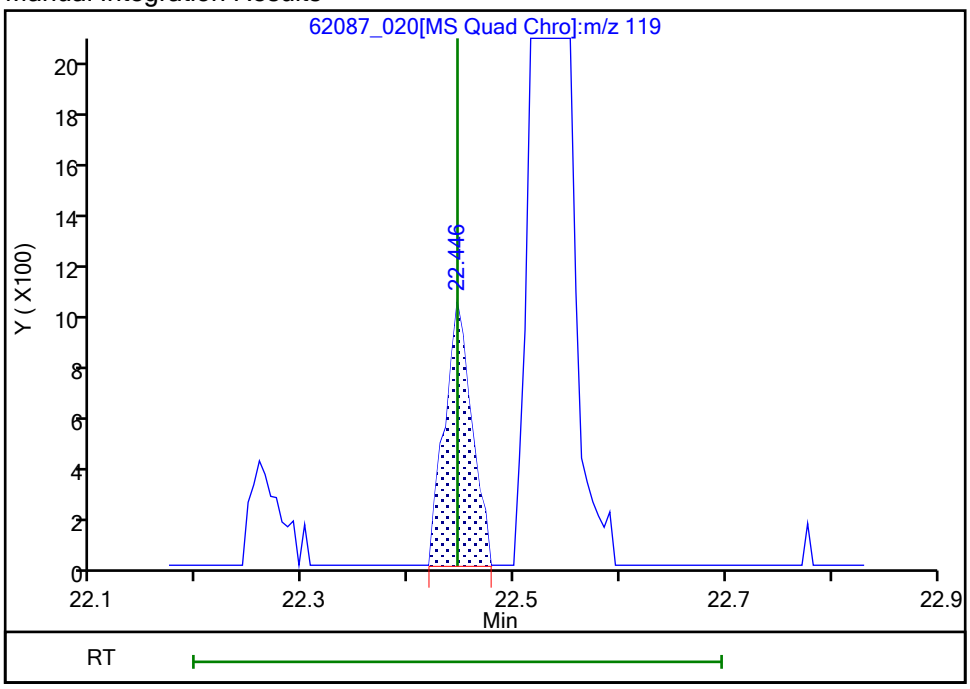
Processing Integration Results

RT: 22.54
Area: 13762
Amount: 0.061808
Amount Units: ppb v/v



Manual Integration Results

RT: 22.45
Area: 1854
Amount: 0.008327
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:43:52 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

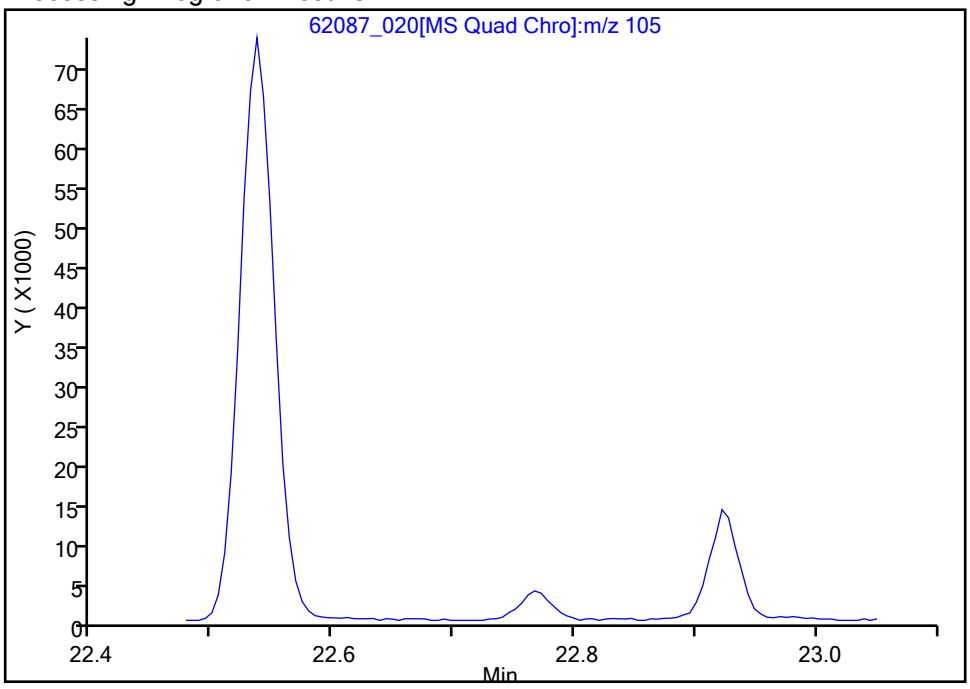
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

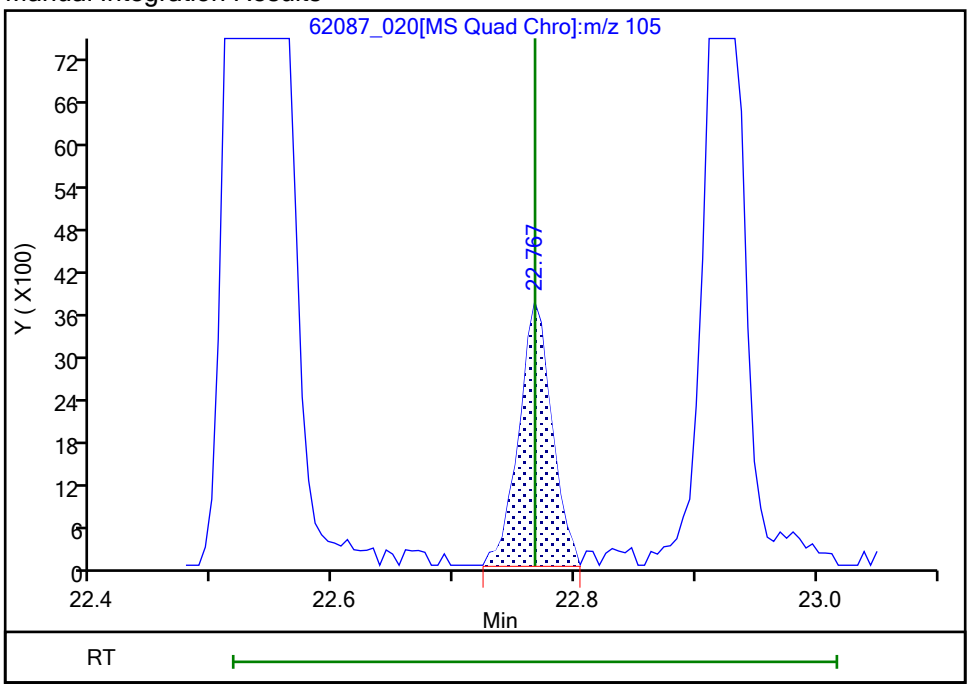
Not Detected
Expected RT: 22.77

Processing Integration Results



Manual Integration Results

RT: 22.77
Area: 6990
Amount: 0.020811
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:44:30 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

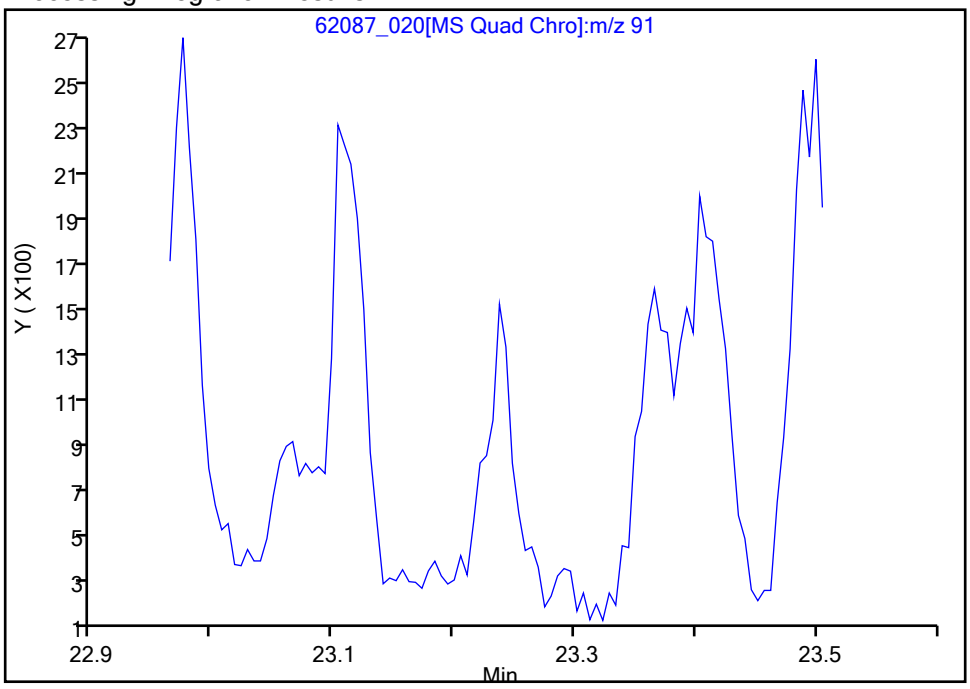
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_020.D				
Injection Date:	17-Sep-2024 23:45:20	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Signal: 1

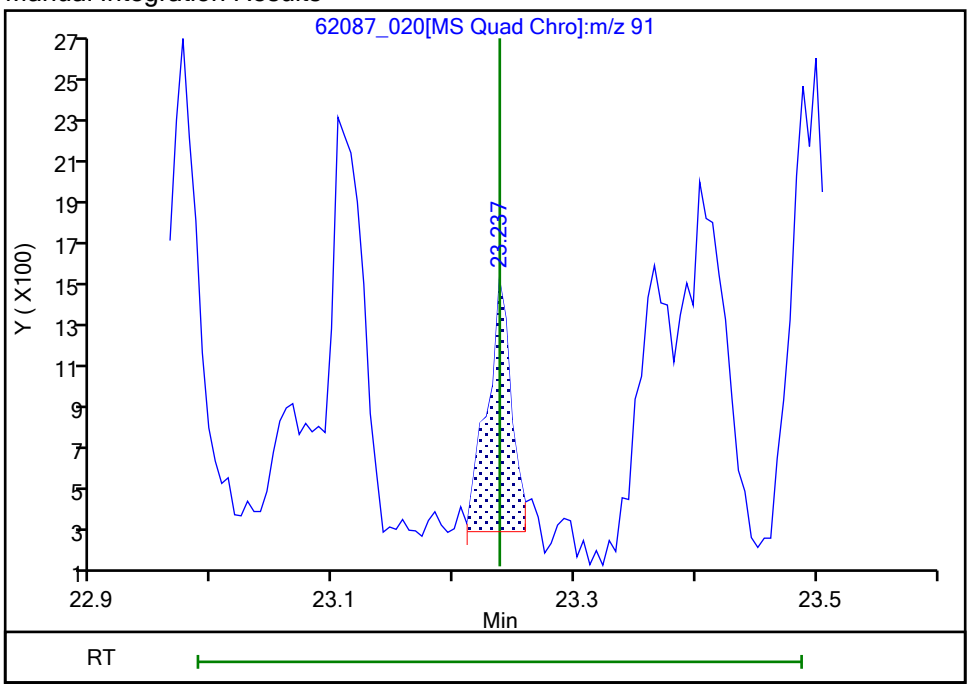
Not Detected
Expected RT: 23.24

Processing Integration Results



Manual Integration Results

RT: 23.24
Area: 1643
Amount: 0.008121
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 11:44:55 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-9 DL Lab Sample ID: 200-75119-3 DL

Matrix: Air Lab File ID: 62087_021.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:53

Sample wt/vol: 80(mL) Date Analyzed: 09/18/2024 00:36

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	120	D	30	9.5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-9 DL Lab Sample ID: 200-75119-3 DL

Matrix: Air Lab File ID: 62087_021.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:53

Sample wt/vol: 80(mL) Date Analyzed: 09/18/2024 00:36

Soil Aliquot Vol: Dilution Factor: 2.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
67-64-1	Acetone	58.08	49	D	13	4.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_021.D
Lims ID: 200-75119-A-3 DL
Client ID: RXSV-9
Sample Type: Client
Inject. Date: 18-Sep-2024 00:36:58 ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 2.5000
Sample Info: 200-0062087-021
Misc. Info.: 75119-3dl
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 12:36:00 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 12:36:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.412	4.419	-0.005	99	32726	0.2455	
3 Chlorodifluoromethane	51	4.460	4.467	-0.005	96	4438	0.0626	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.781	4.794	-0.011	93	9672	0.0700	
5 Chloromethane	50	4.914	4.917	-0.001	96	3648	0.0943	
7 Butane	43	5.214	5.217	0.000	99	629403	9.96	
6 Vinyl chloride	62		5.220				ND	
8 Butadiene	54	5.332	5.340	-0.005	87	1696	0.0447	
9 Bromomethane	94		6.086				ND	
10 Chloroethane	64		6.359				ND	7
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.958	6.956	0.005	99	75823	0.5318	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.076	8.076	0.005	5	2364	0.0198	7M
22 Acetone	43	8.135	8.128	0.010	97	1433108	19.6	
23 Isopropyl alcohol	45	8.456	8.439	0.021	99	31067	0.3703	
24 Carbon disulfide	76	8.440	8.444	0.000	99	200918	1.29	
26 3-Chloro-1-propene	41		8.745				ND	
27 Methylene Chloride	49		8.986				ND	7
28 2-Methyl-2-propanol	59	9.237	9.220	0.021	100	401474	4.18	
30 trans-1,2-Dichloroethene	61		9.483				ND	7
31 Methyl tert-butyl ether	73		9.483				ND	7
32 Hexane	57	9.991	9.996	-0.001	92	736363	8.75	
33 1,1-Dichloroethane	63		10.270				ND	7
36 2-Butanone (MEK)	72	11.270	11.264	0.010	99	50052	1.82	
37 cis-1,2-Dichloroethene	96		11.281				ND	
* 39 Chlorobromomethane	128	11.698	11.693	0.005	90	310110	10.0	
40 Tetrahydrofuran	42		11.730				ND	
41 Chloroform	83	11.875	11.880	-0.001	96	8605	0.0718	
42 1,1,1-Trichloroethane	97	12.185	12.185	0.011	42	1083	0.009174	7M
43 Cyclohexane	84	12.297	12.297	-0.006	49	2549	0.0347	M
44 Carbon tetrachloride	117	12.452	12.447	0.005	1	1007	0.008284	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.811	12.805	0.005	95	39791	0.2308	
46 1,2-Dichloroethane	62		12.891				ND	MU
47 Isooctane	57	13.014	13.014	0.005	81	13301	0.0497	M
48 n-Heptane	43	13.319	13.319	0.000	91	467269	4.81	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	94	1492929	10.0	
51 Trichloroethene	95	13.982	13.977	0.005	93	2192	0.0272	
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	MU
55 1,4-Dioxane	88		14.576				ND	7
58 Dichlorobromomethane	83		14.919				ND	MU
59 cis-1,3-Dichloropropene	75		15.721				ND	
61 4-Methyl-2-pentanone (MIBK)	43	16.005	16.005	0.016	88	12253	0.1035	M
62 Toluene	92	16.352	16.362	-0.006	93	102013	0.8377	
66 trans-1,3-Dichloropropene	75		16.781				ND	7
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	39	1245	0.0199	M
68 Tetrachloroethene	166	17.342	17.347	0.000	97	118457	1.17	
69 2-Hexanone	43	17.583	17.577	0.011	93	20251	0.1832	
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	
* 73 Chlorobenzene-d5	117	19.049	19.043	0.006	86	1347198	10.0	
74 Chlorobenzene	112		19.102				ND	
75 Ethylbenzene	91	19.289	19.295	-0.001	99	91642	0.3421	
76 m-Xylene & p-Xylene	106	19.546	19.557	-0.006	0	66265	0.6554	
78 o-Xylene	106	20.322	20.327	0.000	98	40520	0.4148	
79 Styrene	104	20.359	20.360	0.005	98	26690	0.1681	
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105		20.991				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	MU
85 N-Propylbenzene	91	21.686	21.686	0.000	83	12057	0.0346	M
86 2-Chlorotoluene	91		21.836				ND	
87 4-Ethyltoluene	105	21.884	21.885	0.005	98	11750	0.0421	
88 1,3,5-Trimethylbenzene	105	21.975	21.976	0.005	92	13427	0.0573	
91 tert-Butylbenzene	119		22.446				ND	MU
92 1,2,4-Trimethylbenzene	105	22.537	22.538	0.005	95	53377	0.2257	
93 sec-Butylbenzene	105	22.767	22.767	0.000	29	2629	0.007732	7M
94 1,3-Dichlorobenzene	146		22.943				ND	7
95 4-Isopropyltoluene	119	22.981	22.982	0.005	96	5566	0.0198	
96 1,4-Dichlorobenzene	146		23.083				ND	7
97 Benzyl chloride	91		23.238				ND	MU
98 n-Butylbenzene	91		23.543				ND	7
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.586	26.588	0.005	99	9873	0.0443	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

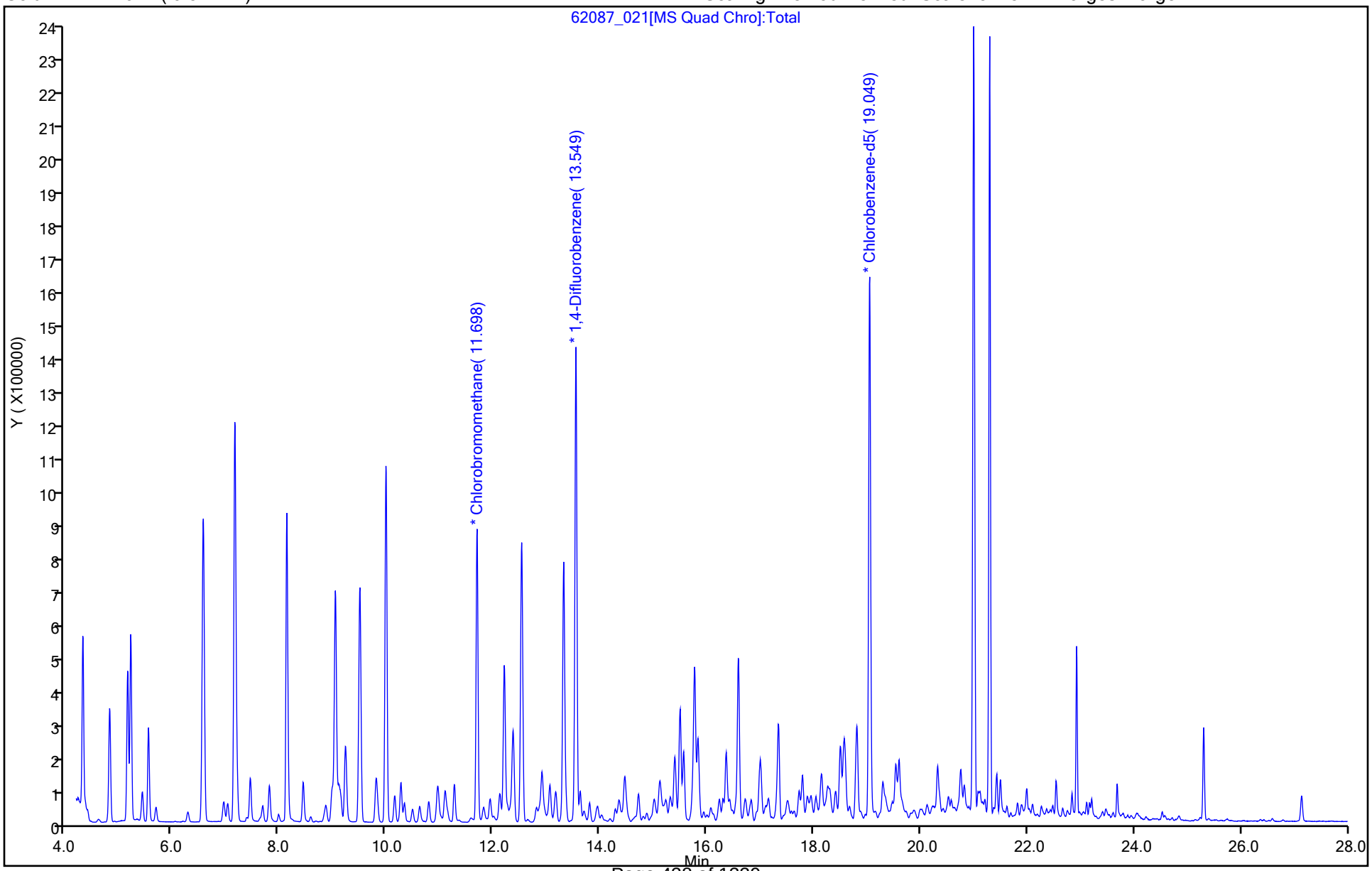
Report Date: 18-Sep-2024 12:36:00 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_021.D

Injection Date:	18-Sep-2024 00:36:58	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-3 DL	Lab Sample ID:	200-75119-3	Worklist Smp#:	21
Client ID:	RXSV-9				
Purge Vol:	200.000 mL	Dil. Factor:	2.5000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



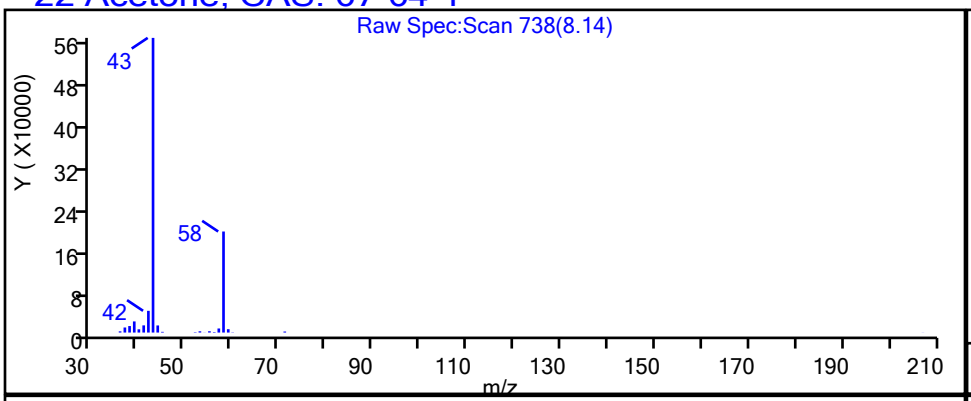
Report Date: 18-Sep-2024 12:36:00 Chrom Revision: 2.3 26-Aug-2024 17:14:48

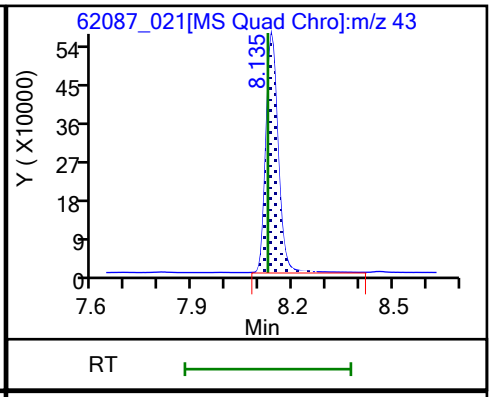
Eurofins Burlington

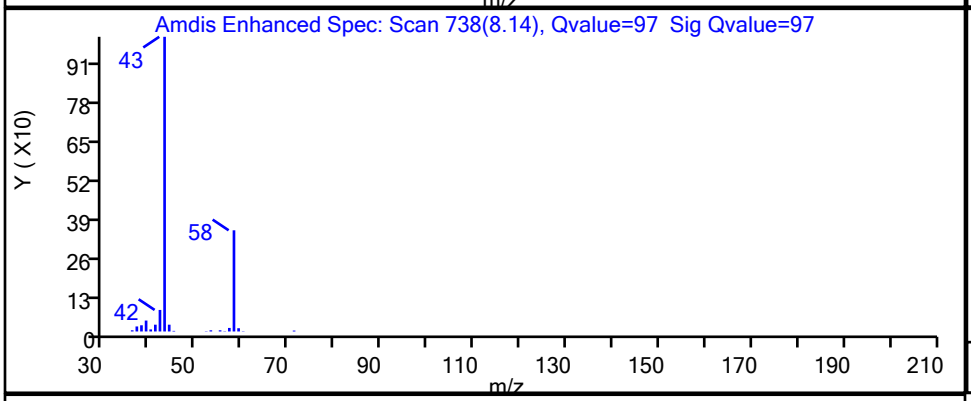
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_021.D

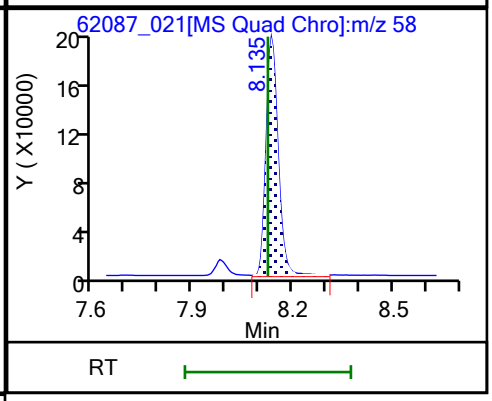
Injection Date:	18-Sep-2024 00:36:58	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-3 DL	Lab Sample ID:	200-75119-3		
Client ID:	RXSV-9				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

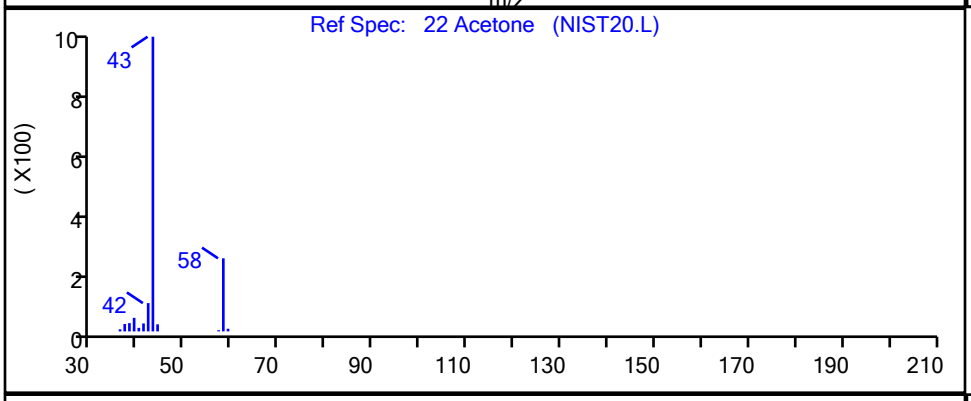
22 Acetone, CAS: 67-64-1

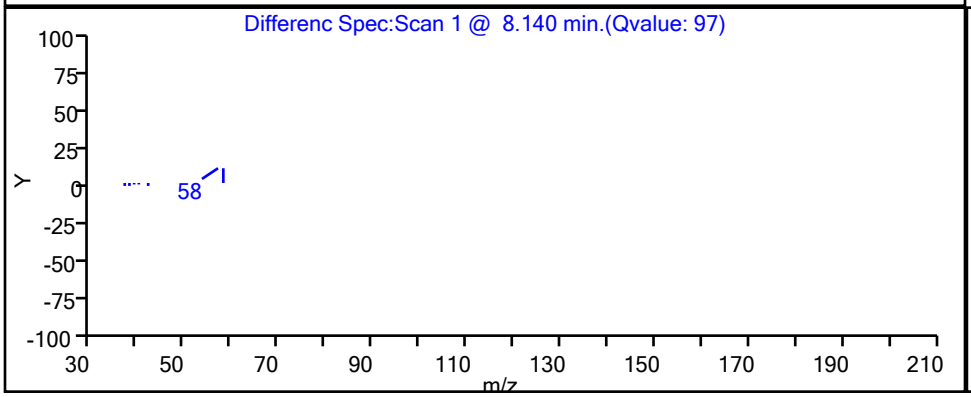


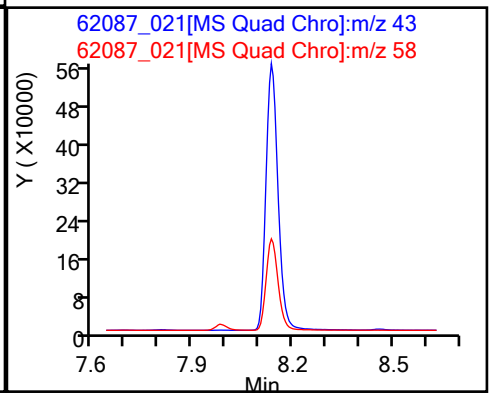












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-6 Lab Sample ID: 200-75119-4

Matrix: Air Lab File ID: 62087_022.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:55

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 01:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.0	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.3	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	0.40	J	1.0	0.31
106-97-8	n-Butane	58.12	2.0		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	3.8		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	43		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	0.95	J	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	14	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.71	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	2.4		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	4.5		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.21	J	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-6 Lab Sample ID: 200-75119-4

Matrix: Air Lab File ID: 62087_022.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:55

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 01:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.26	J	0.93	0.18
71-43-2	Benzene	78.11	0.45	J	0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	0.58	J	0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	0.60	J	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	5.8		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	9.5		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.44	J	0.87	0.30
179601-23-1	m,p-Xylene	106.17	1.6	J	2.2	0.41
95-47-6	o-Xylene	106.17	0.74	J	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.28	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.51	J	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-6 Lab Sample ID: 200-75119-4

Matrix: Air Lab File ID: 62087_022.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:55

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 01:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	1.9		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-6 Lab Sample ID: 200-75119-4

Matrix: Air Lab File ID: 62087_022.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:55

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 01:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.41	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.37	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.19	J	0.50	0.15
106-97-8	n-Butane	58.12	0.85		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.68		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	18		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.31	J	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	4.8	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.20	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.80		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.92		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.034	J	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-6 Lab Sample ID: 200-75119-4

Matrix: Air Lab File ID: 62087_022.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:55

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 01:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.057	J	0.20	0.038
71-43-2	Benzene	78.11	0.14	J	0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.14	J	0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	0.17	J	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	1.5		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	1.4		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.10	J	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.36	J	0.50	0.095
95-47-6	o-Xylene	106.17	0.17	J	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.057	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.10	J	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-6 Lab Sample ID: 200-75119-4

Matrix: Air Lab File ID: 62087_022.D

Analysis Method: TO-15 Date Collected: 09/13/2024 10:55

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 01:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.39		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D
Lims ID: 200-75119-A-4
Client ID: RXSV-6
Sample Type: Client
Inject. Date: 18-Sep-2024 01:28:17 ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-022
Misc. Info.: 75119-4
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 14:07:37 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 14:07:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.412	4.419	-0.005	99	54730	0.4051	
3 Chlorodifluoromethane	51	4.465	4.467	0.000	97	26466	0.3682	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.781	4.794	-0.011	96	5501	0.0393	
5 Chloromethane	50	4.915	4.917	0.000	98	7530	0.1920	
7 Butane	43	5.214	5.217	0.000	98	54359	0.8486	
6 Vinyl chloride	62		5.220				ND	
8 Butadiene	54		5.337				ND	MU
9 Bromomethane	94		6.086				ND	
10 Chloroethane	64		6.359				ND	MU
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.958	6.956	0.005	99	98659	0.6825	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.075	0.000	95	6274	0.0518	
22 Acetone	43	8.135	8.128	0.010	97	1342541	18.2	
23 Isopropyl alcohol	45	8.456	8.439	0.021	100	29802	0.3504	
24 Carbon disulfide	76	8.440	8.444	0.000	100	48369	0.3062	
26 3-Chloro-1-propene	41		8.745				ND	
27 Methylene Chloride	49	8.991	8.990	0.005	91	7321	0.1213	
28 2-Methyl-2-propanol	59	9.232	9.220	0.016	100	464878	4.77	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73		9.483				ND	
32 Hexane	57	9.992	9.996	0.000	92	17206	0.2017	
33 1,1-Dichloroethane	63		10.270				ND	
36 2-Butanone (MEK)	72	11.276	11.265	0.016	98	22370	0.8022	
37 cis-1,2-Dichloroethene	96		11.281				ND	
* 39 Chlorobromomethane	128	11.698	11.693	0.005	89	314369	10.0	
40 Tetrahydrofuran	42		11.730				ND	7
41 Chloroform	83	11.880	11.880	0.005	96	111383	0.9165	
42 1,1,1-Trichloroethane	97		12.174				ND	7
43 Cyclohexane	84	12.308	12.303	0.005	89	3804	0.0516	
44 Carbon tetrachloride	117	12.453	12.447	0.006	97	4128	0.0338	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.800	12.806	-0.006	94	24462	0.1414	
46 1,2-Dichloroethane	62		12.891				ND	
47 Isooctane	57	13.009	13.009	0.000	96	15239	0.0567	
48 n-Heptane	43	13.319	13.319	0.000	90	13741	0.1410	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	94	1498176	10.0	
51 Trichloroethene	95	13.983	13.977	0.006	91	1602	0.0198	
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	
55 1,4-Dioxane	88	14.614	14.576	0.038	88	5515	0.1670	
58 Dichlorobromomethane	83	14.924	14.924	0.005	85	1864	0.0145	M
59 cis-1,3-Dichloropropene	75		15.721				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.989				ND	7
62 Toluene	92	16.358	16.358	0.000	94	188259	1.55	
66 trans-1,3-Dichloropropene	75		16.781				ND	7
67 1,1,2-Trichloroethane	83		17.160				ND	MU
68 Tetrachloroethene	166	17.342	17.342	0.000	97	141406	1.40	
69 2-Hexanone	43	17.583	17.572	0.011	96	15310	0.1386	
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	
* 73 Chlorobenzene-d5	117	19.044	19.043	0.001	86	1346264	10.0	
74 Chlorobenzene	112		19.102				ND	
75 Ethylbenzene	91	19.290	19.290	0.000	99	27043	0.1010	
76 m-Xylene & p-Xylene	106	19.541	19.552	-0.011	0	36826	0.3645	
78 o-Xylene	106	20.322	20.322	0.000	98	16683	0.1709	
79 Styrene	104	20.365	20.365	0.011	88	5844	0.0368	M
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105		20.991				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	7
85 N-Propylbenzene	91	21.686	21.686	0.000	98	13085	0.0376	
86 2-Chlorotoluene	91		21.836				ND	MU
87 4-Ethyltoluene	105	21.884	21.879	0.005	98	15772	0.0565	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	93	24400	0.1042	
91 tert-Butylbenzene	119	22.446	22.446	0.000	92	3492	0.0155	
92 1,2,4-Trimethylbenzene	105	22.537	22.532	0.005	95	92140	0.3899	
93 sec-Butylbenzene	105	22.767	22.767	0.000	48	3052	0.008983	7M
94 1,3-Dichlorobenzene	146		22.943				ND	7
95 4-Isopropyltoluene	119	22.976	22.976	0.000	97	8985	0.0320	
96 1,4-Dichlorobenzene	146	23.083	23.083	0.000	92	2394	0.0148	
97 Benzyl chloride	91	23.232	23.232	-0.006	65	1174	0.005736	7M
98 n-Butylbenzene	91	23.537	23.543	-0.006	81	6145	0.0226	
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.587	26.581	0.006	95	4056	0.0182	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

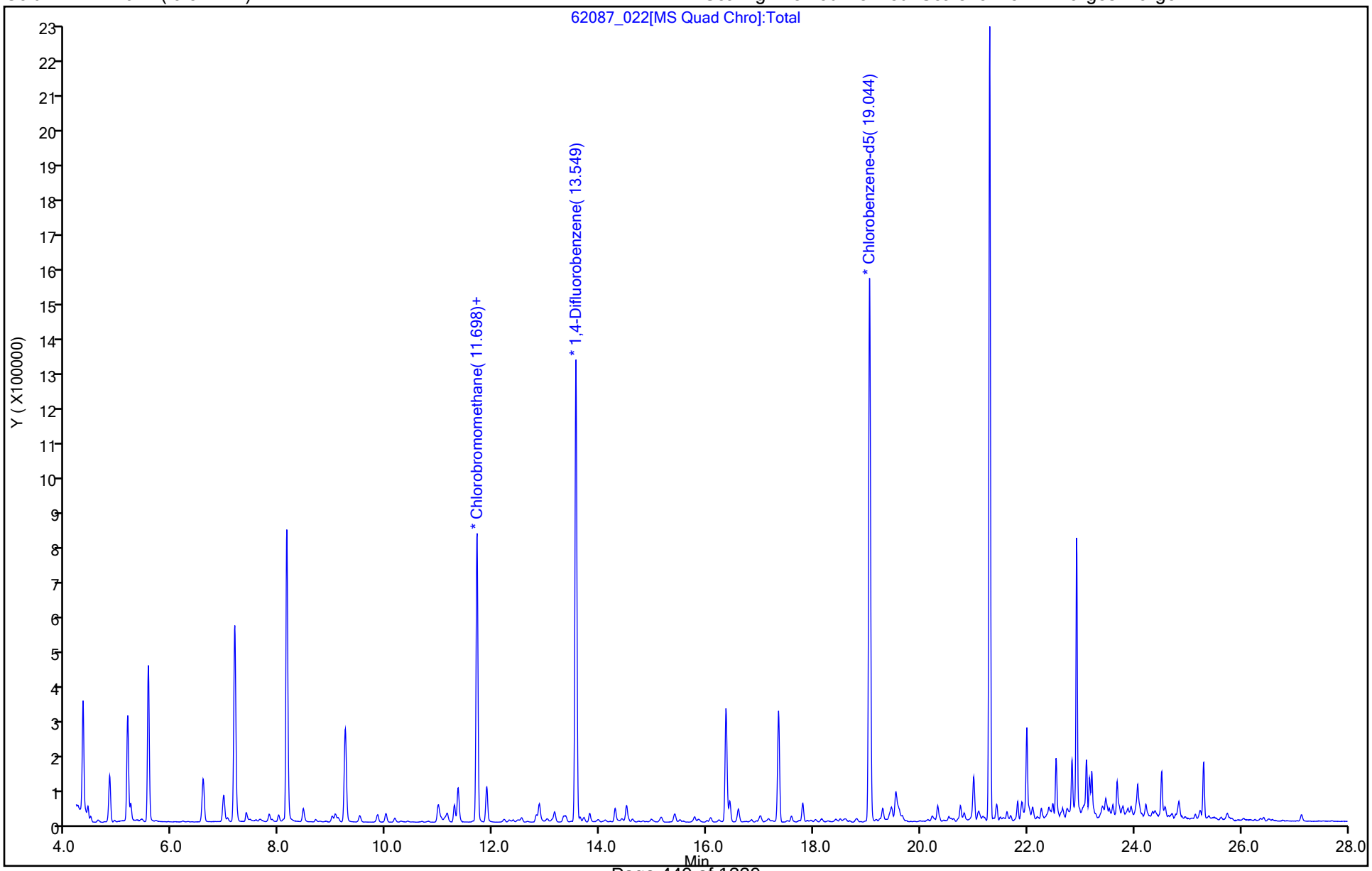
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4	Worklist Smp#:	22
Client ID:	RXSV-6				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



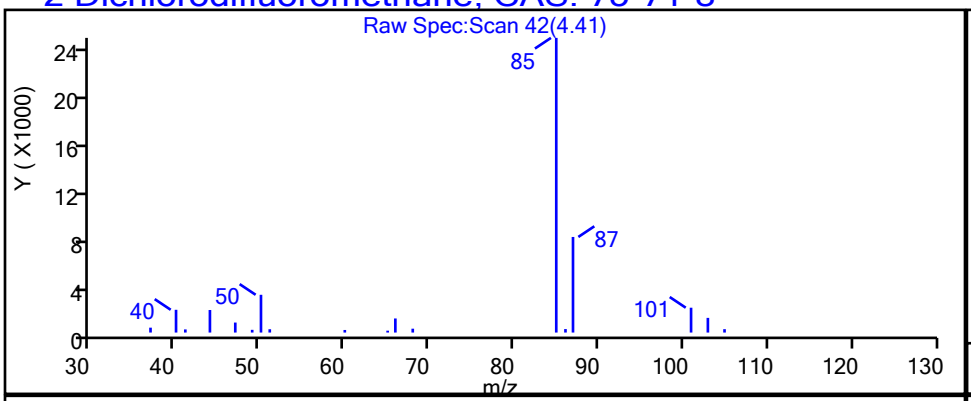
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

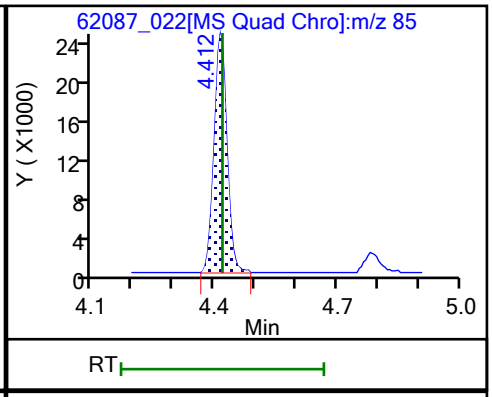
Eurofins Burlington

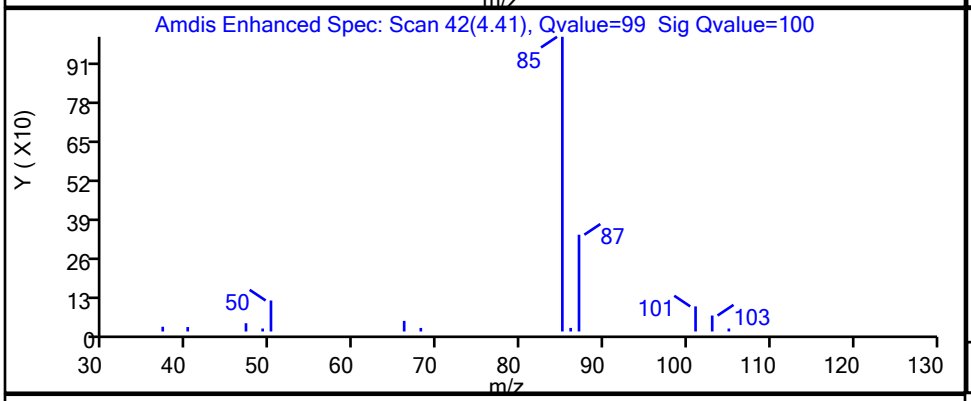
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

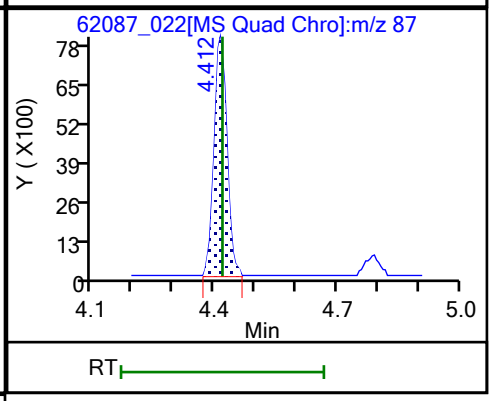
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

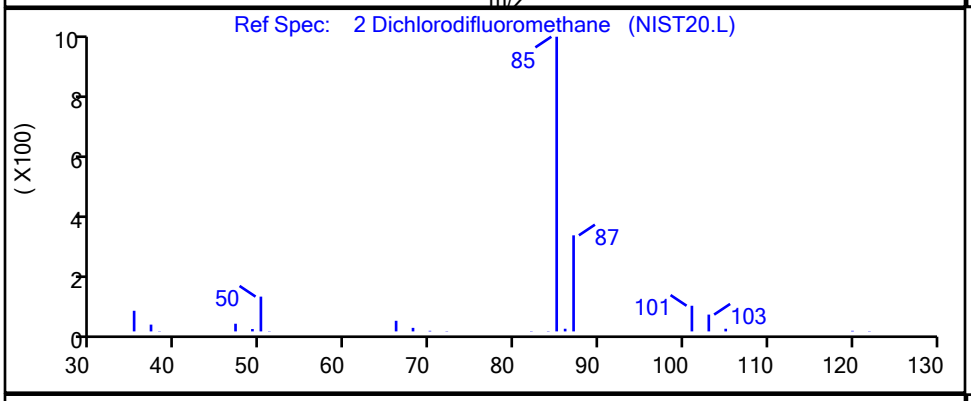
2 Dichlorodifluoromethane, CAS: 75-71-8

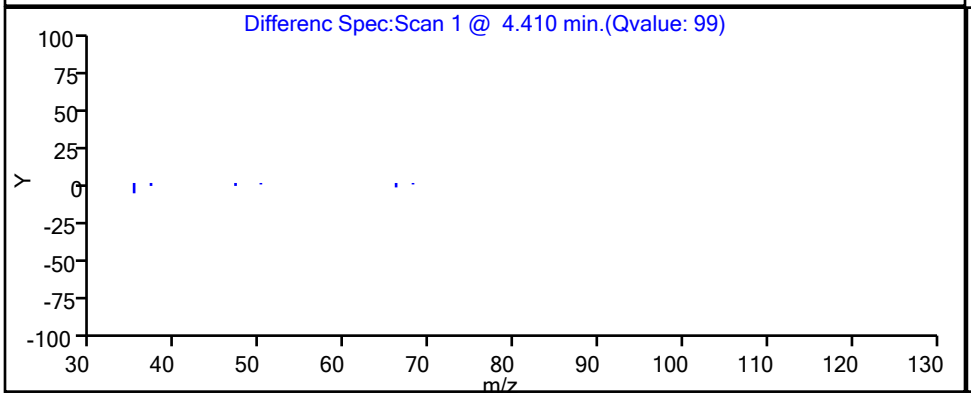


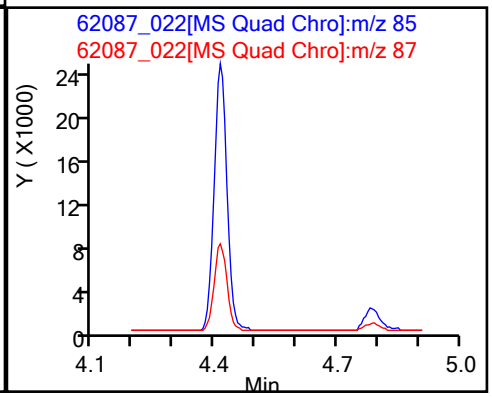












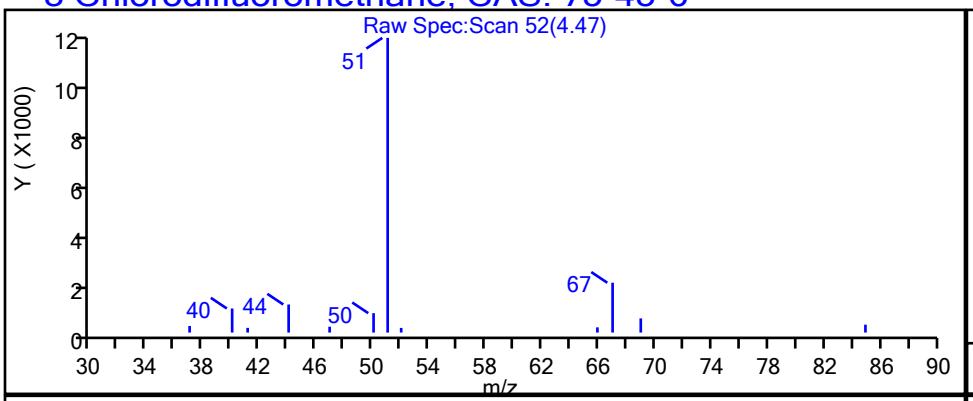
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

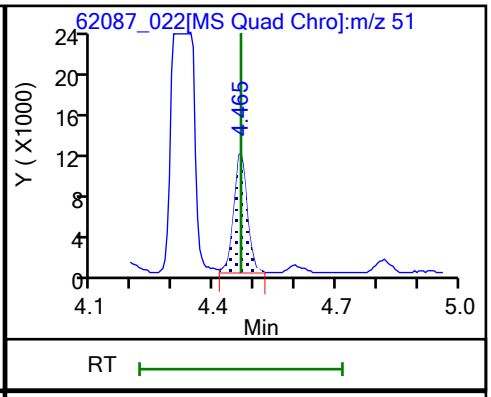
Eurofins Burlington

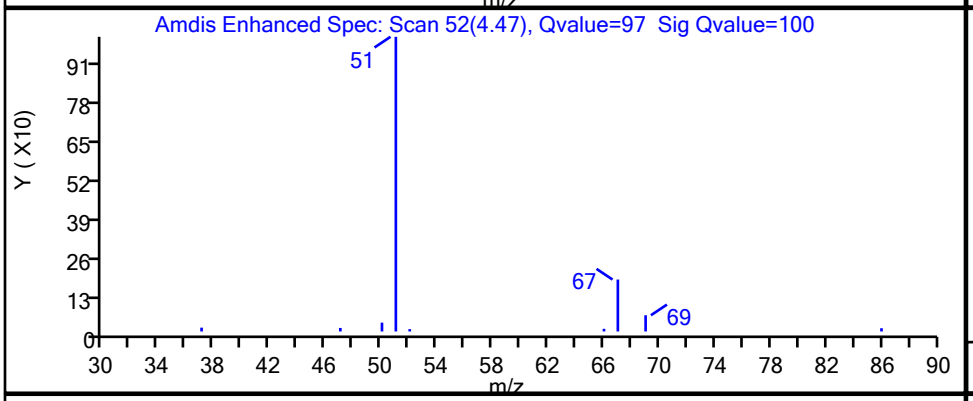
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

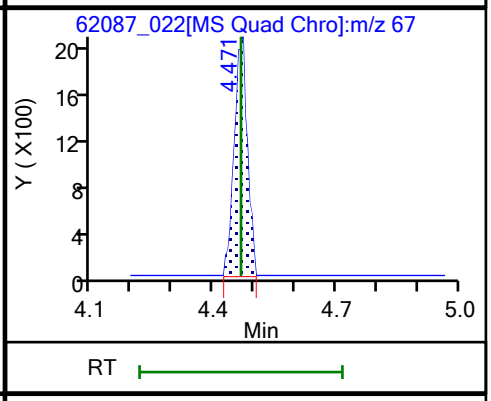
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

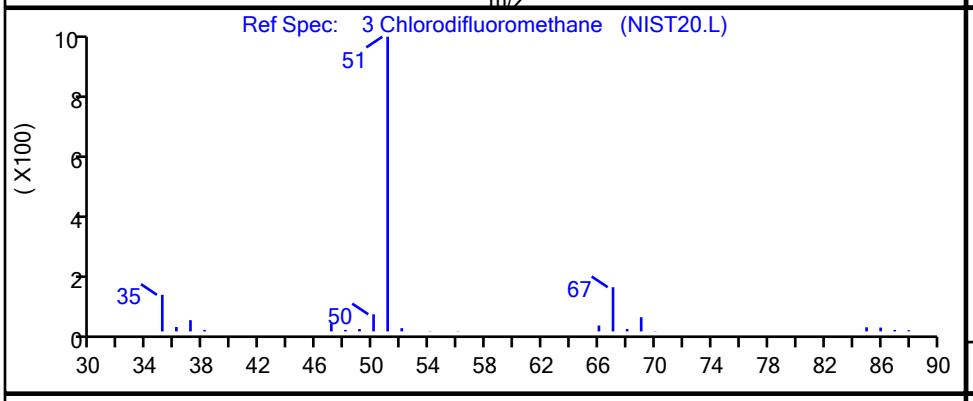
3 Chlorodifluoromethane, CAS: 75-45-6

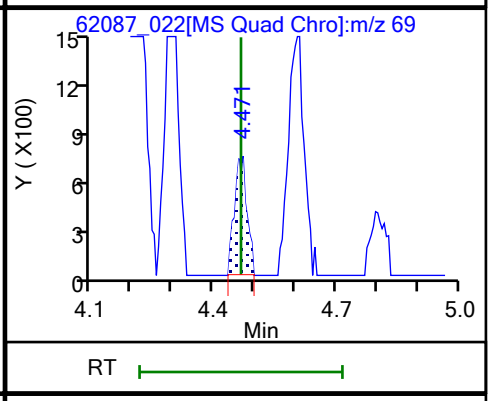


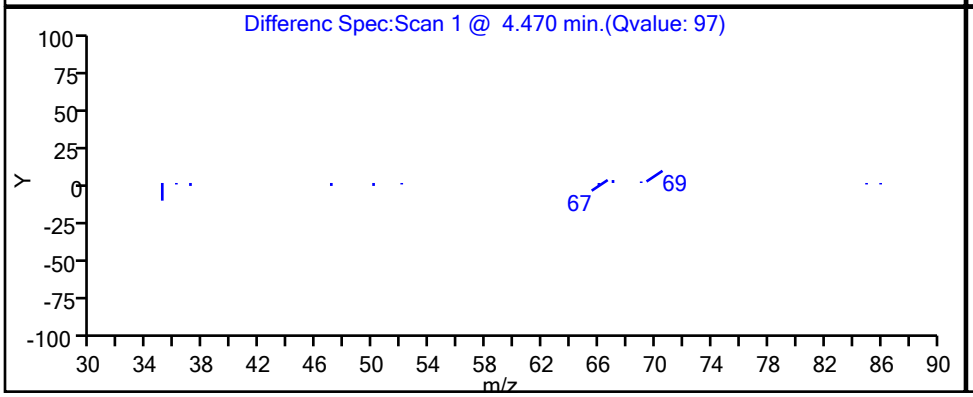


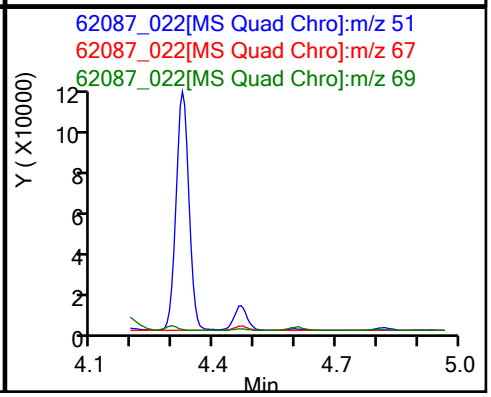












Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

Injection Date: 18-Sep-2024 01:28:17 Instrument ID: CHAM.i

Lims ID: 200-75119-A-4 Lab Sample ID: 200-75119-4

Client ID: RXSV-6

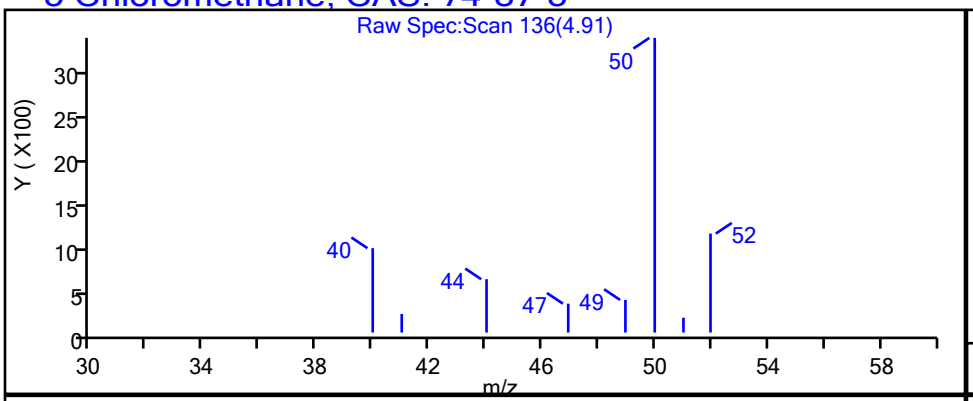
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 22

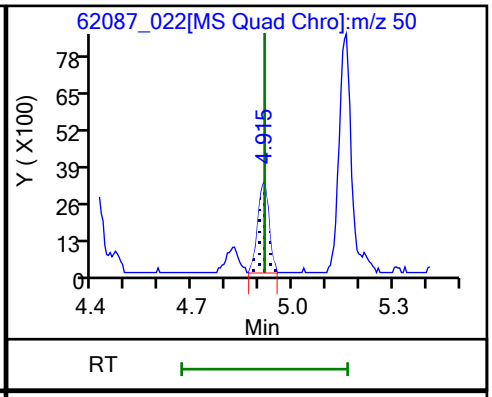
Purge Vol: 200.000 mL Dil. Factor: 1.0000

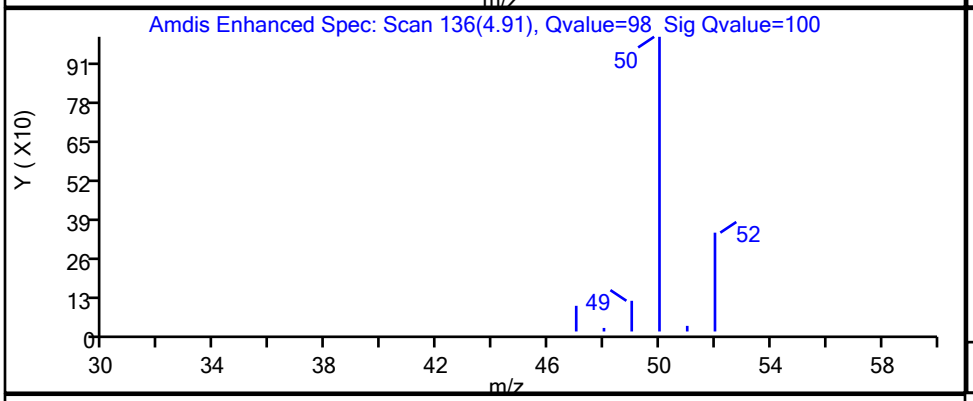
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

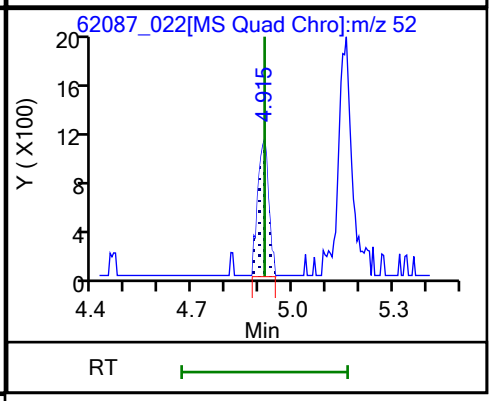
Column: RTX-624 (0.32 mm) Detector MS SCAN

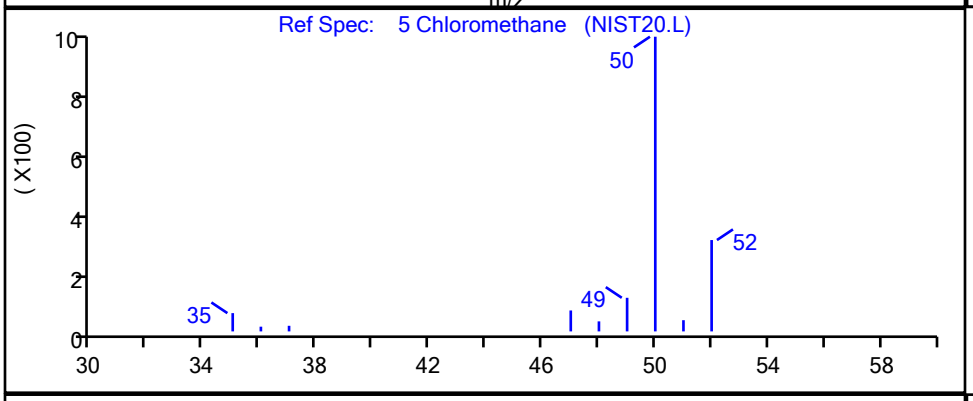
5 Chloromethane, CAS: 74-87-3

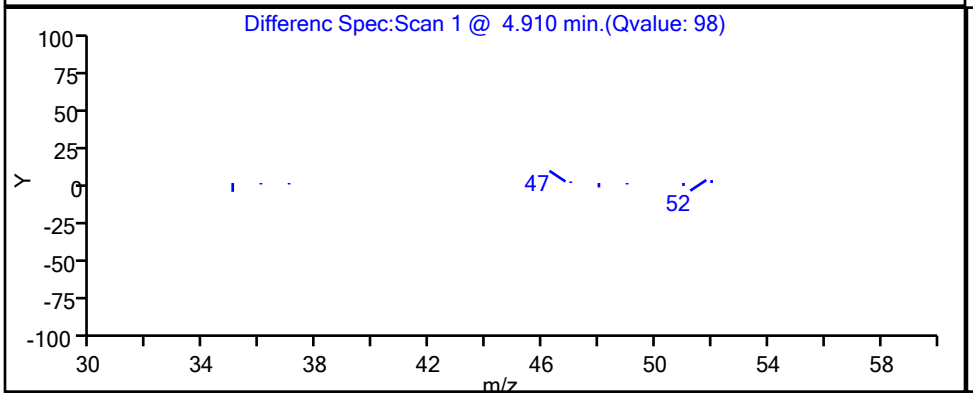


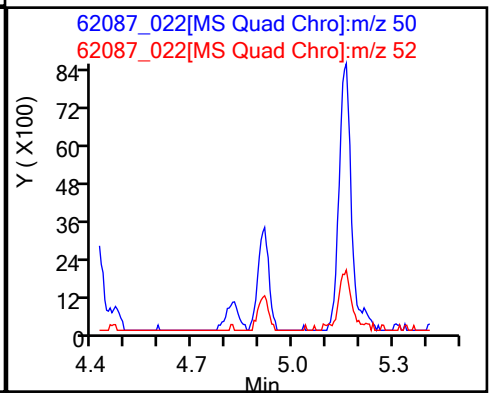












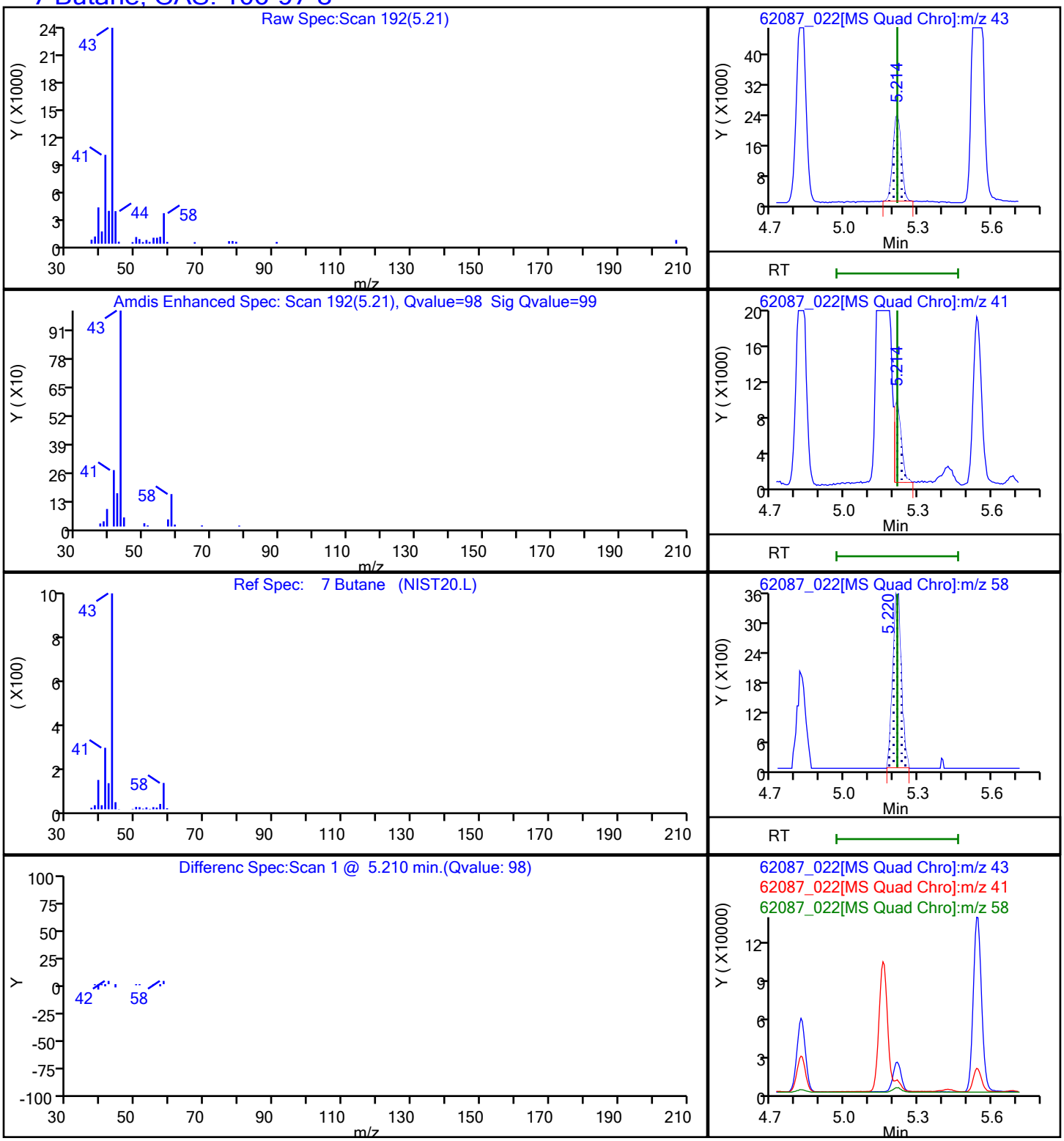
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8



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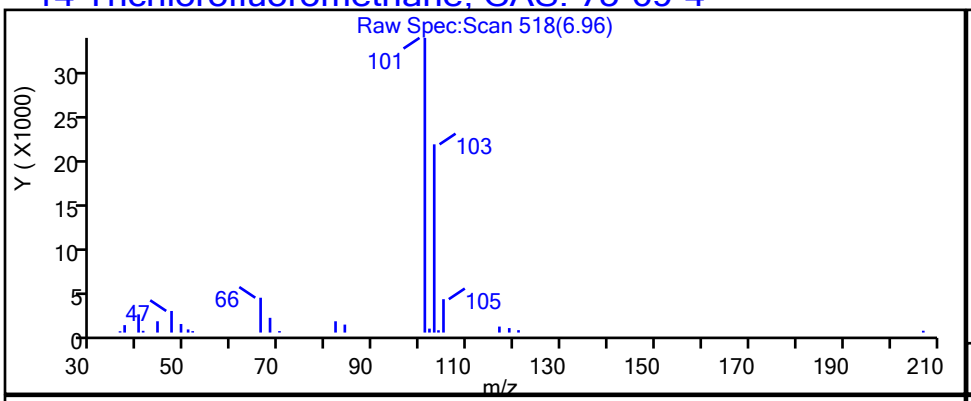
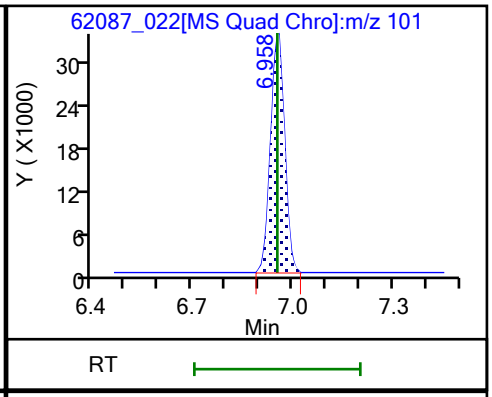
Eurofins Burlington

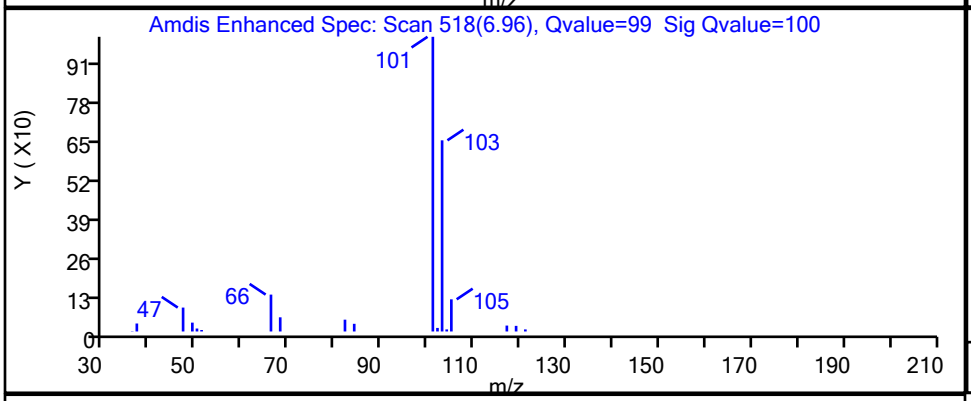
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

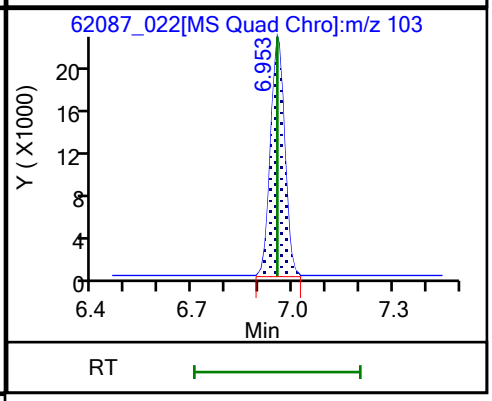
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

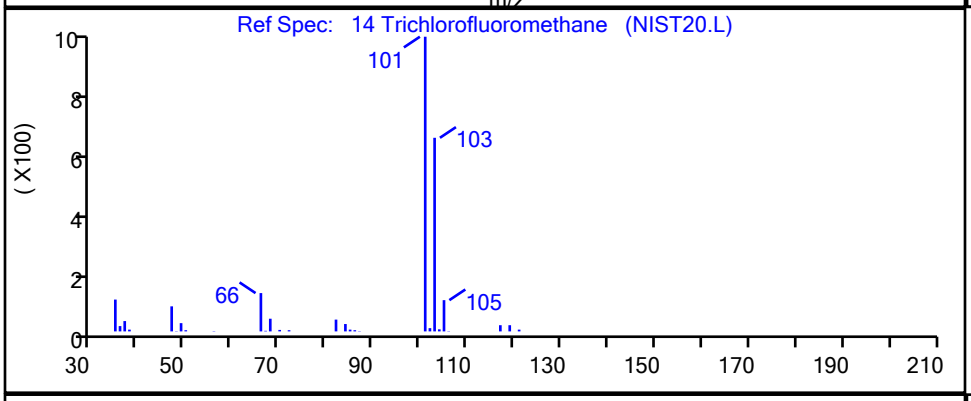
14 Trichlorofluoromethane, CAS: 75-69-4

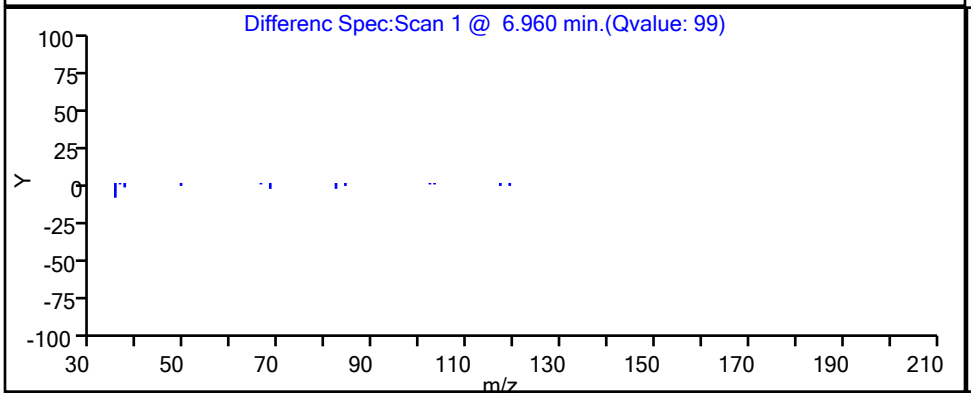


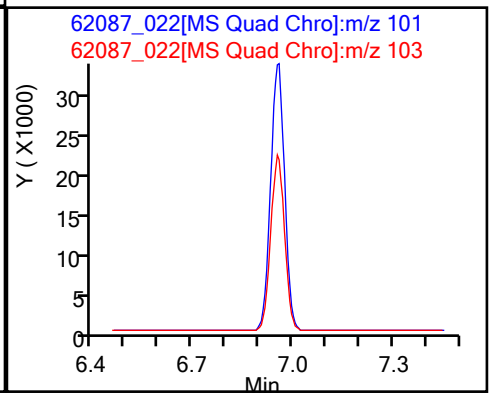












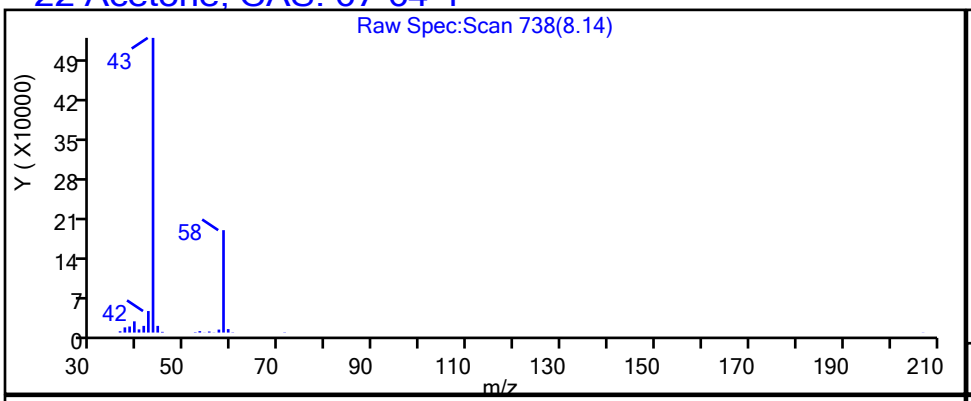
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

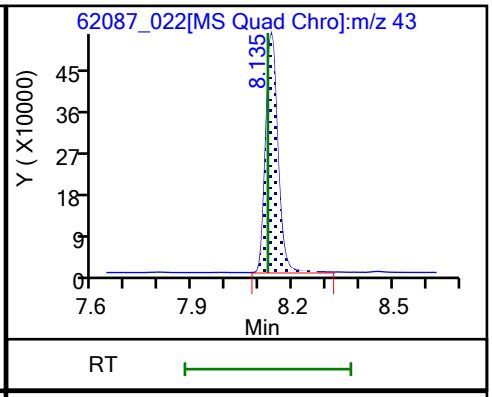
Eurofins Burlington

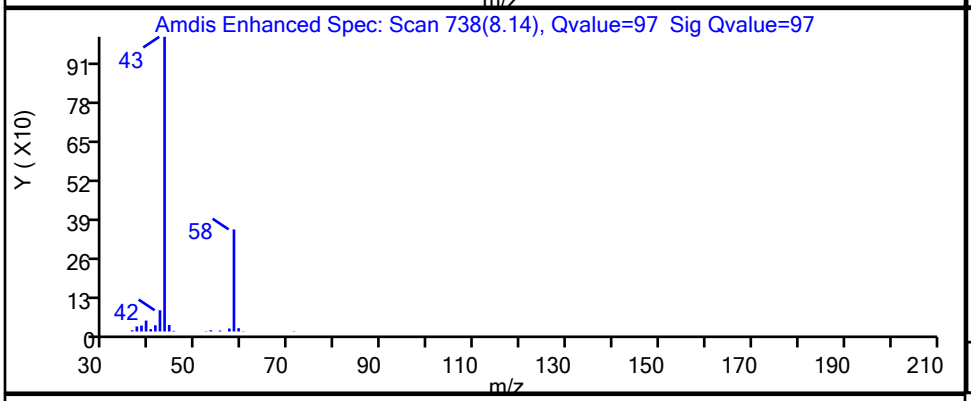
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

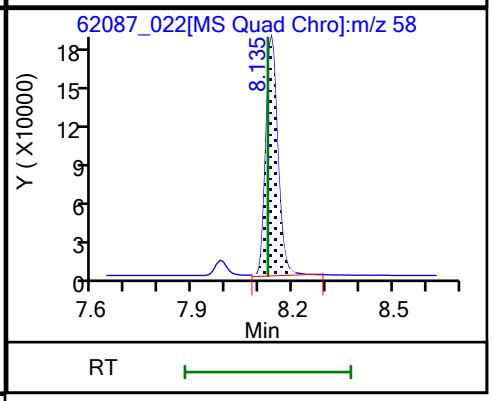
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

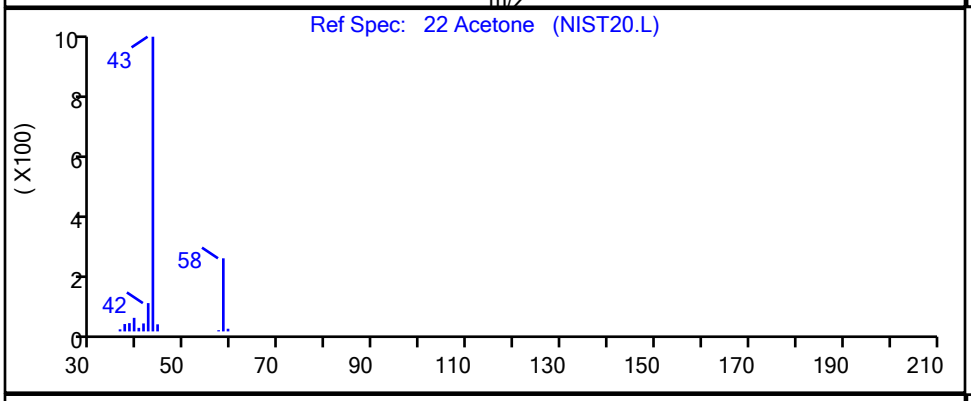
22 Acetone, CAS: 67-64-1

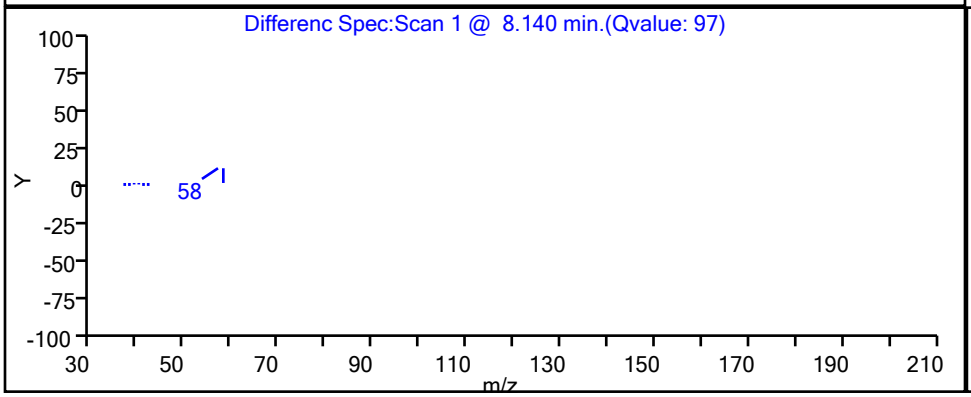


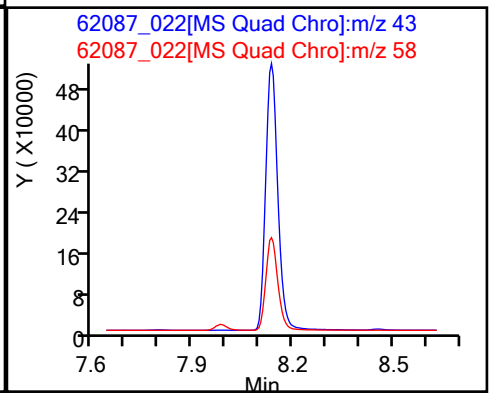












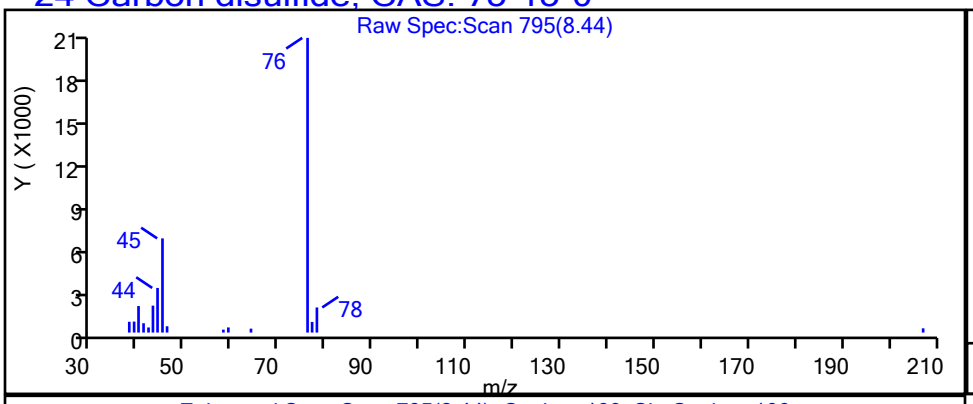
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

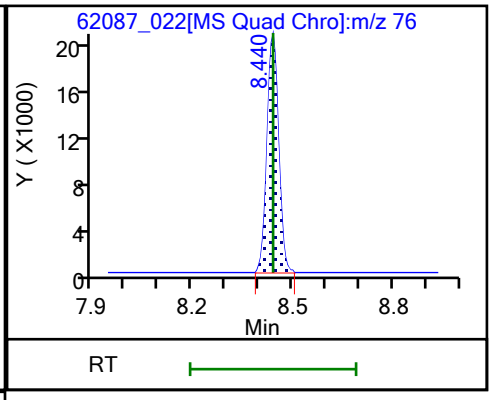
Eurofins Burlington

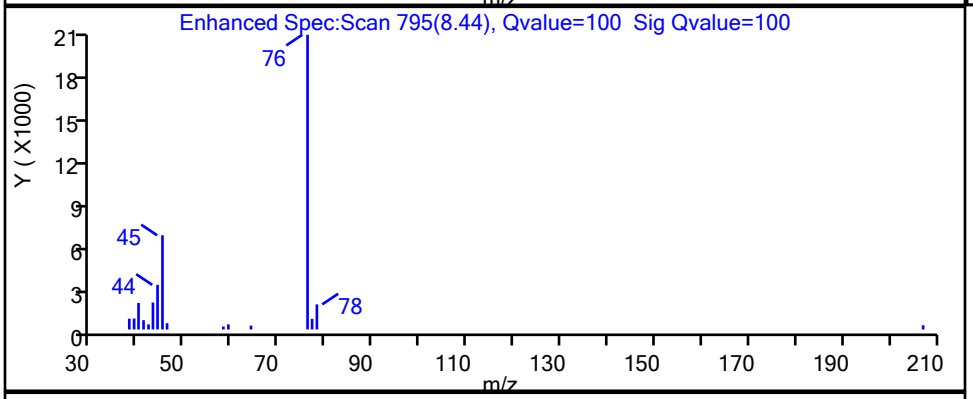
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

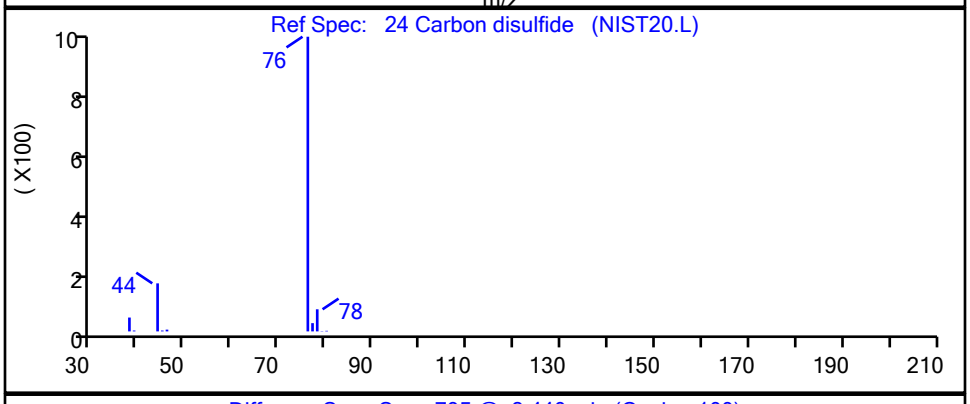
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

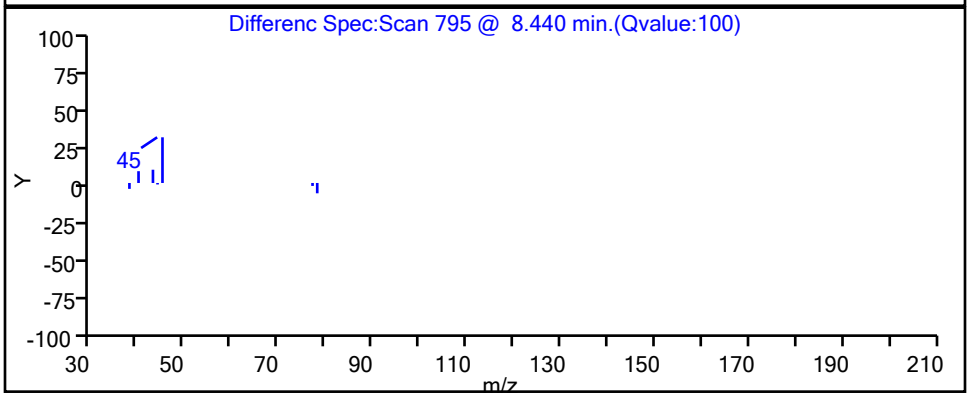
24 Carbon disulfide, CAS: 75-15-0











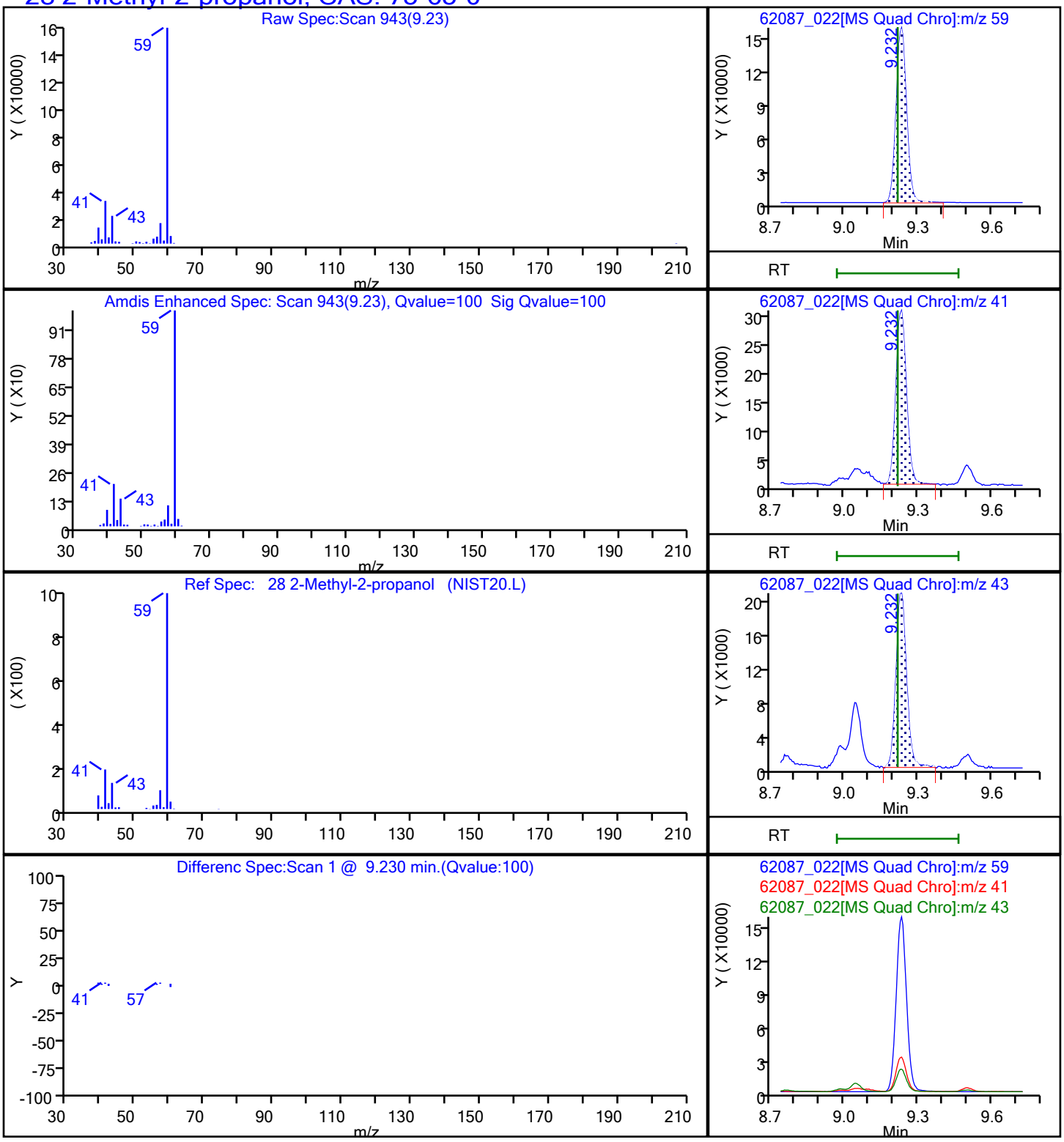
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



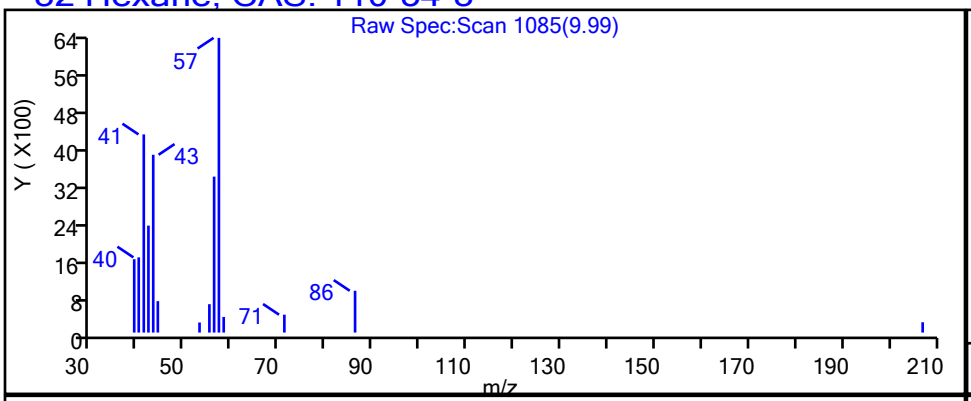
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

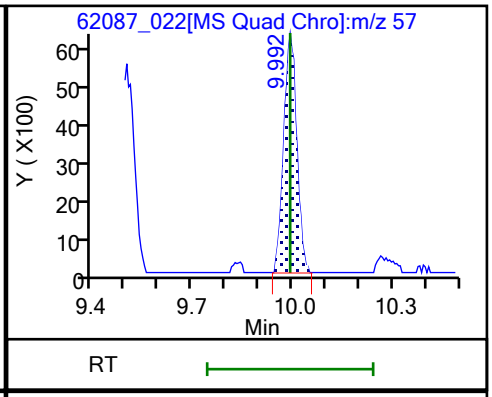
Eurofins Burlington

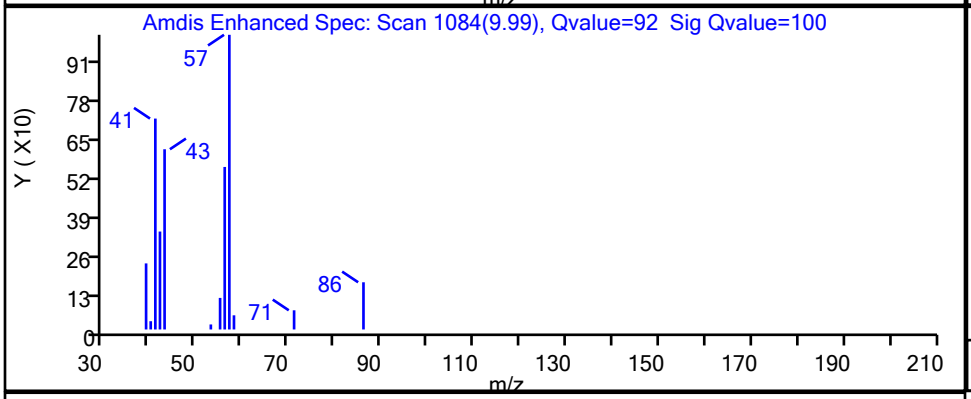
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

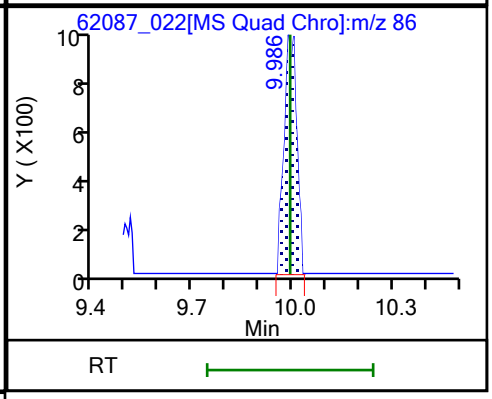
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

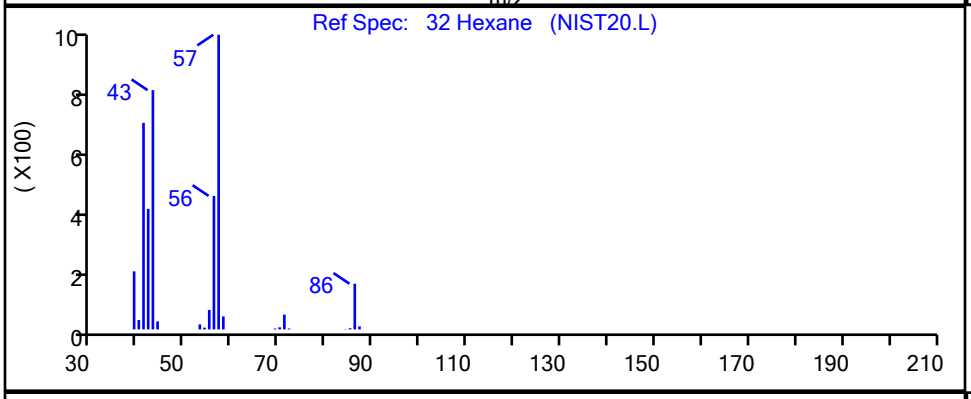
32 Hexane, CAS: 110-54-3

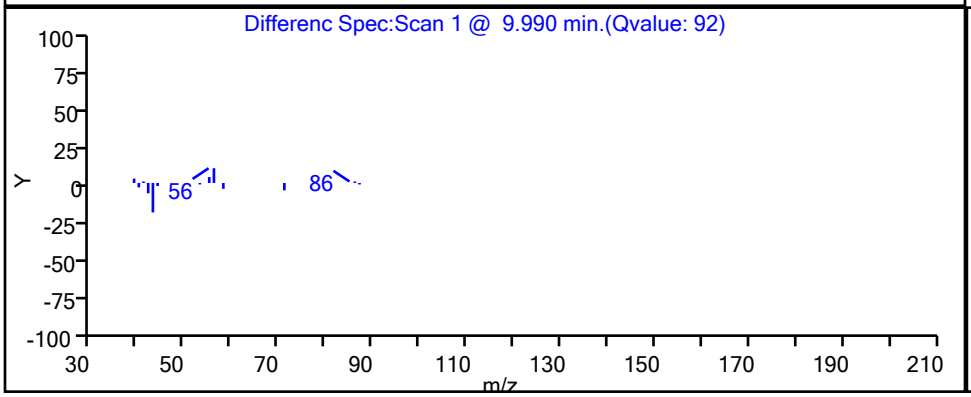


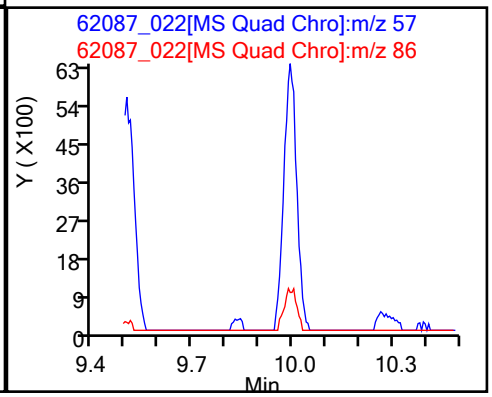












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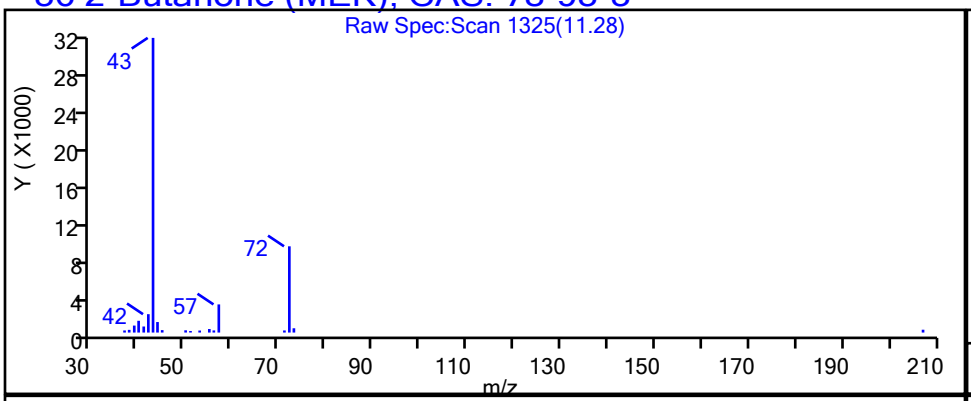
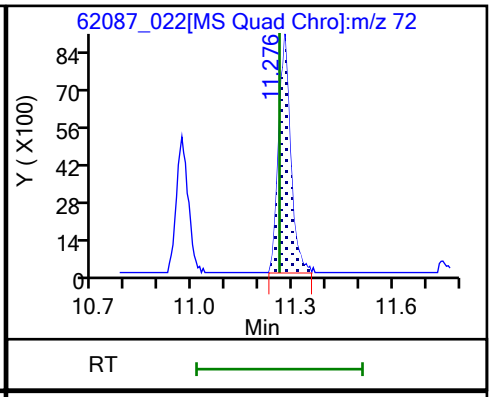
Eurofins Burlington

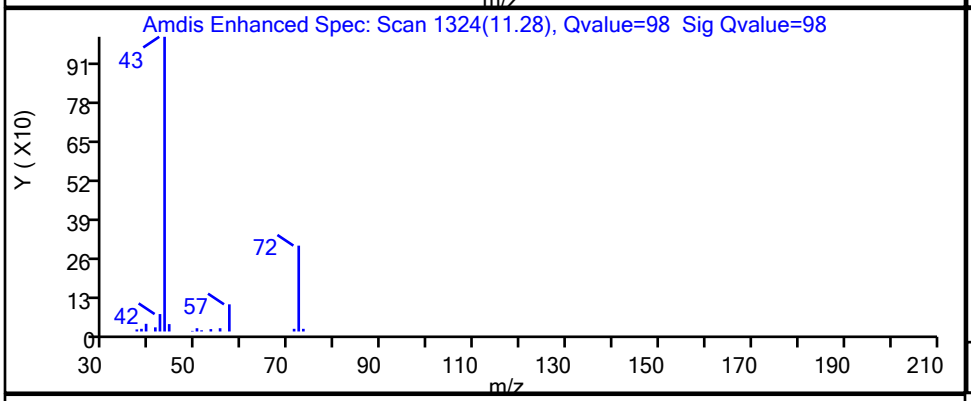
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

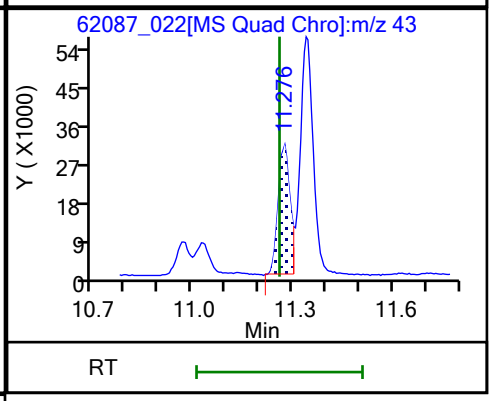
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

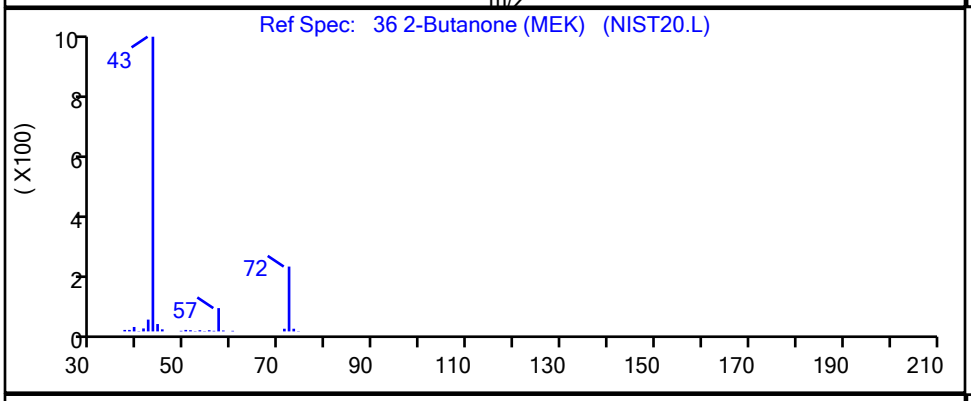
36 2-Butanone (MEK), CAS: 78-93-3

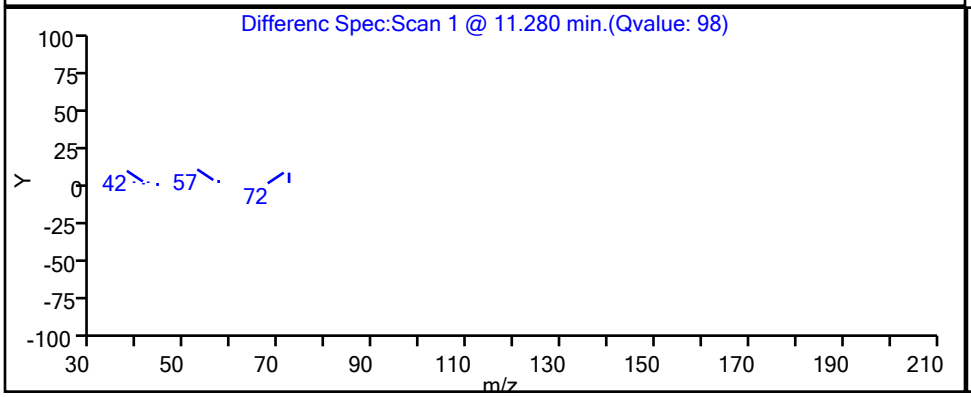


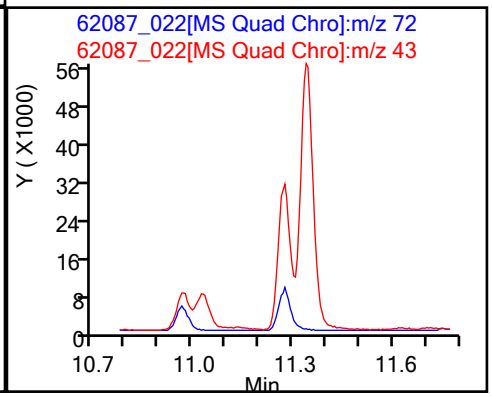












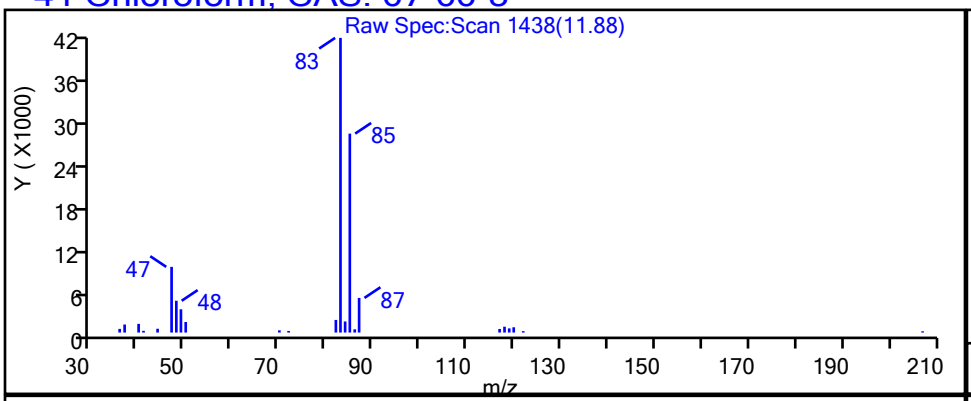
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

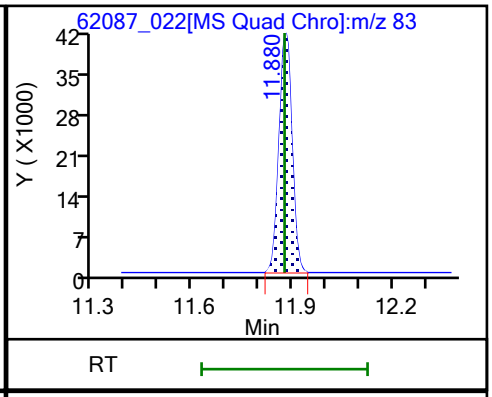
Eurofins Burlington

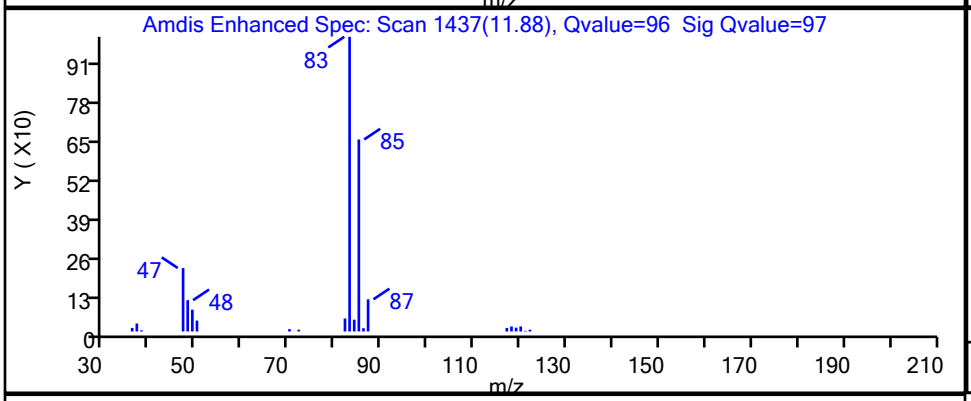
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

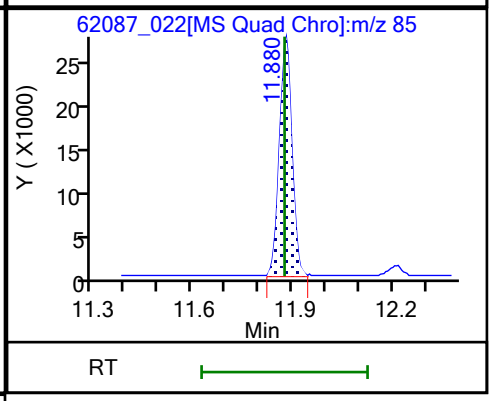
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

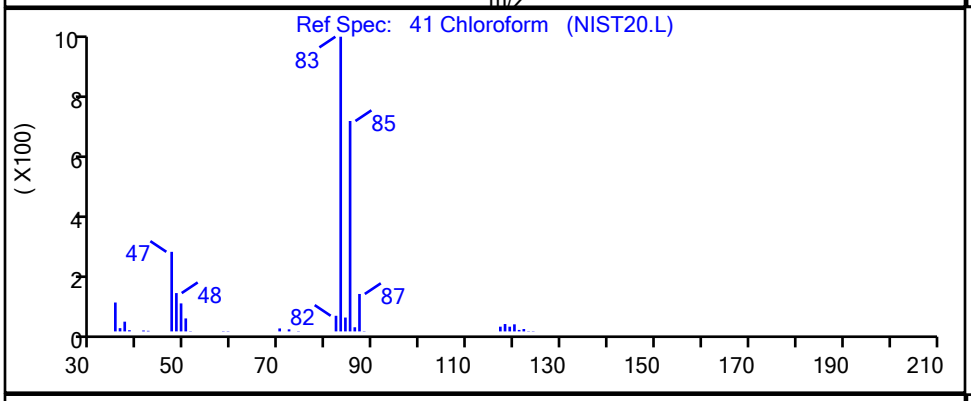
41 Chloroform, CAS: 67-66-3

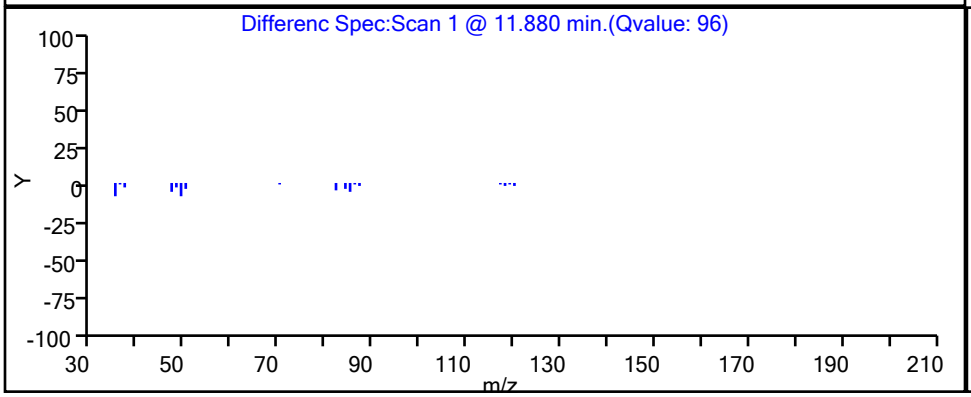


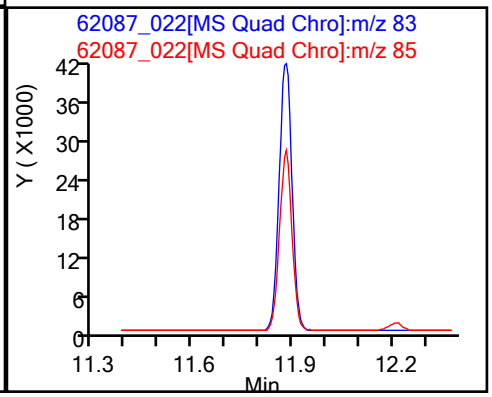












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Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

Injection Date: 18-Sep-2024 01:28:17 Instrument ID: CHAM.i

Lims ID: 200-75119-A-4 Lab Sample ID: 200-75119-4

Client ID: RXSV-6

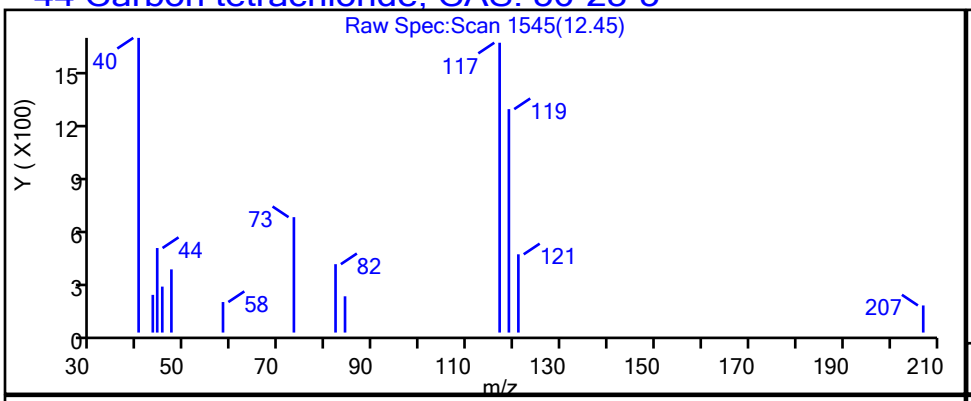
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 22

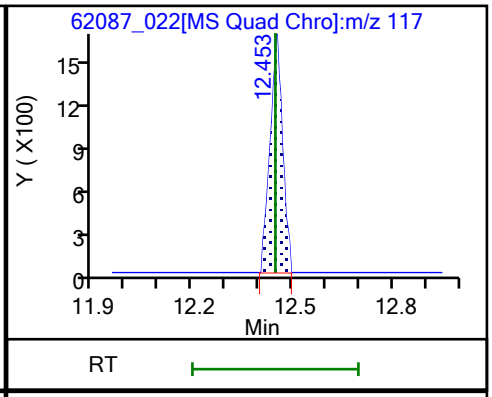
Purge Vol: 200.000 mL Dil. Factor: 1.0000

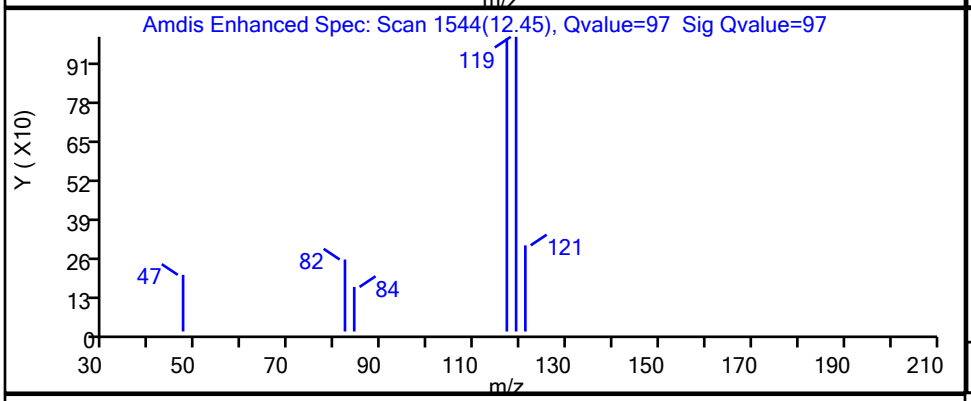
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

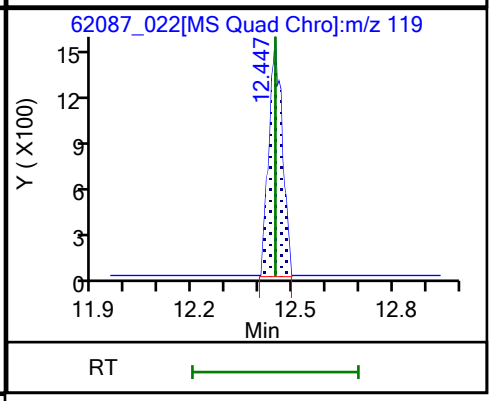
Column: RTX-624 (0.32 mm) Detector MS SCAN

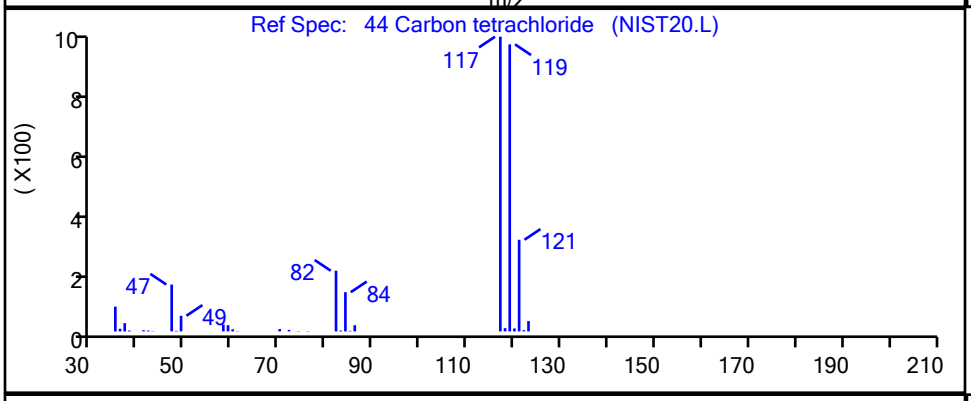
44 Carbon tetrachloride, CAS: 56-23-5

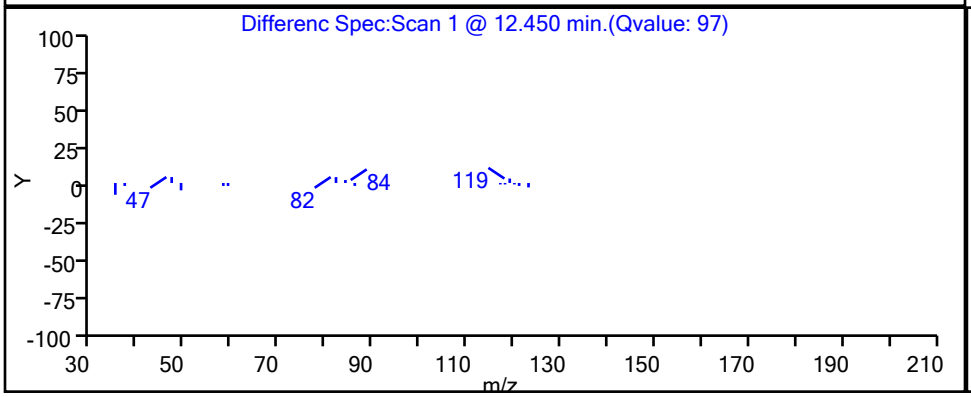


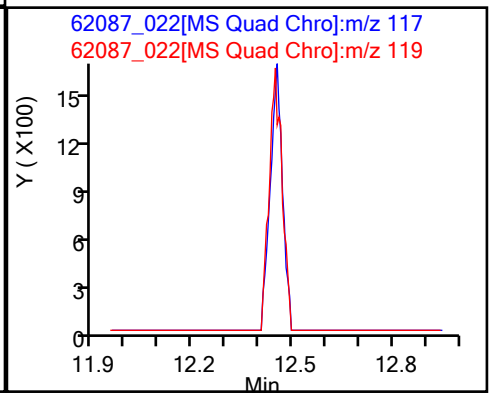












Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

Injection Date: 18-Sep-2024 01:28:17 Instrument ID: CHAM.i

Lims ID: 200-75119-A-4 Lab Sample ID: 200-75119-4

Client ID: RXSV-6

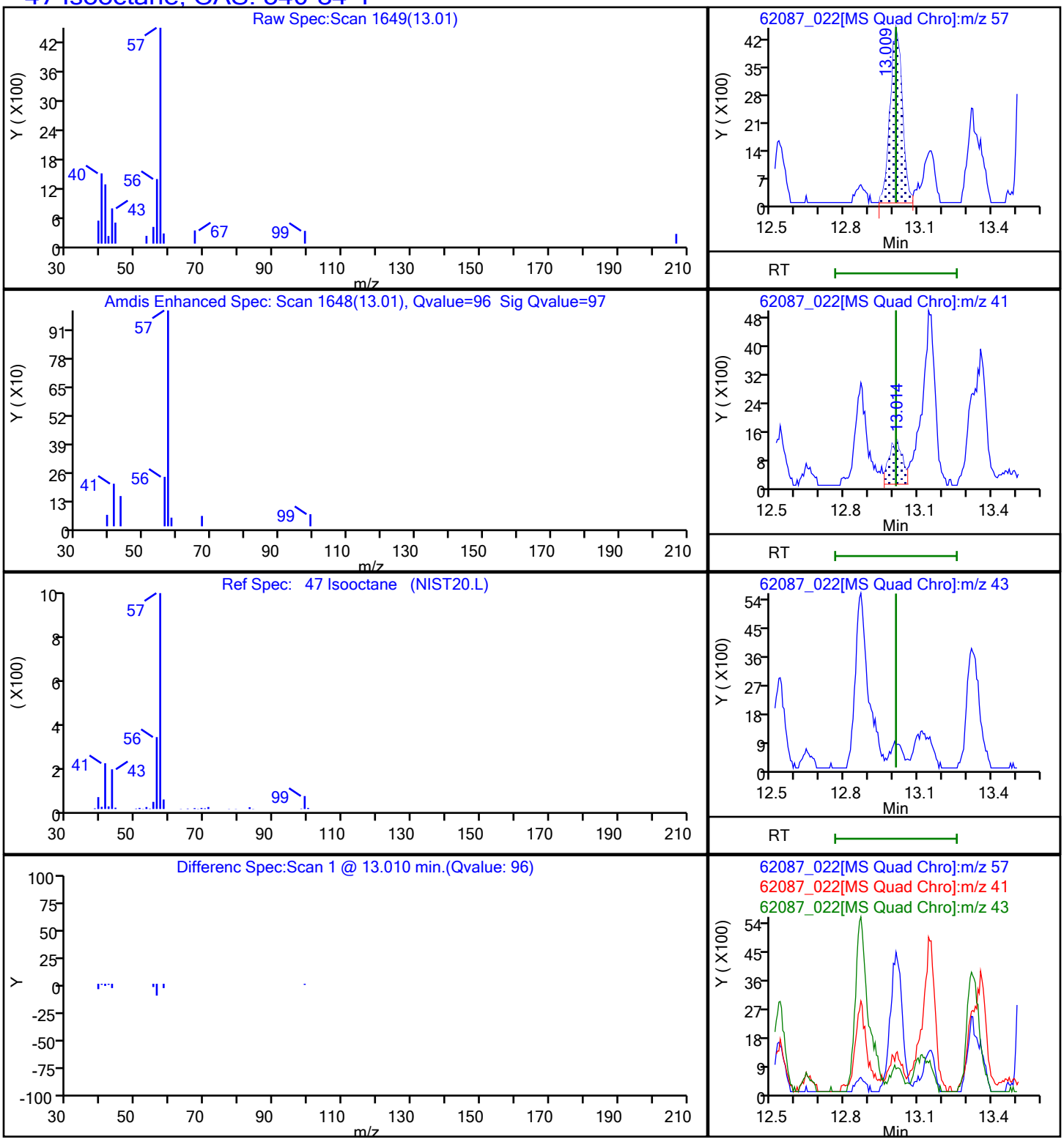
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 22

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

47 Isooctane, CAS: 540-84-1



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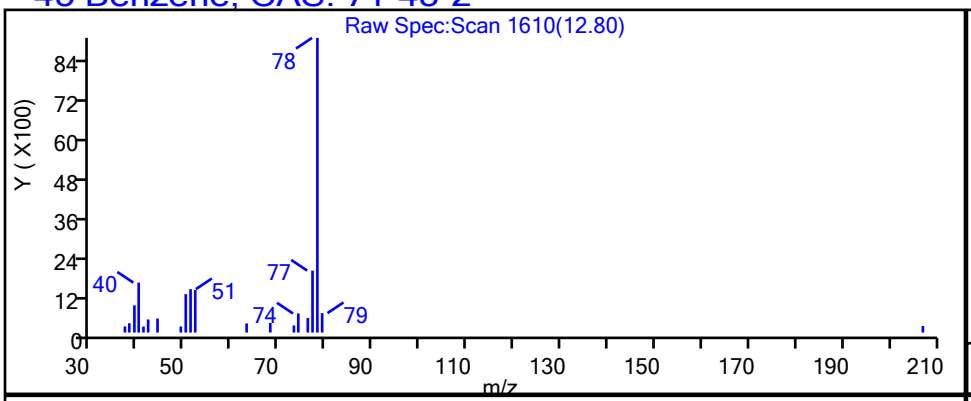
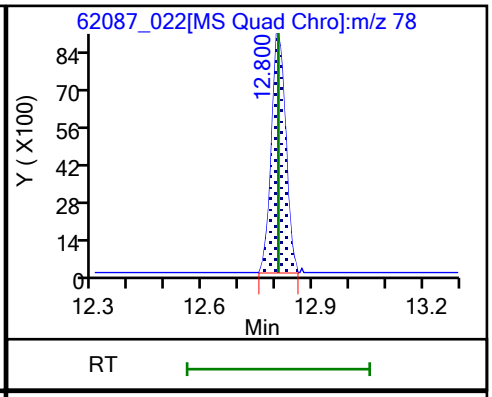
Eurofins Burlington

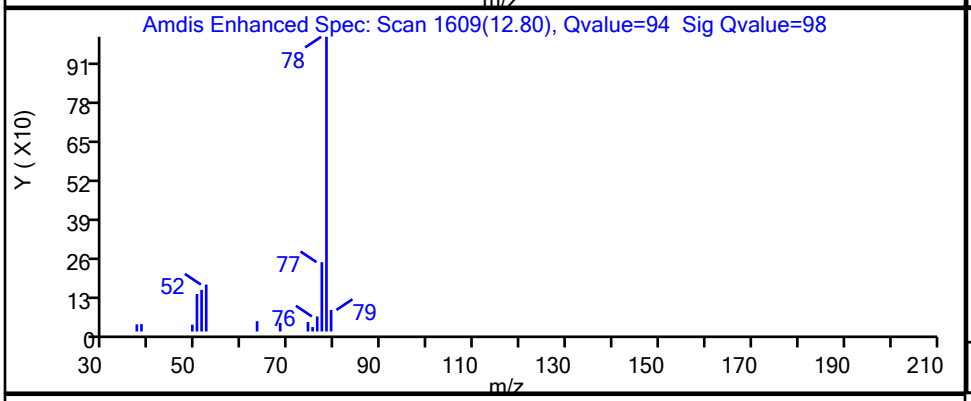
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

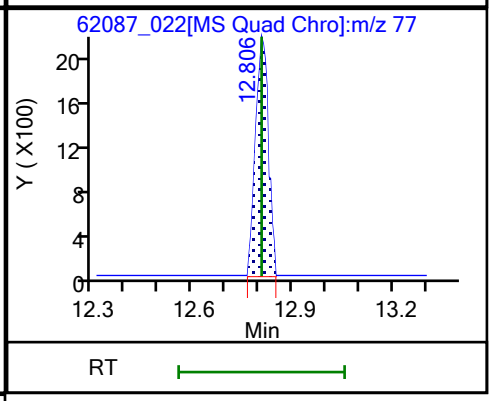
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

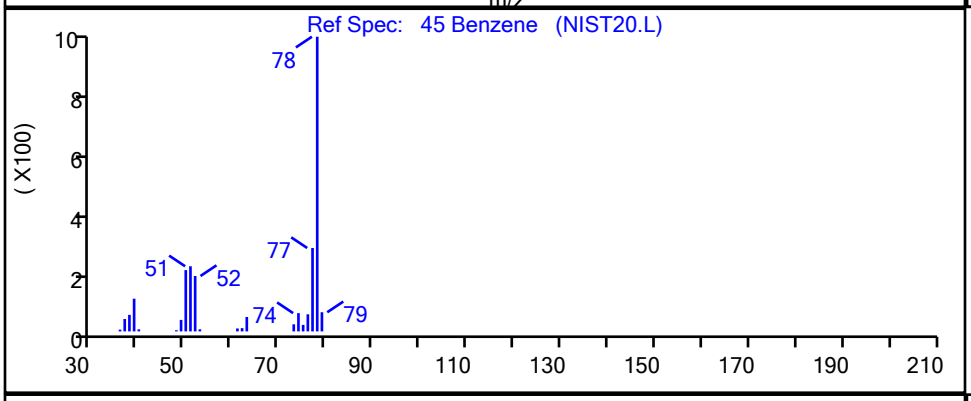
45 Benzene, CAS: 71-43-2

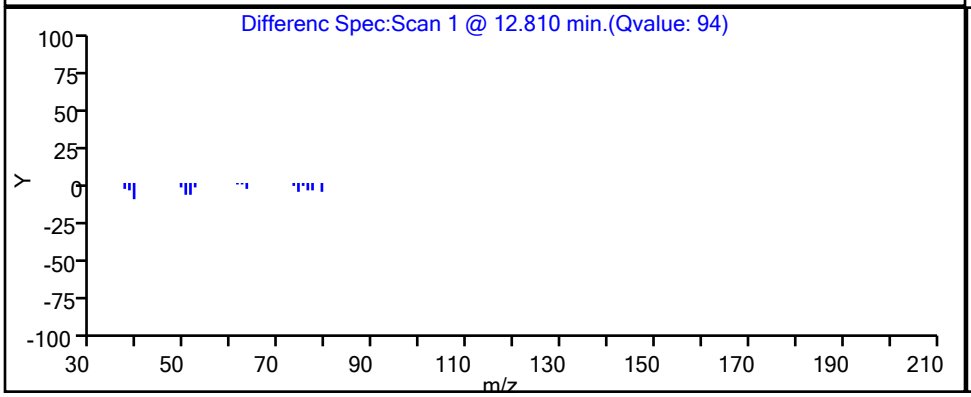


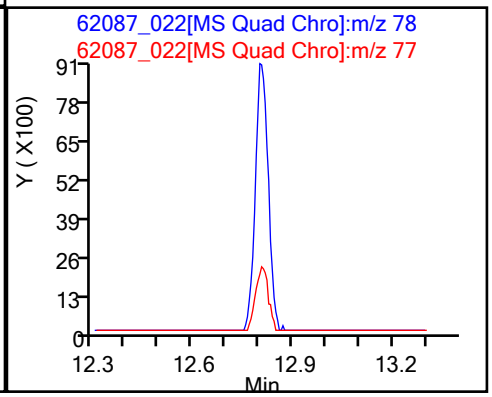












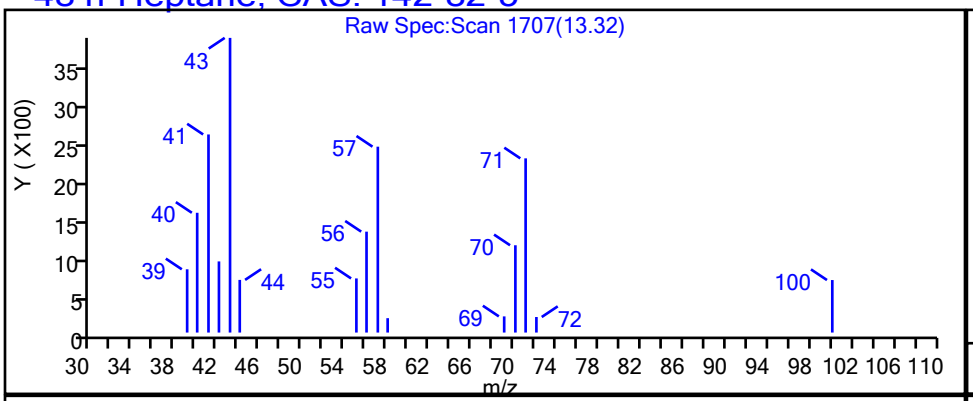
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

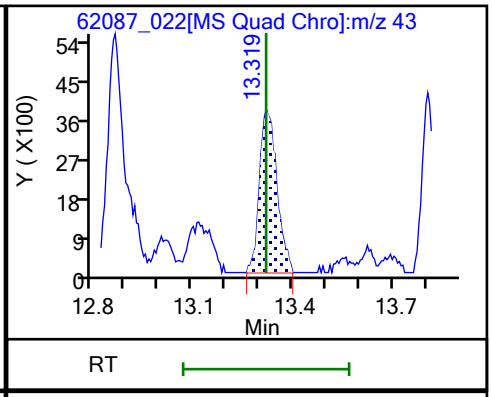
Eurofins Burlington

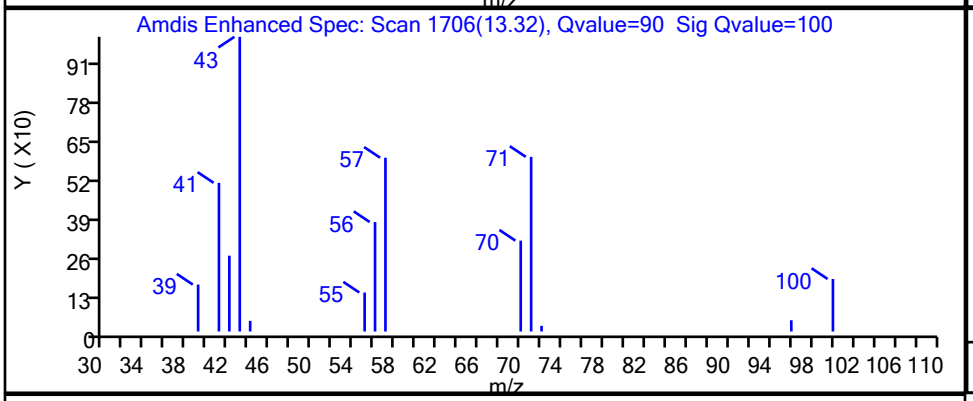
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

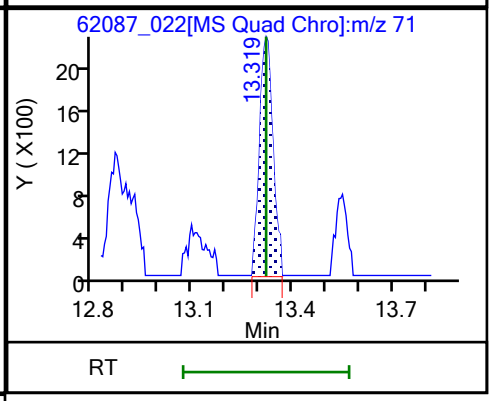
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

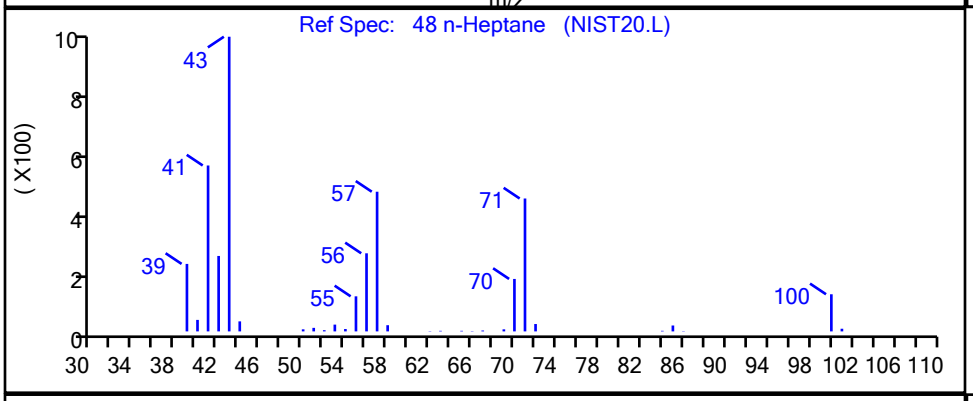
48 n-Heptane, CAS: 142-82-5

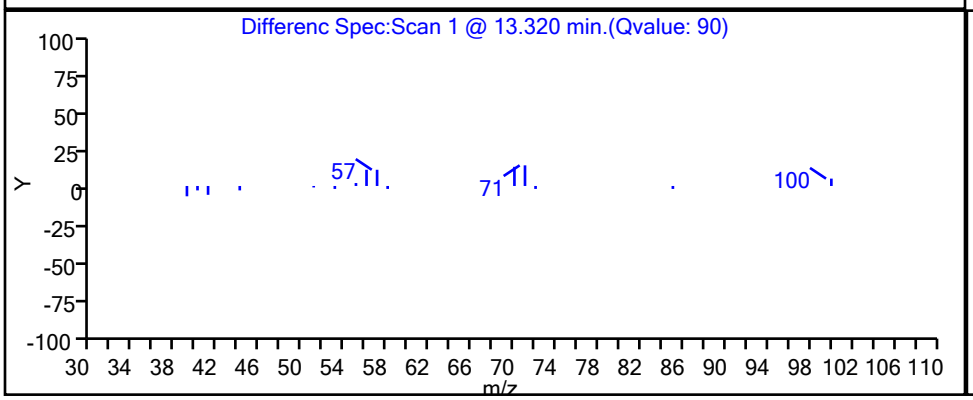


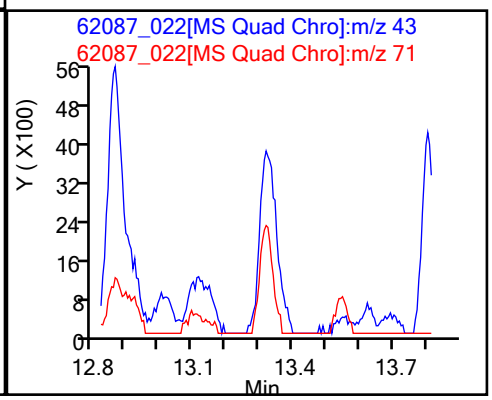












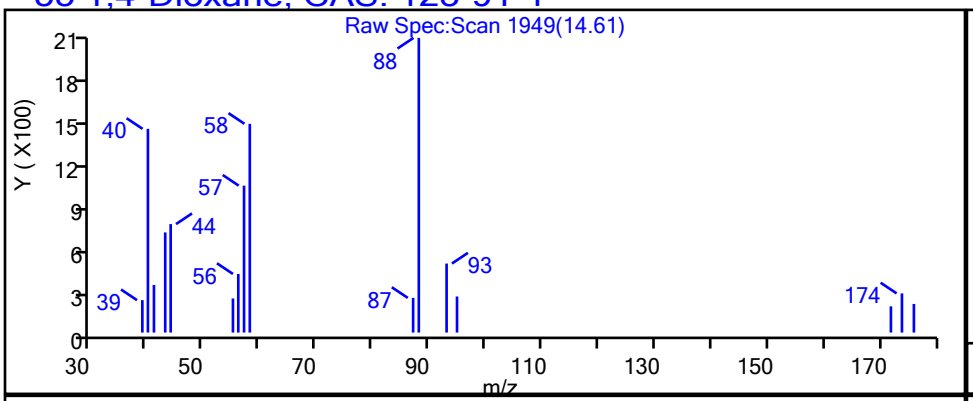
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

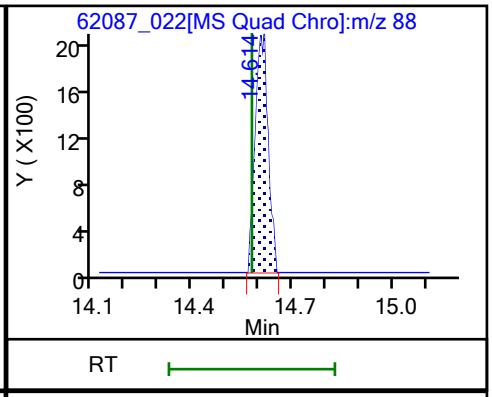
Eurofins Burlington

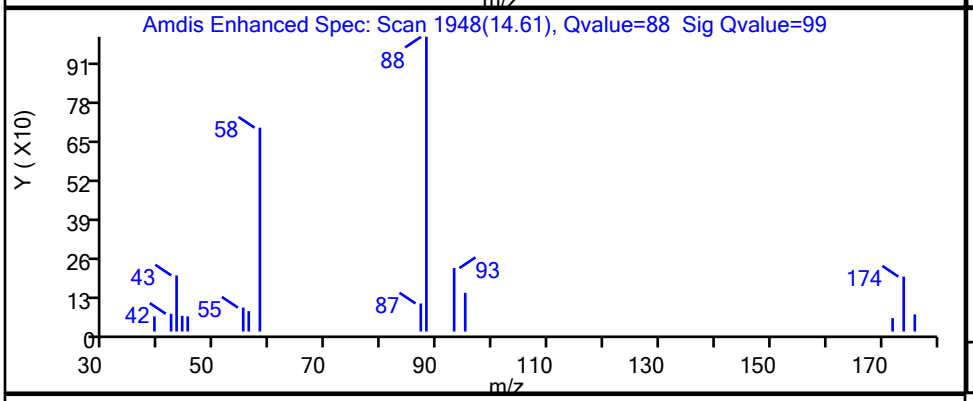
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

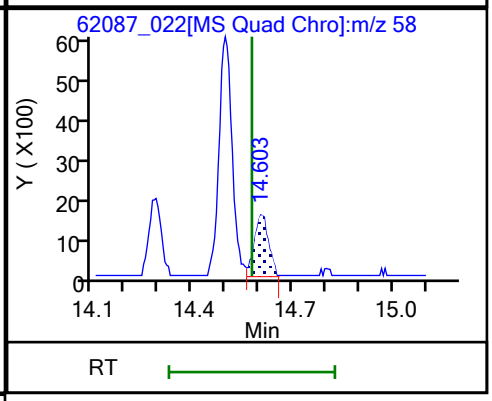
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

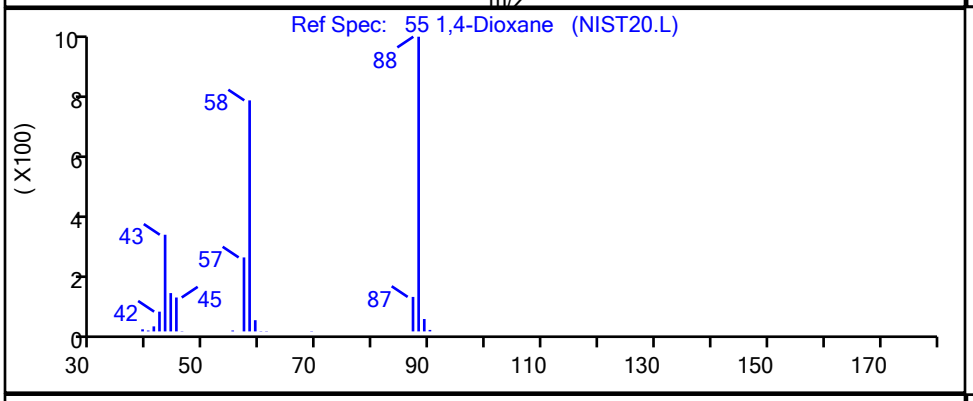
55 1,4-Dioxane, CAS: 123-91-1

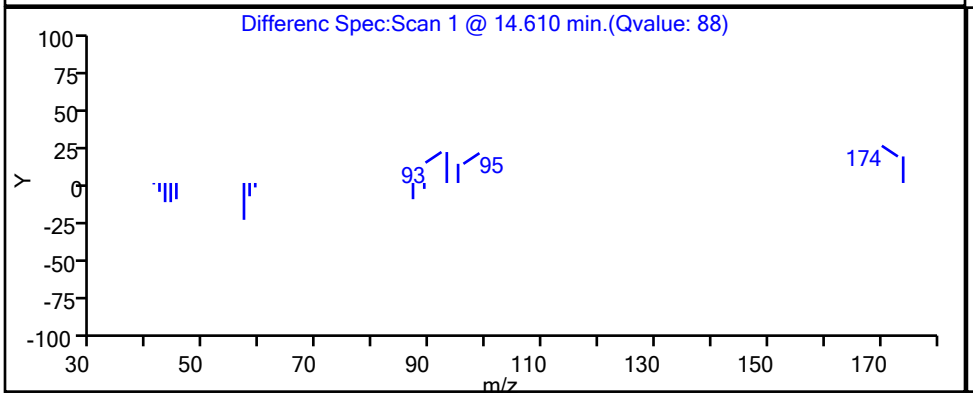


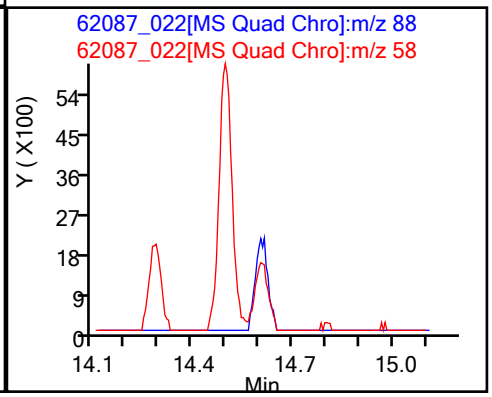












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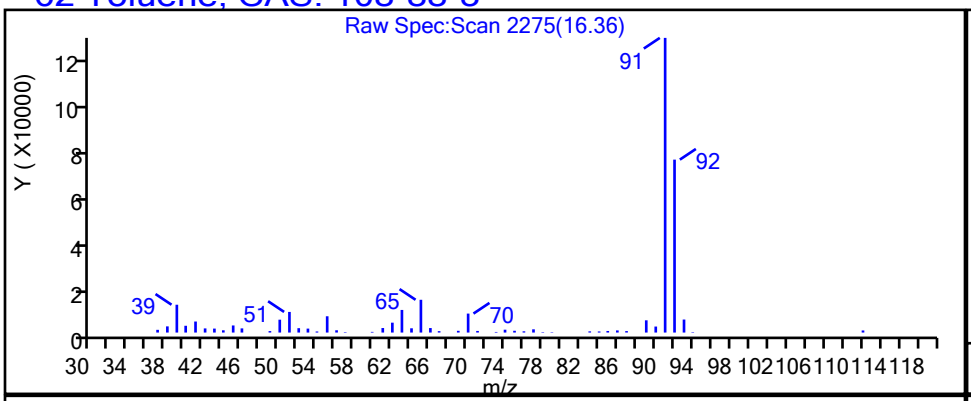
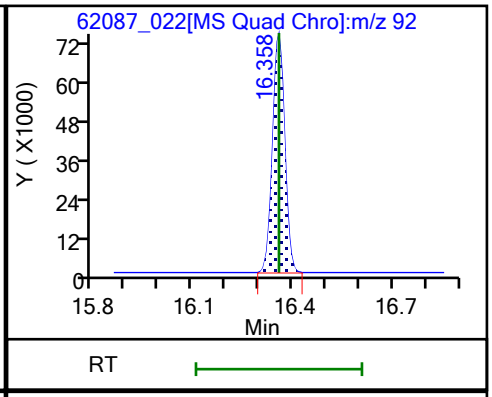
Eurofins Burlington

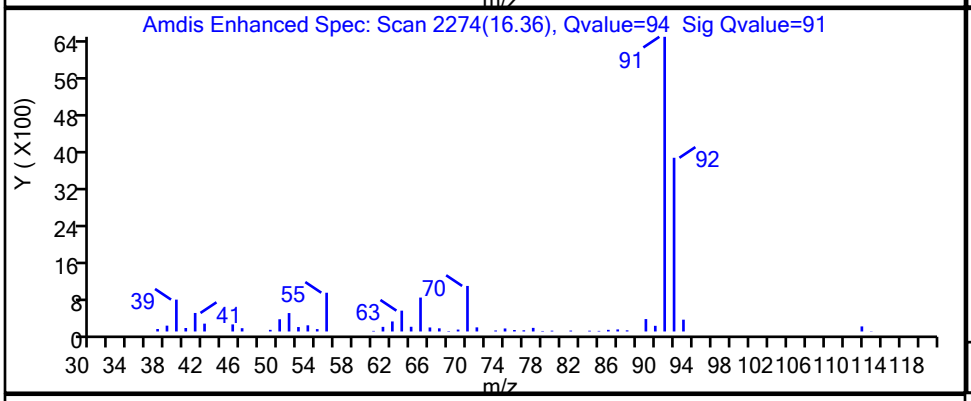
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

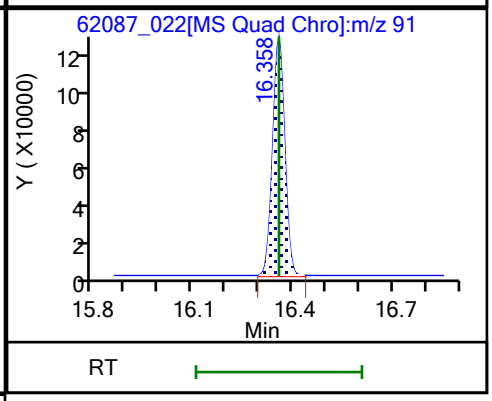
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

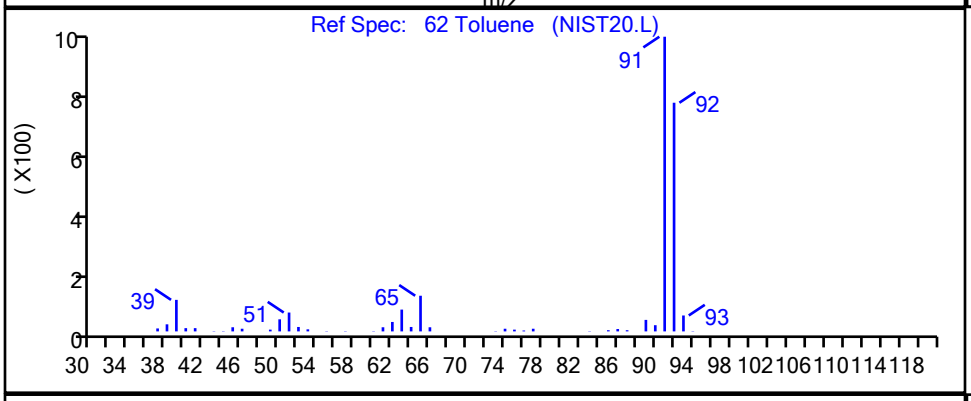
62 Toluene, CAS: 108-88-3

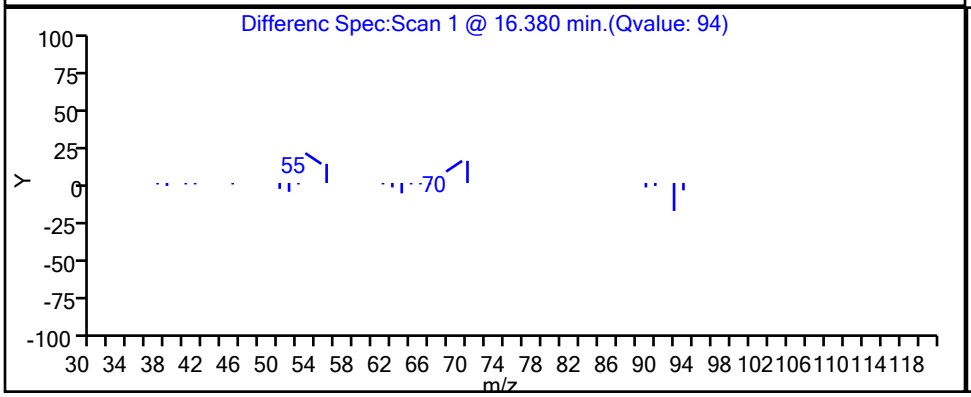


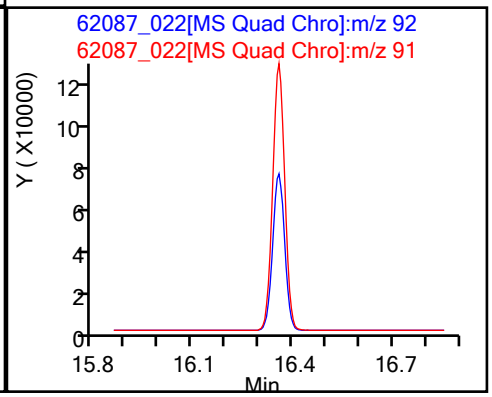












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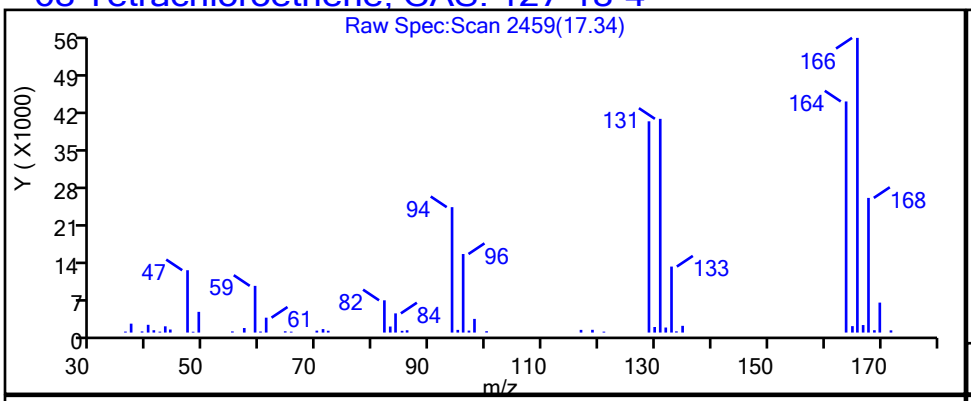
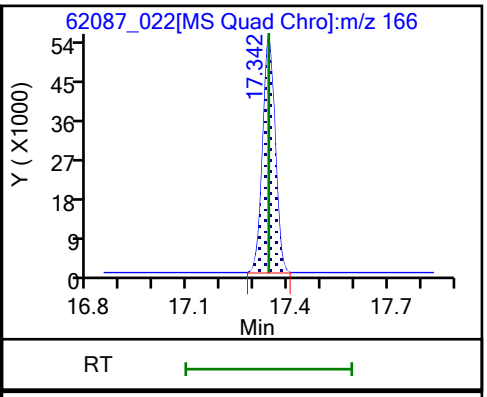
Eurofins Burlington

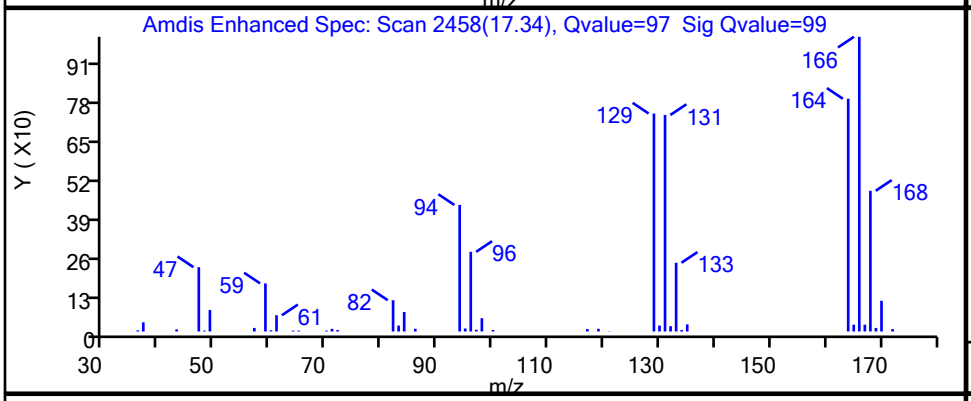
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

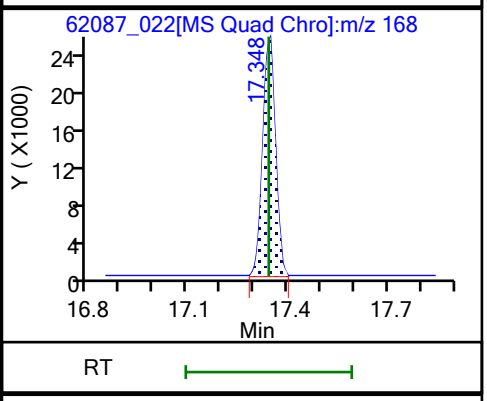
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

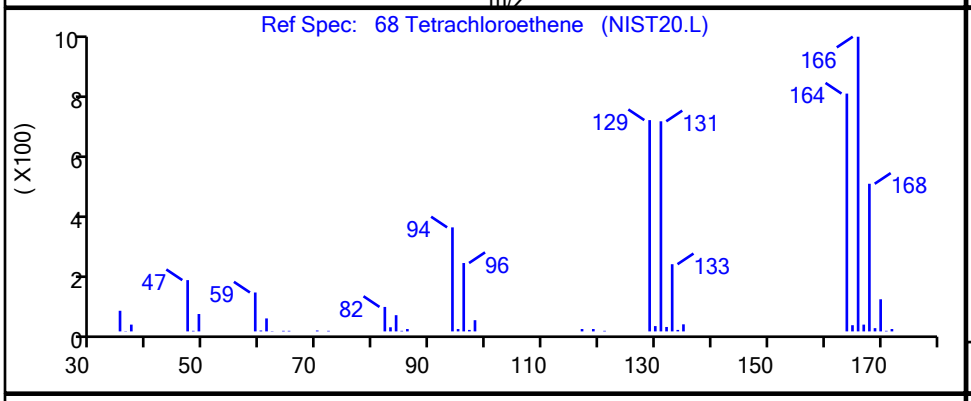
68 Tetrachloroethene, CAS: 127-18-4

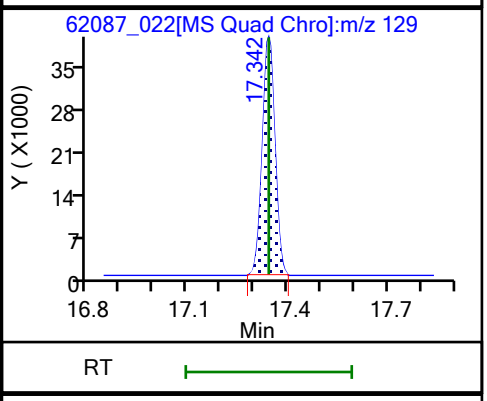


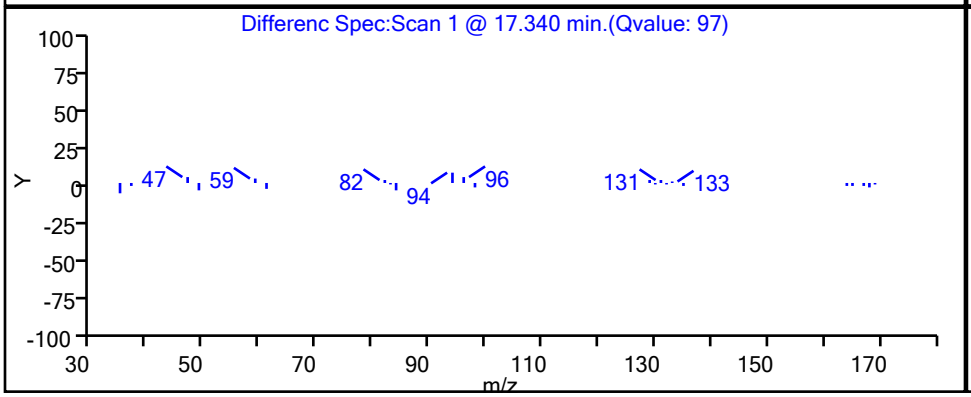


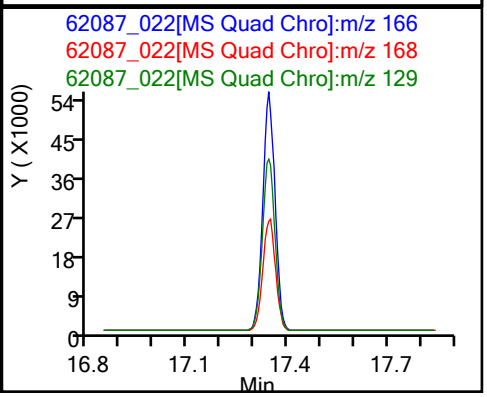












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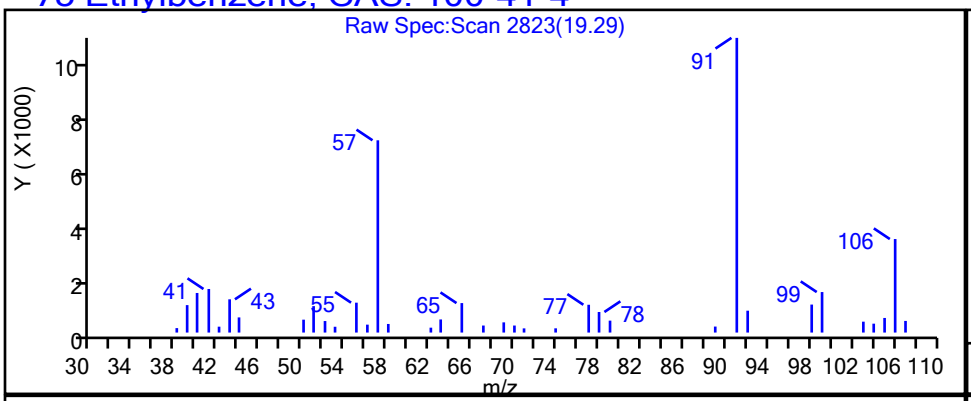
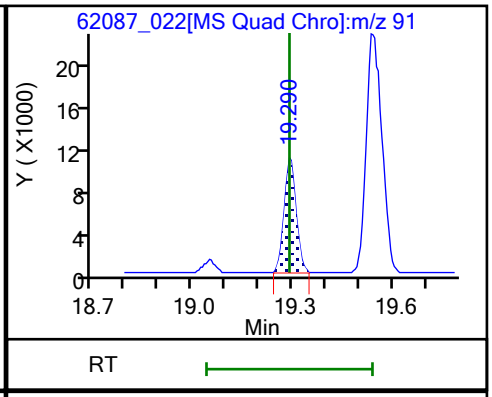
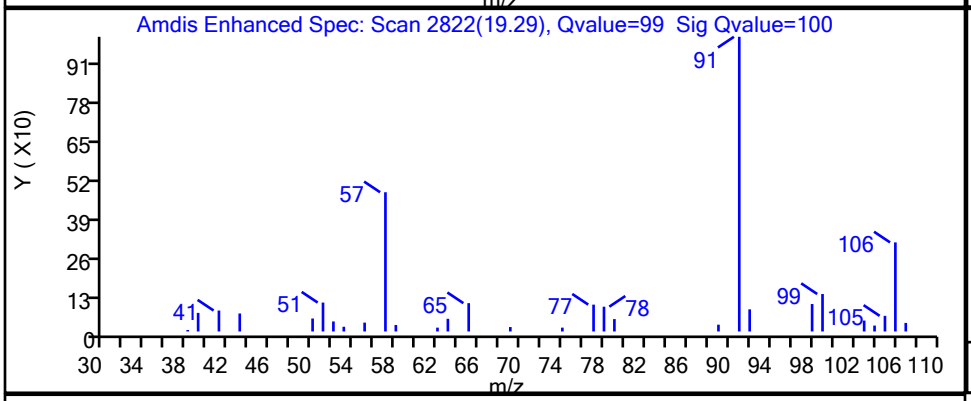
Eurofins Burlington

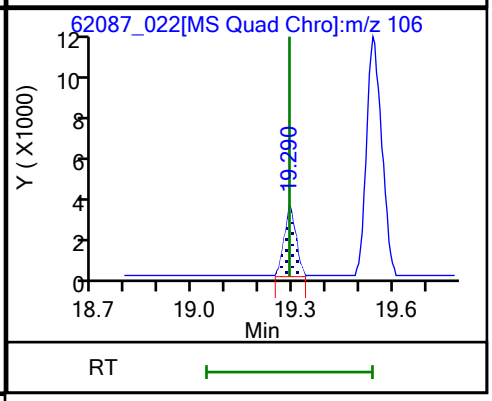
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

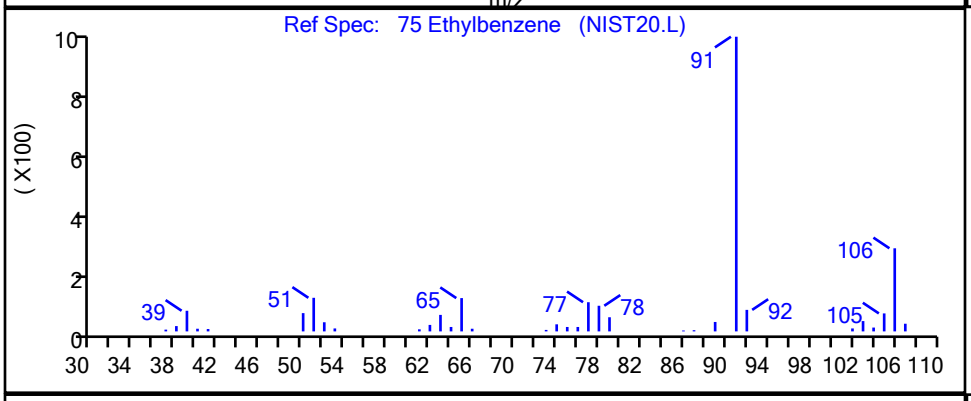
75 Ethylbenzene, CAS: 100-41-4

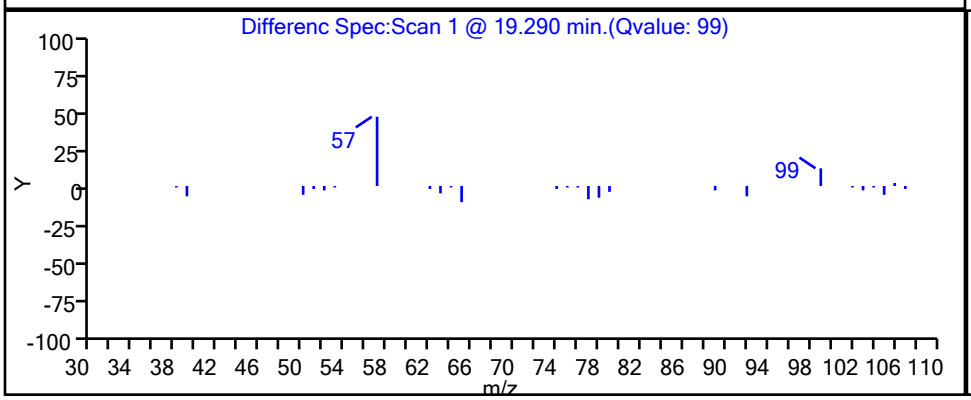


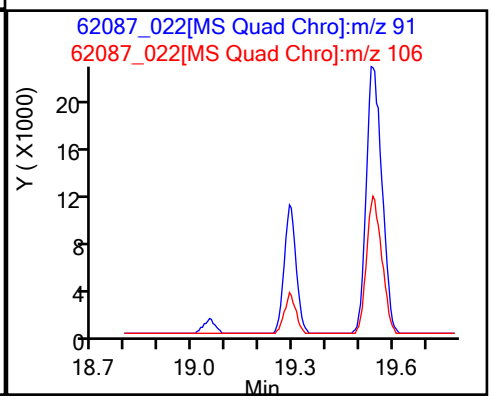










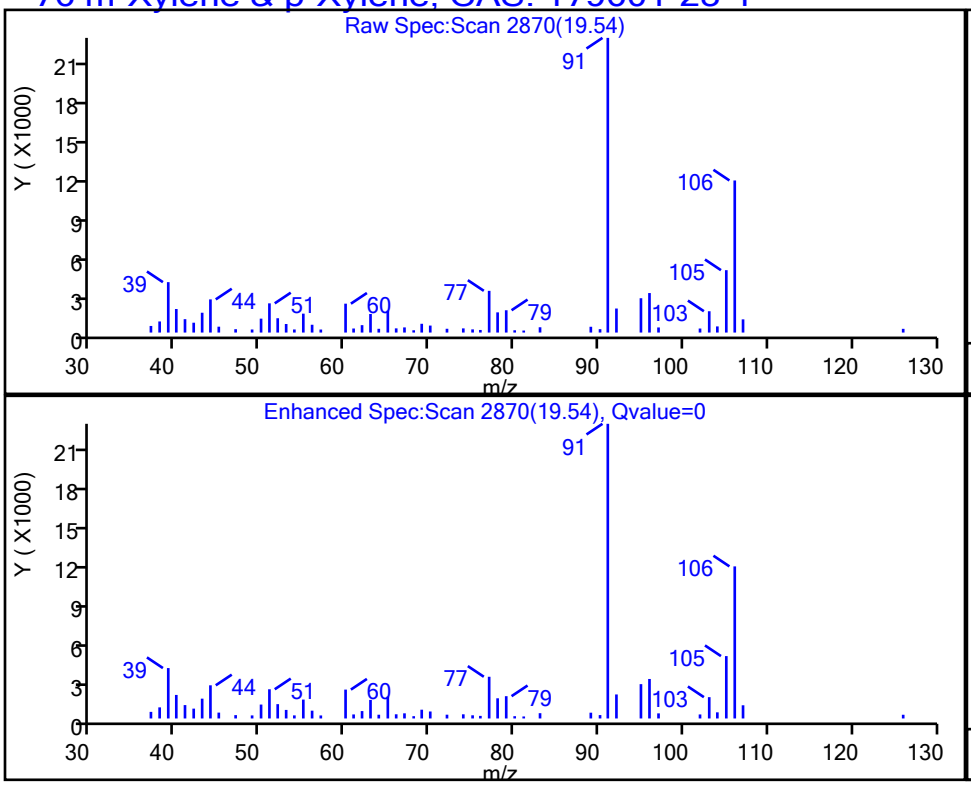


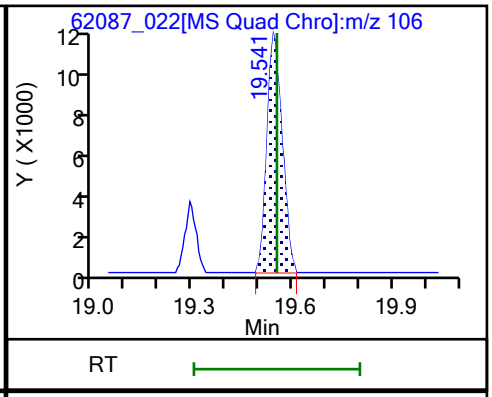
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

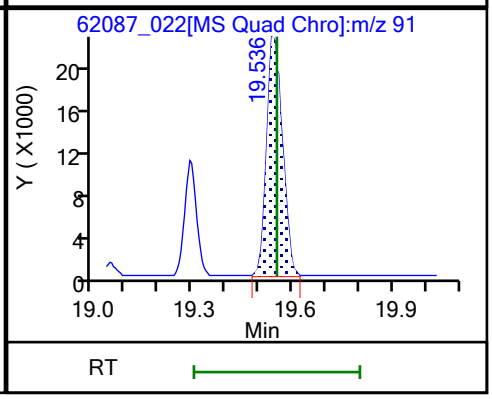
Eurofins Burlington

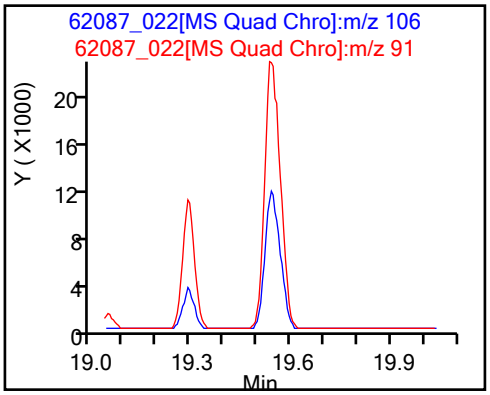
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1









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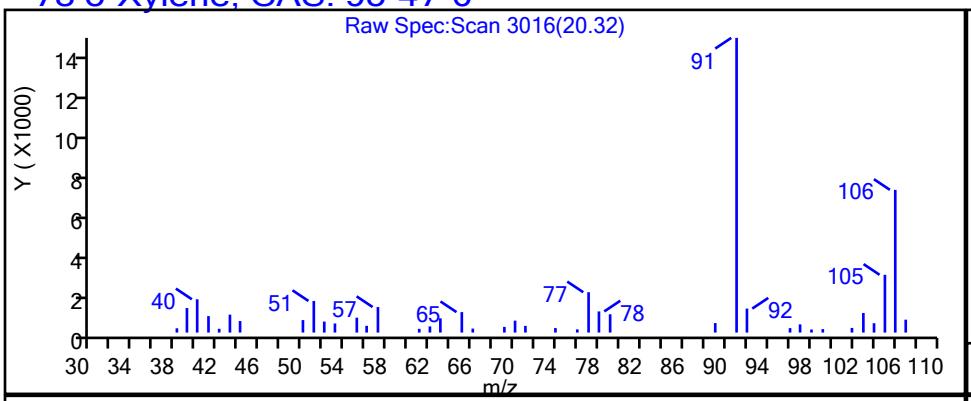
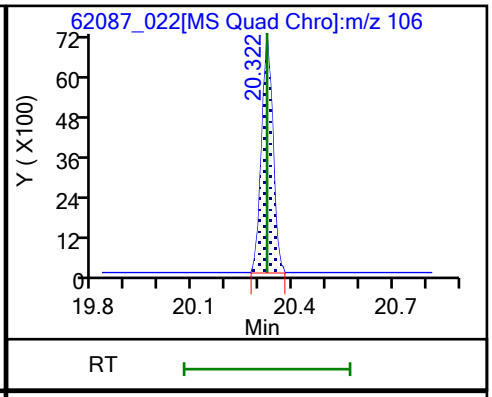
Eurofins Burlington

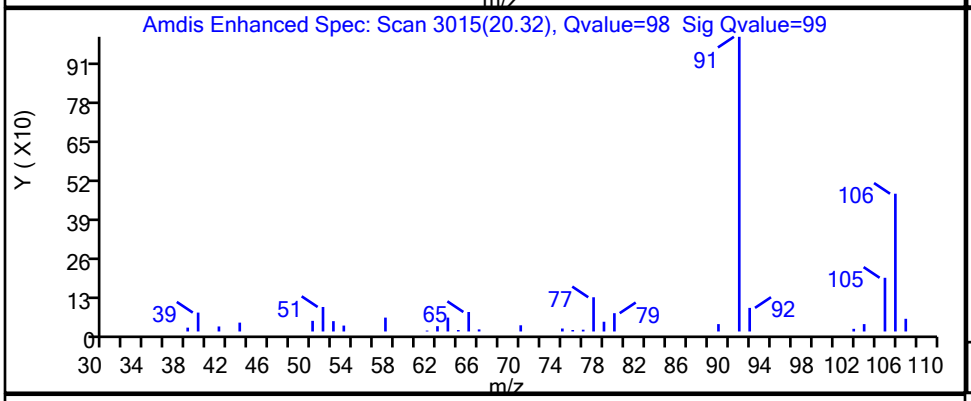
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D

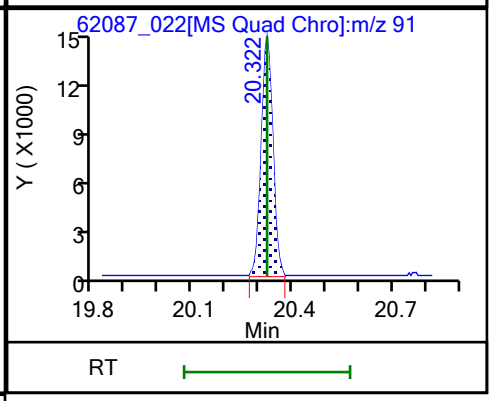
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

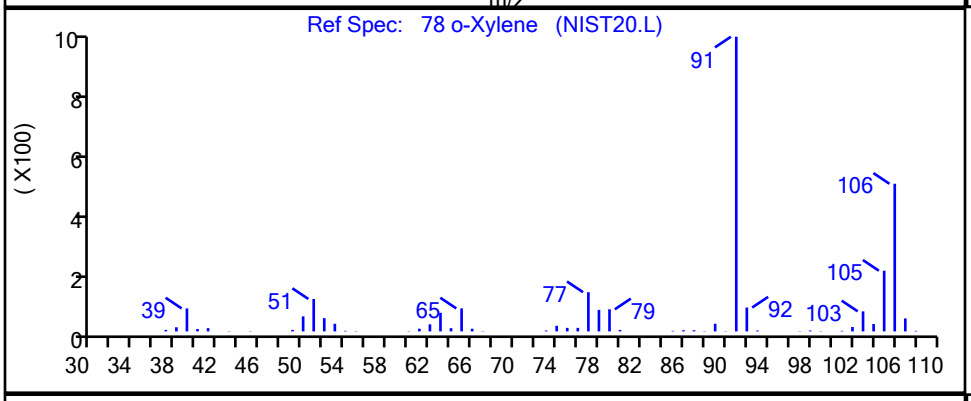
78 o-Xylene, CAS: 95-47-6

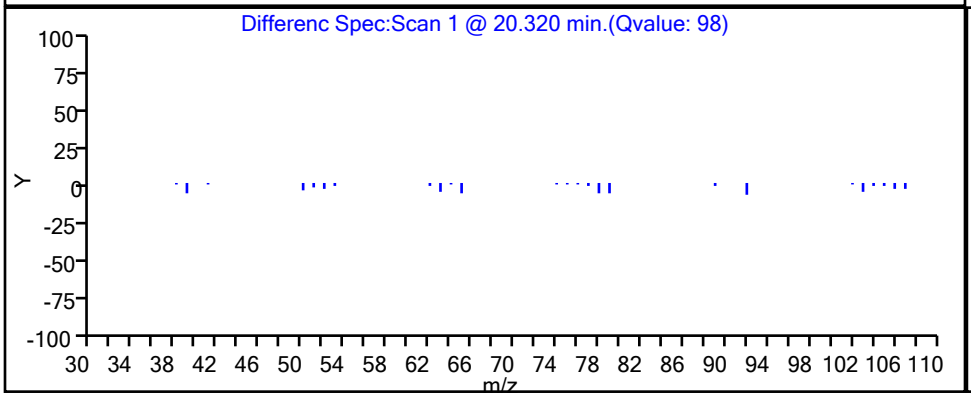


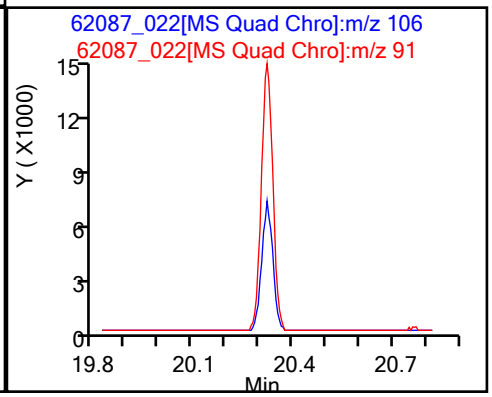










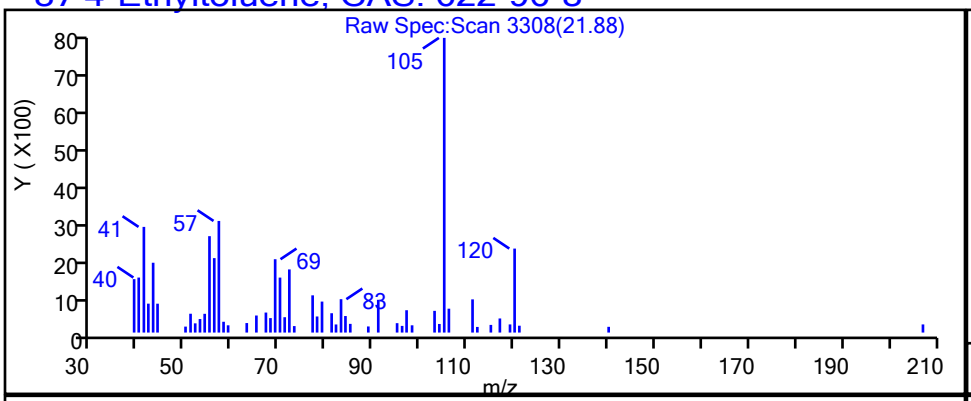


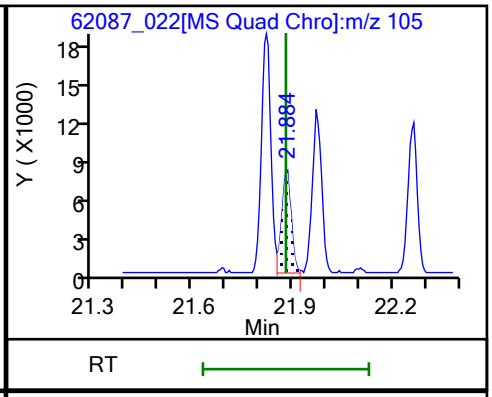
Report Date: 18-Sep-2024 14:07:38 Chrom Revision: 2.3 26-Aug-2024 17:14:48

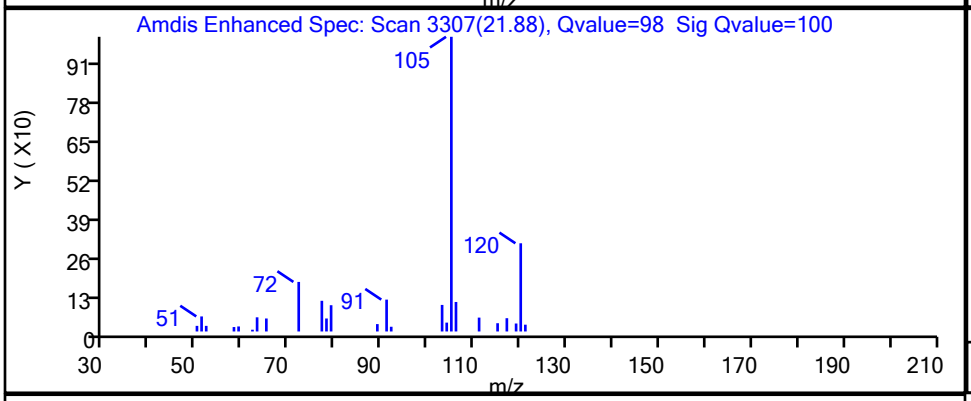
Eurofins Burlington

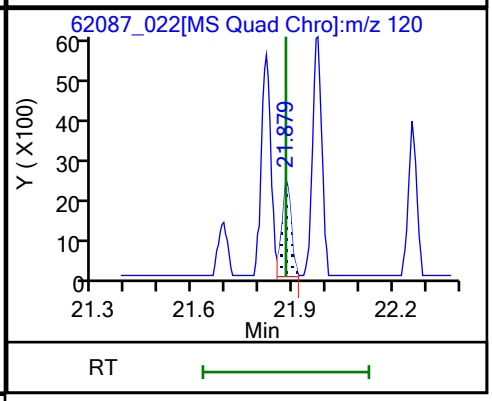
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

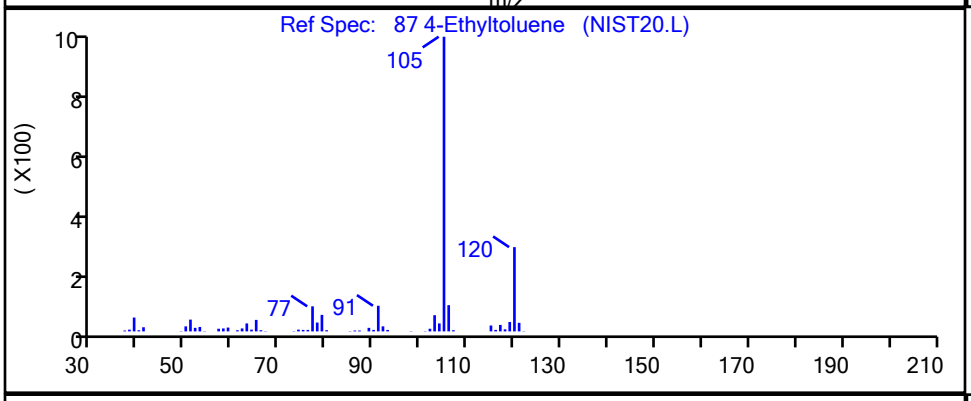
87 4-Ethyltoluene, CAS: 622-96-8

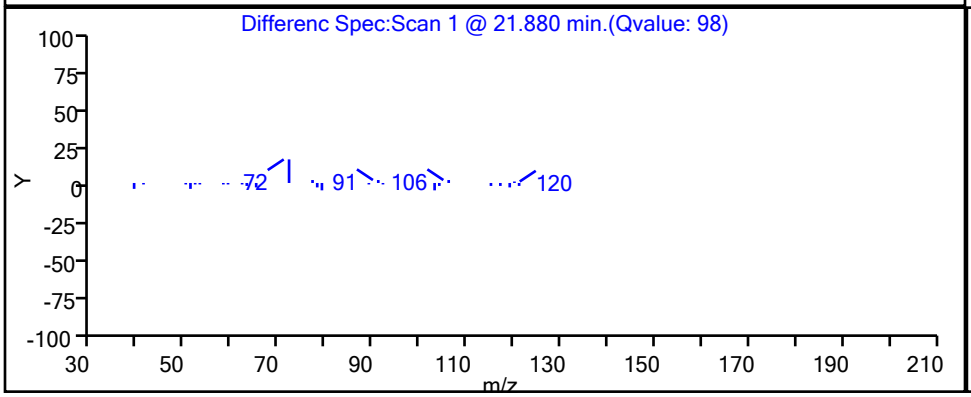


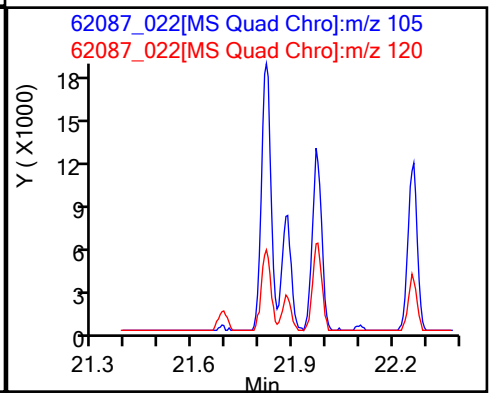










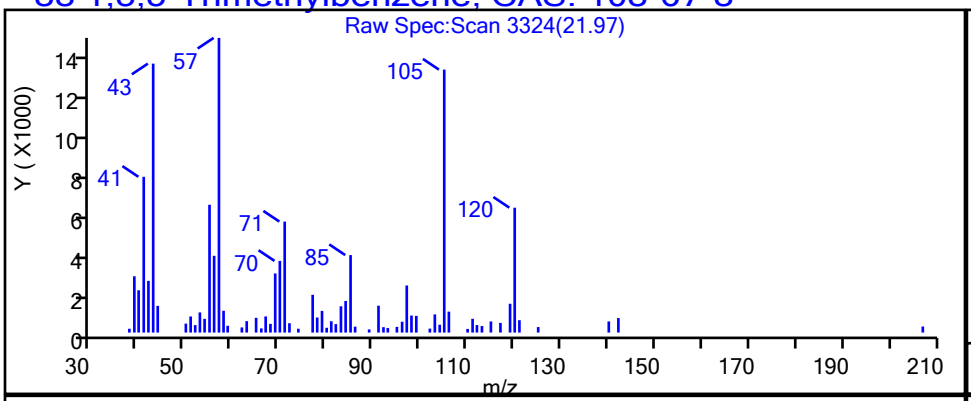


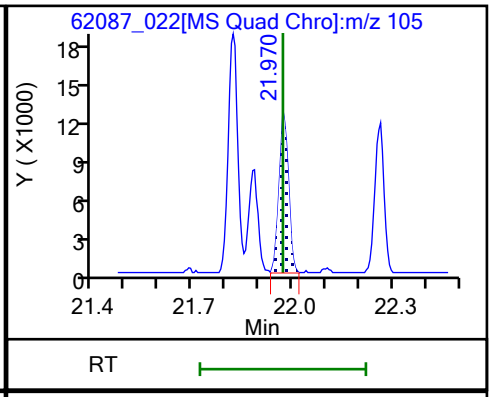
Report Date: 18-Sep-2024 14:07:39 Chrom Revision: 2.3 26-Aug-2024 17:14:48

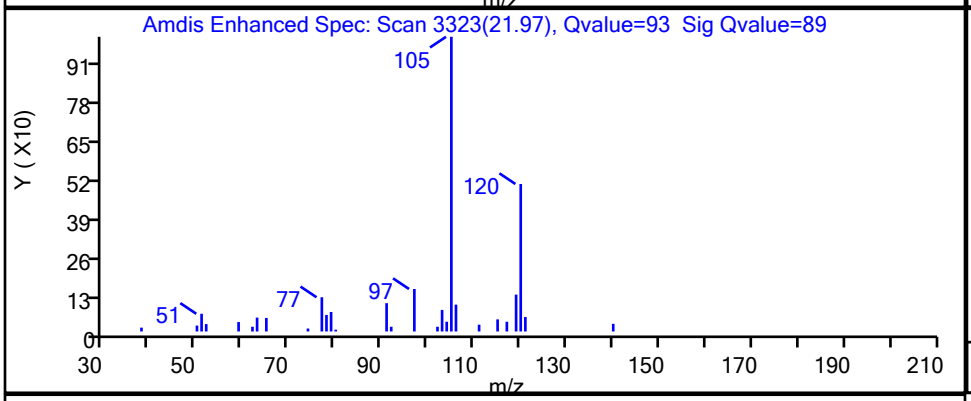
Eurofins Burlington

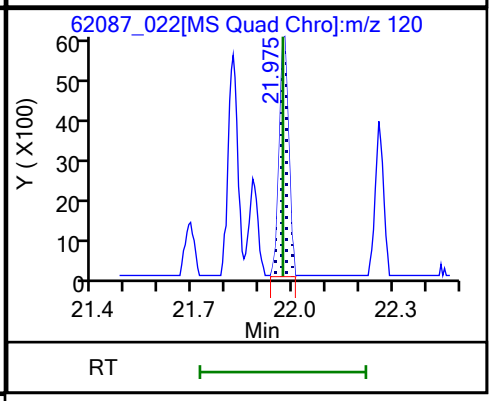
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

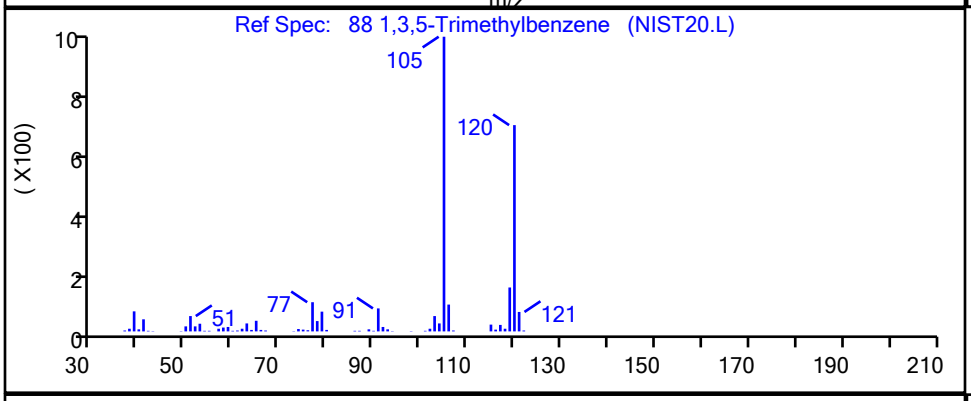
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

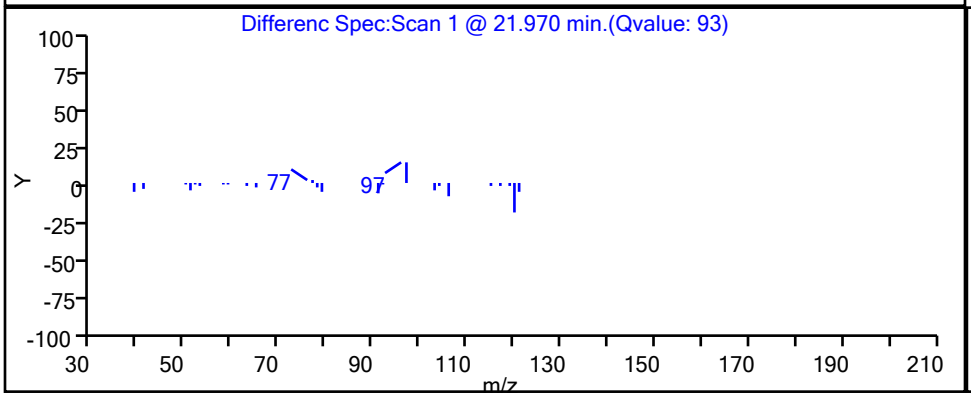


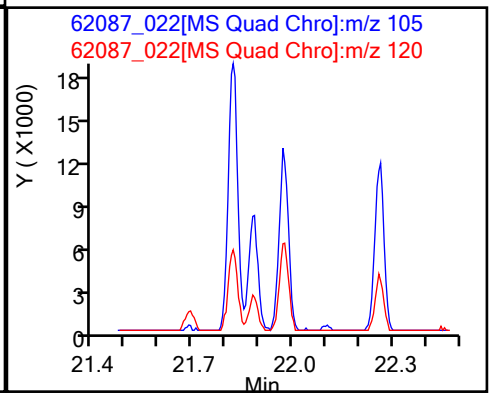










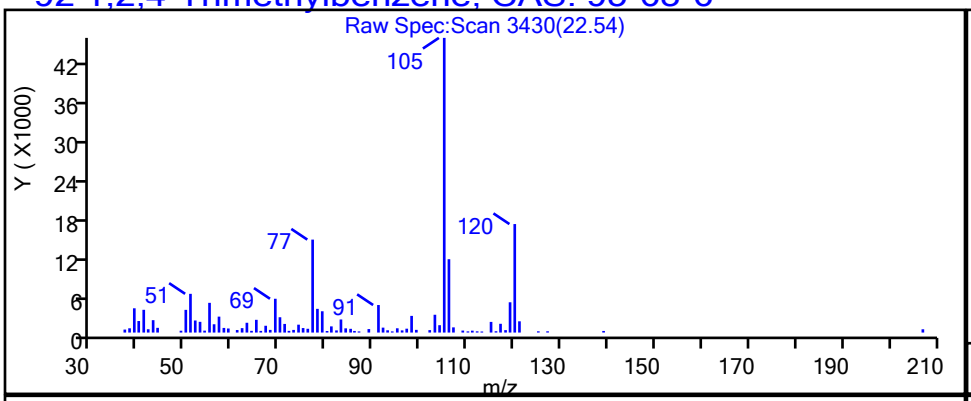


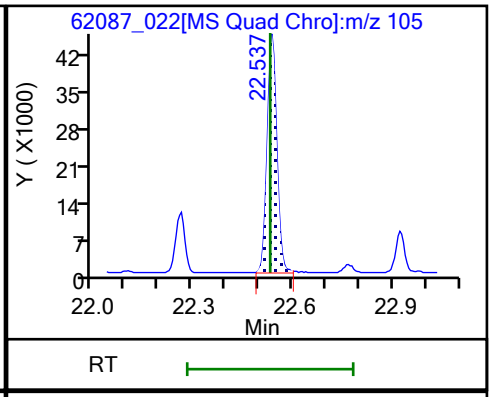
Report Date: 18-Sep-2024 14:07:39 Chrom Revision: 2.3 26-Aug-2024 17:14:48

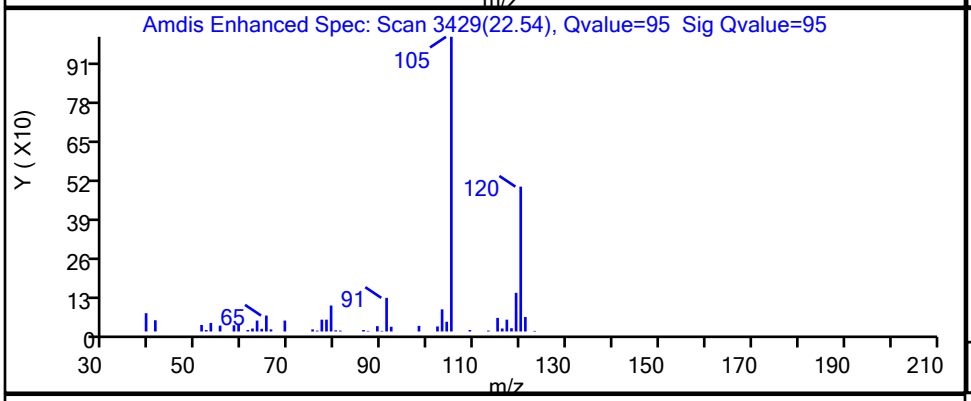
Eurofins Burlington

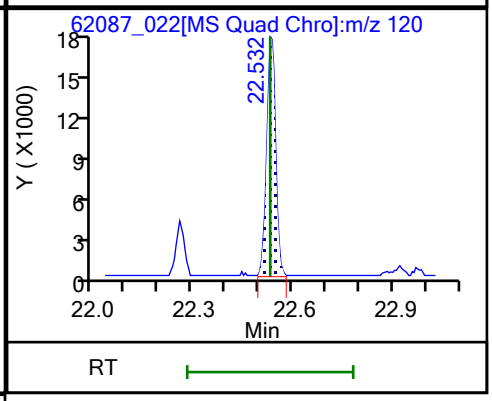
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

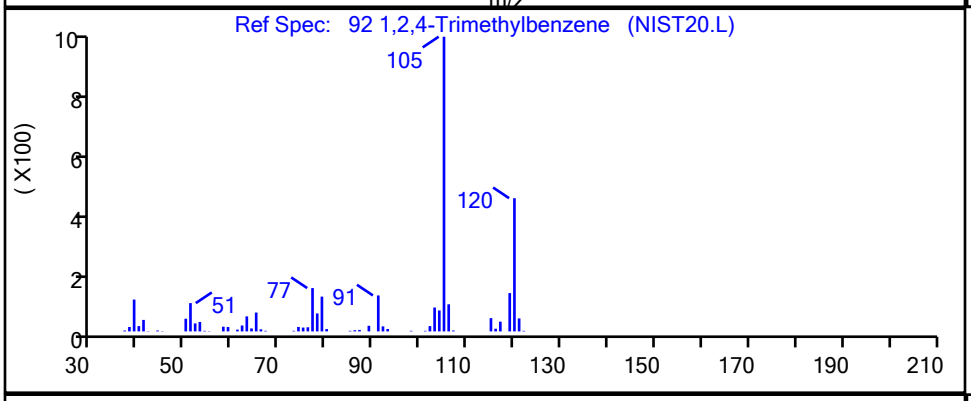
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

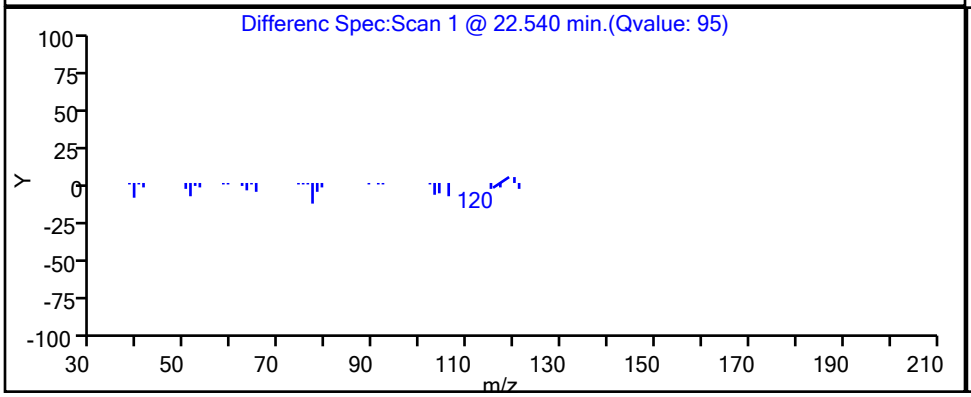


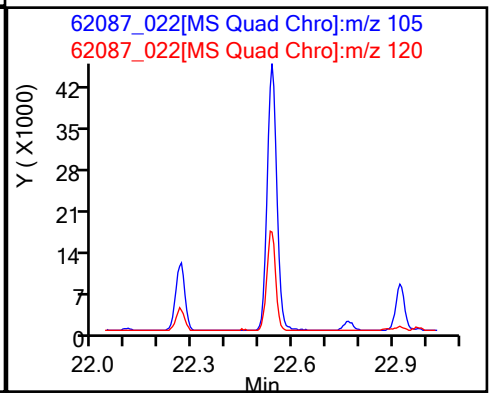












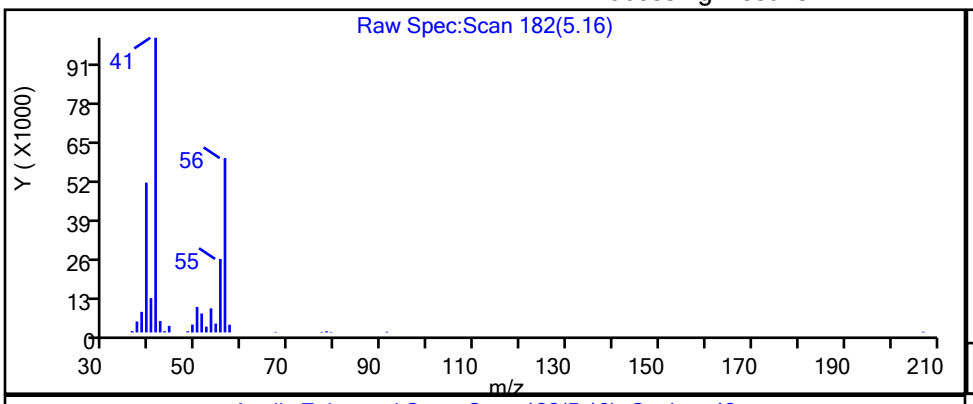
User Disabled Compound Report

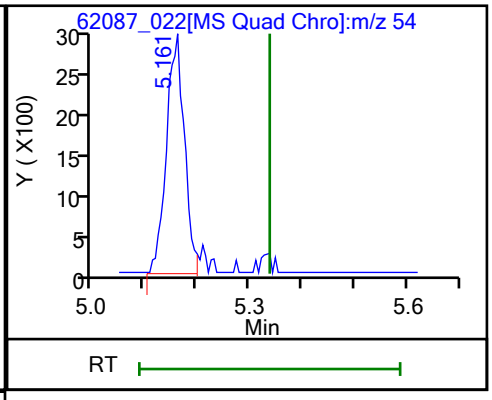
Eurofins Burlington

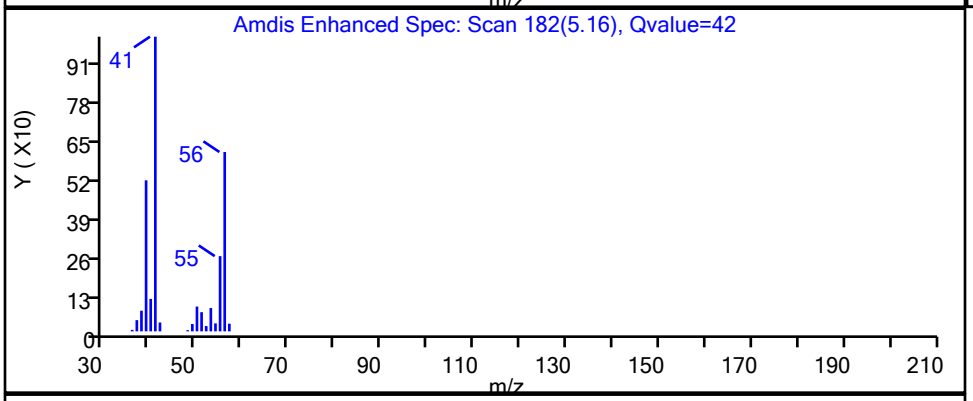
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

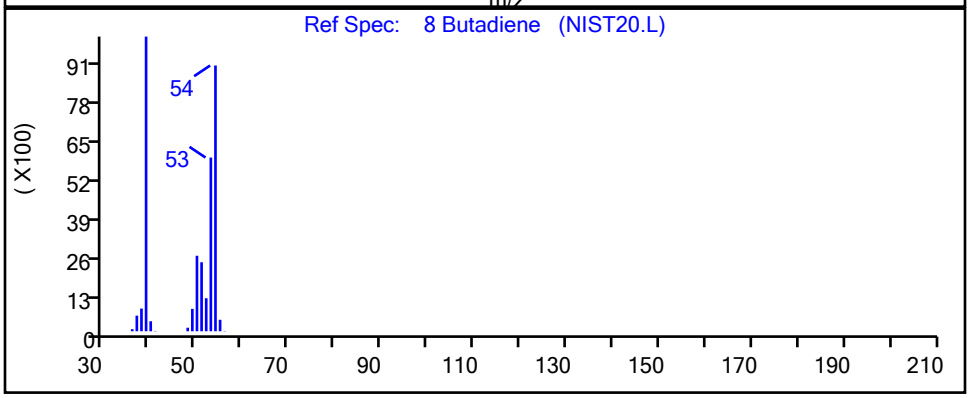
8 Butadiene, CAS: 106-99-0

Processing Results









RT	Mass	Response	Amount
5.16	54.00	7064	0.183714

Reviewer: F7XK, 18-Sep-2024 14:03:29 07:00:00 (UTC)

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

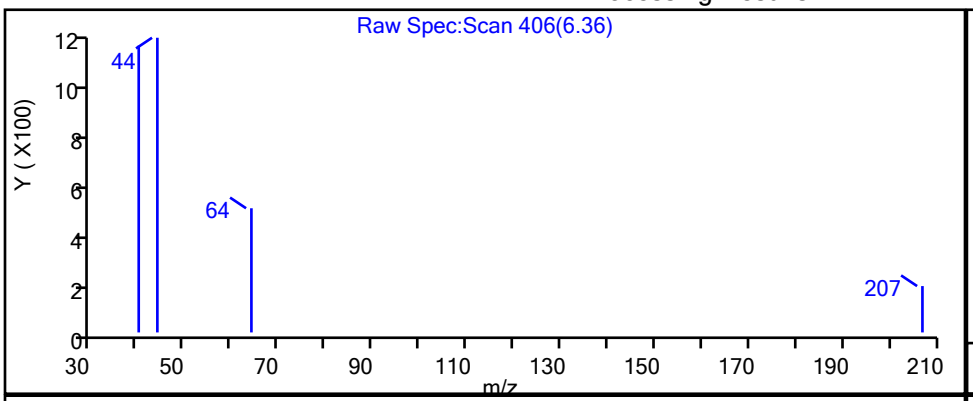
User Disabled Compound Report

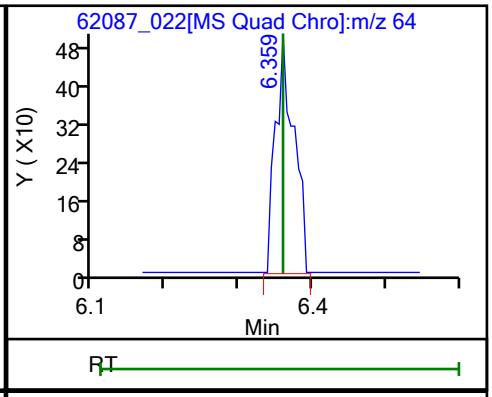
Eurofins Burlington

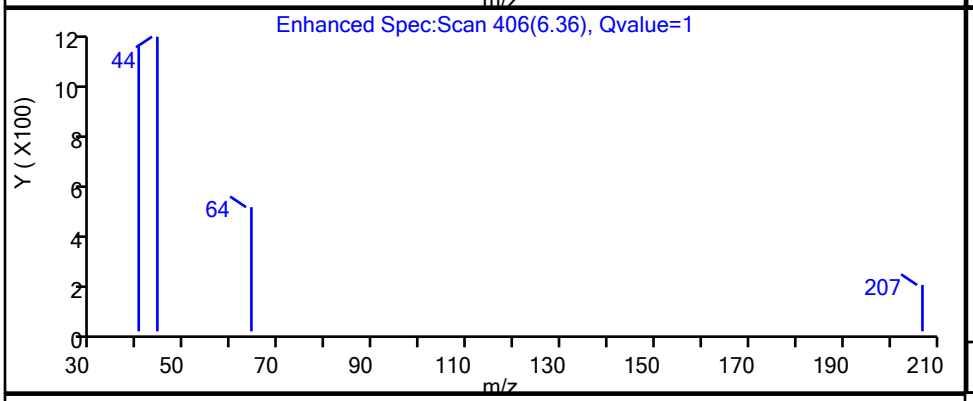
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

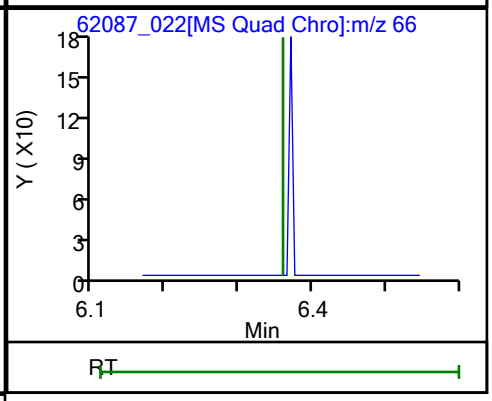
10 Chloroethane, CAS: 75-00-3

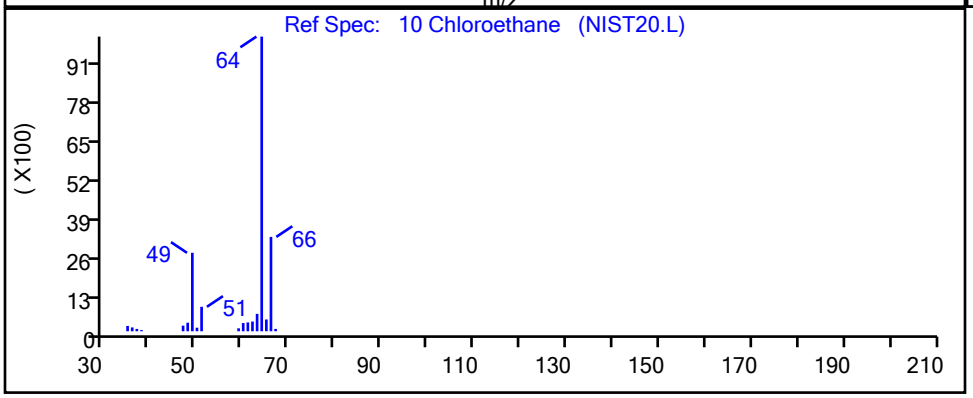
Processing Results











RT	Mass	Response	Amount
6.36	64.00	870	0.032098
6.36	66.00	0	

Reviewer: F7XK, 18-Sep-2024 14:03:43 07:00:00 (UTC)

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

Eurofins Burlington

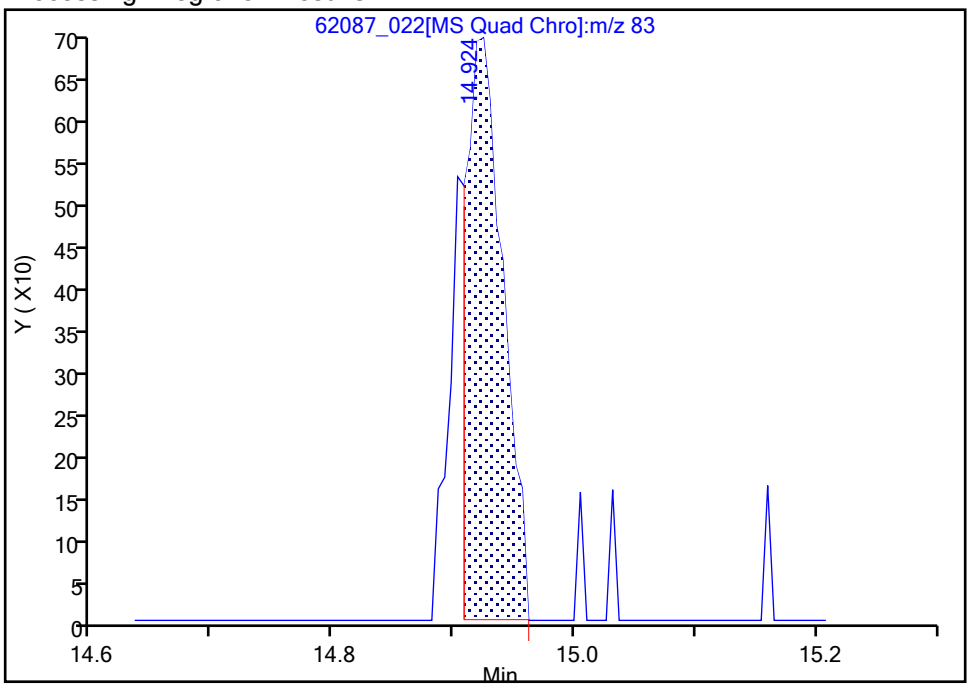
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

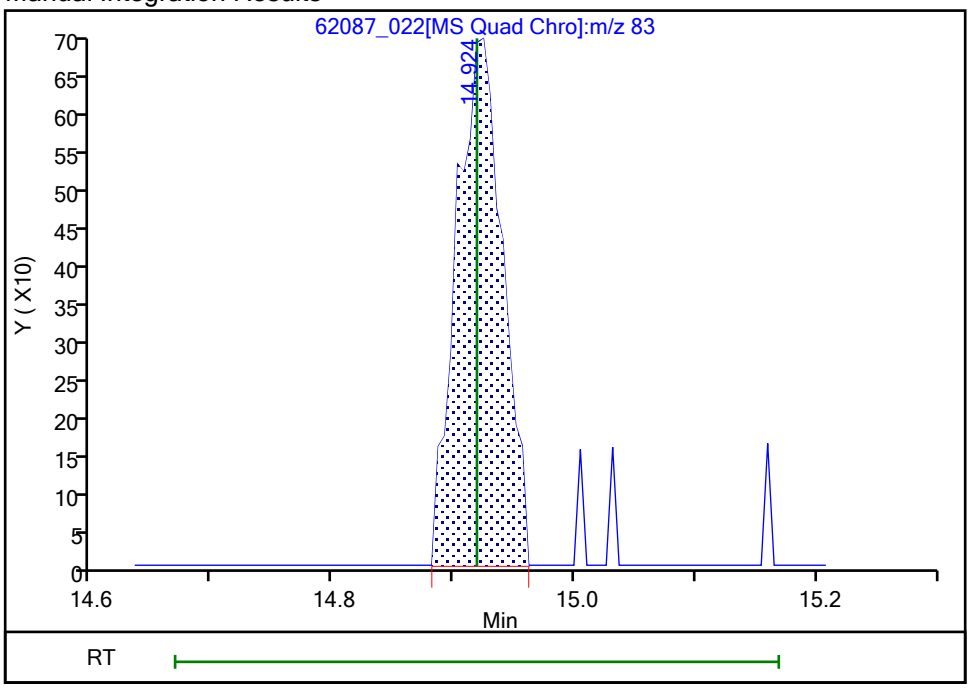
Processing Integration Results

RT: 14.92
Area: 1495
Amount: 0.011655
Amount Units: ppb v/v



Manual Integration Results

RT: 14.92
Area: 1864
Amount: 0.014532
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 14:04:55 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

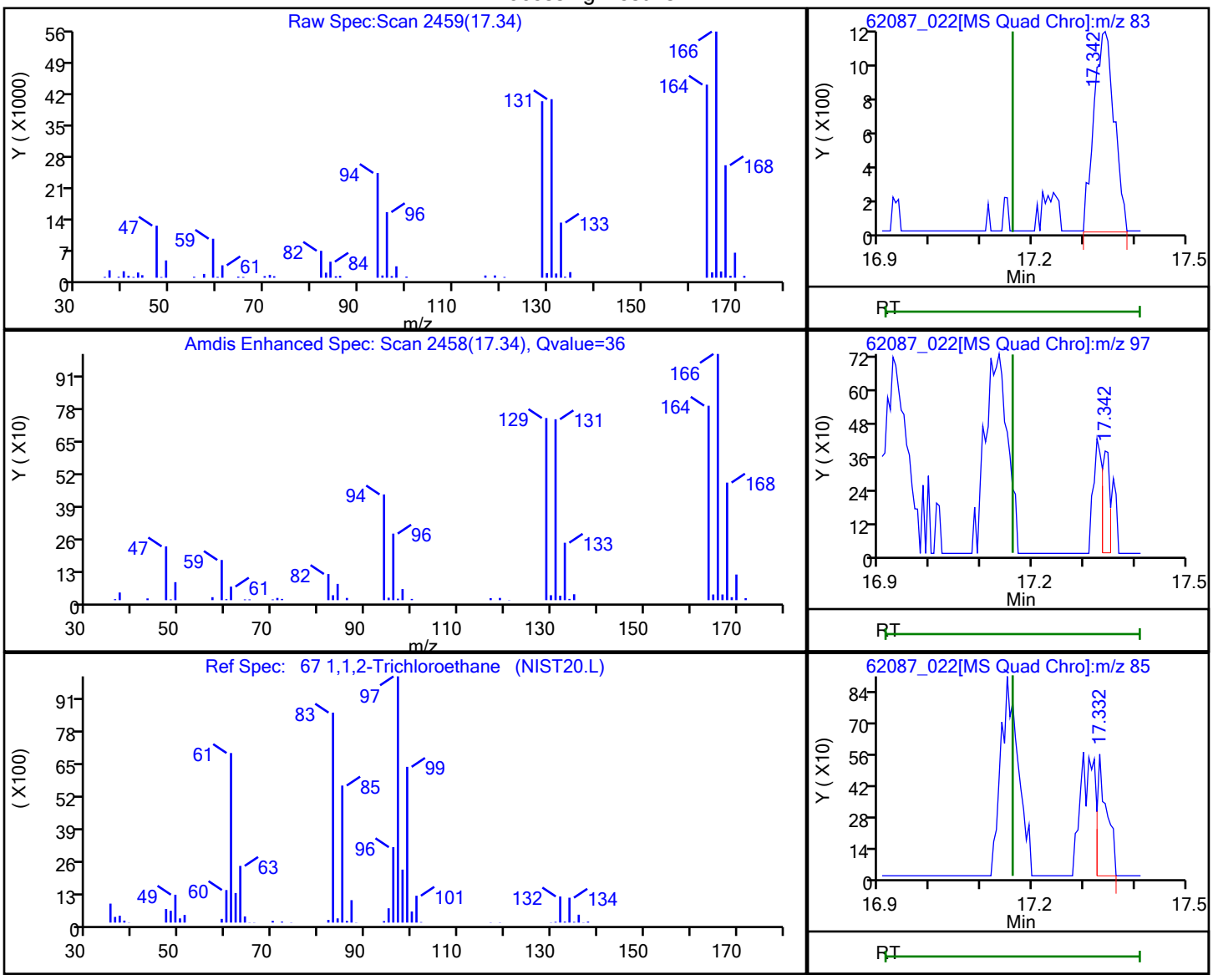
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.34	83.00	3149	0.050448
17.34	97.00	389	
17.33	85.00	712	

Reviewer: F7XK, 18-Sep-2024 14:05:11 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

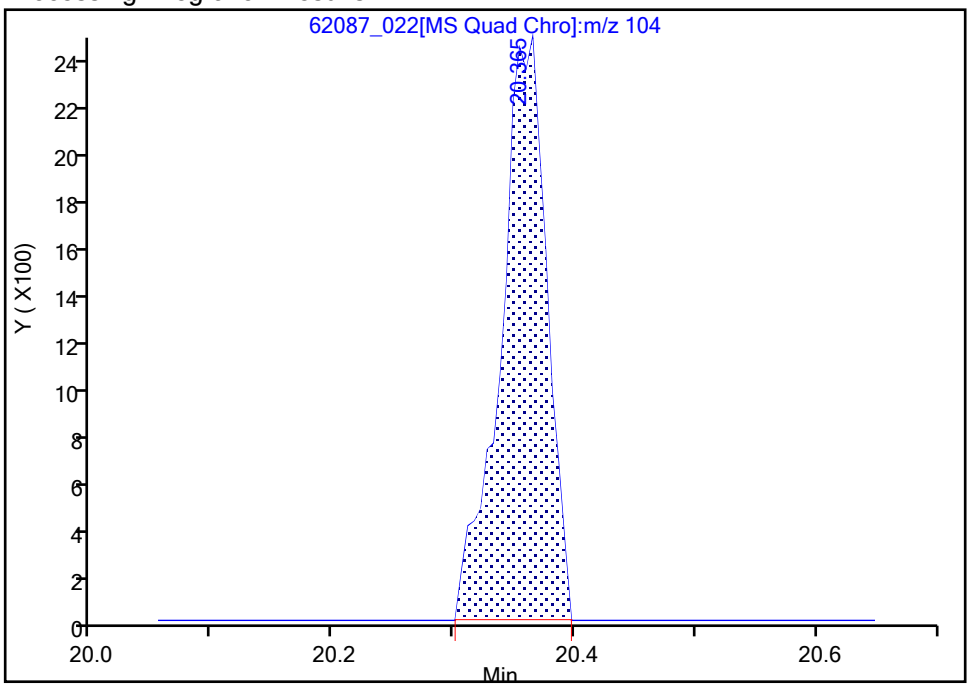
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Styrene, CAS: 100-42-5

Signal: 1

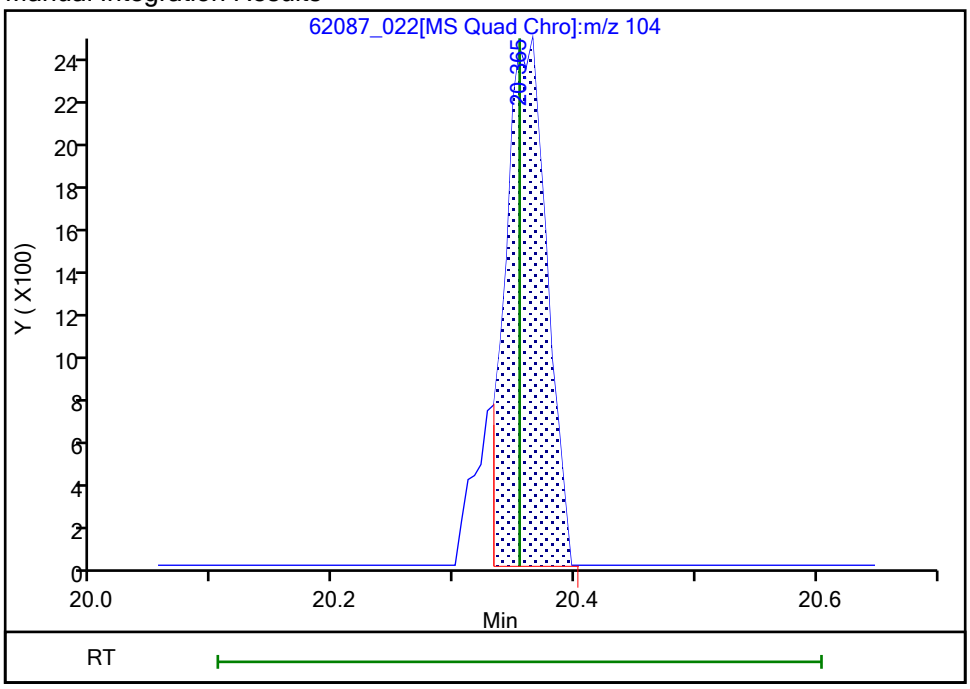
Processing Integration Results

RT: 20.36
Area: 6560
Amount: 0.041337
Amount Units: ppb v/v



Manual Integration Results

RT: 20.36
Area: 5844
Amount: 0.036826
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 14:05:41 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

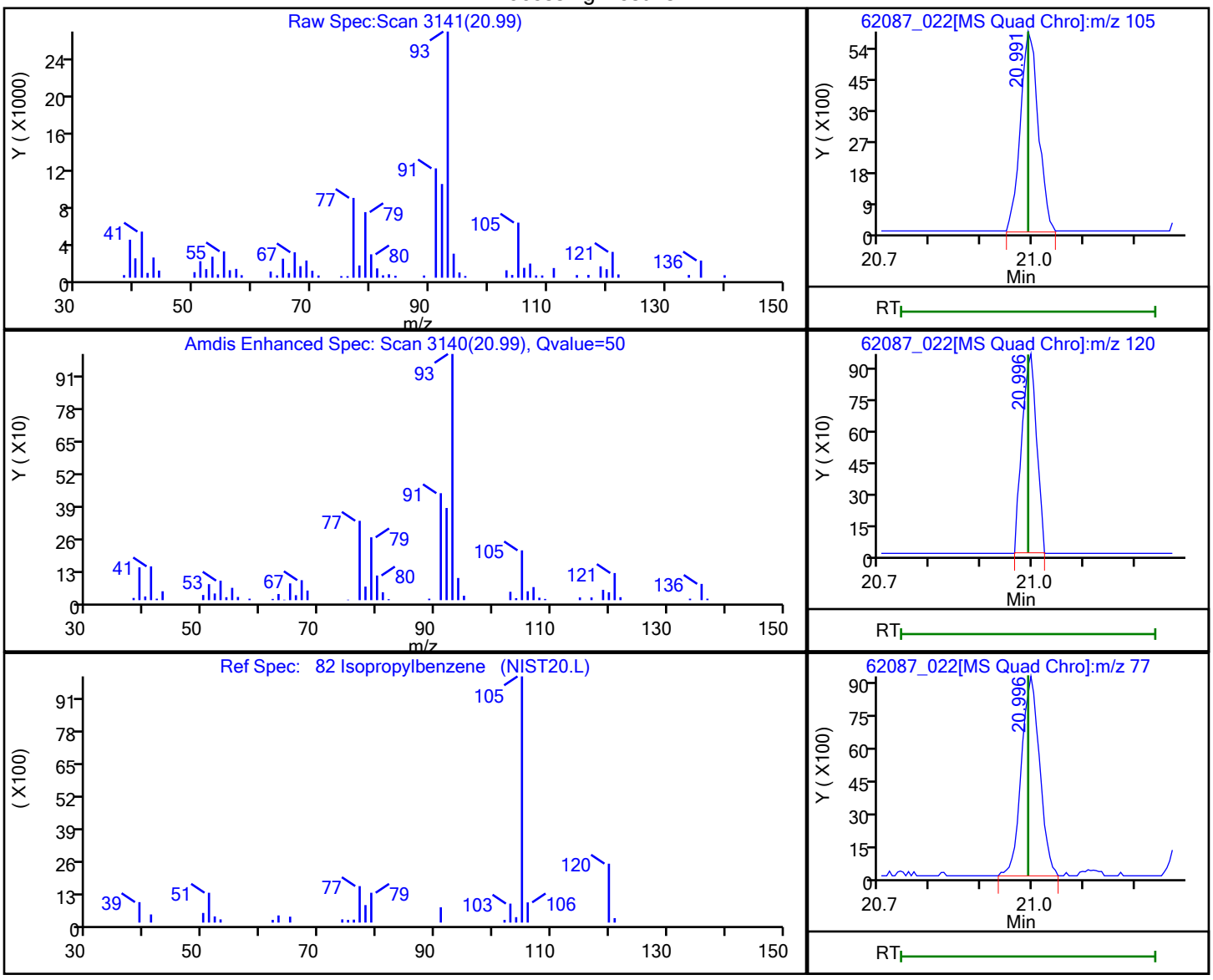
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
20.99	105.00	14252	0.049225
21.00	120.00	1900	
21.00	77.00	23128	

Reviewer: F7XK, 18-Sep-2024 14:05:53 07:00:00 (UTC)

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

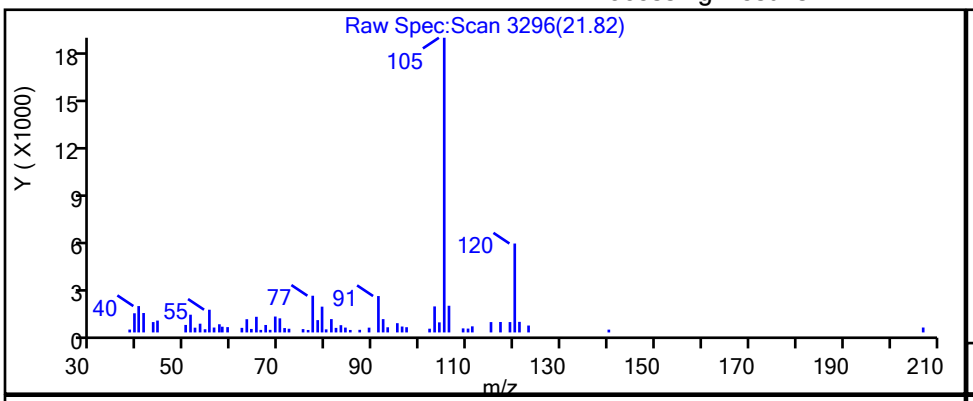
User Disabled Compound Report

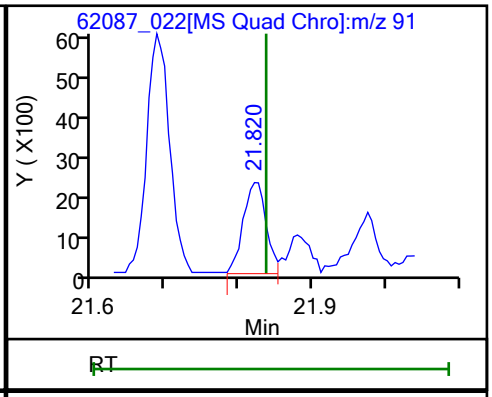
Eurofins Burlington

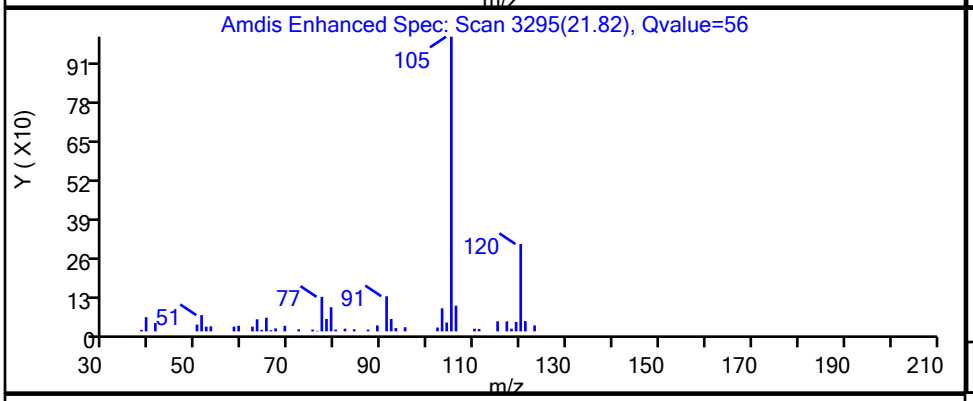
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

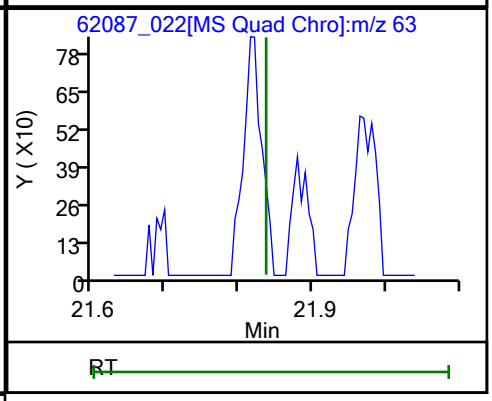
86 2-Chlorotoluene, CAS: 95-49-8

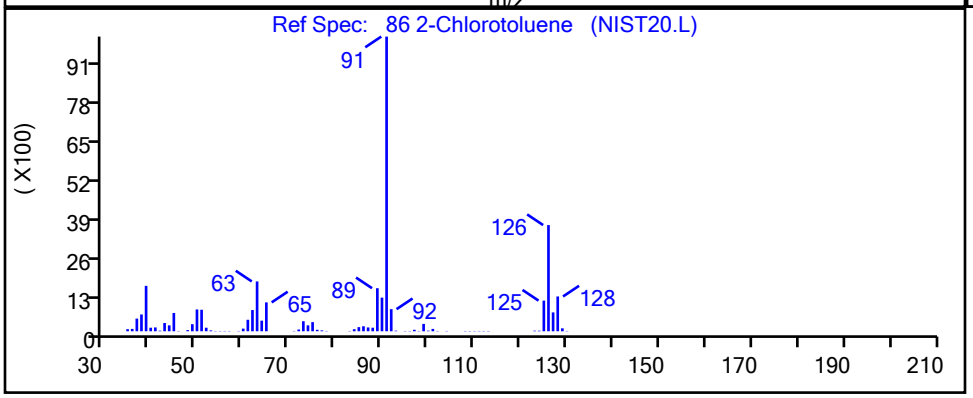
Processing Results











RT	Mass	Response	Amount
21.82	91.00	4944	0.021435
21.84	63.00	0	

Reviewer: F7XK, 18-Sep-2024 14:06:04 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

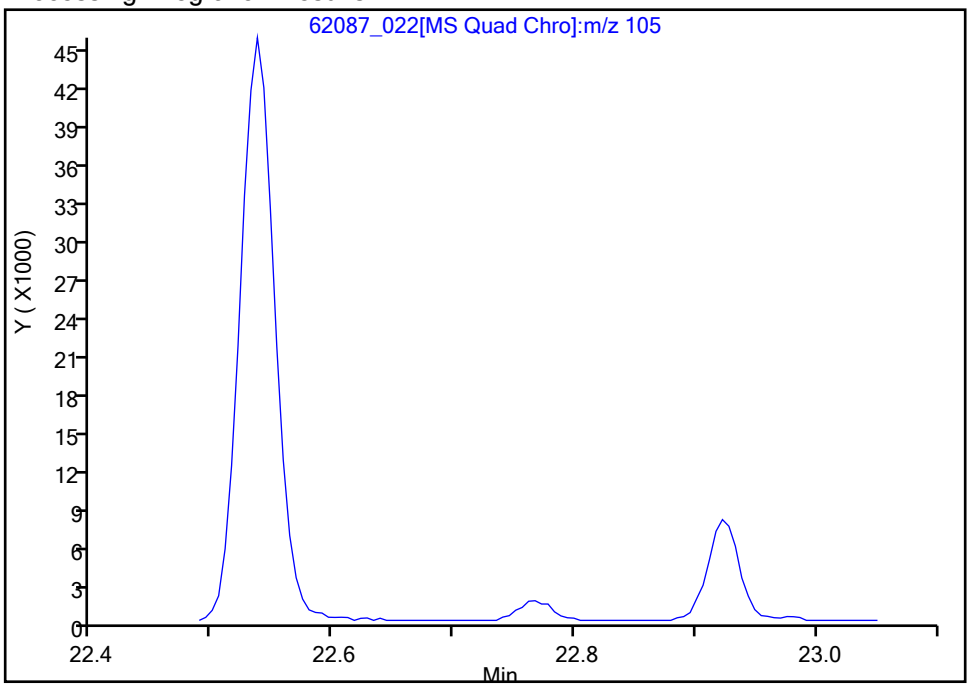
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

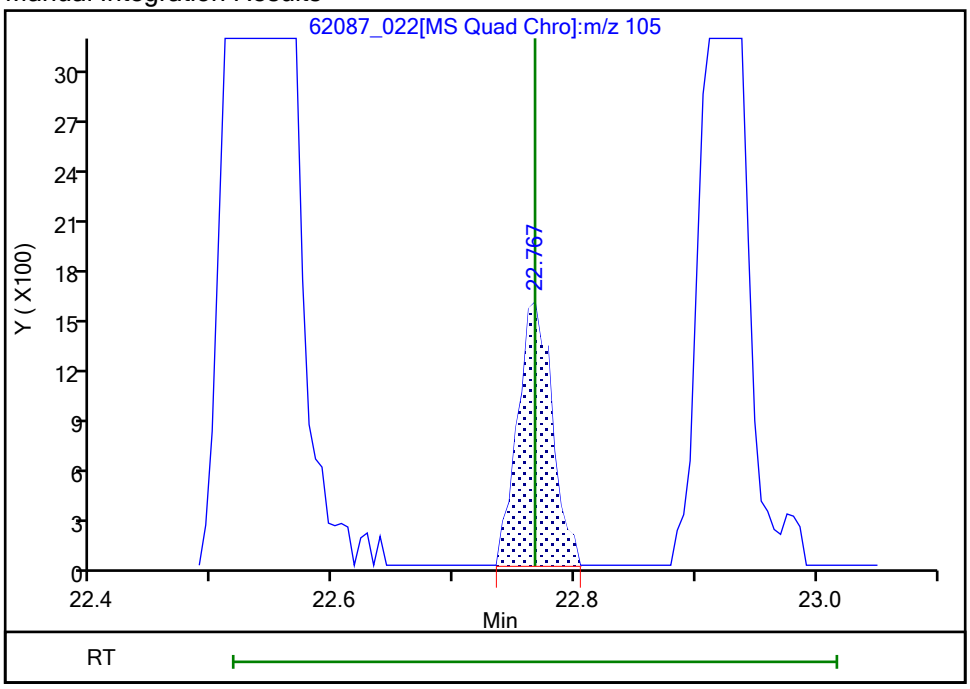
Not Detected
Expected RT: 22.77

Processing Integration Results



Manual Integration Results

RT: 22.77
Area: 3052
Amount: 0.008983
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 14:06:38 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

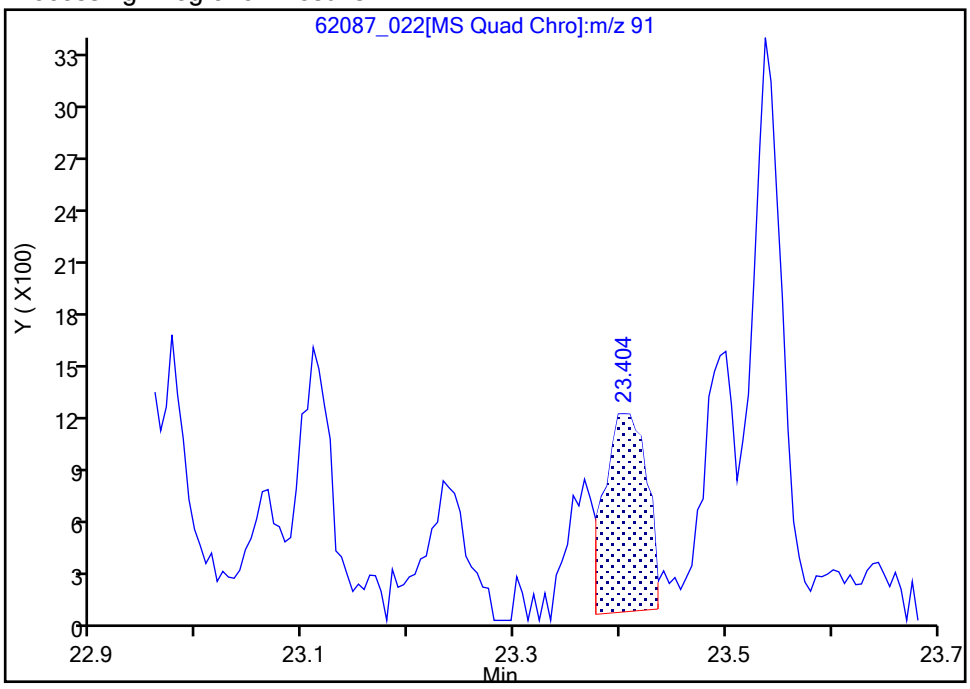
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_022.D				
Injection Date:	18-Sep-2024 01:28:17	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-4	Lab Sample ID:	200-75119-4		
Client ID:	RXSV-6				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Signal: 1

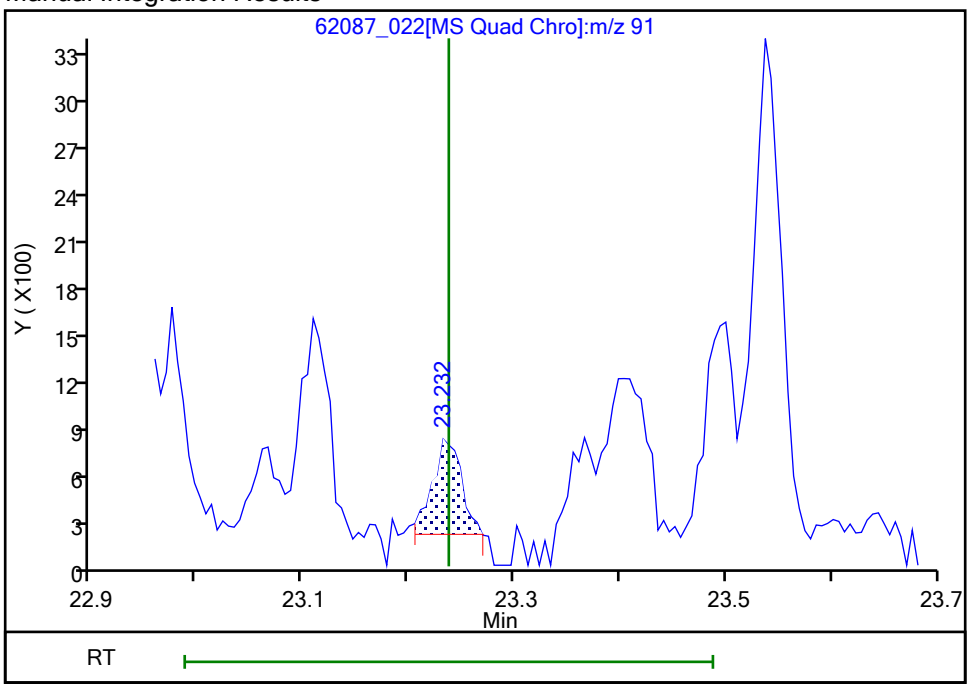
Processing Integration Results

RT: 23.40
Area: 3212
Amount: 0.015694
Amount Units: ppb v/v



Manual Integration Results

RT: 23.23
Area: 1174
Amount: 0.005736
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 14:07:16 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-4 Lab Sample ID: 200-75119-5

Matrix: Air Lab File ID: 62087_023.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 02:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.8	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.4	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	3.0		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	28		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	6.0		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	17		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.89	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	3.4		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	3.5		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.18	J	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-4 Lab Sample ID: 200-75119-5

Matrix: Air Lab File ID: 62087_023.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 02:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.94		0.93	0.18
71-43-2	Benzene	78.11	0.58	J	0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	0.53	J	0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	9.5		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	1.6		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.90		0.87	0.30
179601-23-1	m,p-Xylene	106.17	3.3		2.2	0.41
95-47-6	o-Xylene	106.17	2.1		0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.31	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.52	J	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-4 Lab Sample ID: 200-75119-5

Matrix: Air Lab File ID: 62087_023.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 02:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	2.1		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-4 Lab Sample ID: 200-75119-5

Matrix: Air Lab File ID: 62087_023.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 02:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.36	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.40	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	1.3		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.19		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	12		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	1.9		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	5.6		5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.25	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.2		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.72		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.029	J	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-4 Lab Sample ID: 200-75119-5

Matrix: Air Lab File ID: 62087_023.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 02:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.20		0.20	0.038
71-43-2	Benzene	78.11	0.18	J	0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.13	J	0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	2.5		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.24		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.21		0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.76		0.50	0.095
95-47-6	o-Xylene	106.17	0.47		0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.063	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.11	J	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-4 Lab Sample ID: 200-75119-5

Matrix: Air Lab File ID: 62087_023.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 02:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.43		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D
Lims ID: 200-75119-A-5
Client ID: RXSV-4
Sample Type: Client
Inject. Date: 18-Sep-2024 02:19:39 ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-023
Misc. Info.: 75119-5
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 14:12:15 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 14:12:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.417	4.419	0.000	99	48402	0.3621	
3 Chlorodifluoromethane	51	4.465	4.467	0.000	97	28490	0.4007	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.792				ND	MU
5 Chloromethane	50	4.909	4.917	-0.006	99	5153	0.1328	
7 Butane	43	5.214	5.217	0.000	99	80988	1.28	
6 Vinyl chloride	62		5.220				ND	
8 Butadiene	54		5.337				ND	7
9 Bromomethane	94		6.086				ND	
10 Chloroethane	64		6.359				ND	7
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.948	6.956	-0.005	98	27063	0.1893	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.082	8.075	0.011	96	5930	0.0495	
22 Acetone	43	8.135	8.128	0.010	97	857884	11.7	
23 Isopropyl alcohol	45	8.451	8.439	0.016	99	14359	0.1707	
24 Carbon disulfide	76	8.440	8.444	0.000	99	301050	1.93	
26 3-Chloro-1-propene	41		8.745				ND	
27 Methylene Chloride	49		8.986				ND	7
28 2-Methyl-2-propanol	59	9.232	9.220	0.016	100	535091	5.55	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73		9.483				ND	
32 Hexane	57	9.986	9.996	-0.006	92	21425	0.2539	
33 1,1-Dichloroethane	63		10.270				ND	
36 2-Butanone (MEK)	72	11.270	11.265	0.010	99	32077	1.16	
37 cis-1,2-Dichloroethene	96		11.281				ND	
* 39 Chlorobromomethane	128	11.698	11.693	0.005	89	310978	10.0	
40 Tetrahydrofuran	42		11.730				ND	7
41 Chloroform	83	11.875	11.880	0.000	96	86355	0.7183	
42 1,1,1-Trichloroethane	97		12.174				ND	MU
43 Cyclohexane	84	12.303	12.303	0.000	91	3760	0.0512	
44 Carbon tetrachloride	117	12.453	12.447	0.006	94	3511	0.0289	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.806	12.806	0.000	95	31059	0.1802	
46 1,2-Dichloroethane	62		12.891				ND	
47 Isooctane	57	13.009	13.009	0.000	98	53755	0.2008	
48 n-Heptane	43	13.319	13.319	0.000	96	12540	0.1292	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	94	1491913	10.0	
51 Trichloroethene	95	13.983	13.983	0.006	1	960	0.0119	7M
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	MU
55 1,4-Dioxane	88		14.576				ND	7
58 Dichlorobromomethane	83		14.919				ND	
59 cis-1,3-Dichloropropene	75		15.721				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.989				ND	7
62 Toluene	92	16.358	16.358	0.000	93	305763	2.53	
66 trans-1,3-Dichloropropene	75		16.781				ND	7
67 1,1,2-Trichloroethane	83		17.160				ND	MU
68 Tetrachloroethene	166	17.342	17.342	0.000	97	23722	0.2360	
69 2-Hexanone	43	17.583	17.572	0.011	93	16118	0.1469	
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	
* 73 Chlorobenzene-d5	117	19.049	19.043	0.006	87	1336935	10.0	
74 Chlorobenzene	112		19.102				ND	
75 Ethylbenzene	91	19.290	19.290	0.000	98	54840	0.2063	
76 m-Xylene & p-Xylene	106	19.541	19.552	-0.011	0	76365	0.7611	
78 o-Xylene	106	20.322	20.322	0.000	99	45930	0.4738	
79 Styrene	104	20.360	20.360	0.006	92	6247	0.0396	M
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105		20.991				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	7
85 N-Propylbenzene	91	21.686	21.686	0.000	99	13712	0.0397	
86 2-Chlorotoluene	91		21.836				ND	
87 4-Ethyltoluene	105	21.879	21.879	0.000	98	17353	0.0627	
88 1,3,5-Trimethylbenzene	105	21.975	21.970	0.005	92	24427	0.1050	
91 tert-Butylbenzene	119		22.446				ND	7
92 1,2,4-Trimethylbenzene	105	22.537	22.532	0.005	96	100708	0.4291	
93 sec-Butylbenzene	105	22.772	22.772	0.005	94	3411	0.0101	7M
94 1,3-Dichlorobenzene	146		22.943				ND	7
95 4-Isopropyltoluene	119	22.976	22.976	0.000	97	15970	0.0573	
96 1,4-Dichlorobenzene	146	23.083	23.083	0.000	95	3001	0.0186	
97 Benzyl chloride	91	23.238	23.238	0.000	1	757	0.003724	7M
98 n-Butylbenzene	91	23.543	23.543	0.000	53	5369	0.0199	M
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.581	26.581	0.000	99	21013	0.0950	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

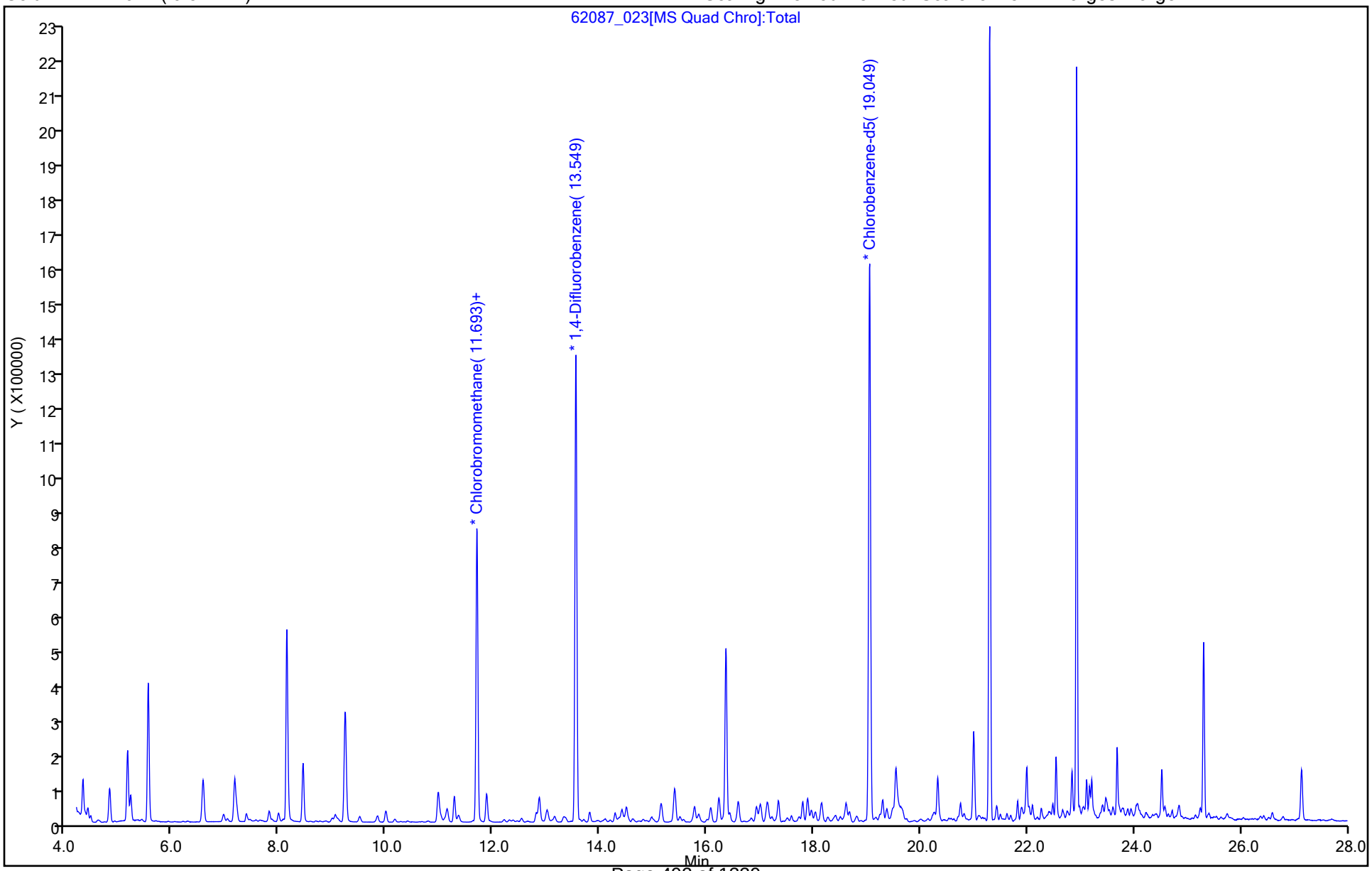
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5	Worklist Smp#:	23
Client ID:	RXSV-4				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



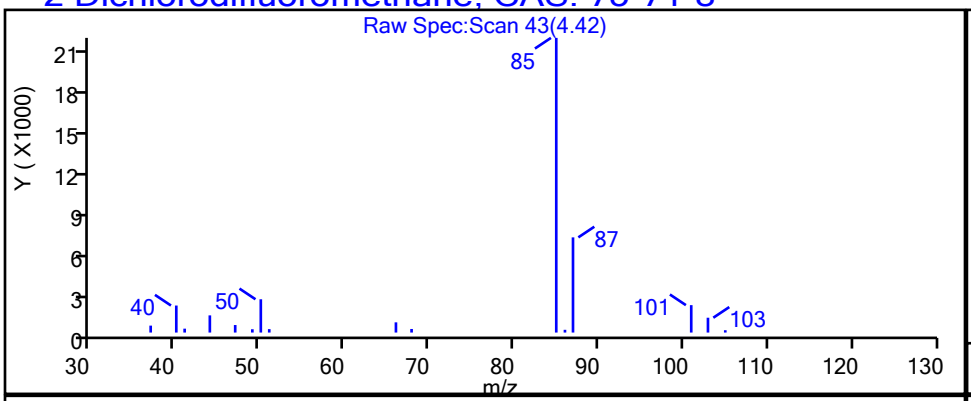
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

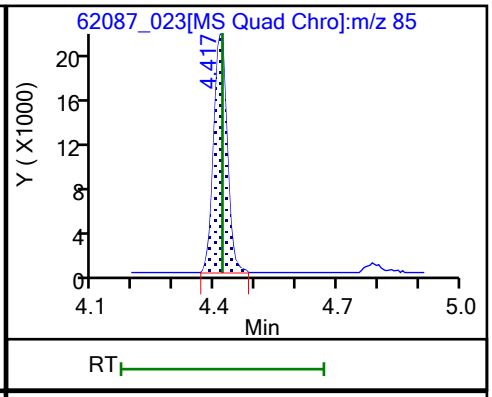
Eurofins Burlington

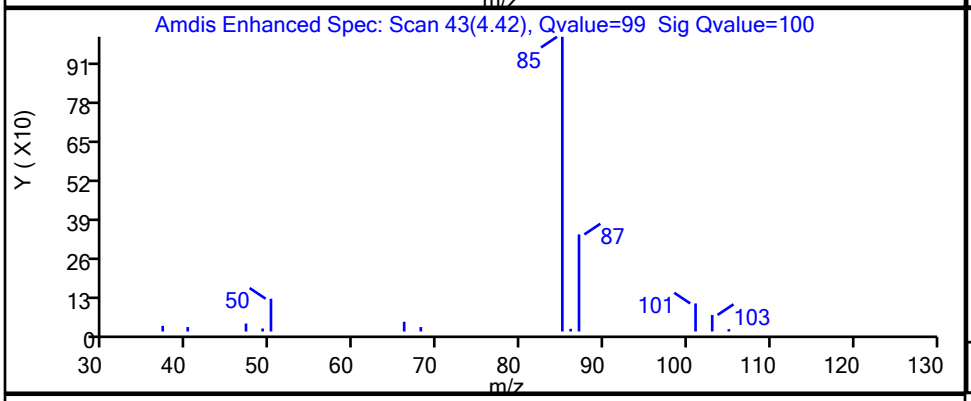
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

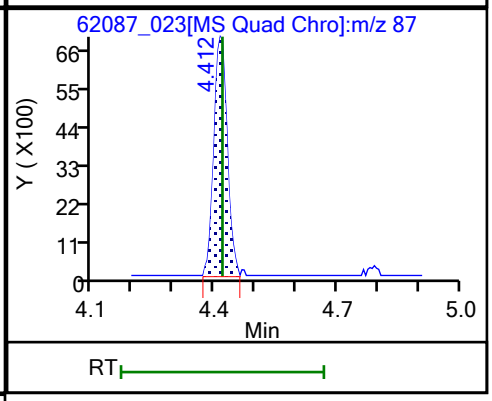
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

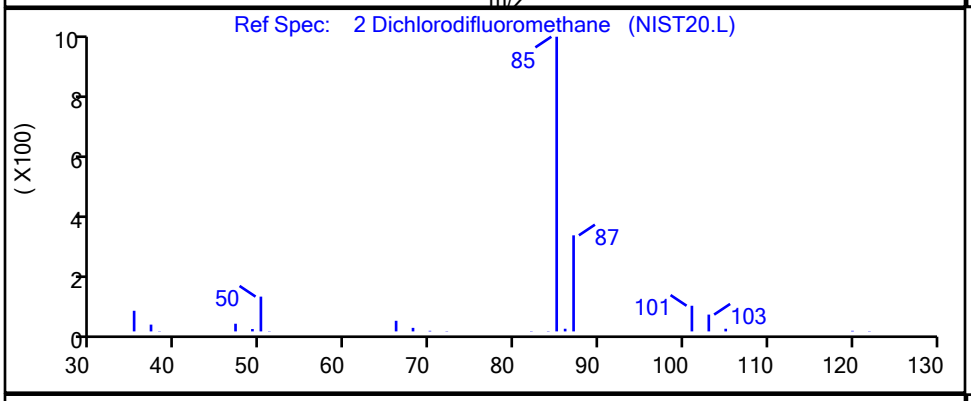
2 Dichlorodifluoromethane, CAS: 75-71-8

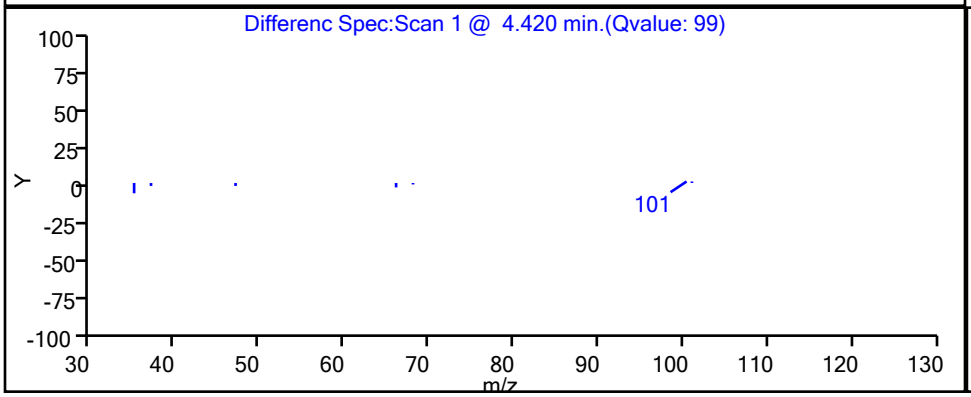


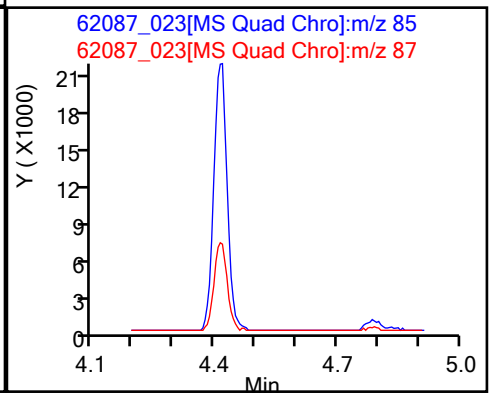












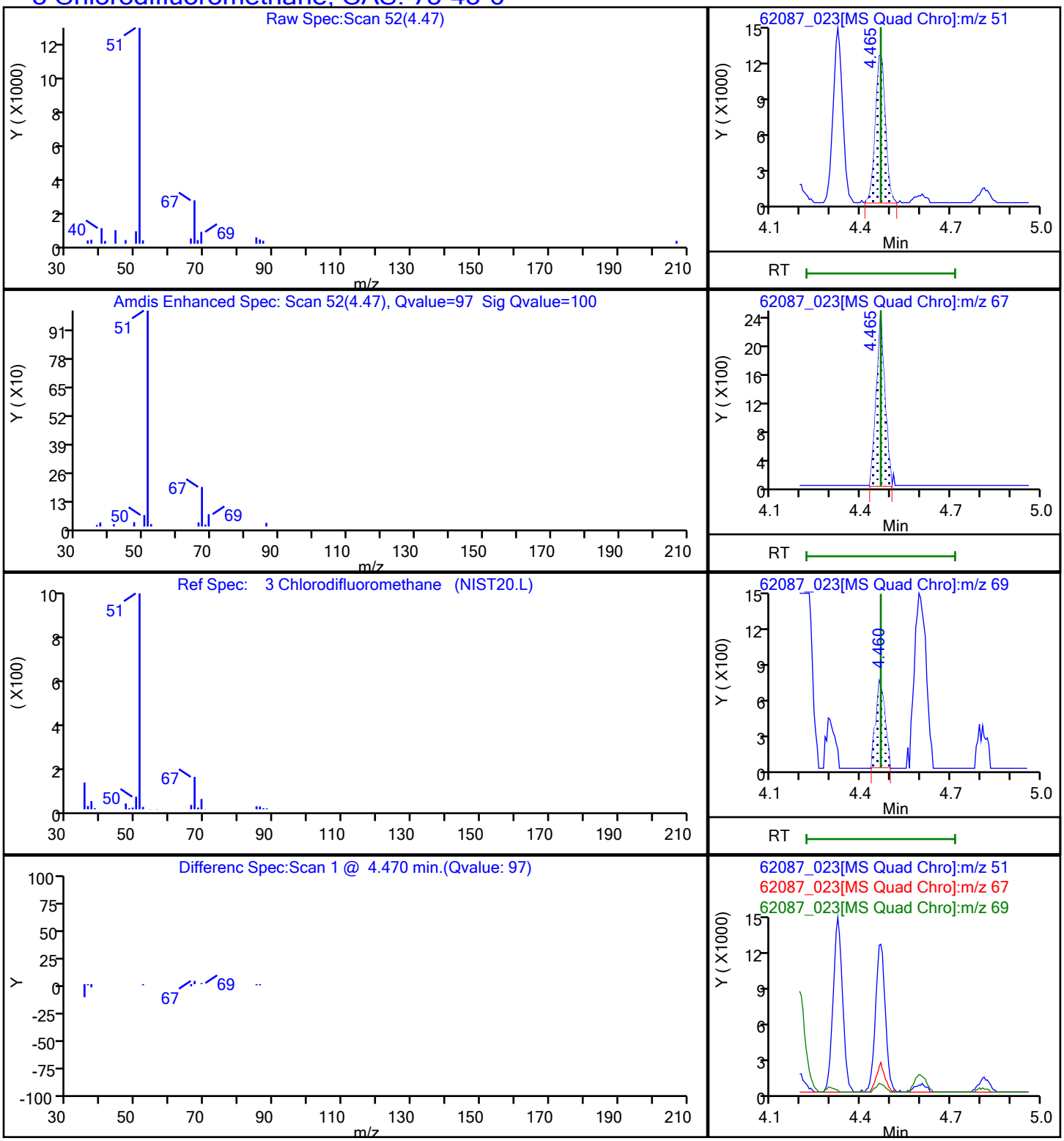
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



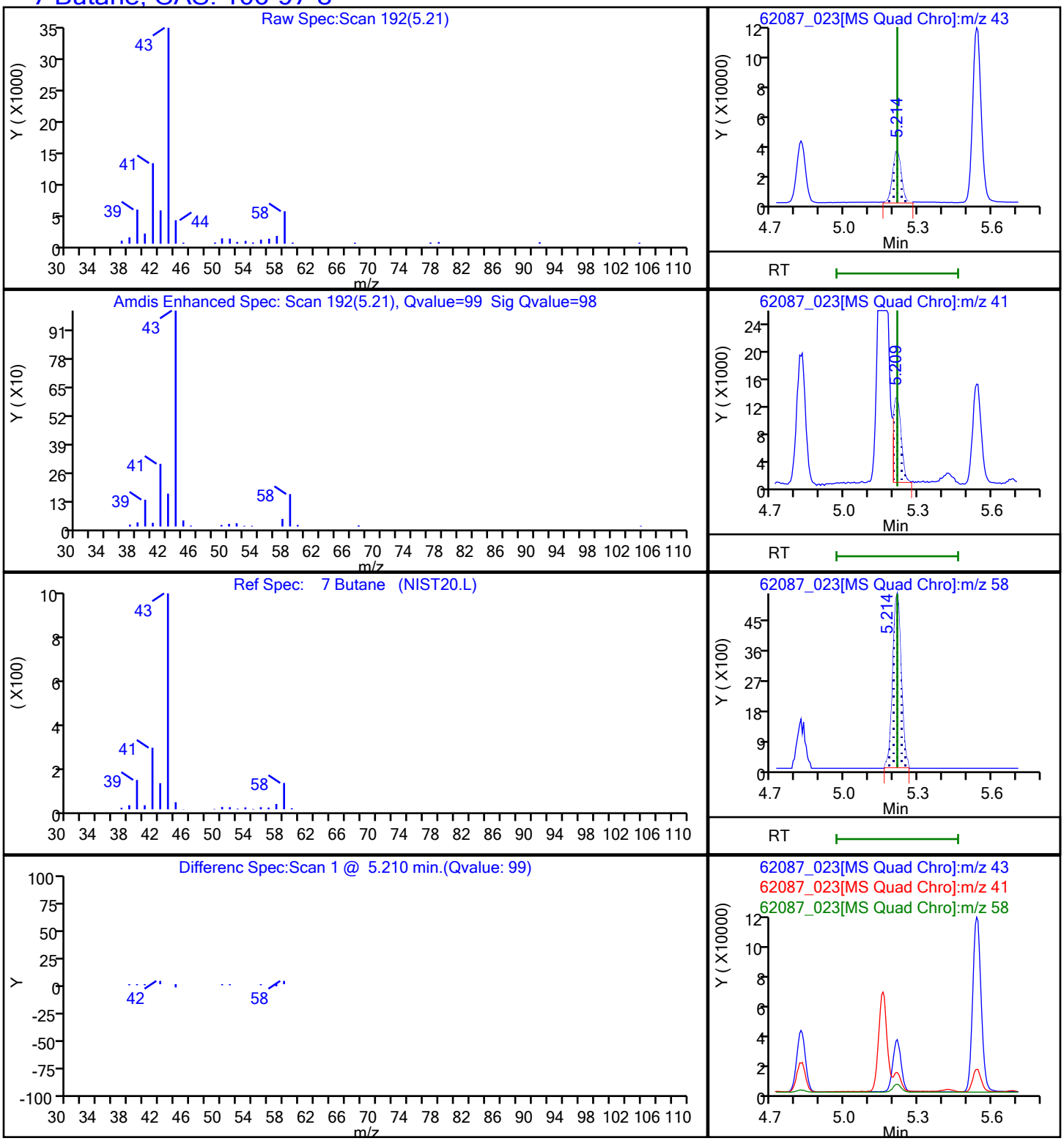
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8



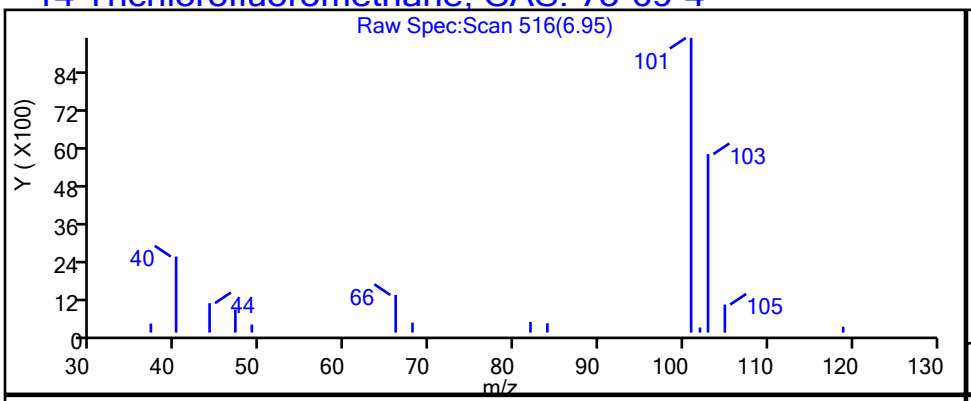
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

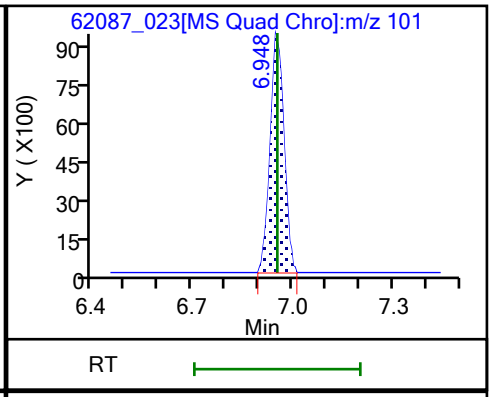
Eurofins Burlington

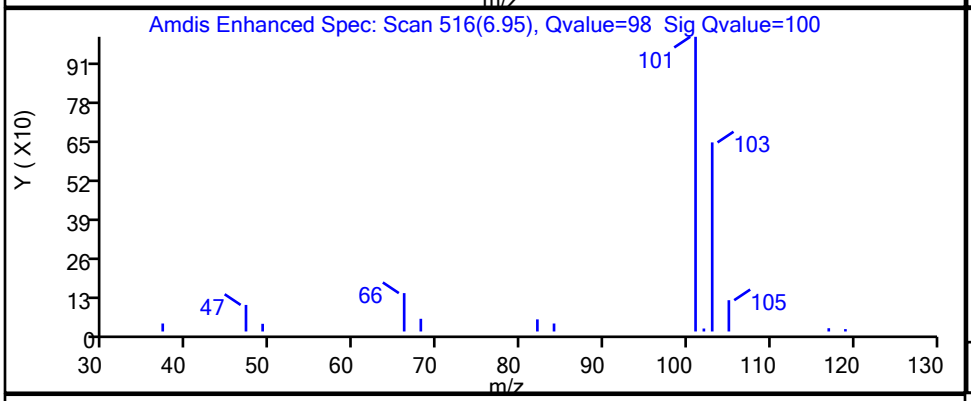
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

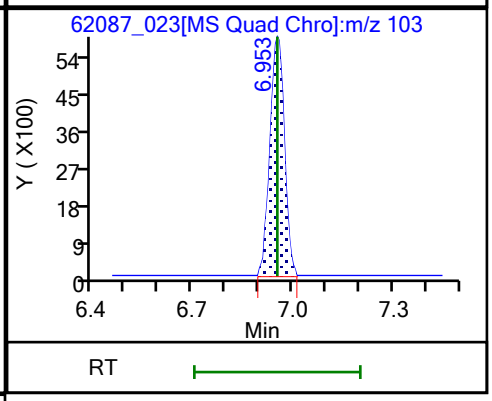
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5
Client ID:	RXSV-4		
Operator ID:	vtp	ALS Bottle#:	0 Worklist Smp#: 23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

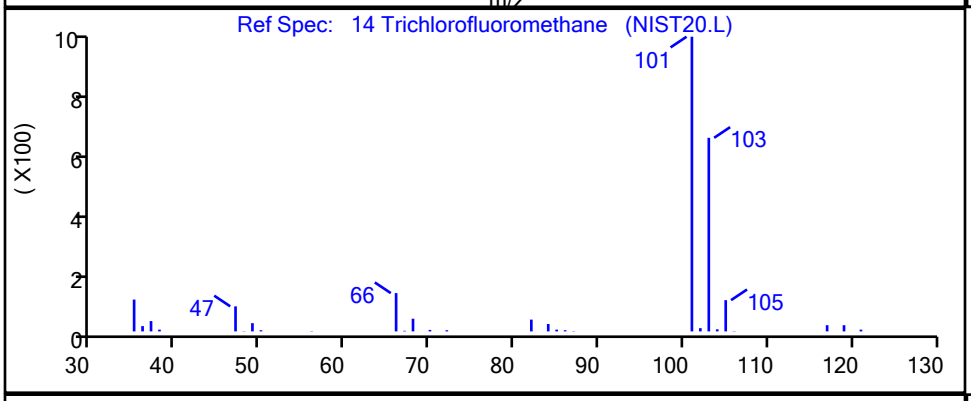
14 Trichlorofluoromethane, CAS: 75-69-4

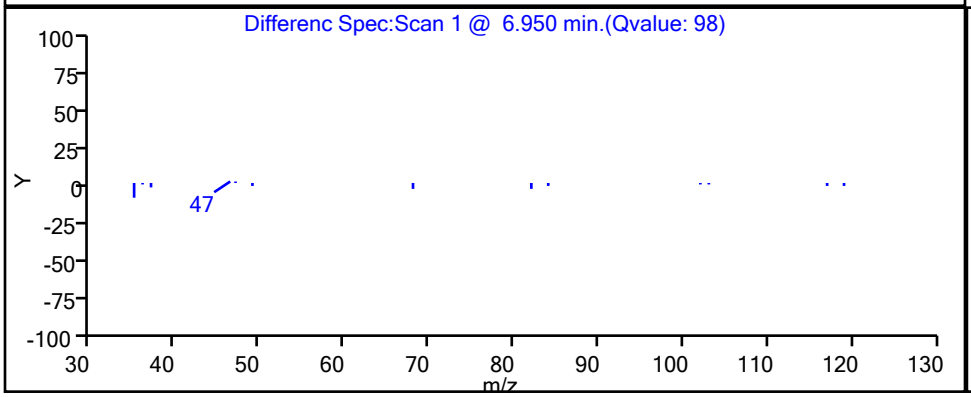


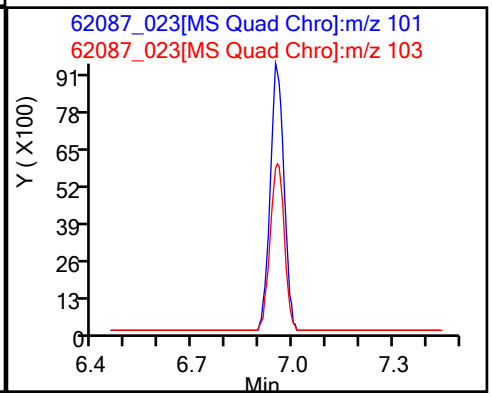












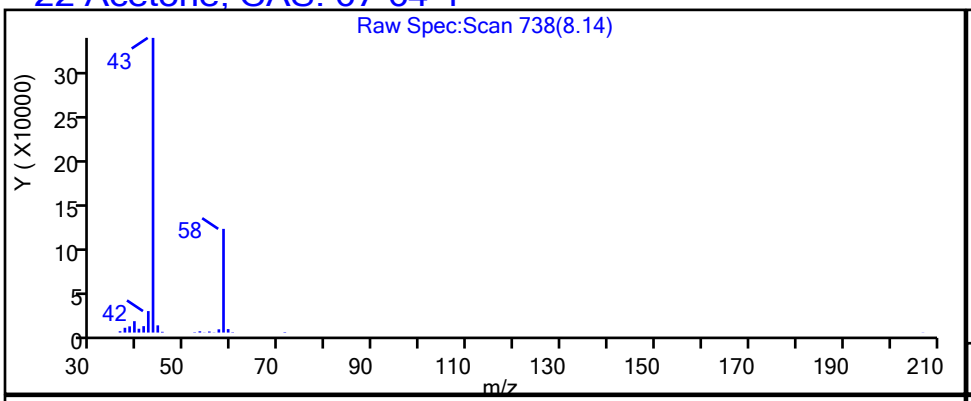
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

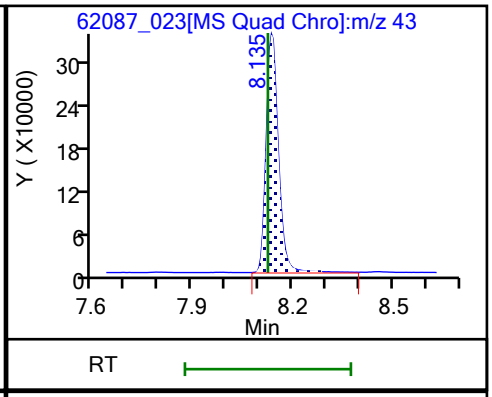
Eurofins Burlington

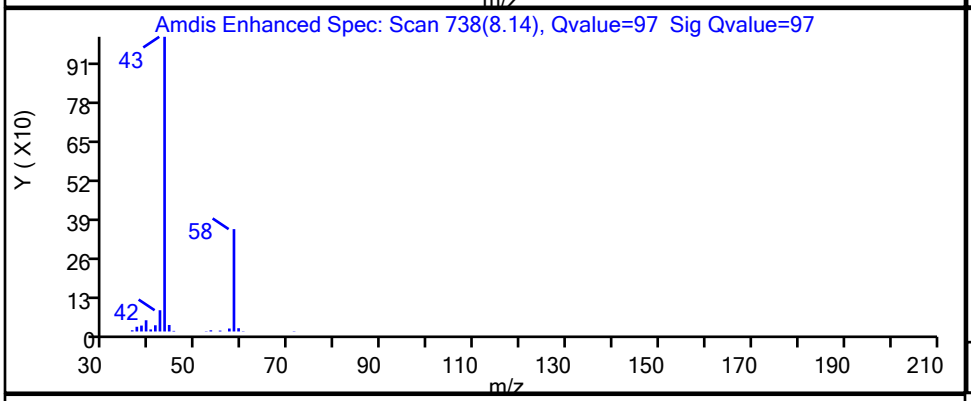
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

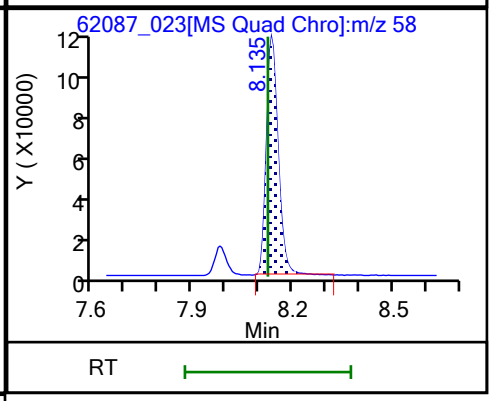
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

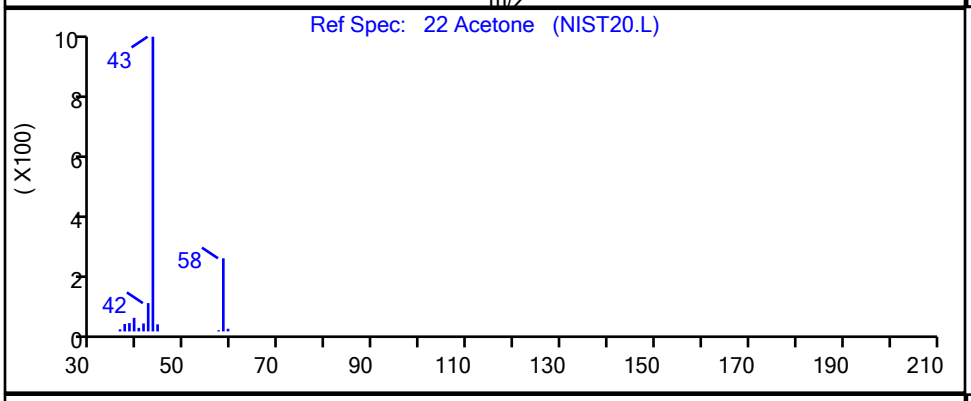
22 Acetone, CAS: 67-64-1

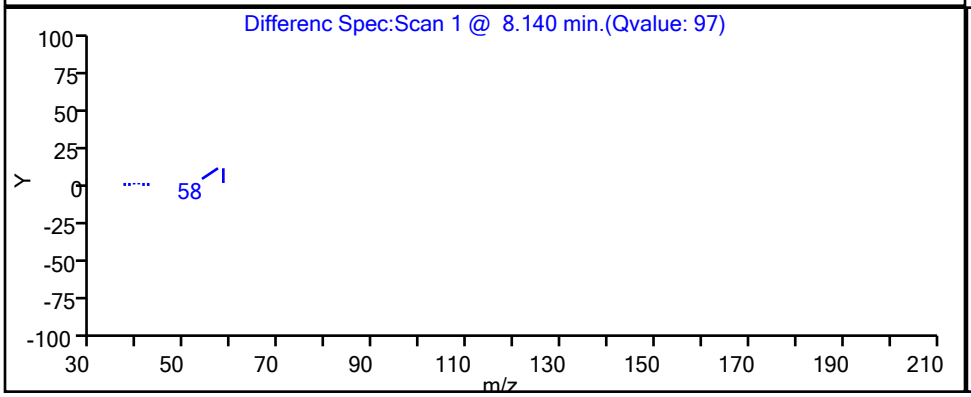


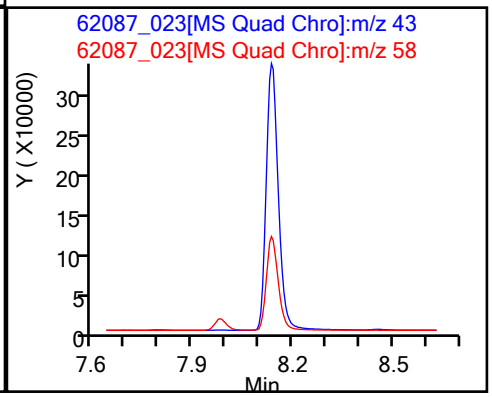












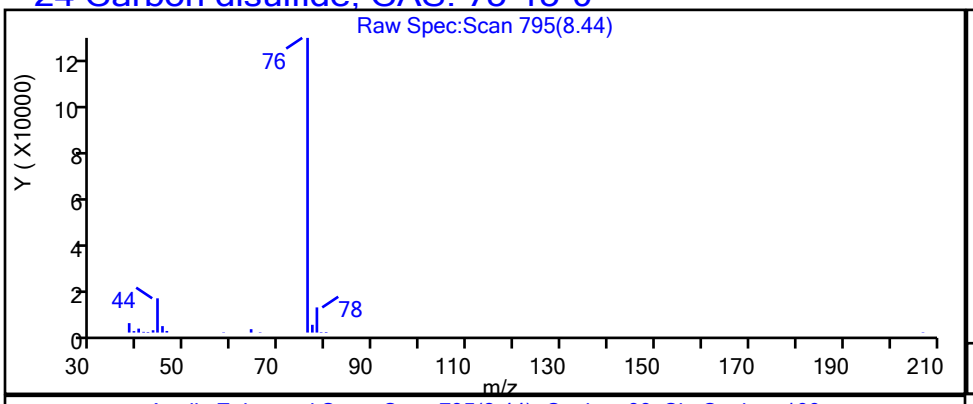
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

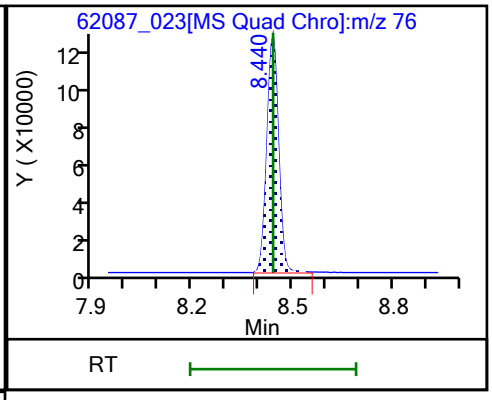
Eurofins Burlington

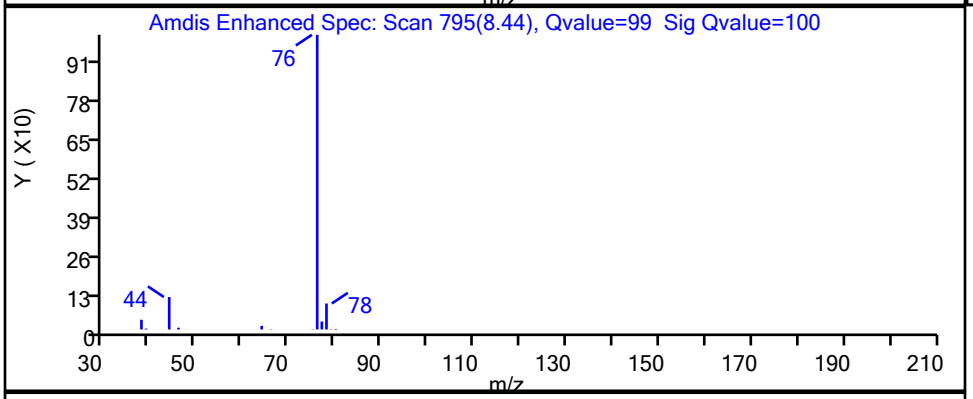
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

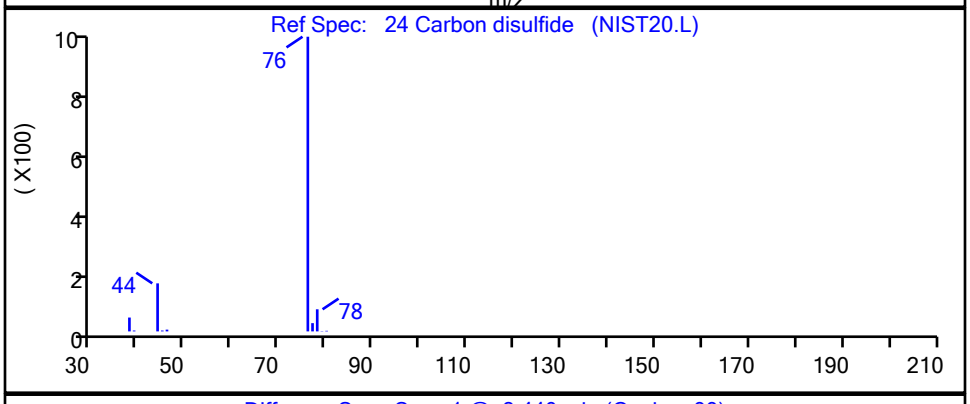
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

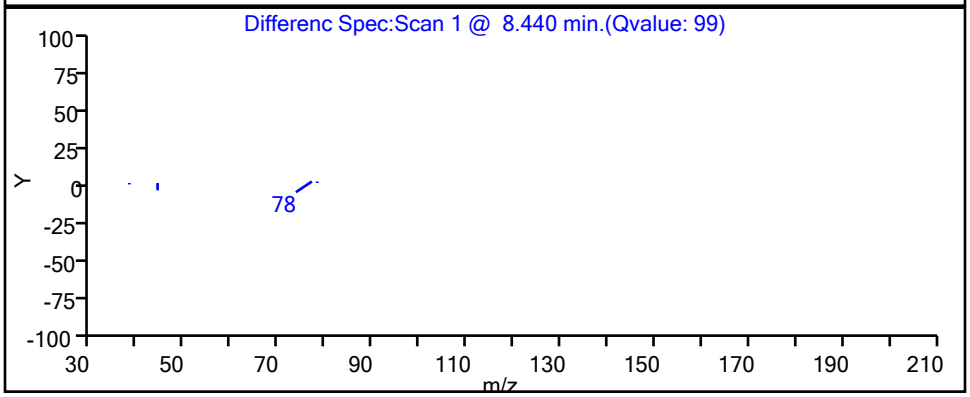
24 Carbon disulfide, CAS: 75-15-0











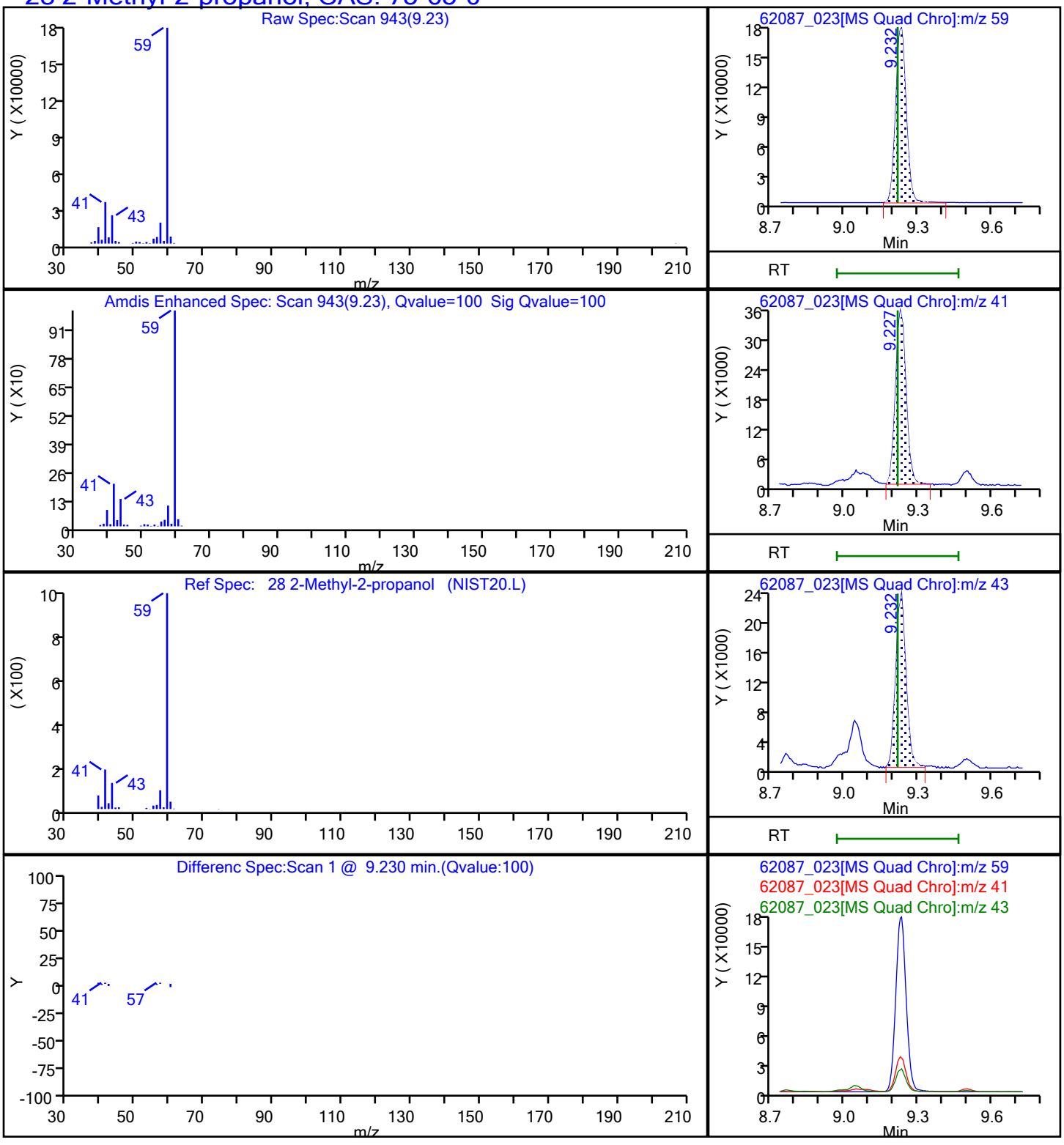
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



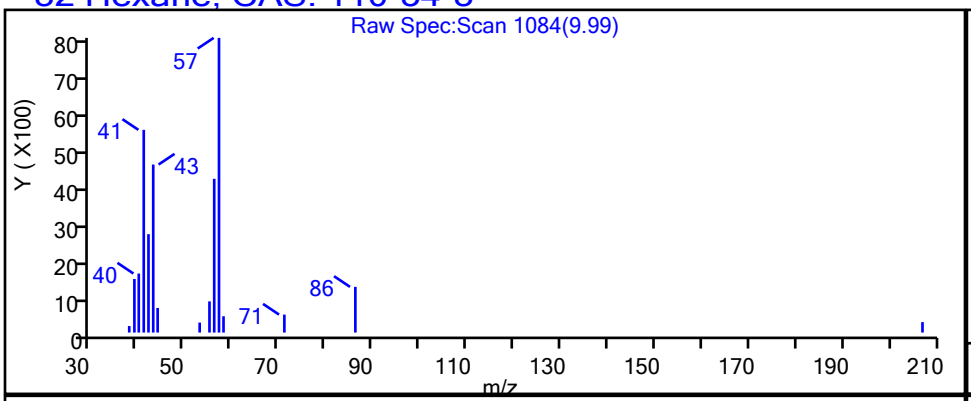
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

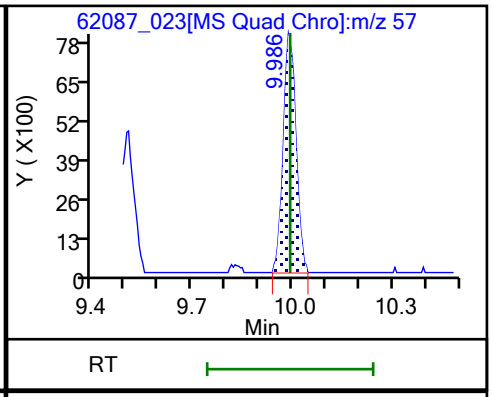
Eurofins Burlington

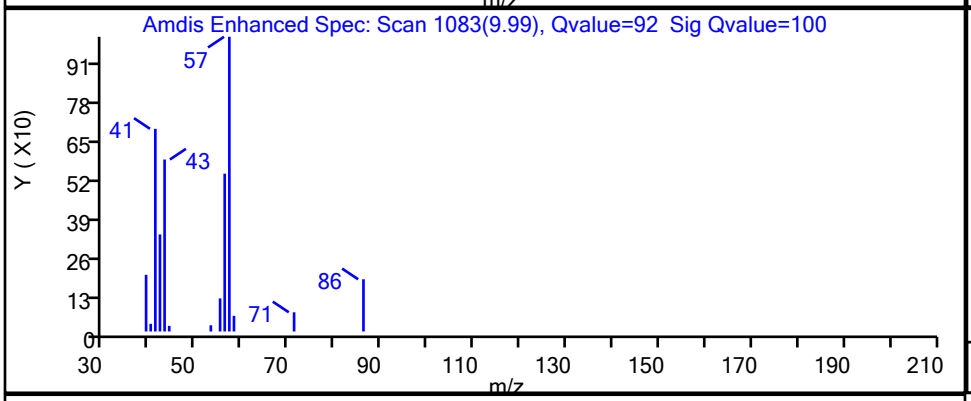
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

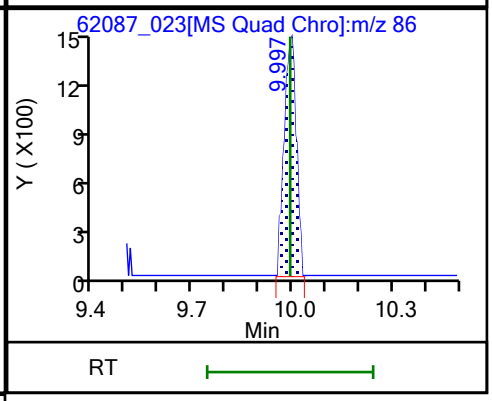
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

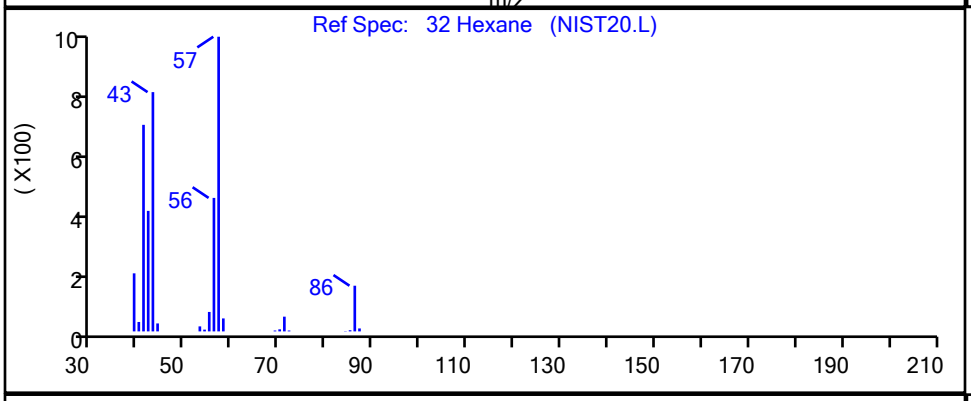
32 Hexane, CAS: 110-54-3

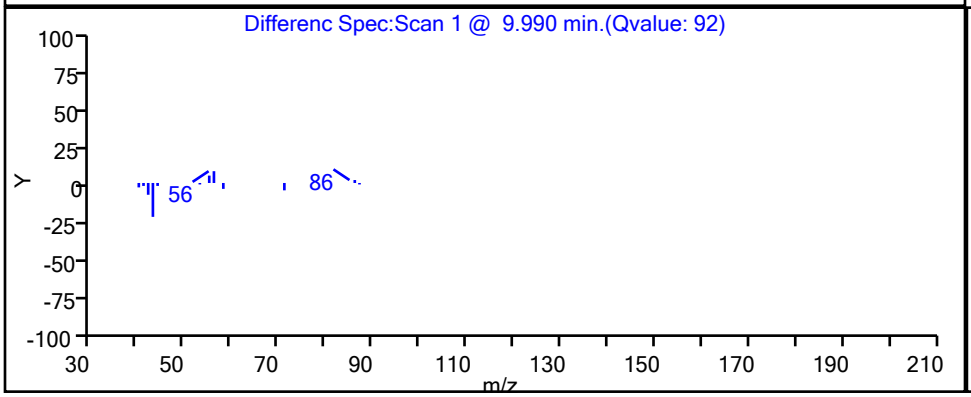


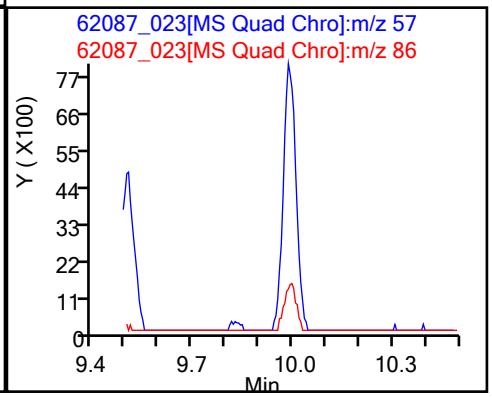












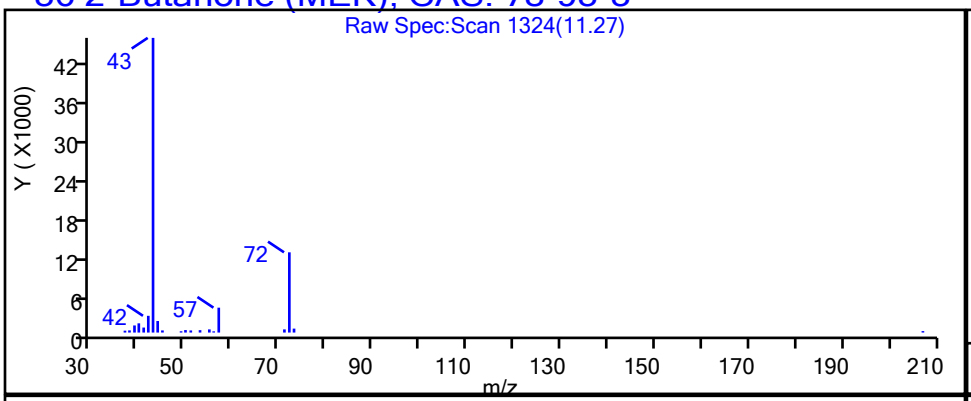
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

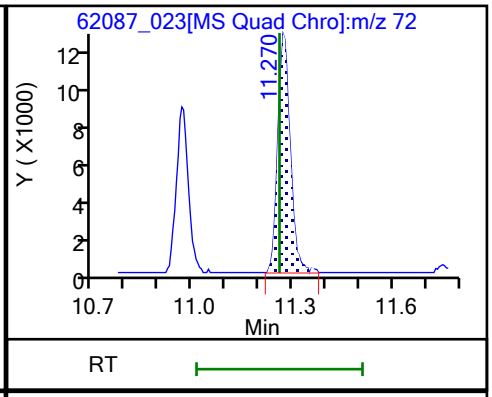
Eurofins Burlington

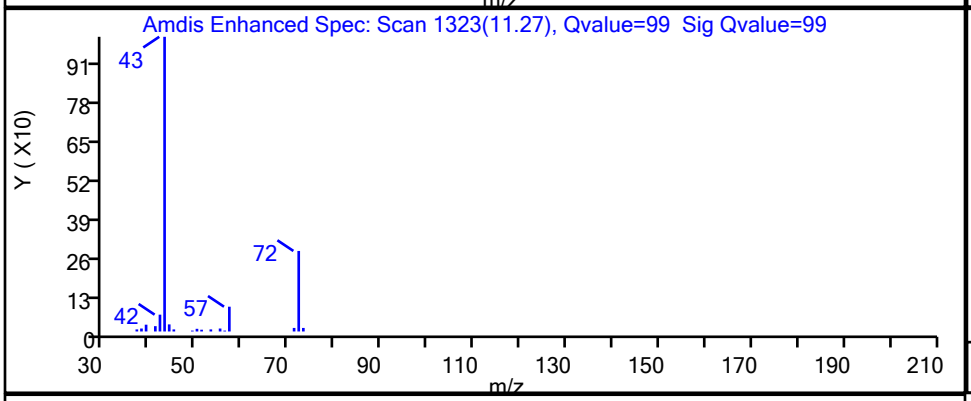
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

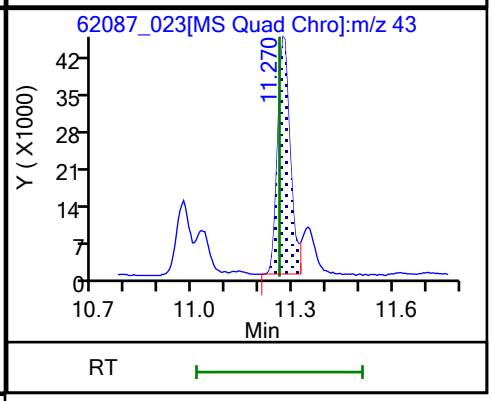
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5
Client ID:	RXSV-4		
Operator ID:	vtp	ALS Bottle#:	0 Worklist Smp#: 23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

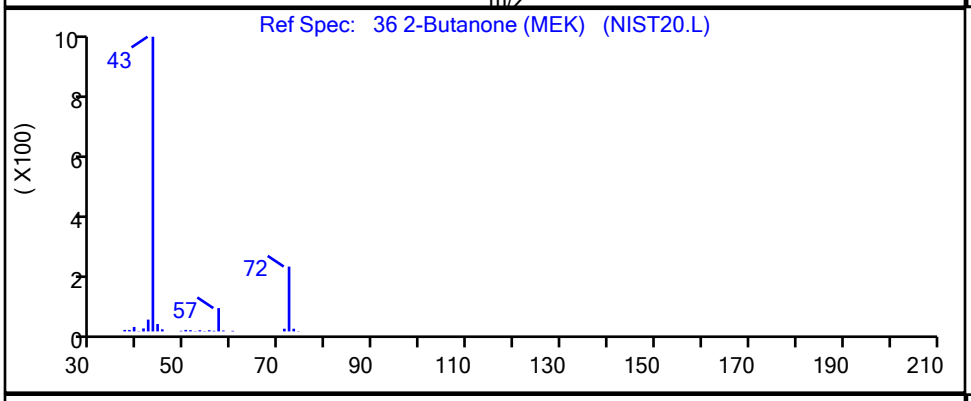
36 2-Butanone (MEK), CAS: 78-93-3

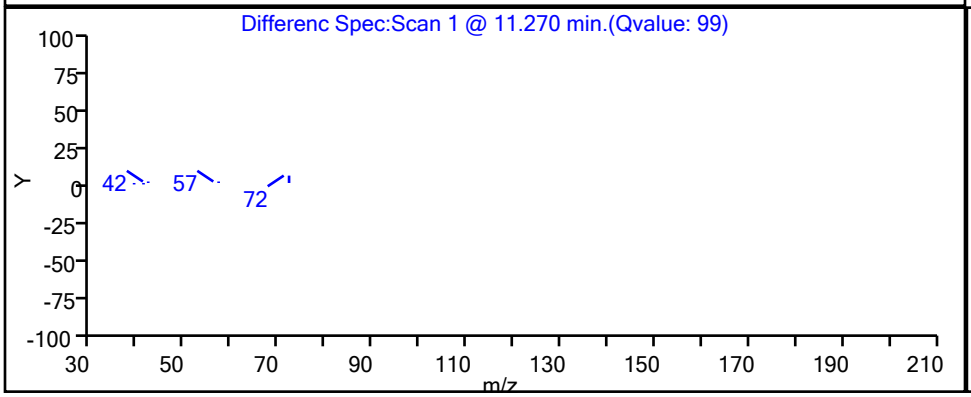


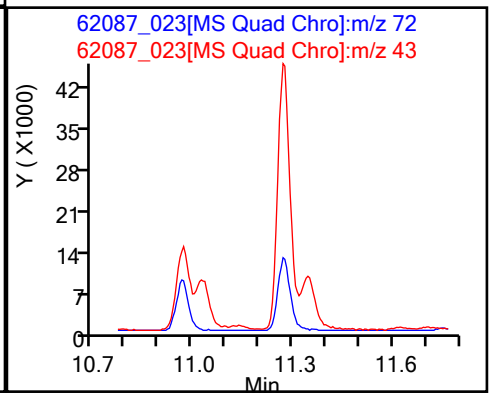












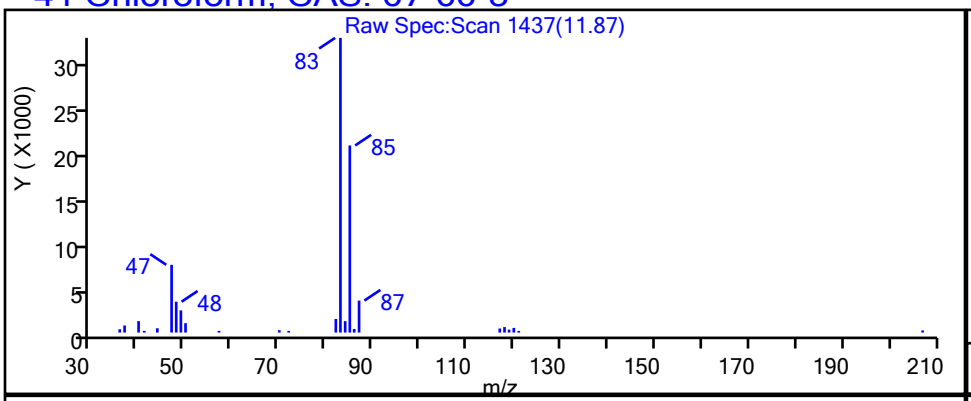
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

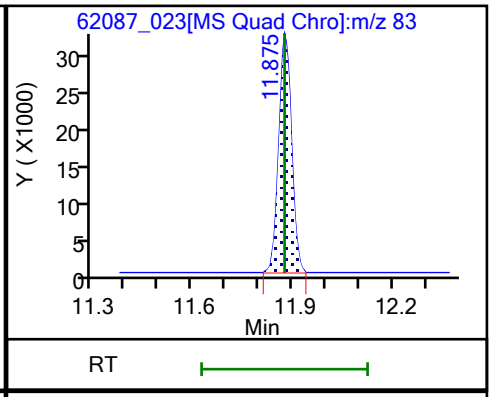
Eurofins Burlington

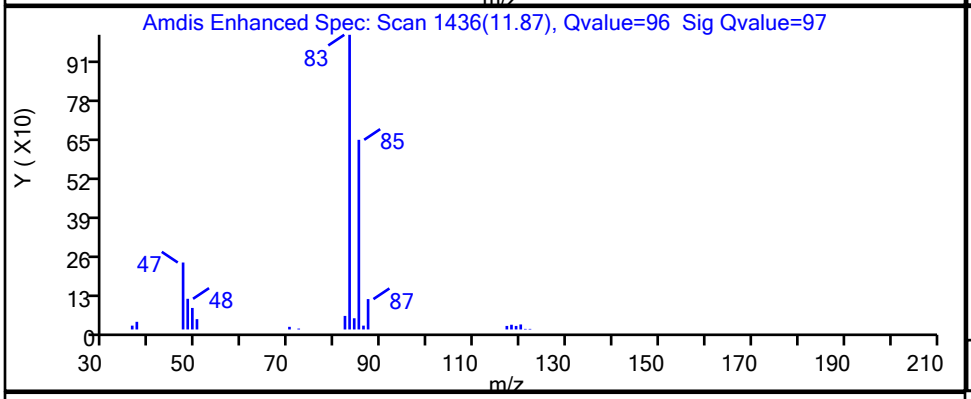
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

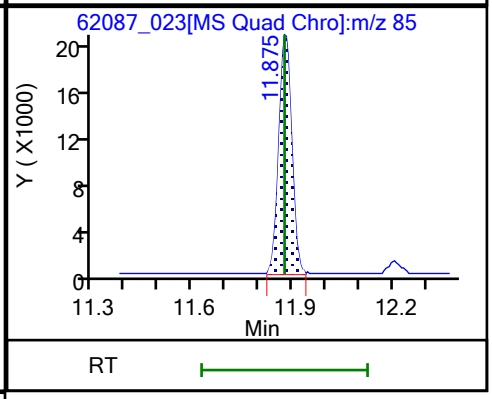
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

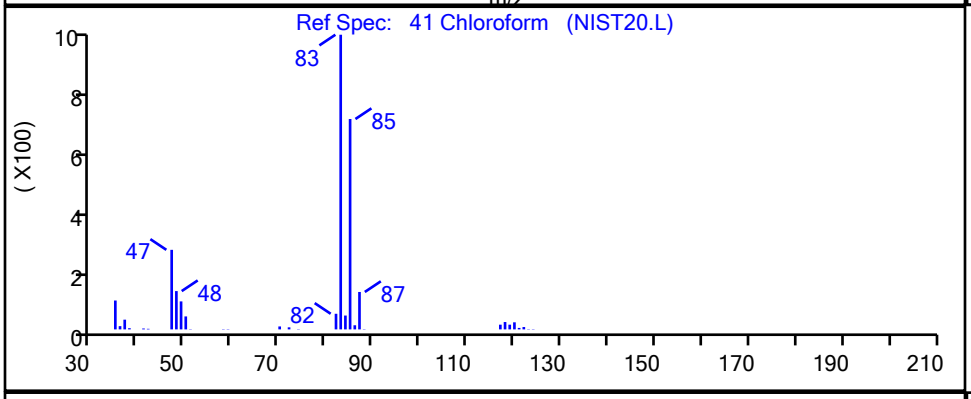
41 Chloroform, CAS: 67-66-3

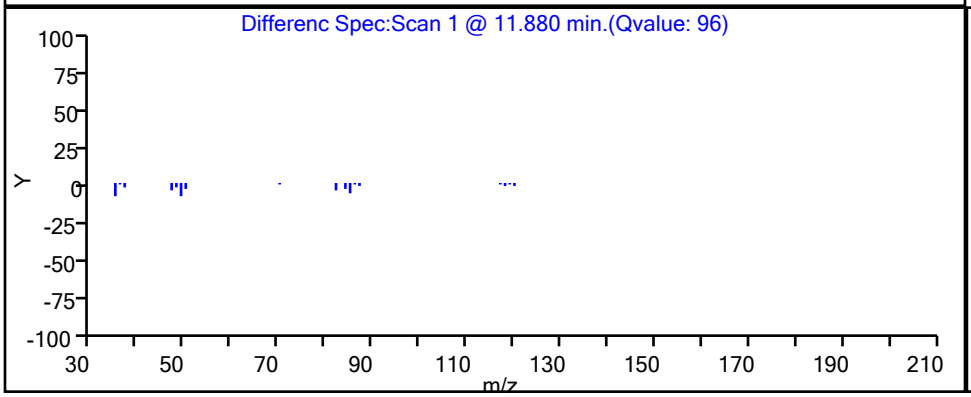


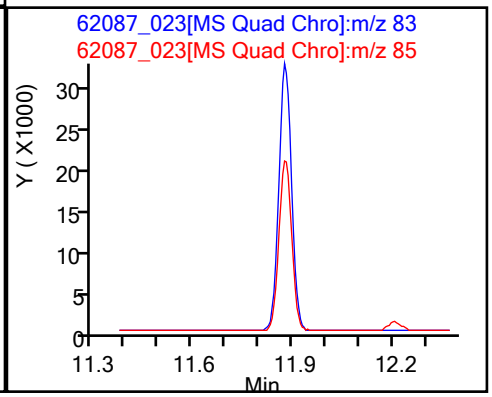












Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

Injection Date: 18-Sep-2024 02:19:39 Instrument ID: CHAM.i

Lims ID: 200-75119-A-5 Lab Sample ID: 200-75119-5

Client ID: RXSV-4

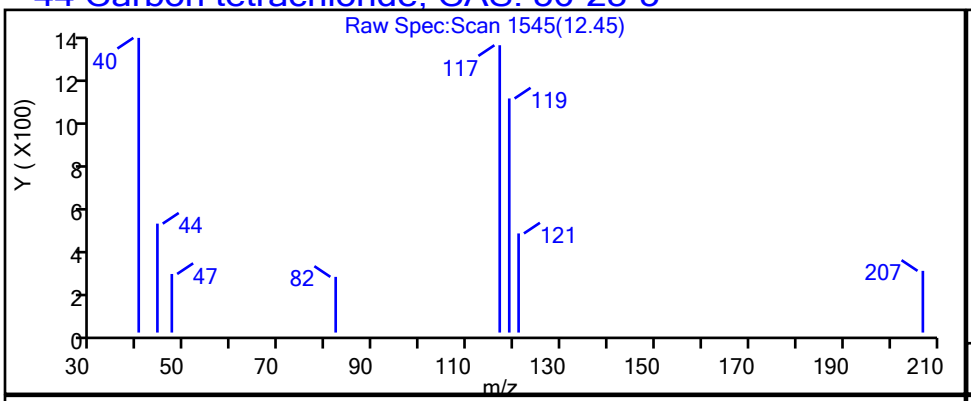
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 23

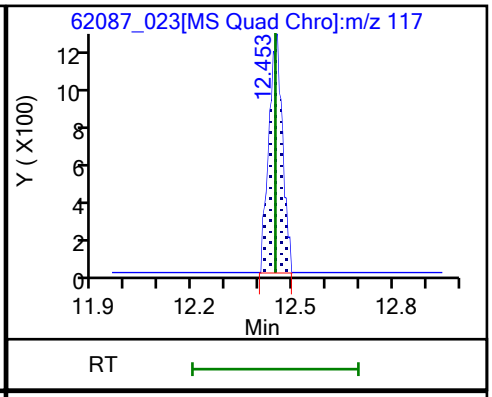
Purge Vol: 200.000 mL Dil. Factor: 1.0000

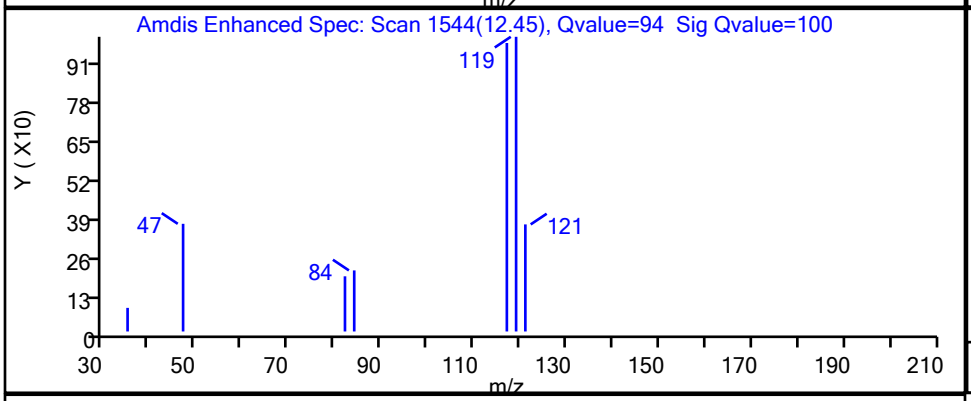
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

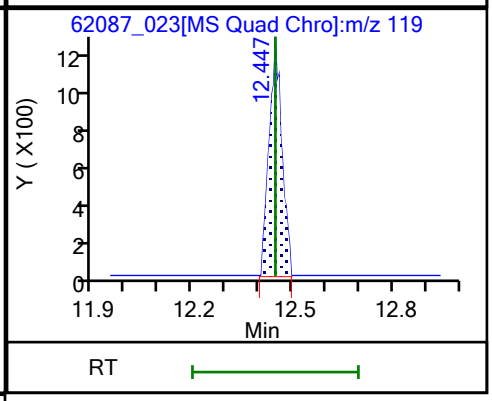
Column: RTX-624 (0.32 mm) Detector MS SCAN

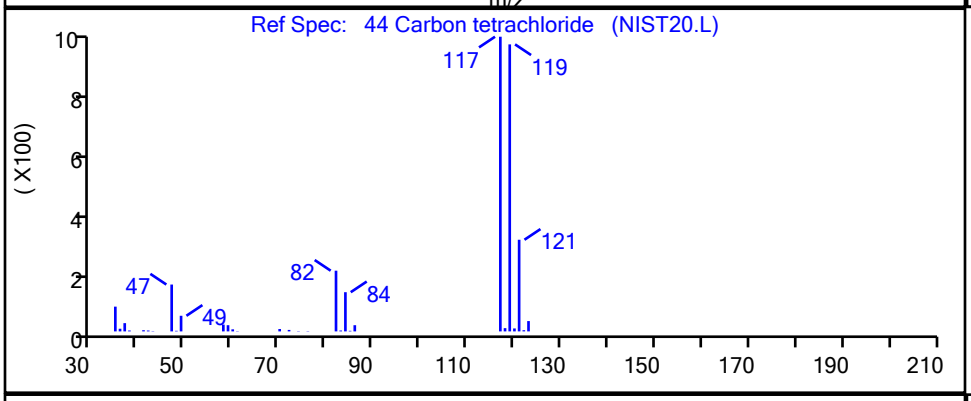
44 Carbon tetrachloride, CAS: 56-23-5

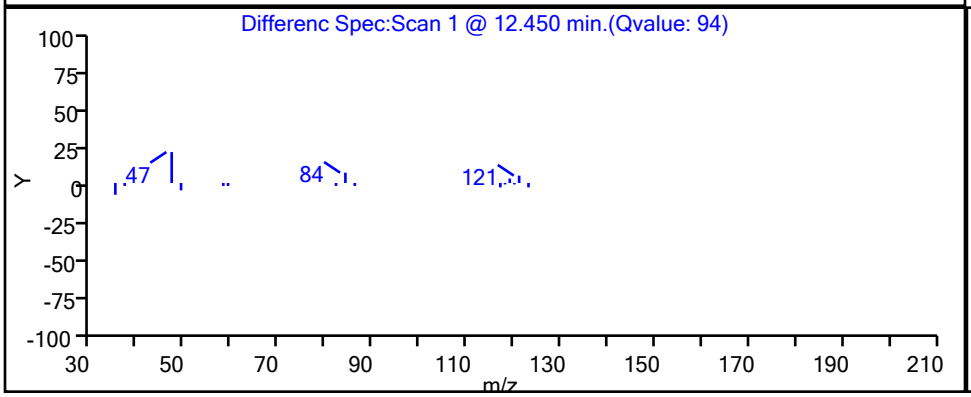


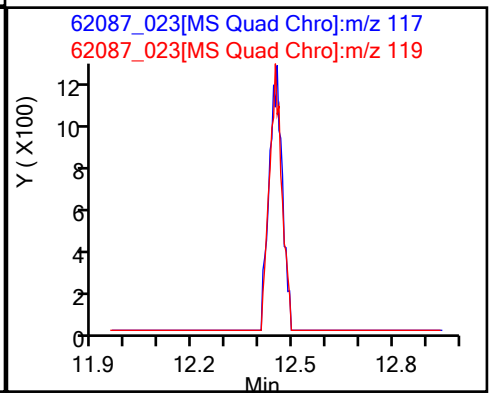












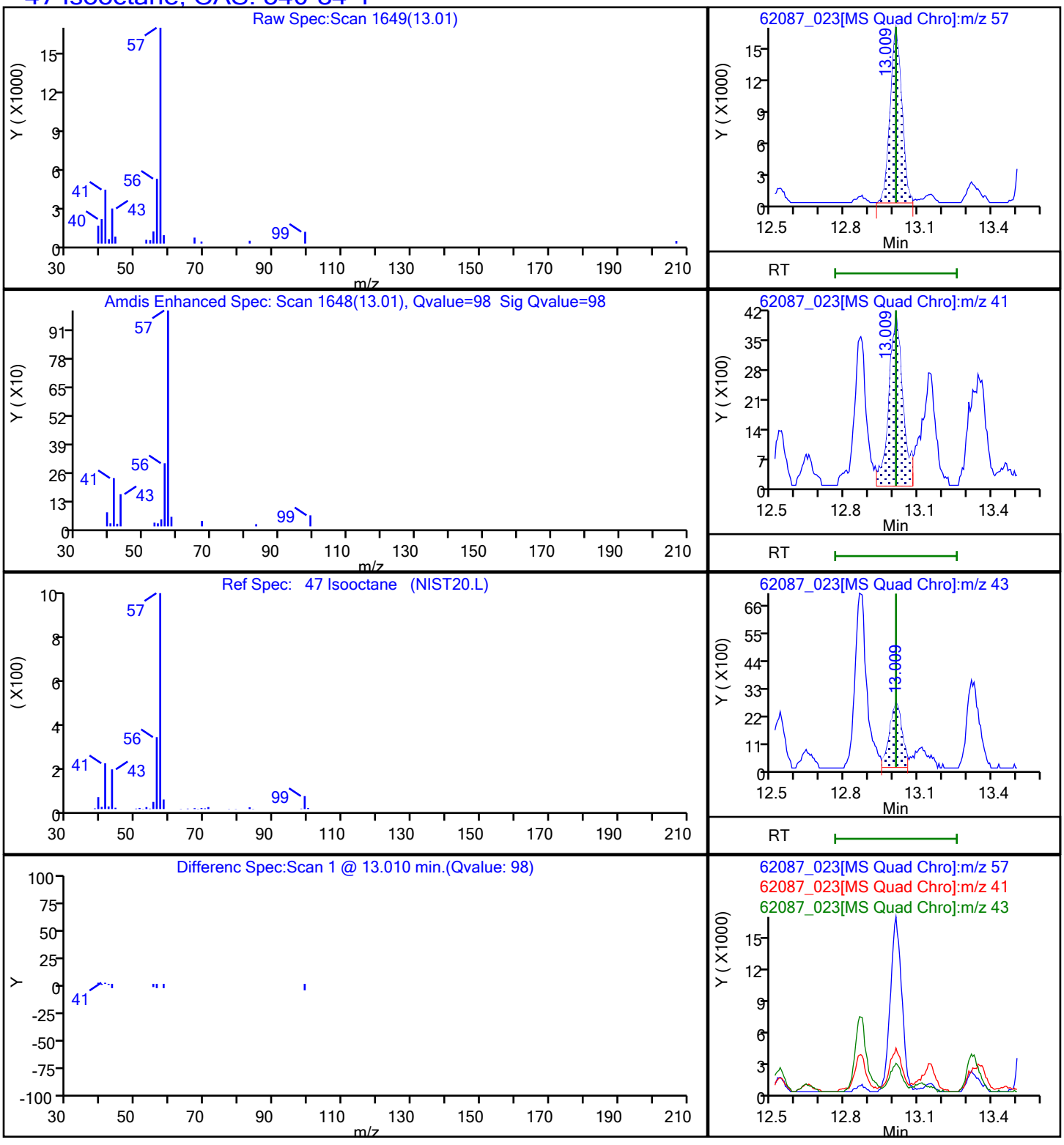
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1



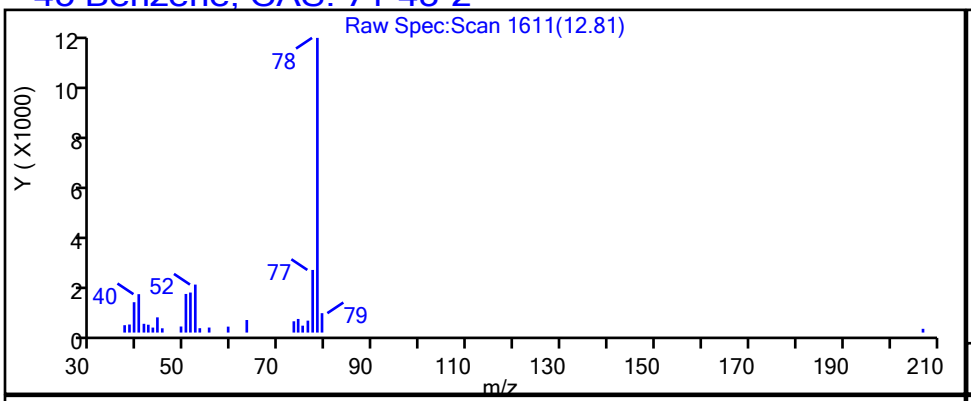
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

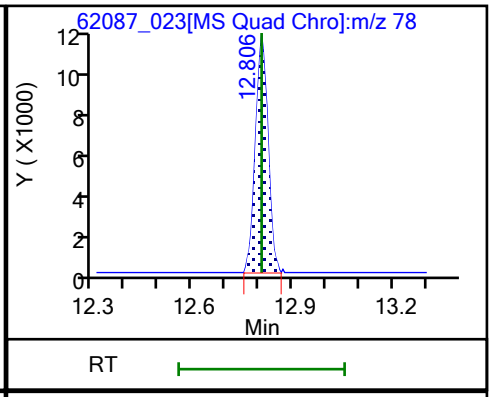
Eurofins Burlington

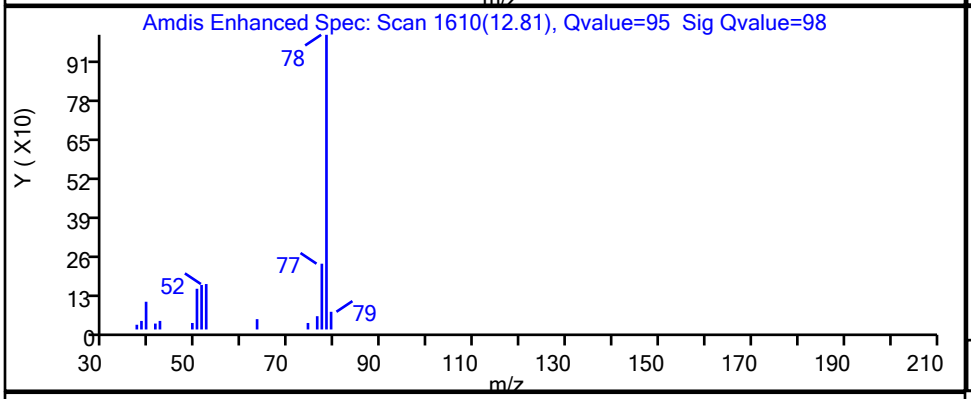
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

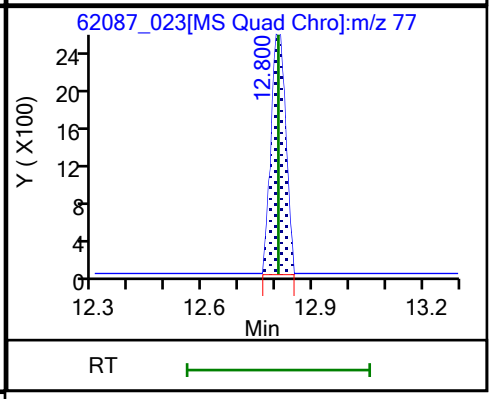
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

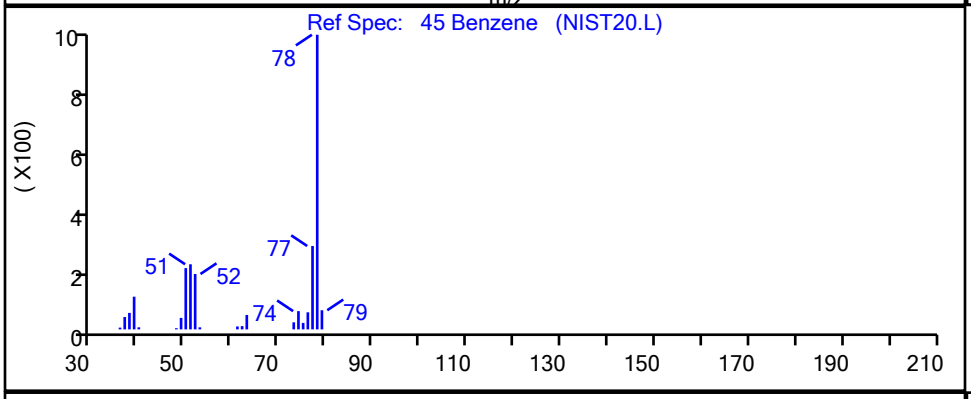
45 Benzene, CAS: 71-43-2

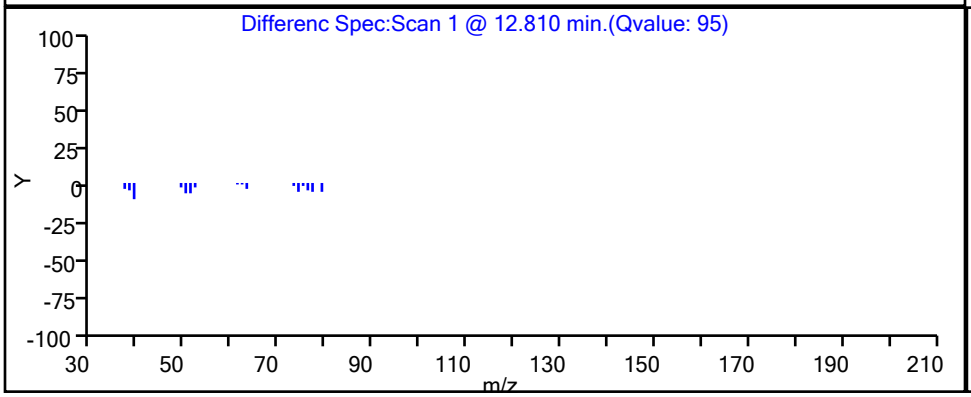


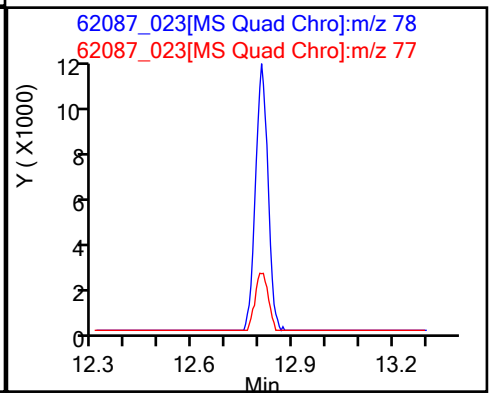












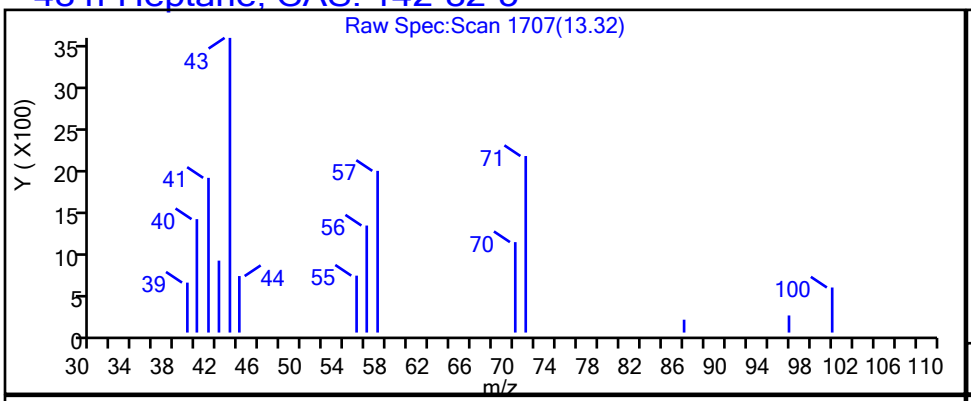
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

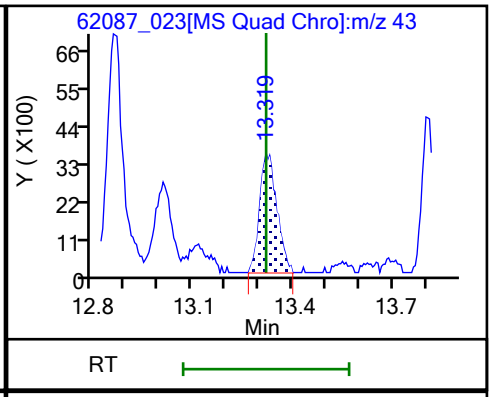
Eurofins Burlington

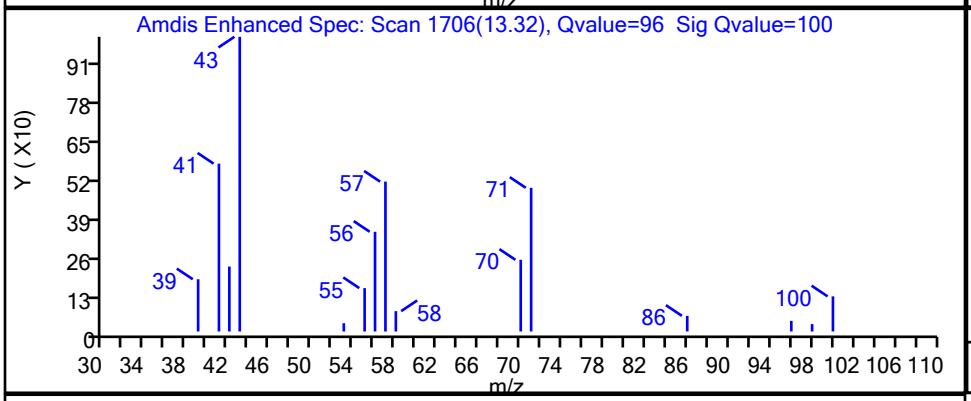
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

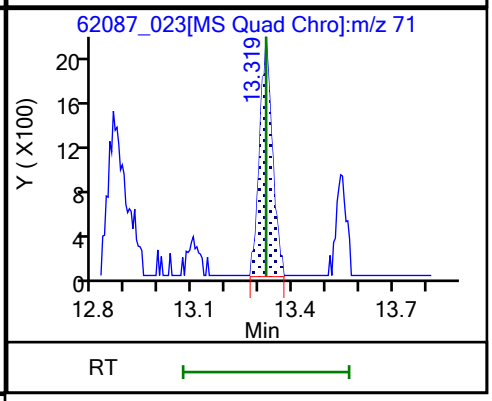
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

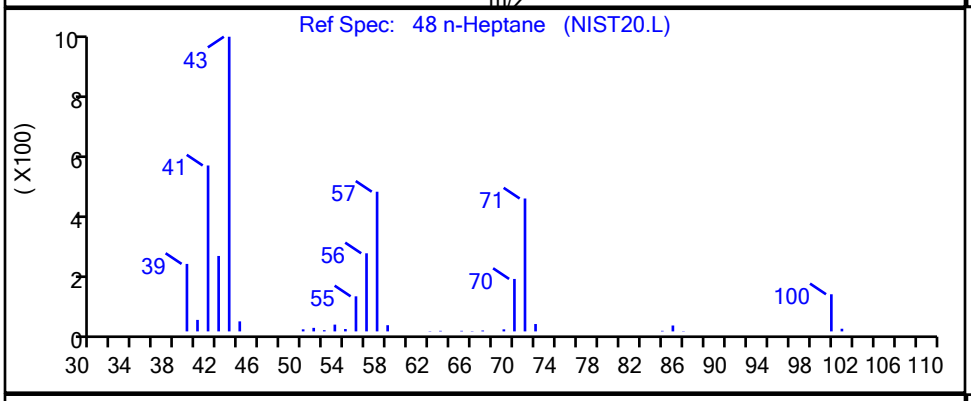
48 n-Heptane, CAS: 142-82-5

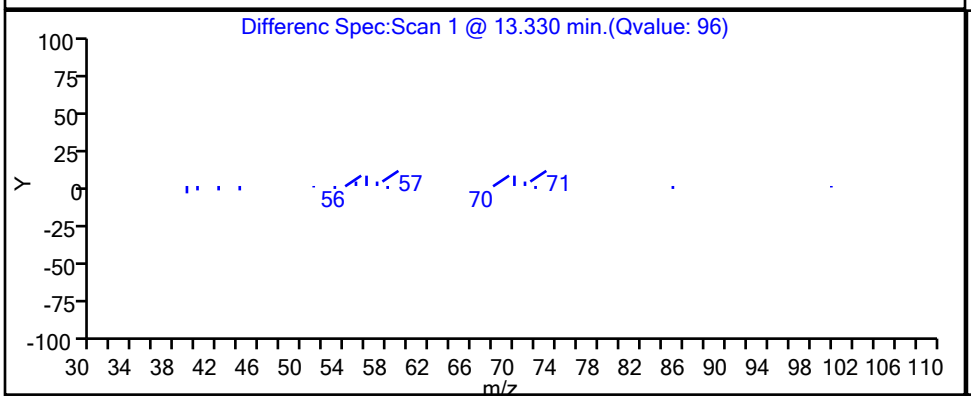


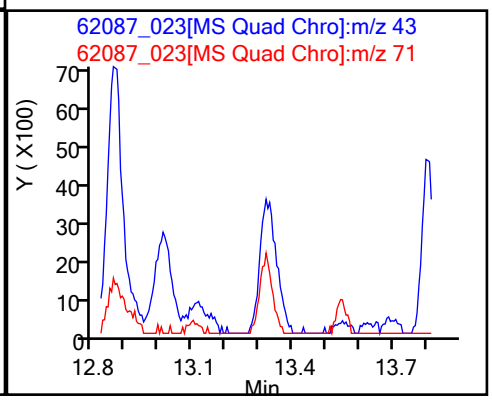












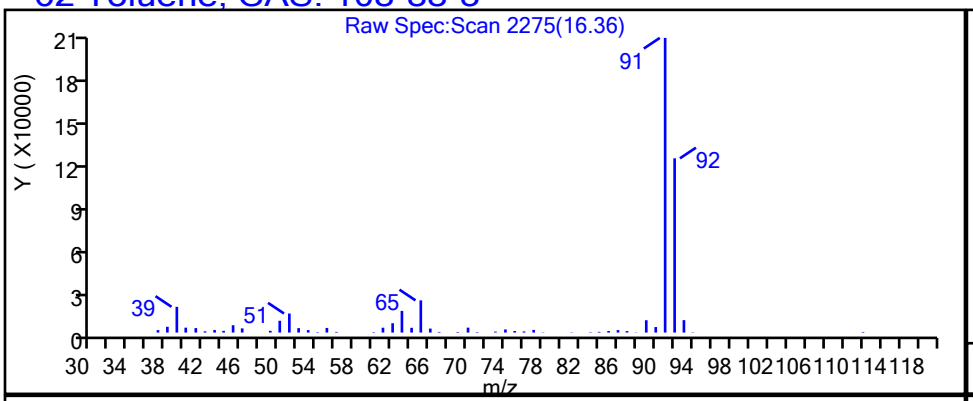
Report Date: 18-Sep-2024 14:12:15 Chrom Revision: 2.3 26-Aug-2024 17:14:48

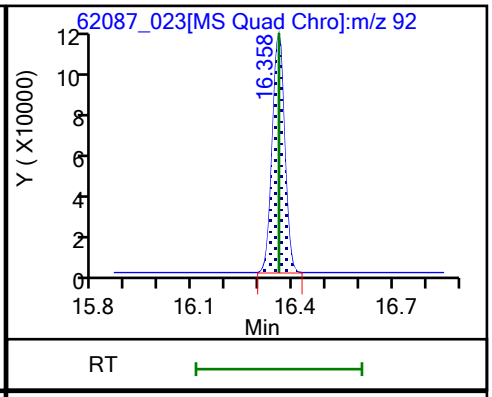
Eurofins Burlington

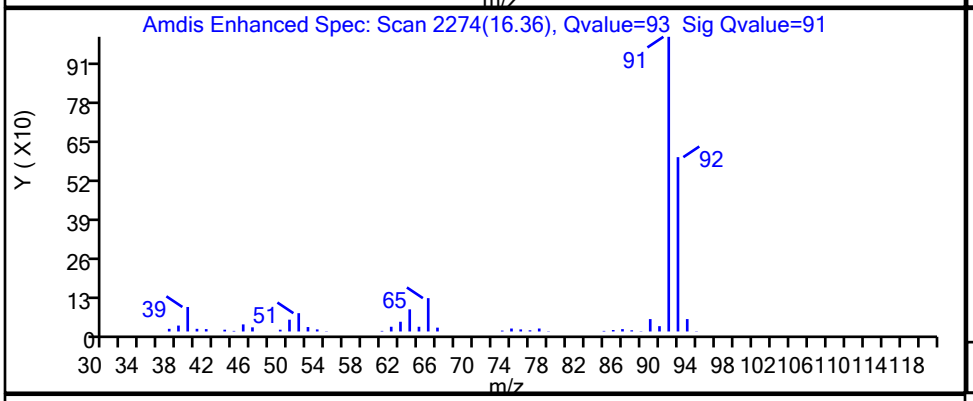
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

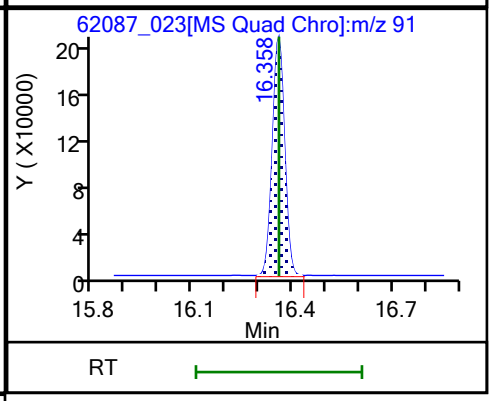
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5
Client ID:	RXSV-4		
Operator ID:	vtp	ALS Bottle#:	0 Worklist Smp#: 23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

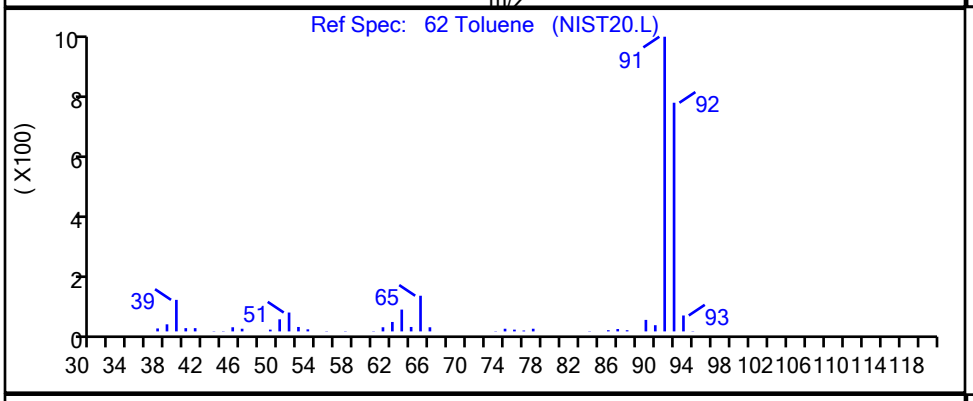
62 Toluene, CAS: 108-88-3

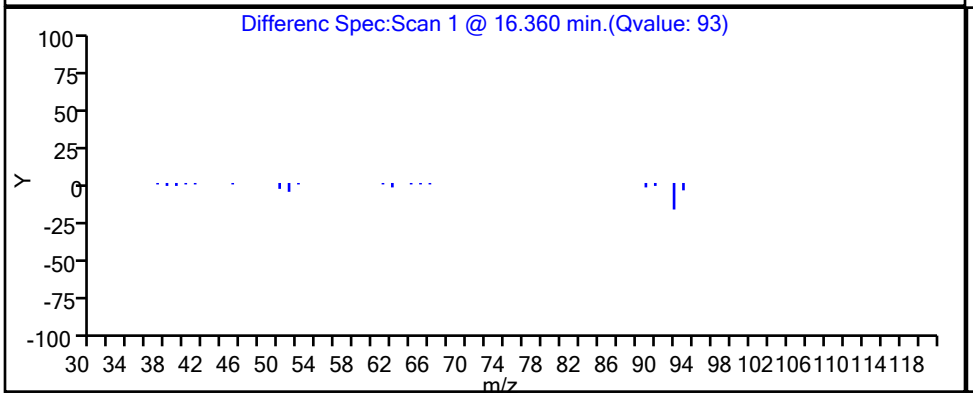


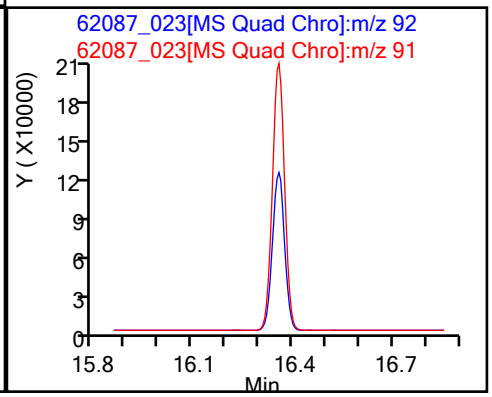












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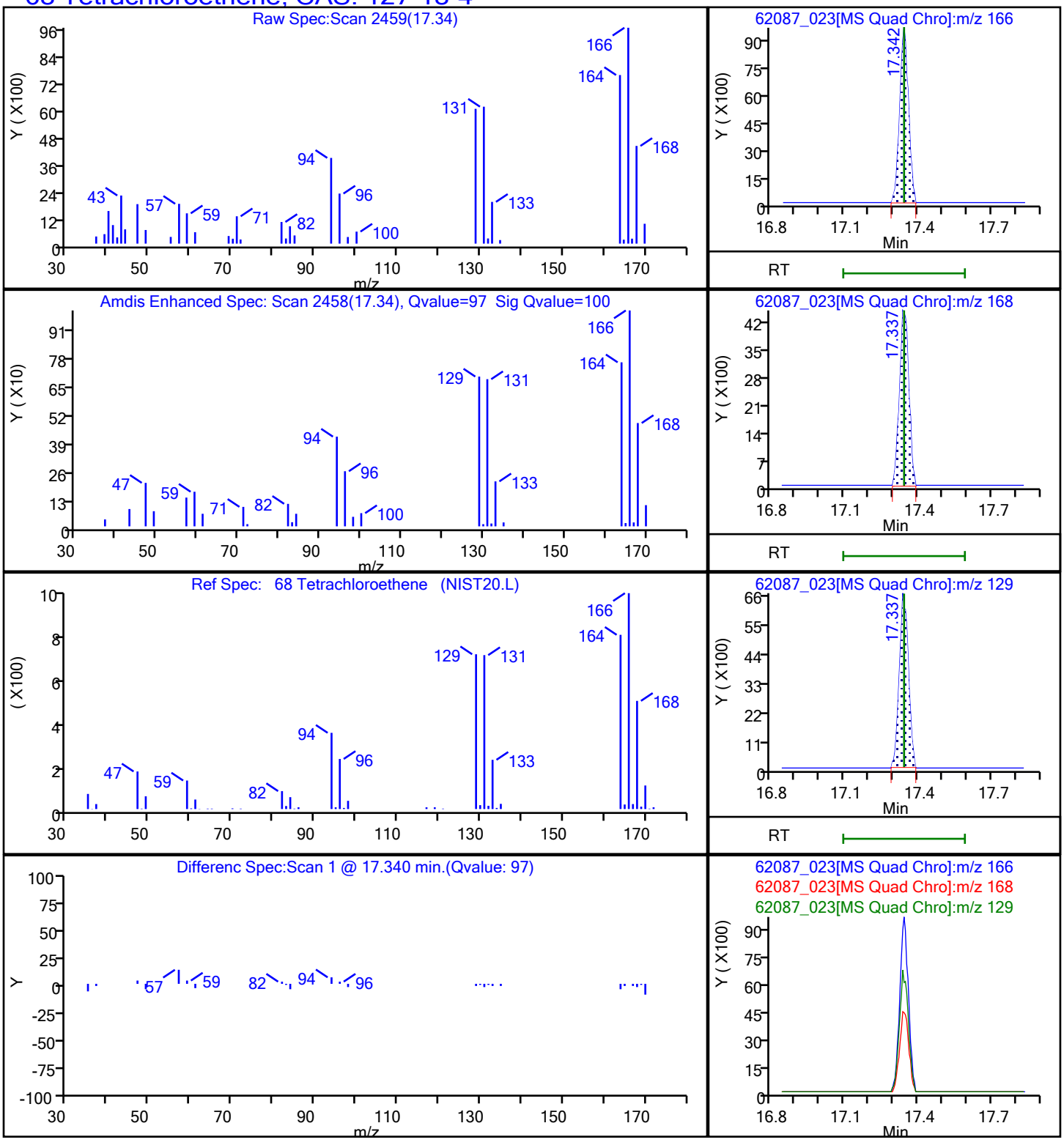
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4



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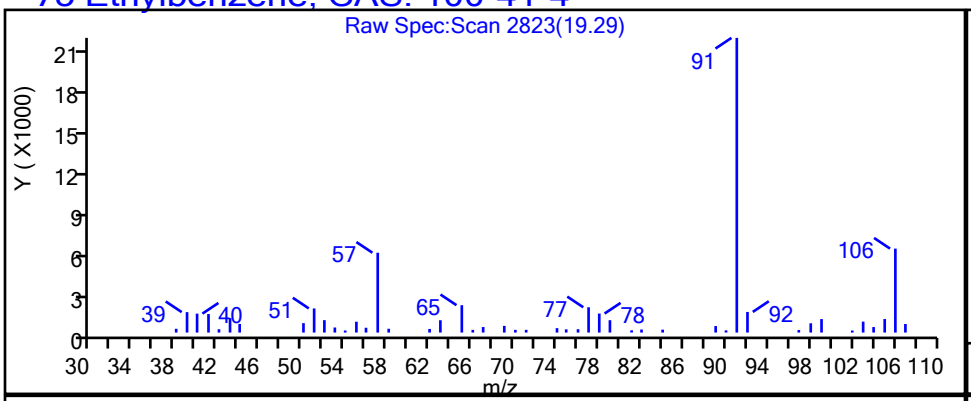
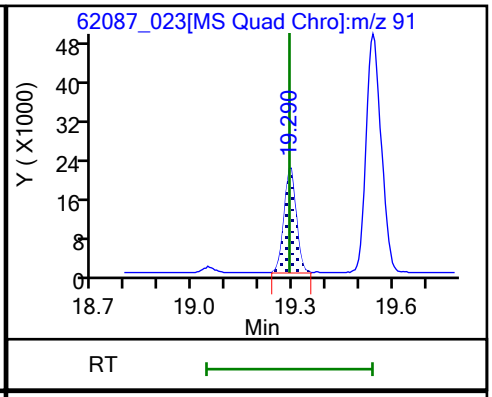
Eurofins Burlington

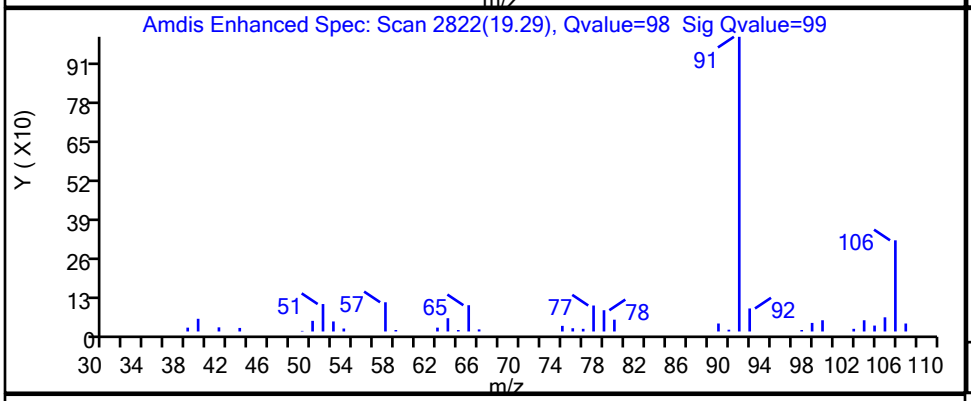
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

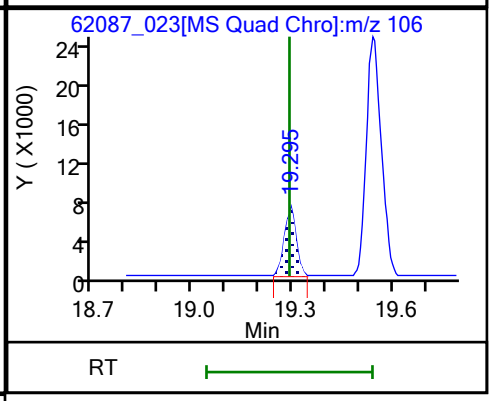
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

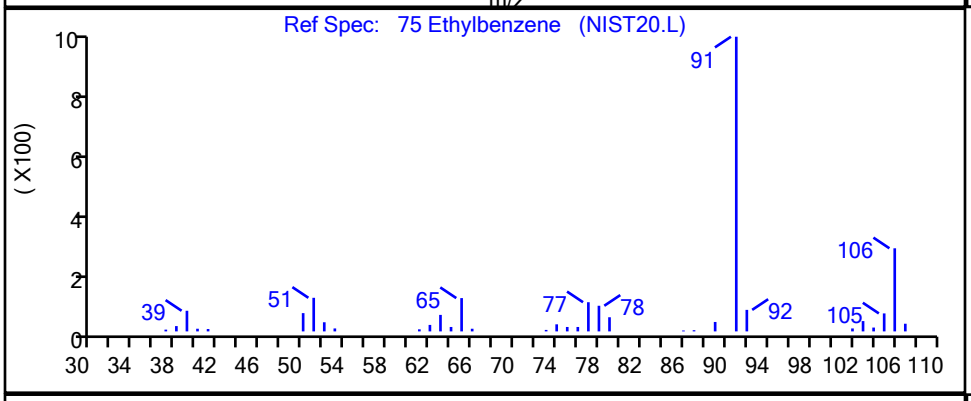
75 Ethylbenzene, CAS: 100-41-4

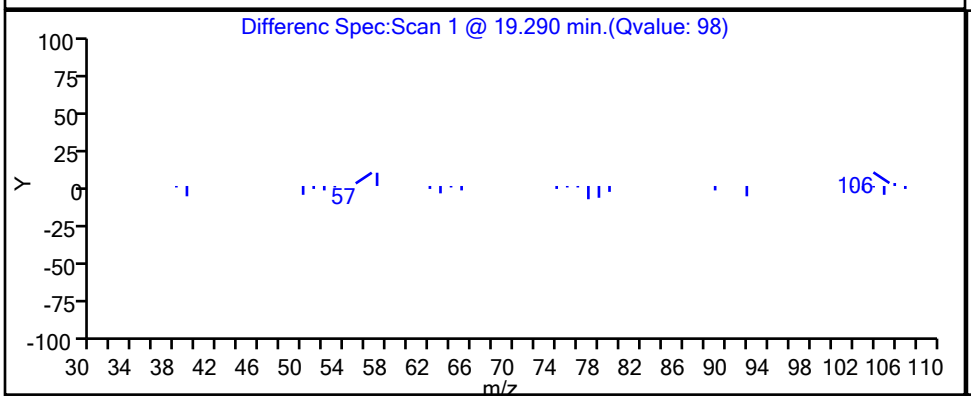


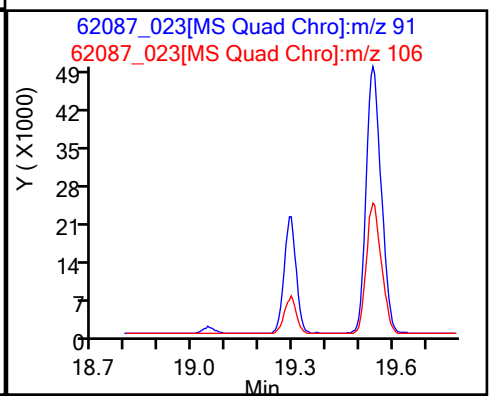










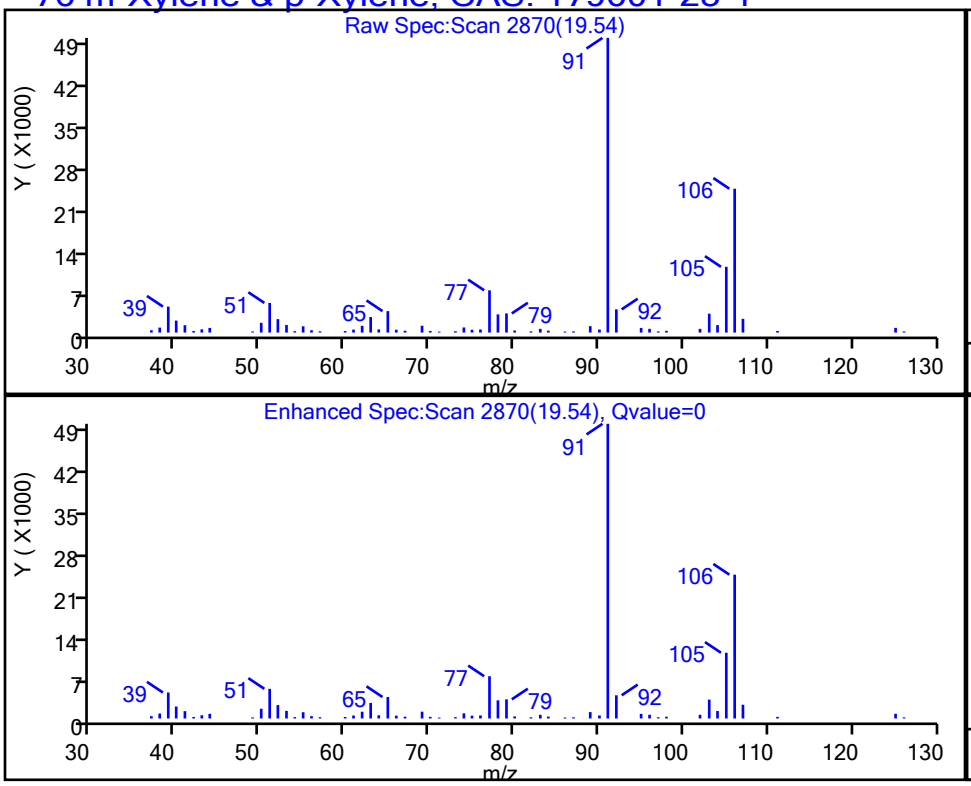


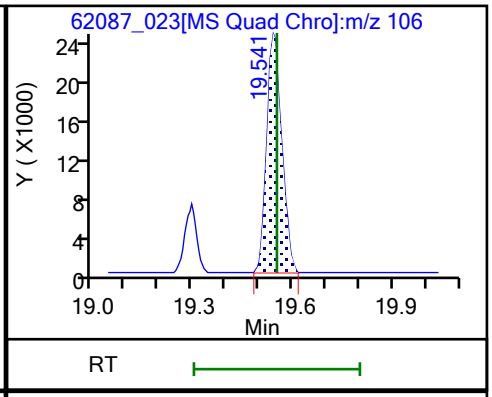
Report Date: 18-Sep-2024 14:12:16 Chrom Revision: 2.3 26-Aug-2024 17:14:48

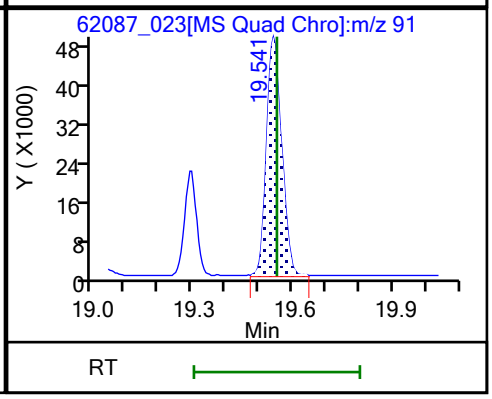
Eurofins Burlington

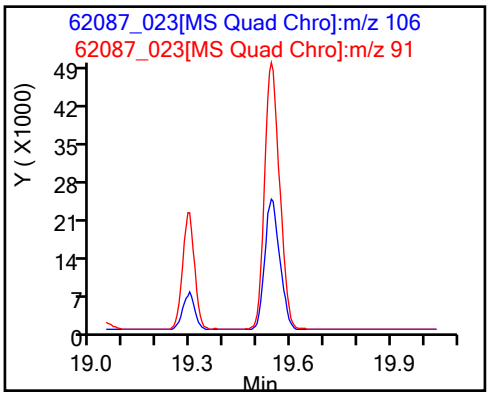
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1









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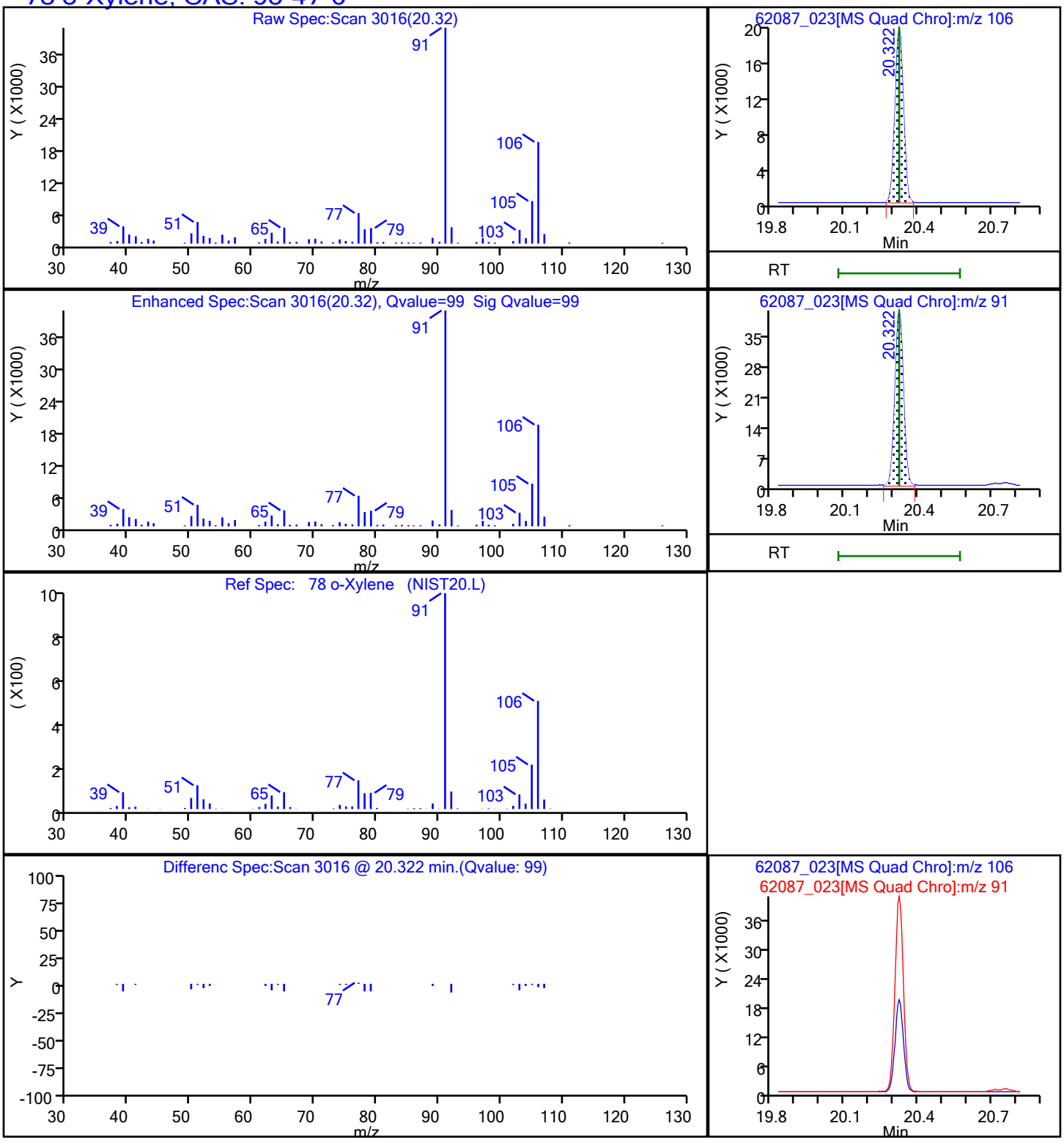
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 o-Xylene, CAS: 95-47-6



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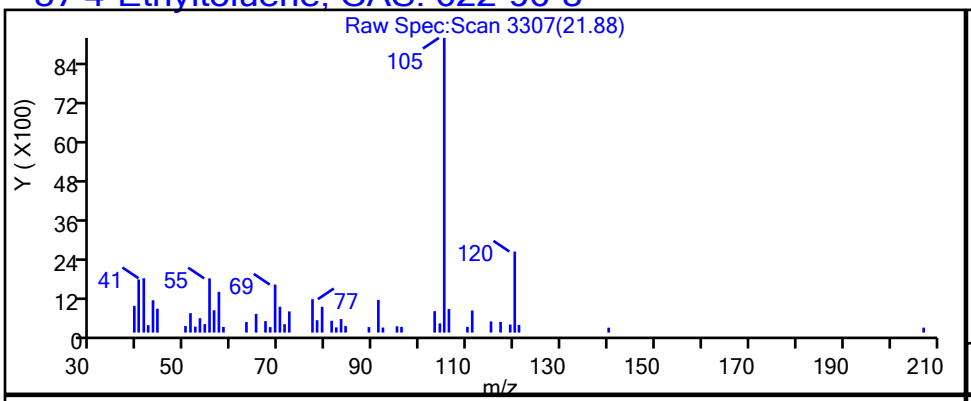
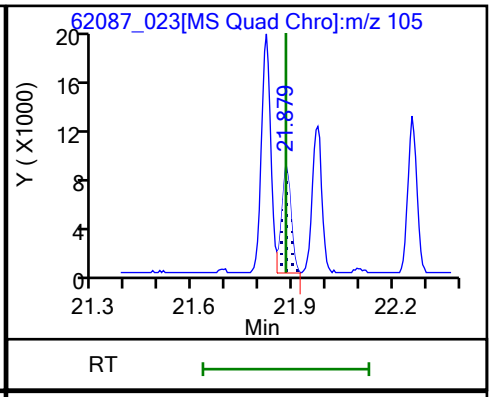
Eurofins Burlington

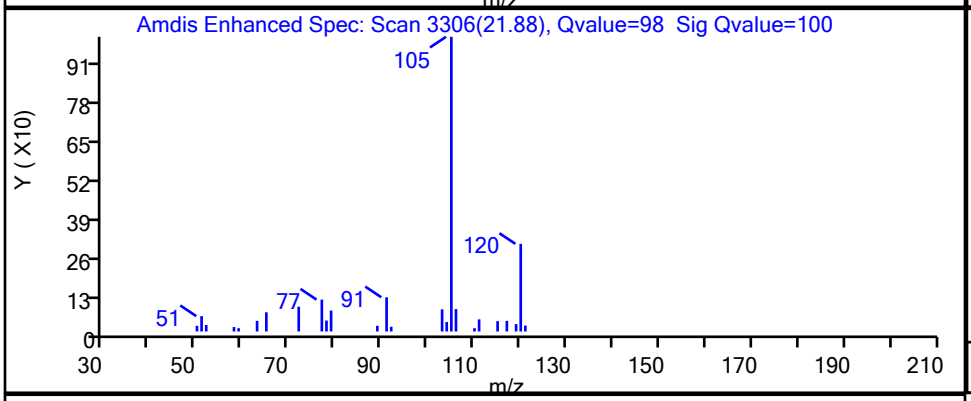
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

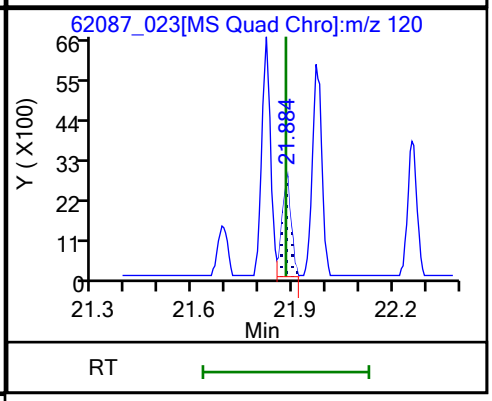
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

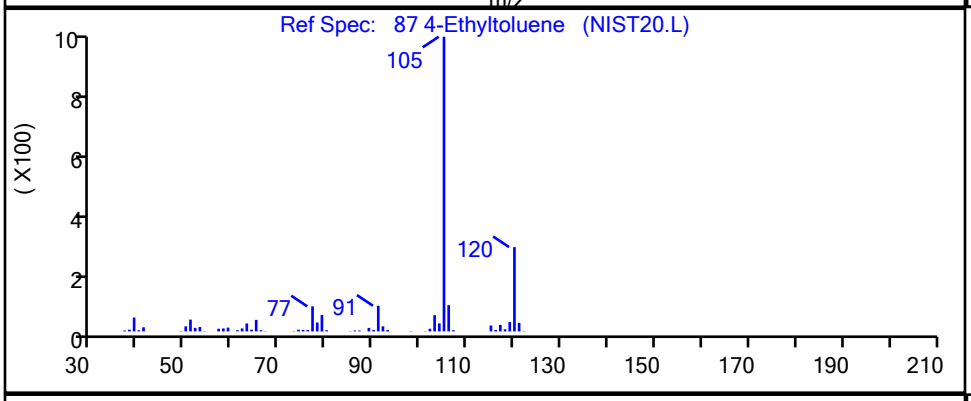
87 4-Ethyltoluene, CAS: 622-96-8

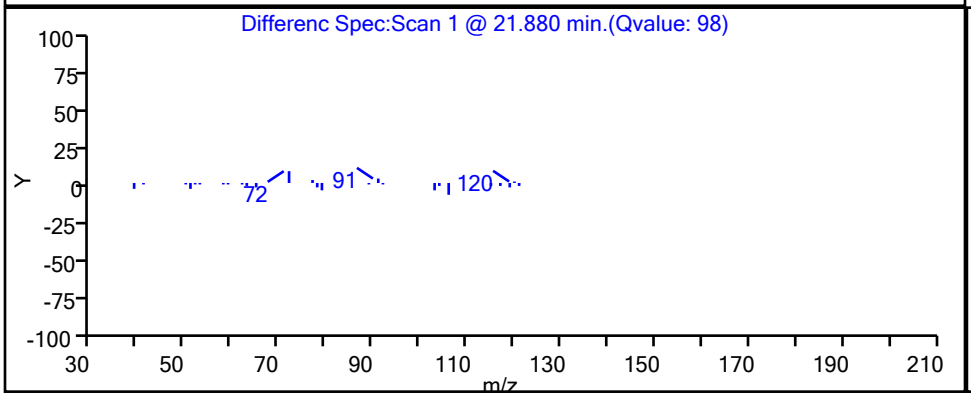


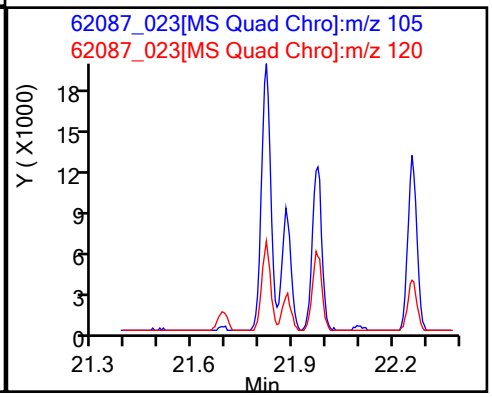












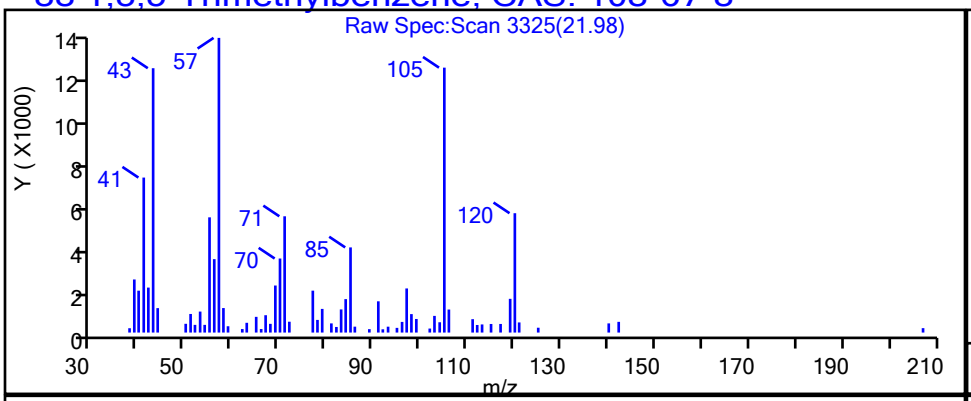
Report Date: 18-Sep-2024 14:12:16 Chrom Revision: 2.3 26-Aug-2024 17:14:48

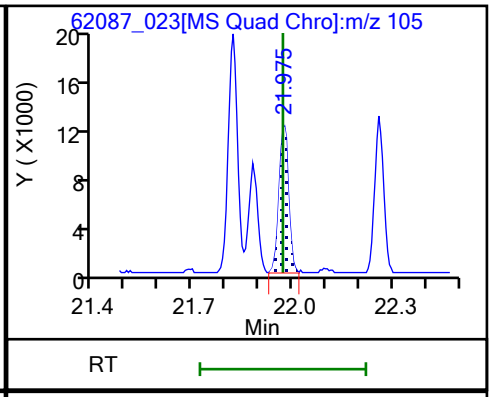
Eurofins Burlington

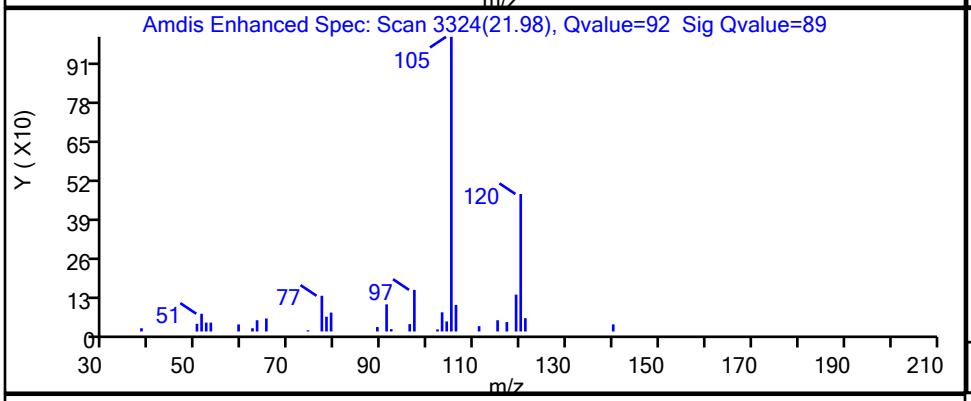
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D

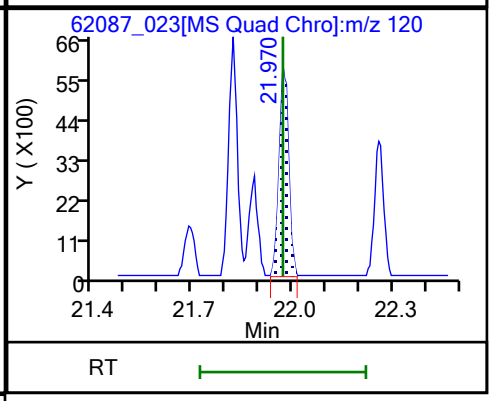
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

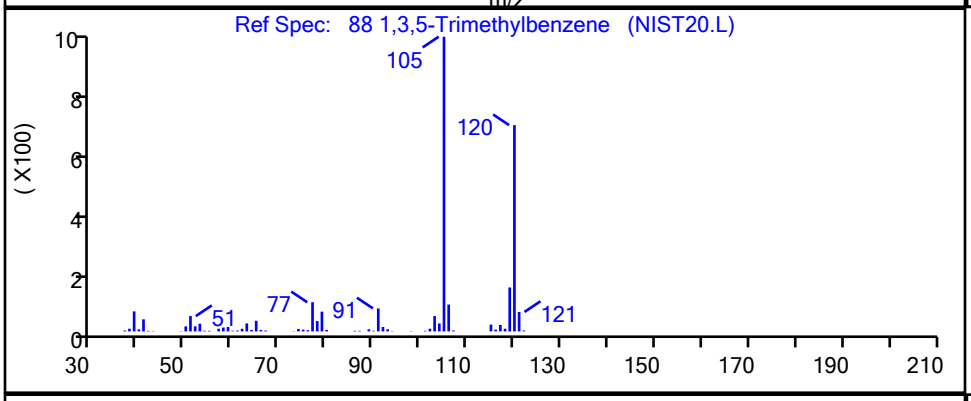
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

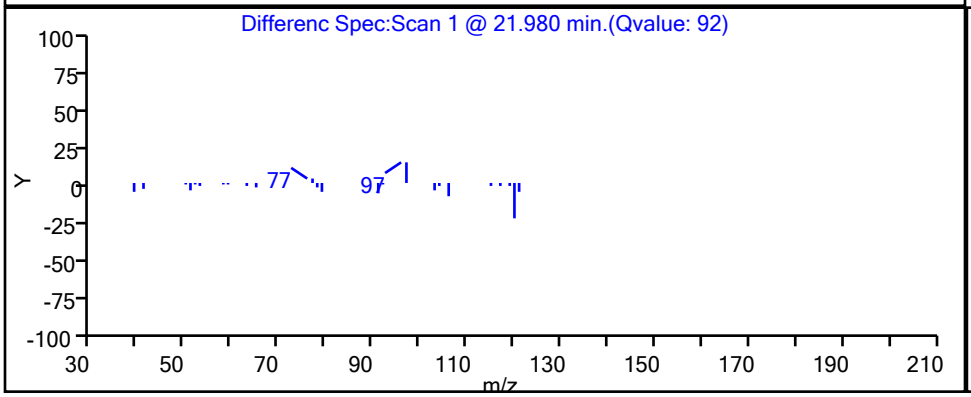


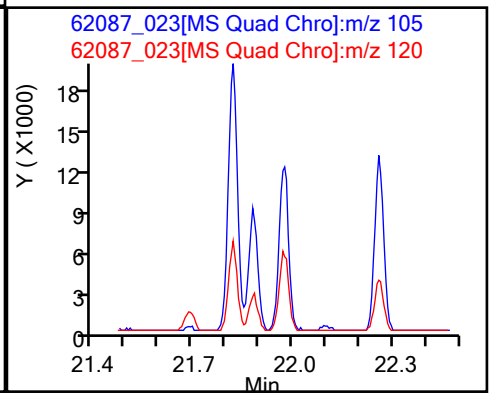










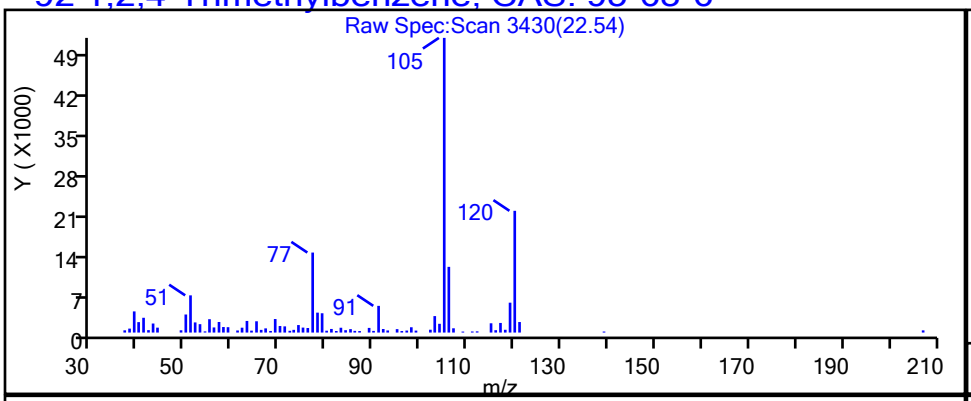


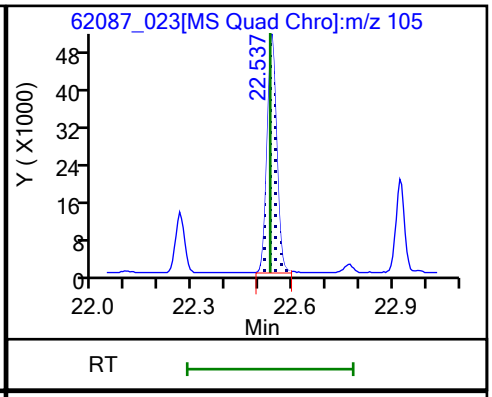
Report Date: 18-Sep-2024 14:12:16 Chrom Revision: 2.3 26-Aug-2024 17:14:48

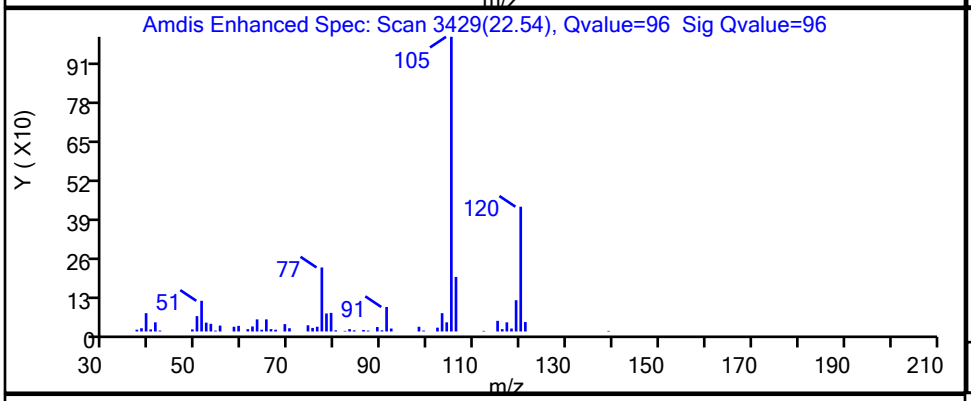
Eurofins Burlington

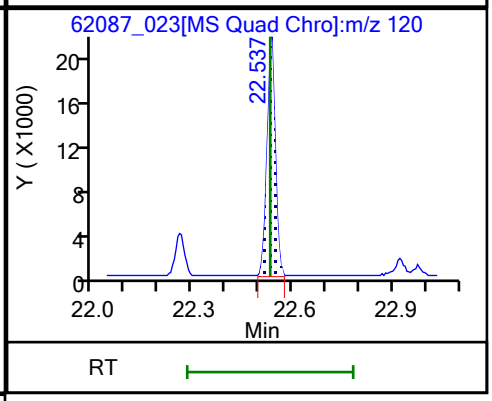
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

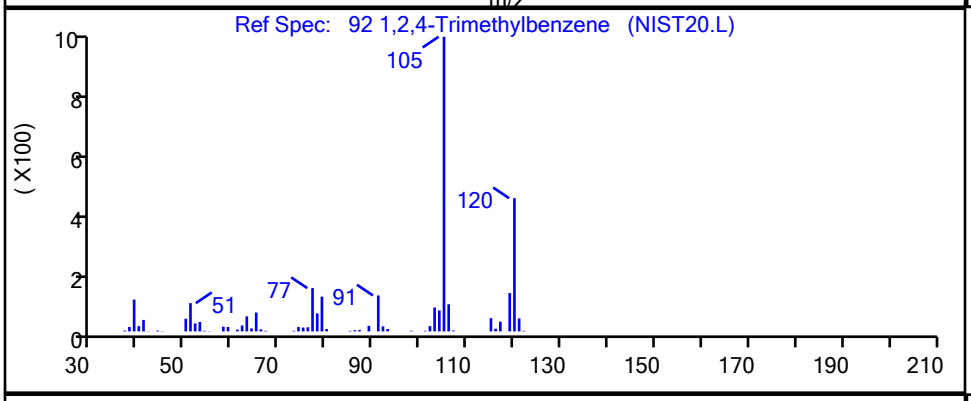
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

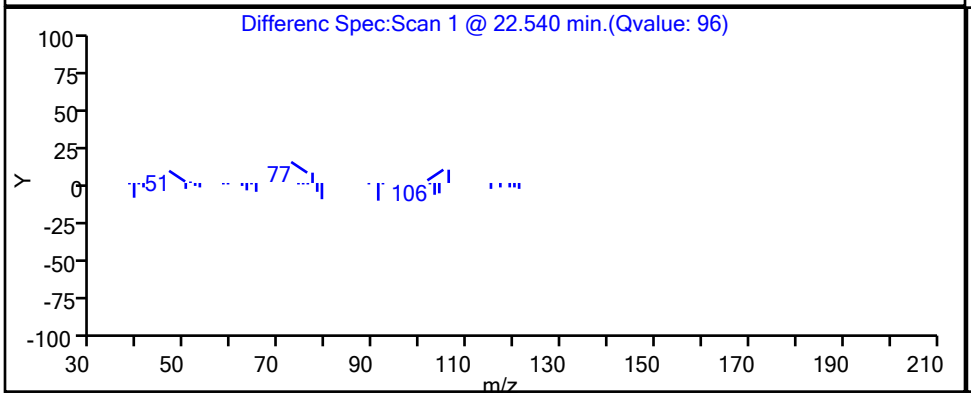


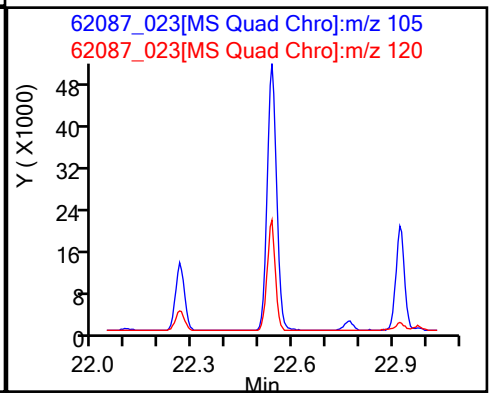












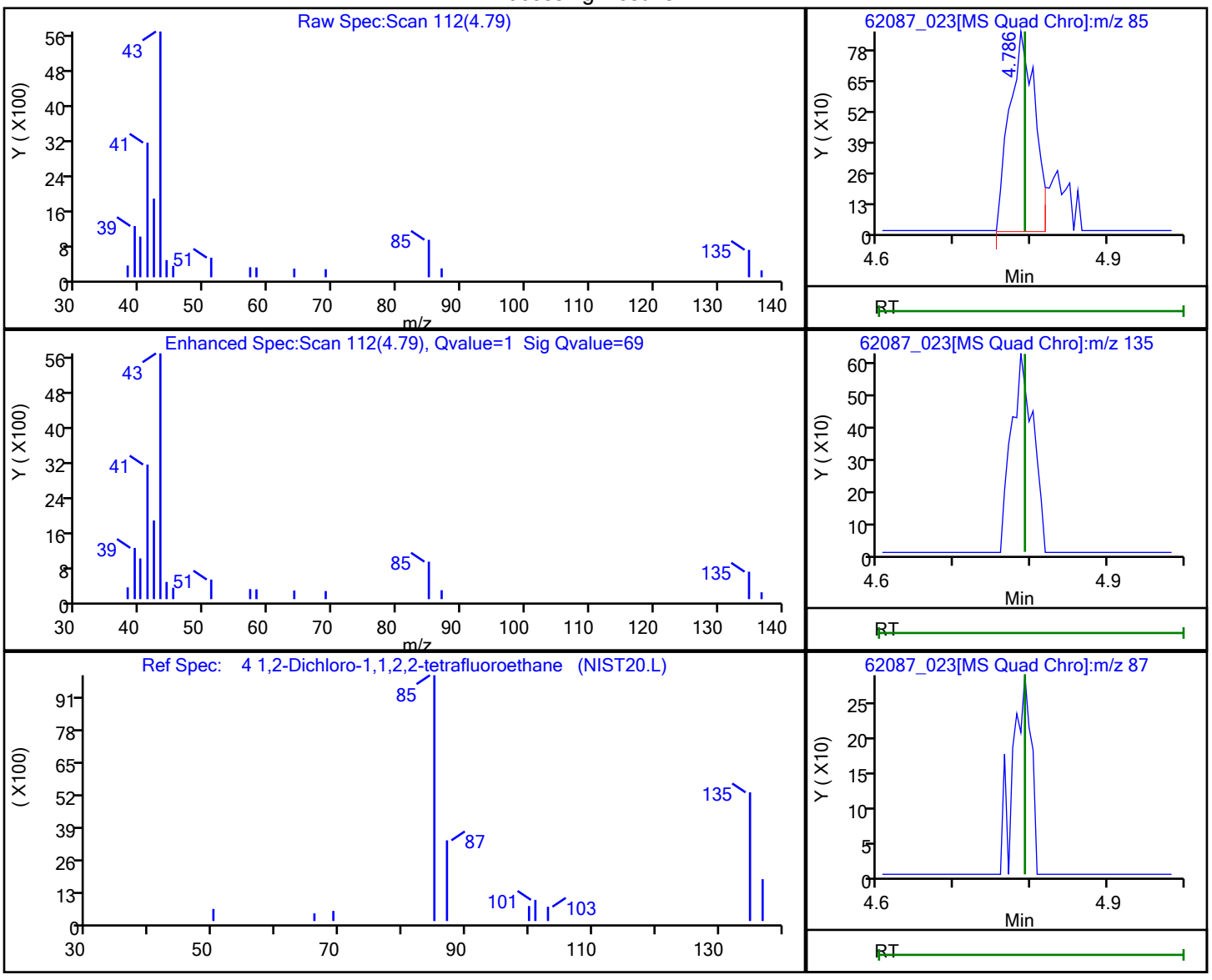
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
4.79	85.00	1974	0.014257
4.79	135.00	0	
4.79	87.00	0	

Reviewer: F7XK, 18-Sep-2024 14:08:21 07:00:00 (UTC)

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

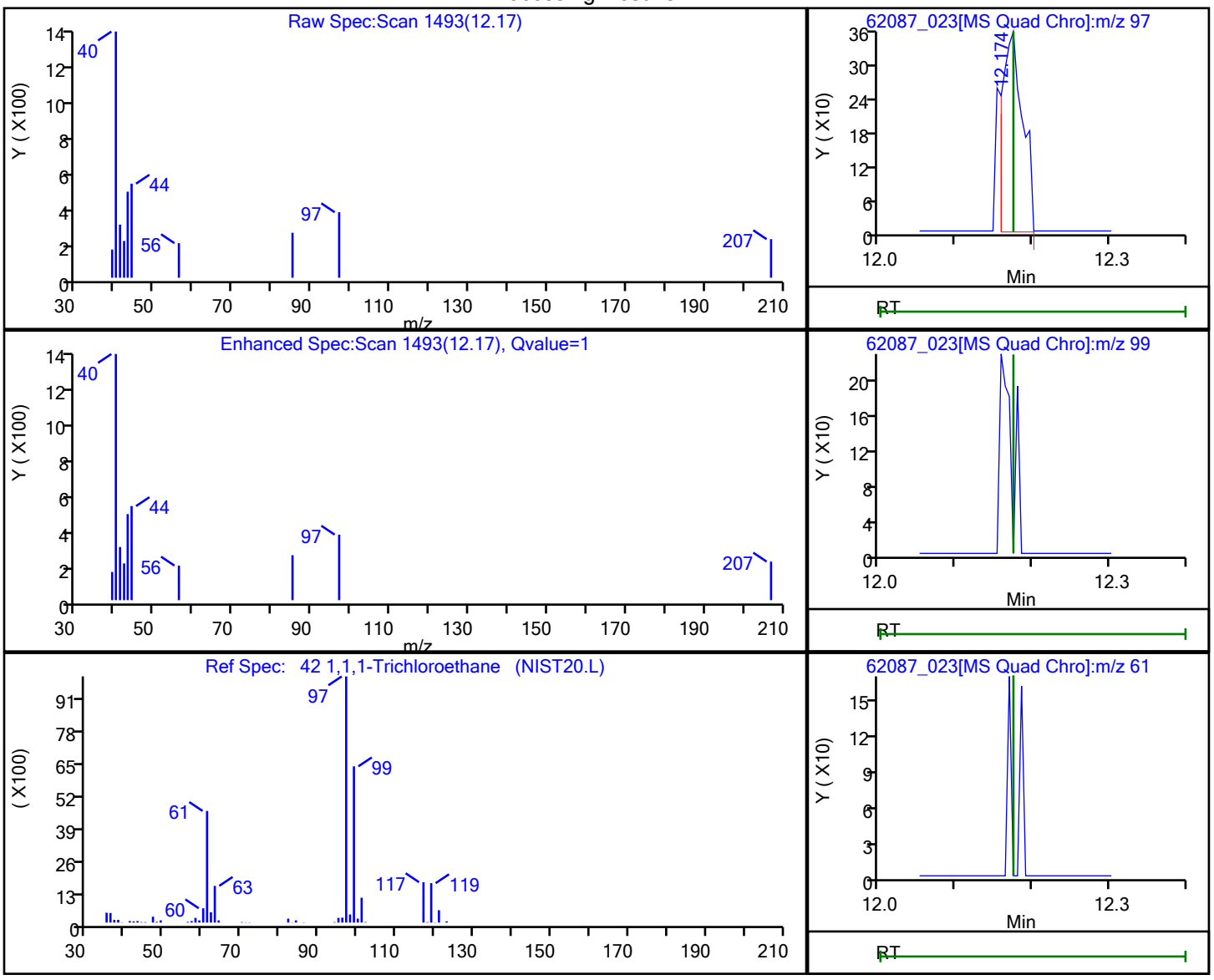
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 1,1,1-Trichloroethane, CAS: 71-55-6

Processing Results



RT	Mass	Response	Amount
12.17	97.00	657	0.005569
12.17	99.00	0	
12.17	61.00	0	

Reviewer: F7XK, 18-Sep-2024 14:09:13 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

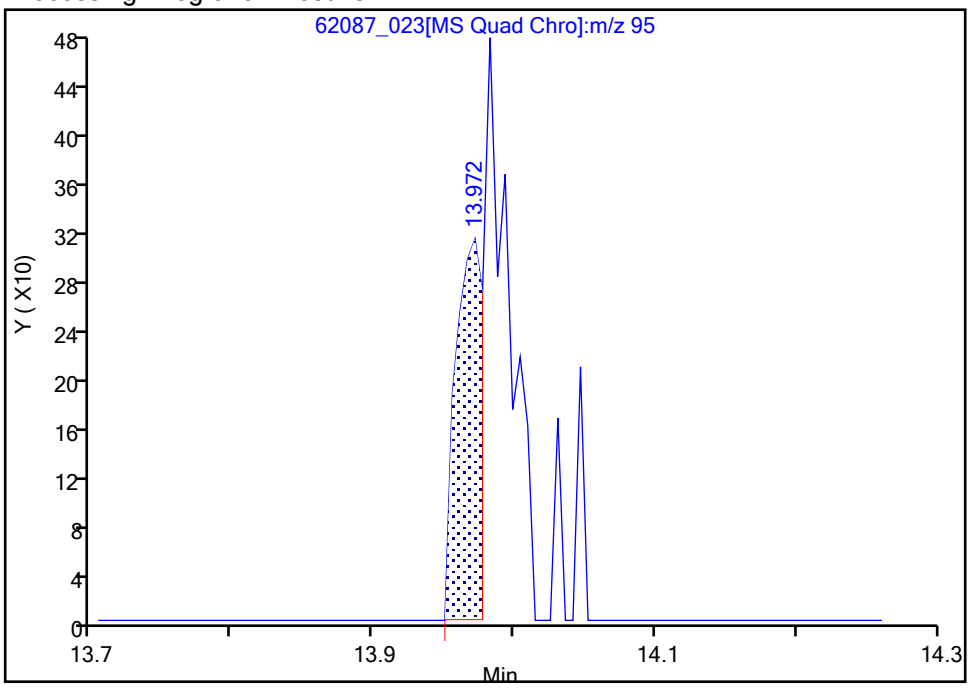
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Trichloroethene, CAS: 79-01-6

Signal: 1

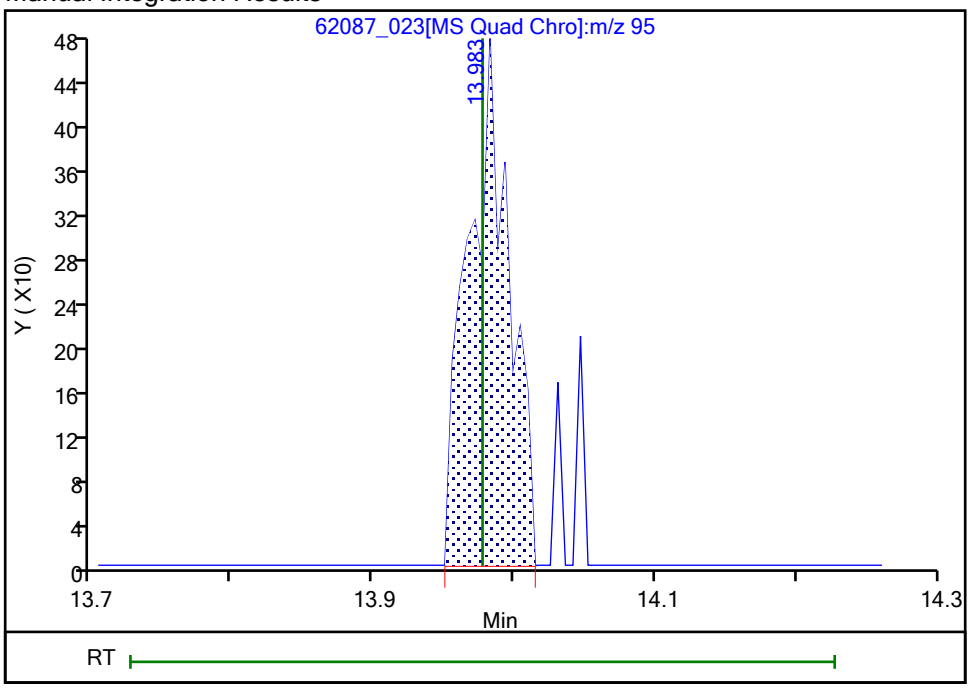
Processing Integration Results

RT: 13.97
Area: 423
Amount: 0.005261
Amount Units: ppb v/v



Manual Integration Results

RT: 13.98
Area: 960
Amount: 0.011939
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 14:09:36 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

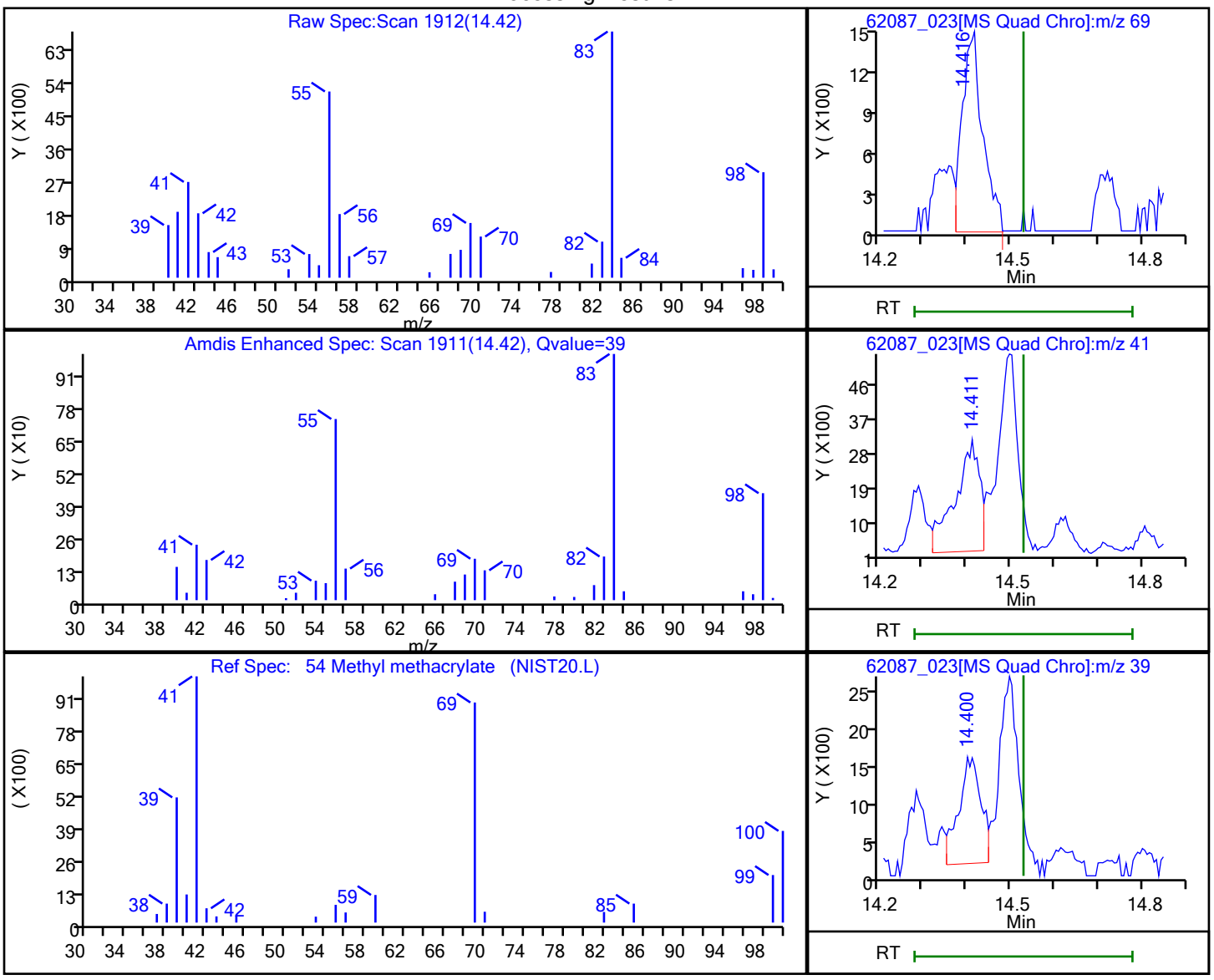
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.42	69.00	4865	0.081163
14.41	41.00	11505	
14.40	39.00	5019	

Reviewer: F7XK, 18-Sep-2024 14:09:45 07:00:00 (UTC)

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

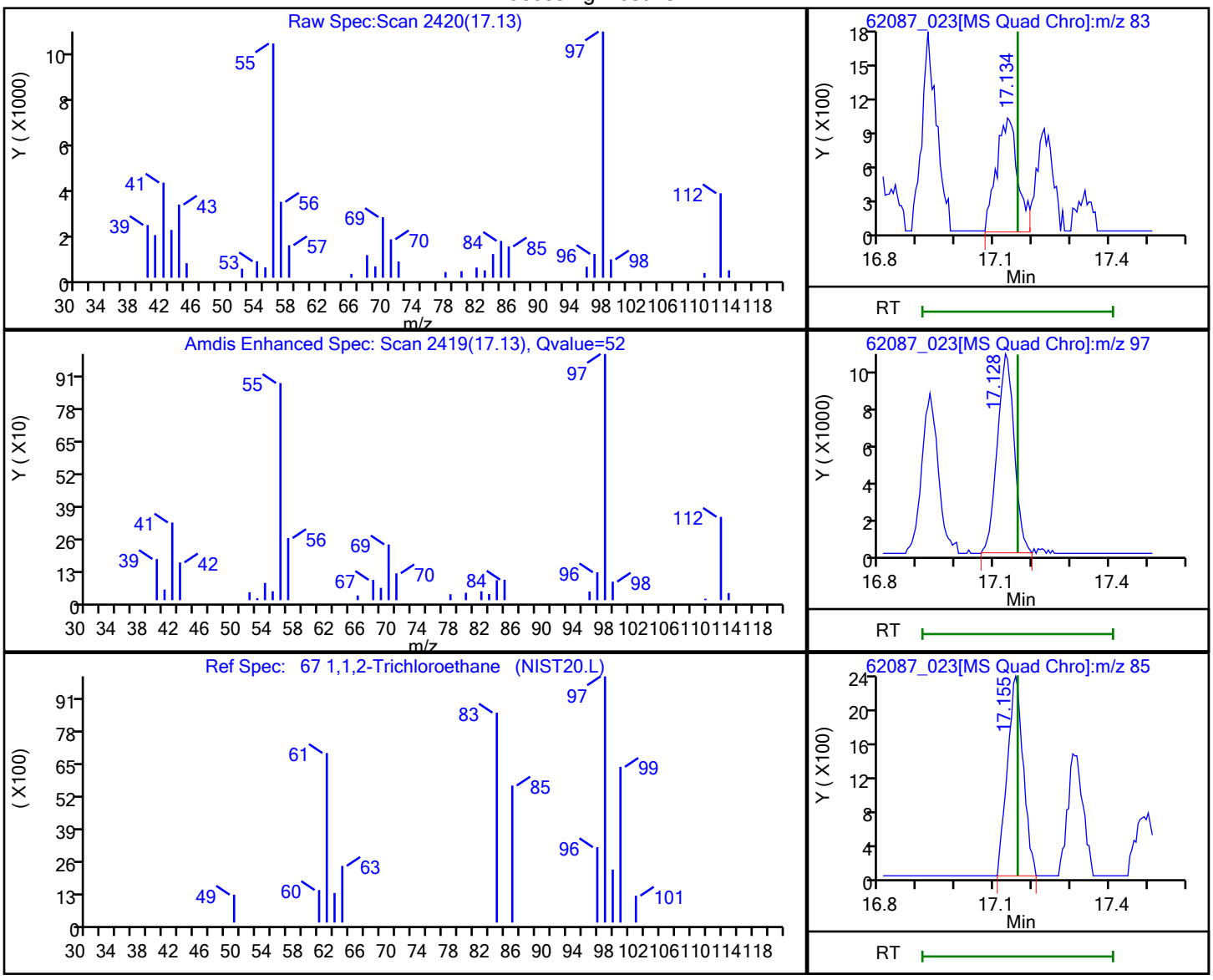
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.13	83.00	3820	0.061625
17.13	97.00	32575	
17.15	85.00	6725	

Reviewer: F7XK, 18-Sep-2024 14:10:02 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

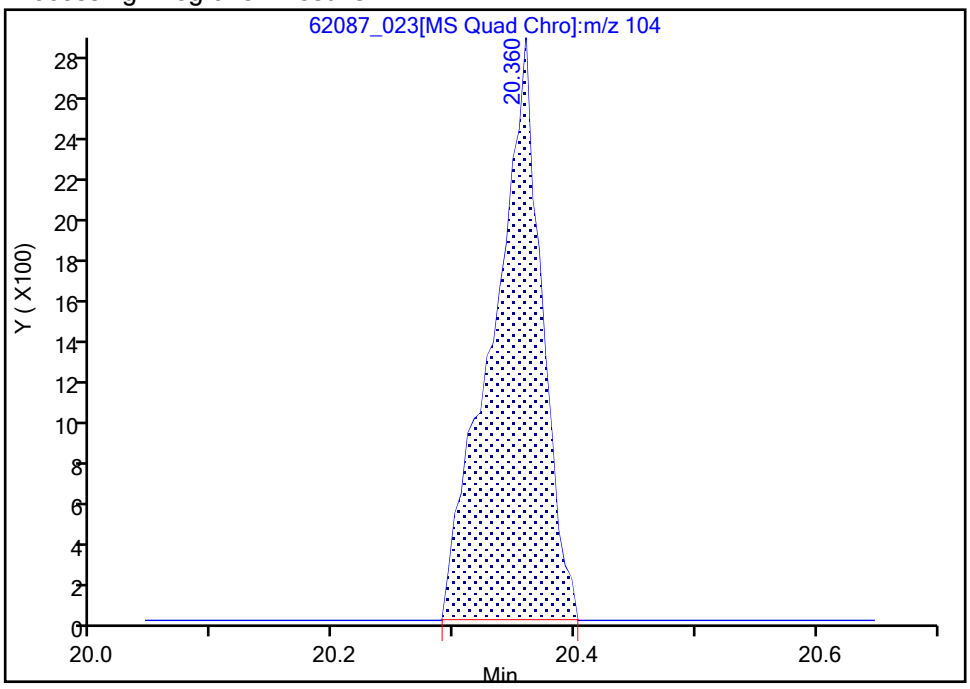
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Styrene, CAS: 100-42-5

Signal: 1

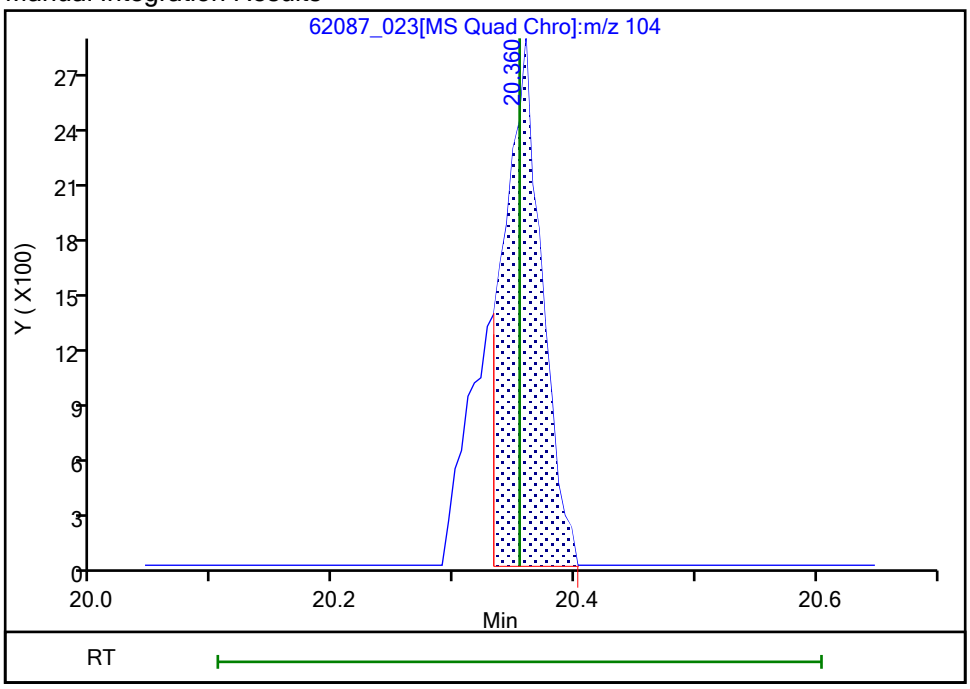
Processing Integration Results

RT: 20.36
Area: 8051
Amount: 0.051087
Amount Units: ppb v/v



Manual Integration Results

RT: 20.36
Area: 6247
Amount: 0.039640
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 14:10:44 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

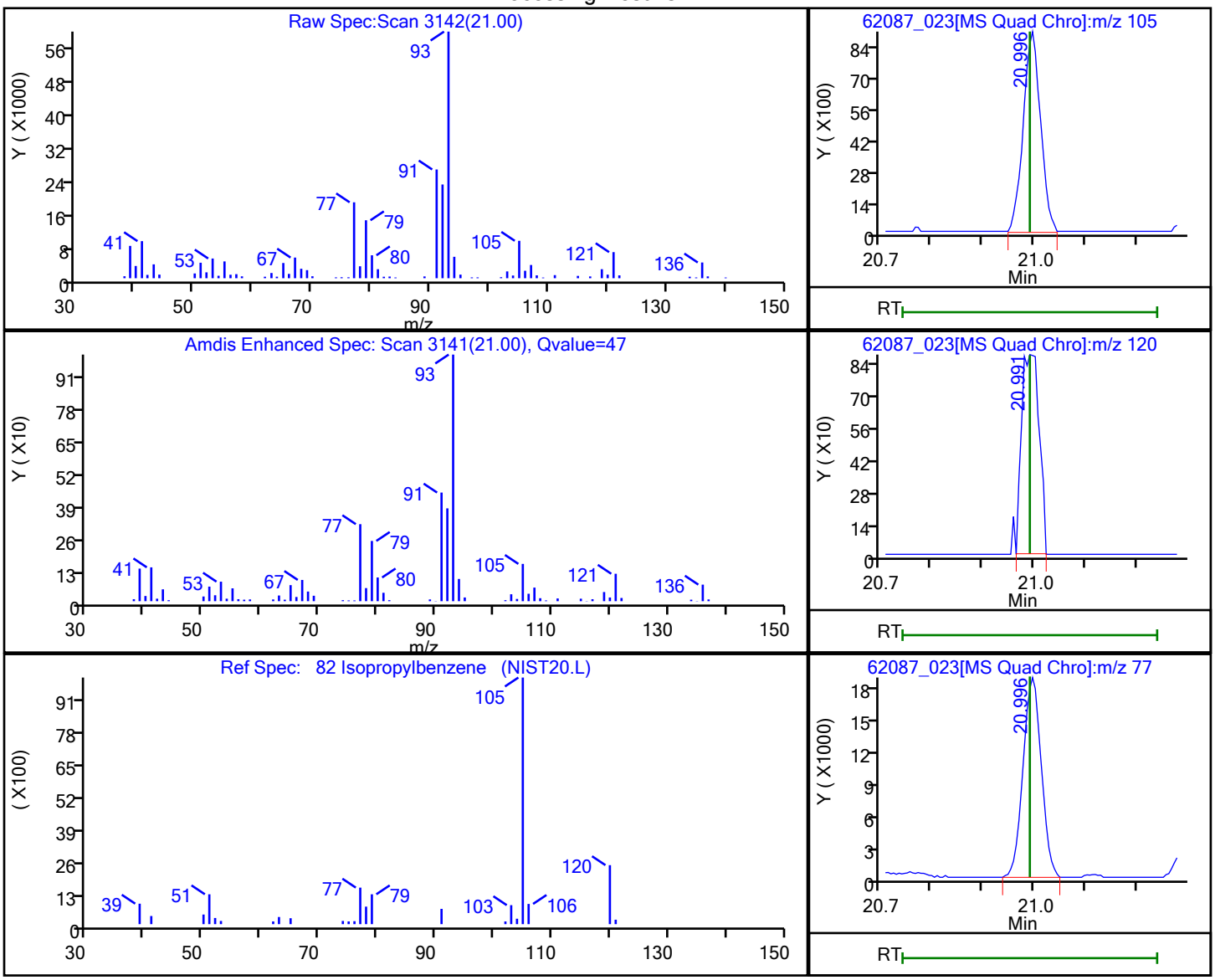
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
21.00	105.00	21342	0.074227
20.99	120.00	2115	
21.00	77.00	46026	

Reviewer: F7XK, 18-Sep-2024 14:10:54 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

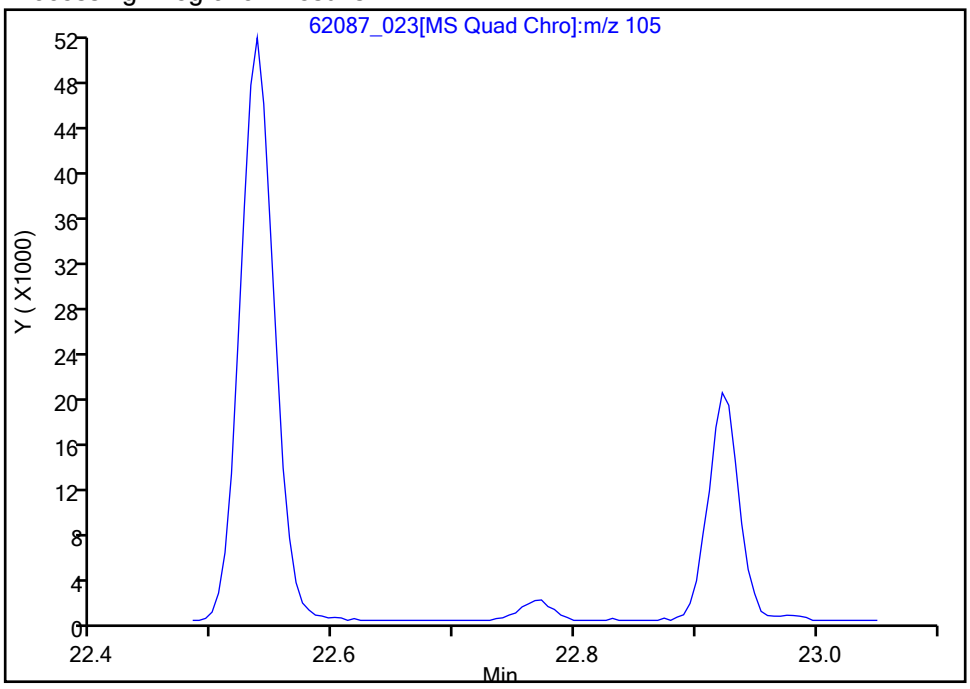
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

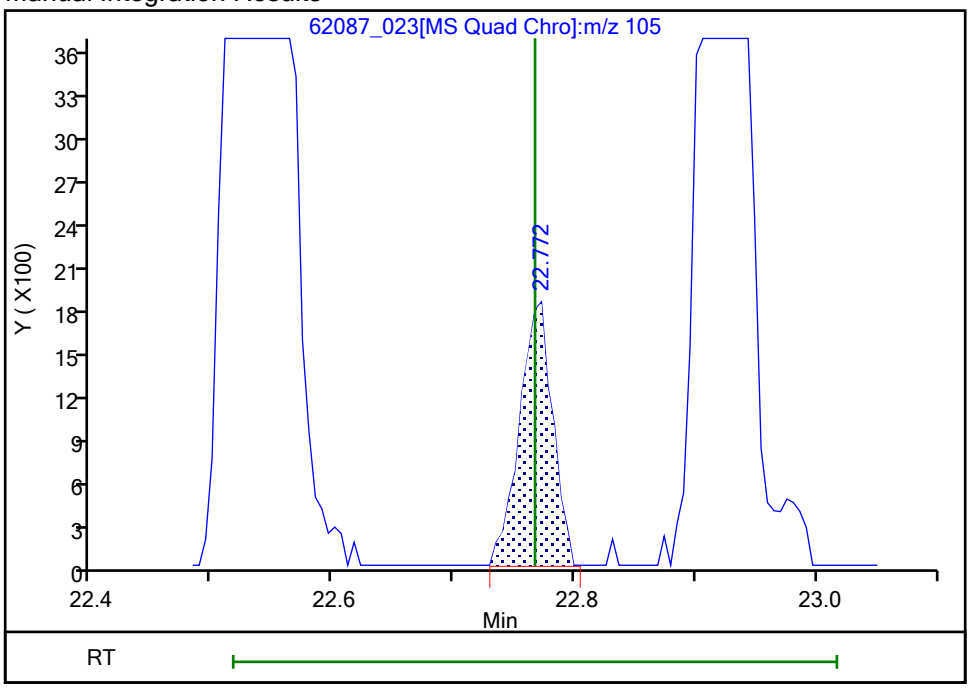
Not Detected
Expected RT: 22.77

Processing Integration Results



Manual Integration Results

RT: 22.77
Area: 3411
Amount: 0.010109
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 14:11:26 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

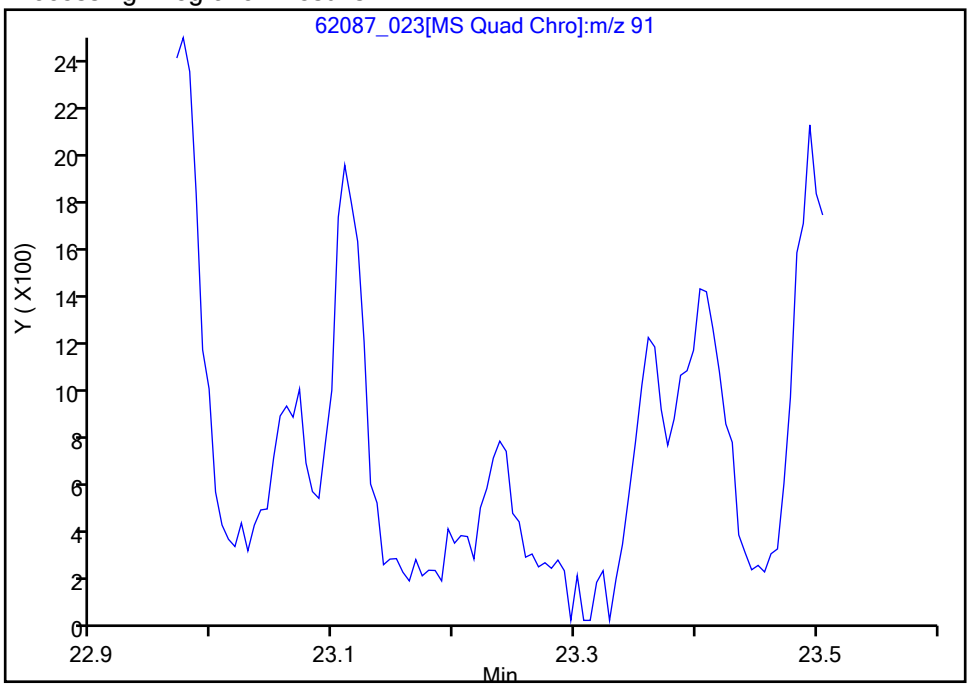
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Signal: 1

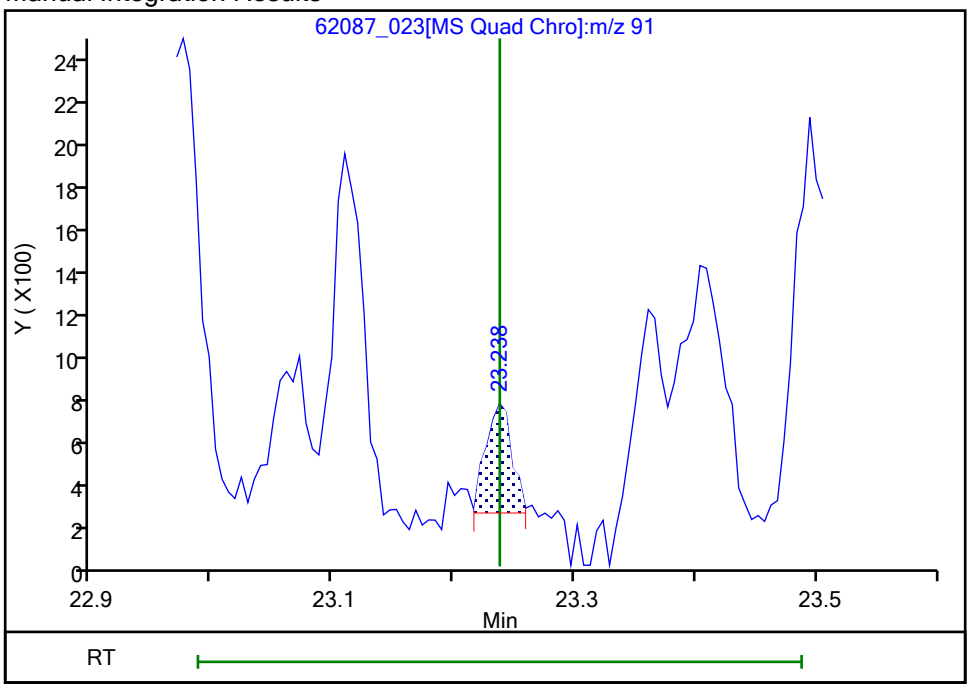
Not Detected
Expected RT: 23.24

Processing Integration Results



Manual Integration Results

RT: 23.24
Area: 757
Amount: 0.003724
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 14:11:46 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

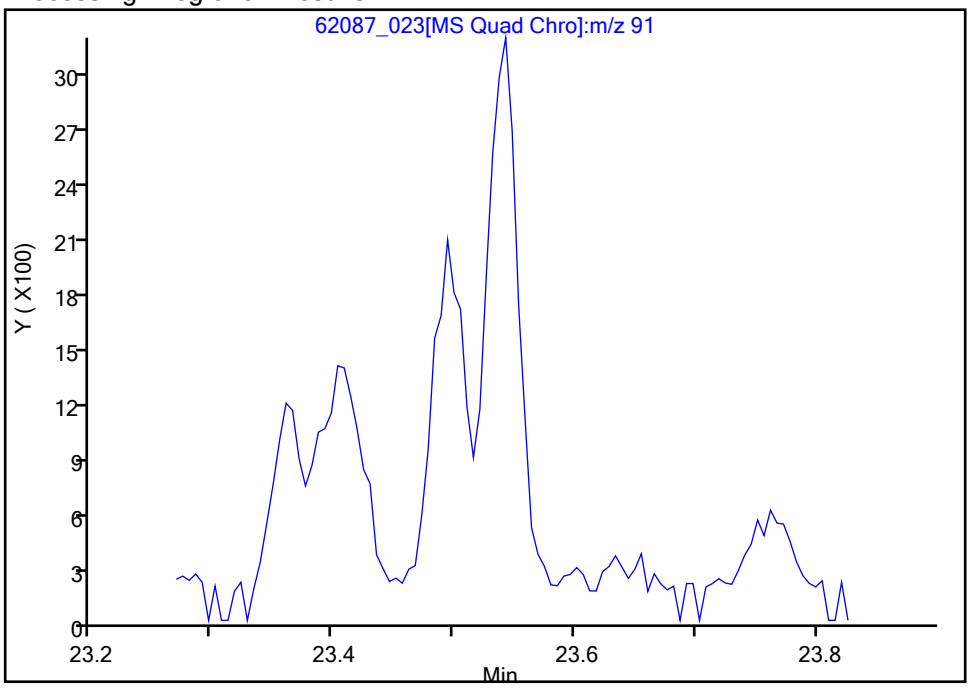
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_023.D				
Injection Date:	18-Sep-2024 02:19:39	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-5	Lab Sample ID:	200-75119-5		
Client ID:	RXSV-4				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 n-Butylbenzene, CAS: 104-51-8

Signal: 1

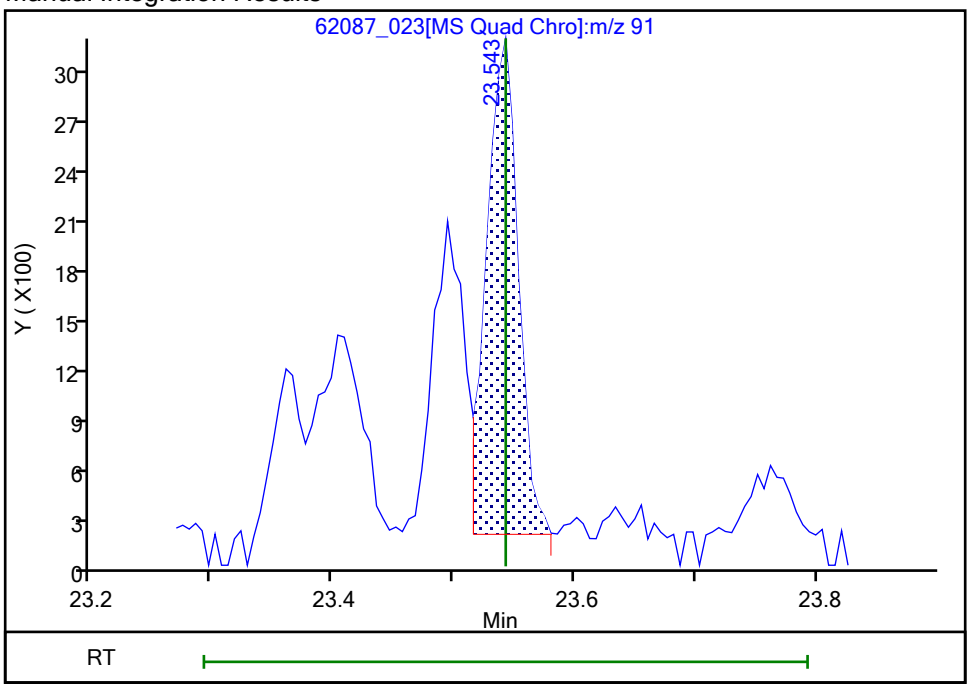
Not Detected
Expected RT: 23.54

Processing Integration Results



Manual Integration Results

RT: 23.54
Area: 5369
Amount: 0.019851
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 14:12:00 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-7 Lab Sample ID: 200-75119-6

Matrix: Air Lab File ID: 62087_024.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:03

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 03:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.6	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.77	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	0.40	J	1.0	0.31
106-97-8	n-Butane	58.12	0.89	J	1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.11	J	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.45	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	38		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	3.8		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	18		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	4.3		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	3.3		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-7 Lab Sample ID: 200-75119-6

Matrix: Air Lab File ID: 62087_024.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:03

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 03:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.25	J	0.93	0.18
71-43-2	Benzene	78.11	0.77		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	1.1		0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	1.7	J	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.55	J	0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	1.6		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.30
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.41
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-7 Lab Sample ID: 200-75119-6

Matrix: Air Lab File ID: 62087_024.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:03

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 03:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-7 Lab Sample ID: 200-75119-6

Matrix: Air Lab File ID: 62087_024.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:03

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 03:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.33	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.22	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.19	J	0.50	0.15
106-97-8	n-Butane	58.12	0.38	J	0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.052	J	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.21		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.059	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	16		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	1.2		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	6.0		5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.69		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-7 Lab Sample ID: 200-75119-6

Matrix: Air Lab File ID: 62087_024.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:03

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 03:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.054	J	0.20	0.038
71-43-2	Benzene	78.11	0.24		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.28		0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	0.46	J	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.15	J	0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.24		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.095
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-7 Lab Sample ID: 200-75119-6

Matrix: Air Lab File ID: 62087_024.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:03

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 03:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D
Lims ID: 200-75119-A-6
Client ID: RXSV-7
Sample Type: Client
Inject. Date: 18-Sep-2024 03:11:02 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-024
Misc. Info.: 75119-6
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 16:00:02 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 16:00:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.412	4.419	-0.005	99	43644	0.3274	
3 Chlorodifluoromethane	51	4.465	4.467	0.000	97	15452	0.2179	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.792				ND	7
5 Chloromethane	50	4.909	4.917	-0.006	97	7474	0.1931	
7 Butane	43	5.214	5.217	0.000	98	23797	0.3765	
6 Vinyl chloride	62		5.220				ND	MU
8 Butadiene	54	5.332	5.340	-0.005	91	1968	0.0519	
9 Bromomethane	94	6.076	6.089	-0.010	93	1798	0.0351	
10 Chloroethane	64	6.359	6.362	0.000	92	1030	0.0385	
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.953	6.956	0.000	99	29721	0.2084	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.077	8.075	0.006	95	7027	0.0588	
22 Acetone	43	8.135	8.128	0.010	97	1172227	16.1	
23 Isopropyl alcohol	45	8.451	8.439	0.016	100	71140	0.8478	
24 Carbon disulfide	76	8.440	8.444	0.000	99	192166	1.23	
26 3-Chloro-1-propene	41		8.745				ND	MU
27 Methylene Chloride	49		8.986				ND	7
28 2-Methyl-2-propanol	59	9.227	9.220	0.011	100	576517	6.00	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73		9.483				ND	7
32 Hexane	57	9.986	9.996	-0.006	91	8574	0.1019	
33 1,1-Dichloroethane	63		10.270				ND	7
36 2-Butanone (MEK)	72	11.270	11.265	0.010	98	40491	1.47	
37 cis-1,2-Dichloroethene	96		11.281				ND	7
* 39 Chlorobromomethane	128	11.698	11.693	0.005	89	310200	10.0	
40 Tetrahydrofuran	42	11.747	11.747	0.016	90	5599	0.1006	M
41 Chloroform	83	11.875	11.880	0.000	95	82182	0.6853	
42 1,1,1-Trichloroethane	97		12.174				ND	7
43 Cyclohexane	84	12.308	12.308	0.005	90	3090	0.0421	M
44 Carbon tetrachloride	117	12.458	12.447	0.011	87	1955	0.0161	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.806	12.806	0.000	95	41502	0.2410	
46 1,2-Dichloroethane	62		12.891				ND	
47 Isooctane	57	13.004	13.009	-0.005	97	14398	0.0538	
48 n-Heptane	43	13.319	13.319	0.000	92	26991	0.2782	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	94	1491098	10.0	
51 Trichloroethene	95	13.983	13.977	0.006	88	1408	0.0175	
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	7
55 1,4-Dioxane	88	14.603	14.577	0.027	92	15066	0.4585	
58 Dichlorobromomethane	83	14.919	14.919	0.000	1	1559	0.0122	7M
59 cis-1,3-Dichloropropene	75		15.721				ND	7
61 4-Methyl-2-pentanone (MIBK)	43		15.989				ND	7
62 Toluene	92	16.358	16.363	0.000	93	17277	0.1466	
66 trans-1,3-Dichloropropene	75		16.781				ND	7
67 1,1,2-Trichloroethane	83		17.160				ND	
68 Tetrachloroethene	166	17.348	17.347	0.006	97	23702	0.2418	
69 2-Hexanone	43		17.572				ND	7
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	7
* 73 Chlorobenzene-d5	117	19.049	19.043	0.006	86	1303641	10.0	
74 Chlorobenzene	112		19.102				ND	
75 Ethylbenzene	91	19.295	19.295	0.005	92	2703	0.0104	
76 m-Xylene & p-Xylene	106	19.536	19.536	-0.016	0	1483	0.0152	M
78 o-Xylene	106		20.322				ND	7
79 Styrene	104		20.354				ND	
81 Bromoform	173		20.697				ND	7
82 Isopropylbenzene	105		20.991				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	7
85 N-Propylbenzene	91		21.686				ND	7
86 2-Chlorotoluene	91		21.836				ND	7
87 4-Ethyltoluene	105		21.879				ND	7
88 1,3,5-Trimethylbenzene	105		21.970				ND	7
91 tert-Butylbenzene	119		22.446				ND	
92 1,2,4-Trimethylbenzene	105		22.532				ND	7
93 sec-Butylbenzene	105		22.767				ND	7
94 1,3-Dichlorobenzene	146		22.943				ND	7
95 4-Isopropyltoluene	119		22.976				ND	
96 1,4-Dichlorobenzene	146		23.083				ND	7
97 Benzyl chloride	91		23.238				ND	
98 n-Butylbenzene	91		23.543				ND	
99 1,2-Dichlorobenzene	146		23.585				ND	
102 1,2,4-Trichlorobenzene	180		26.084				ND	7
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128		26.581				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

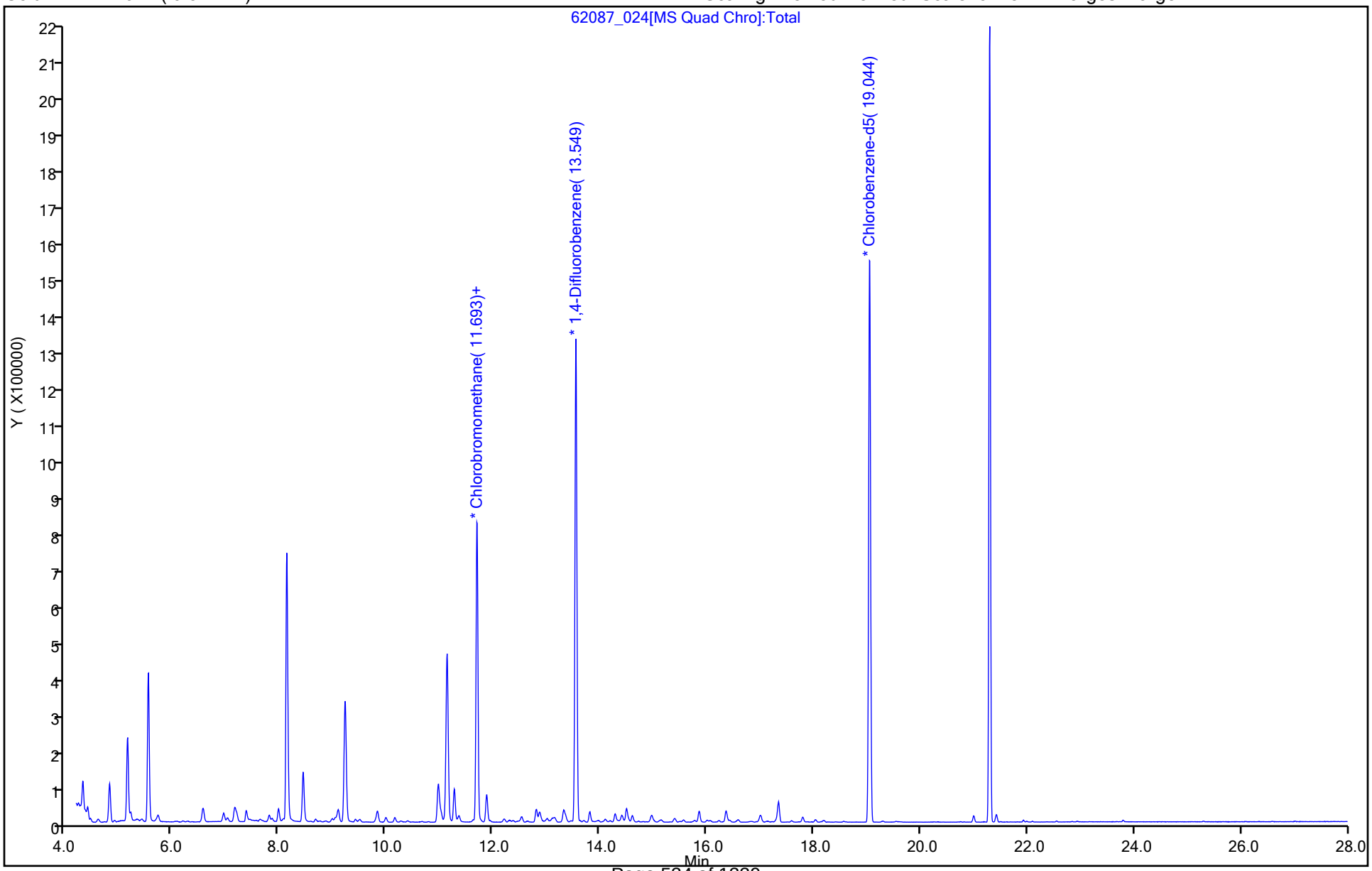
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6	Worklist Smp#:	24
Client ID:	RXSV-7				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



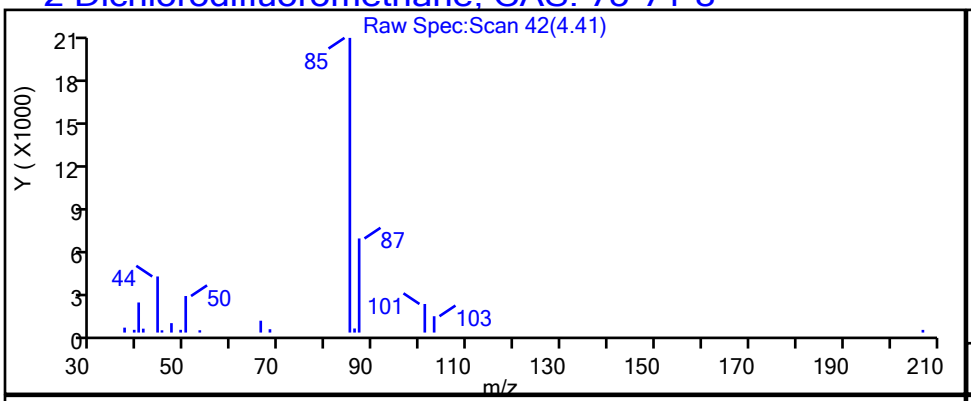
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

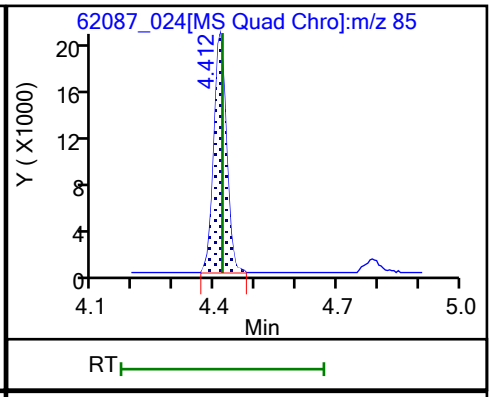
Eurofins Burlington

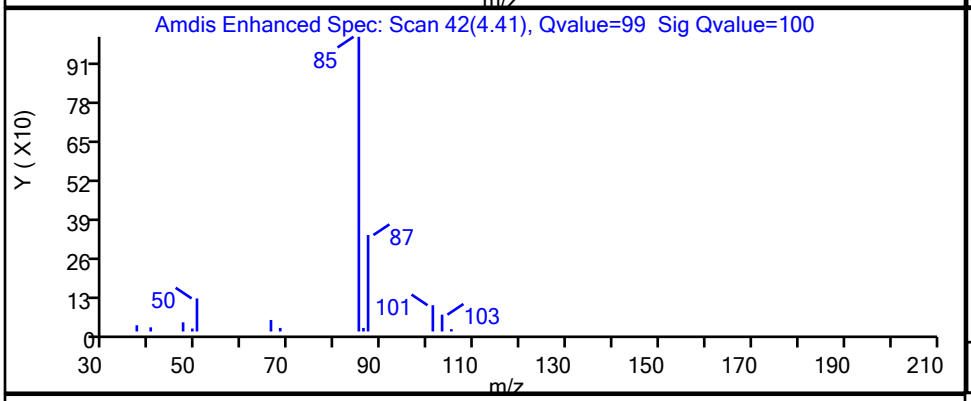
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

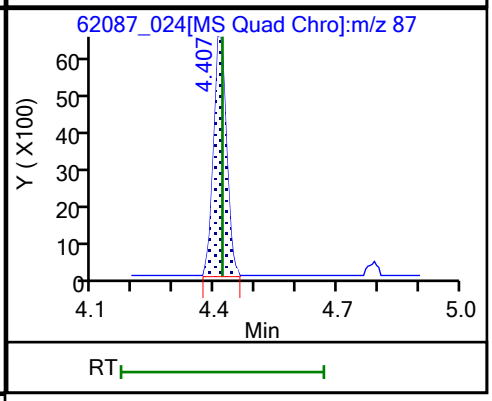
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

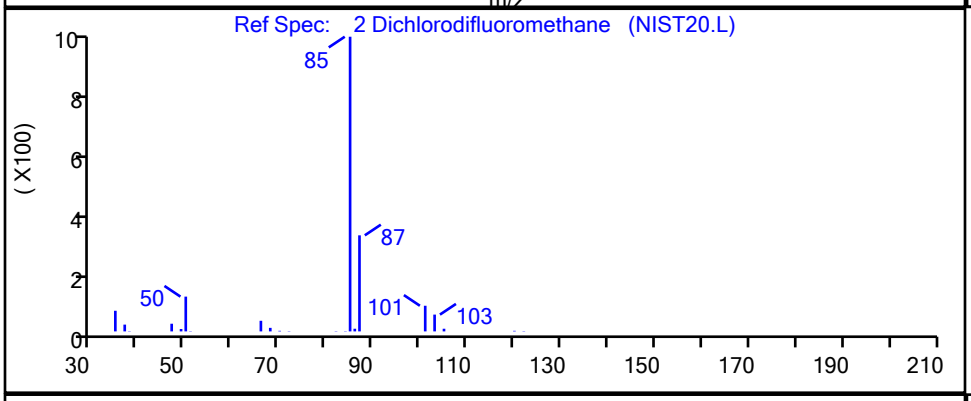
2 Dichlorodifluoromethane, CAS: 75-71-8

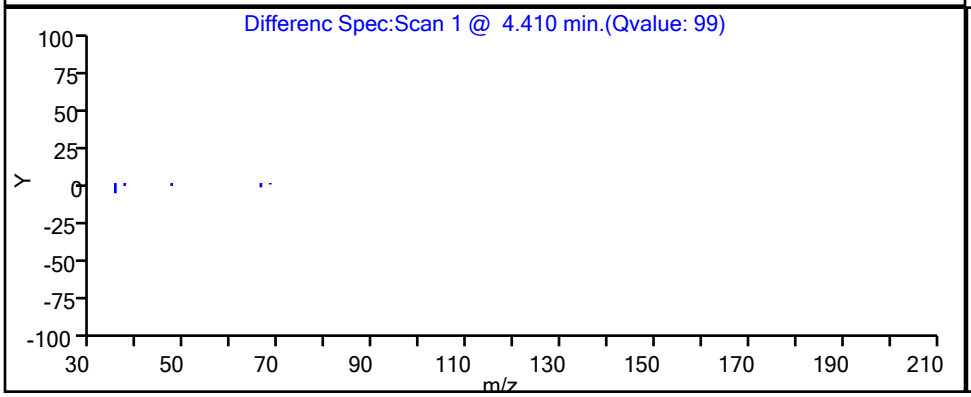


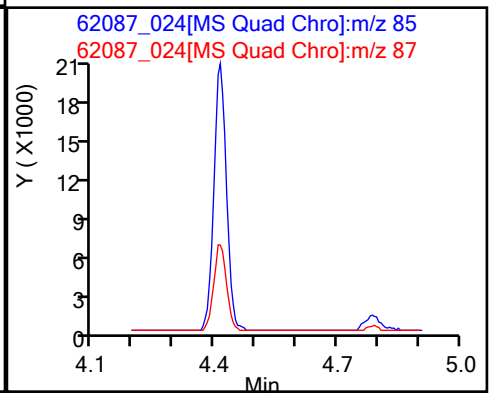












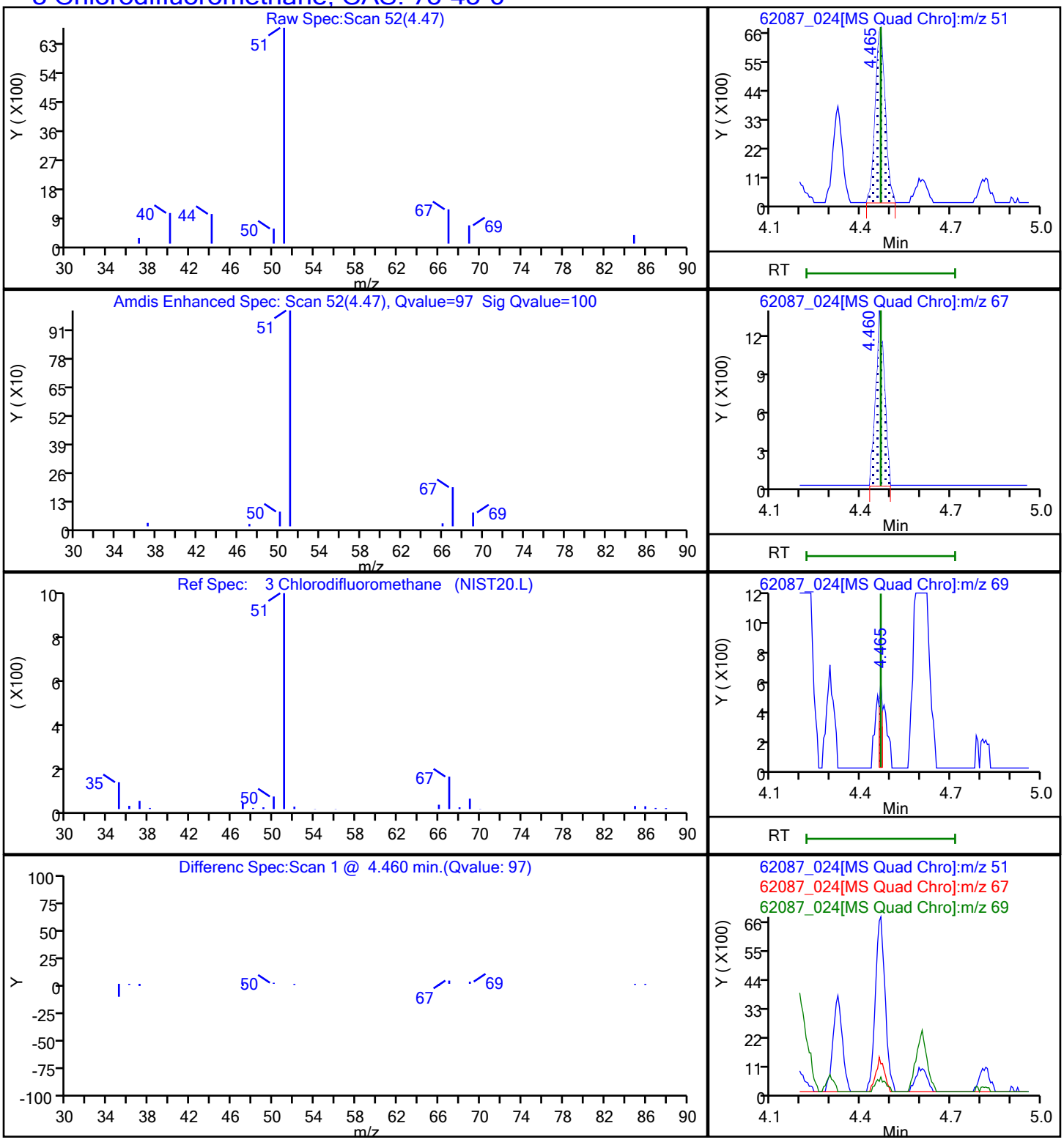
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



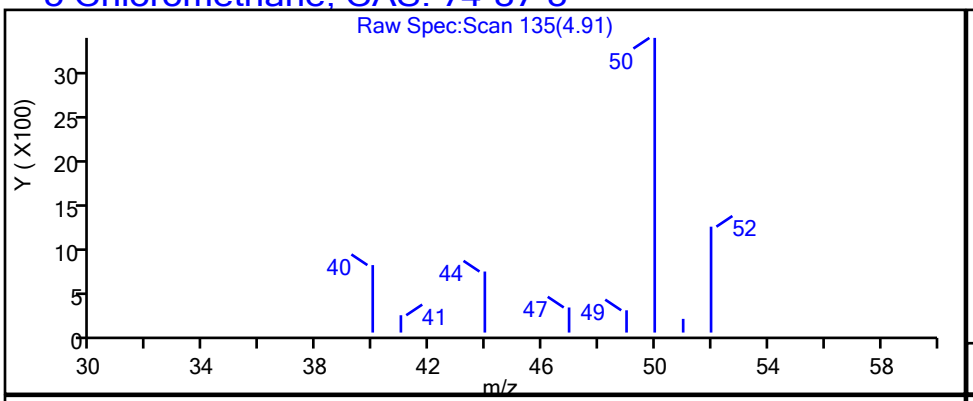
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

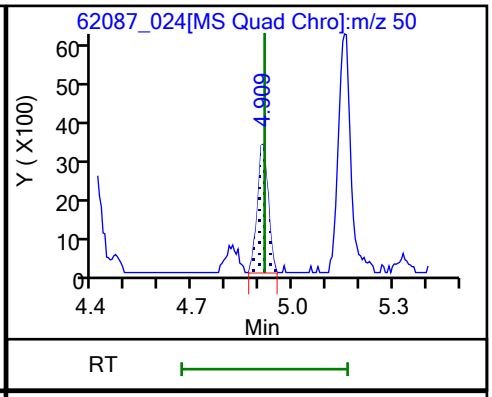
Eurofins Burlington

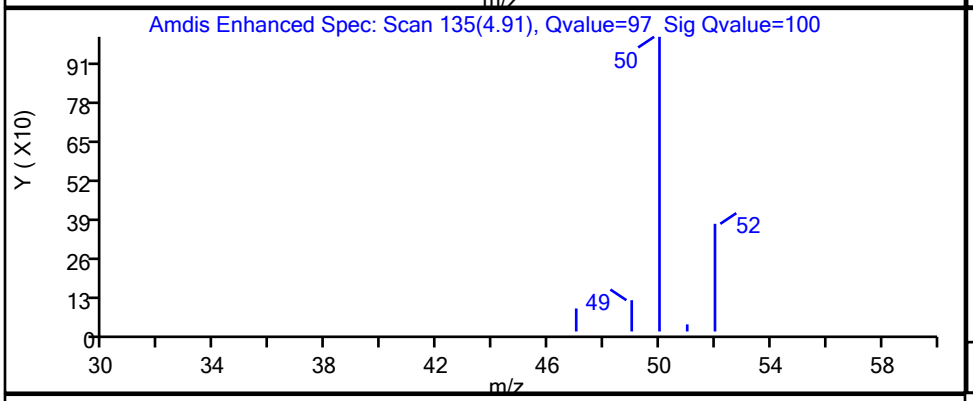
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

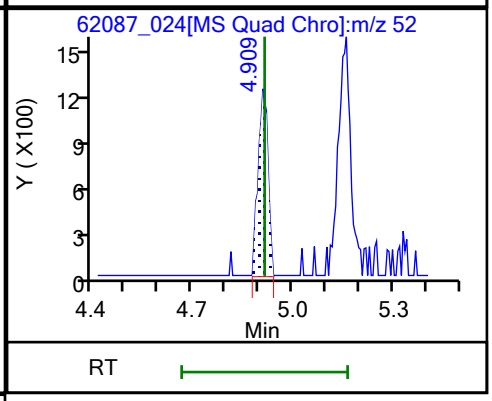
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

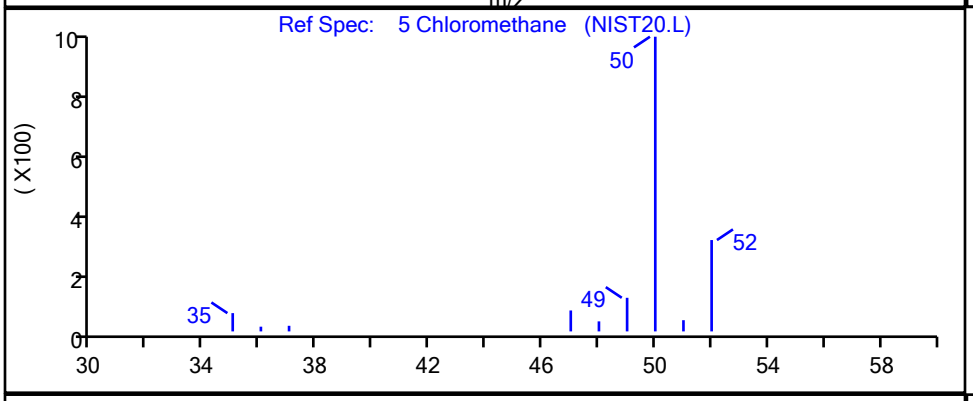
5 Chloromethane, CAS: 74-87-3

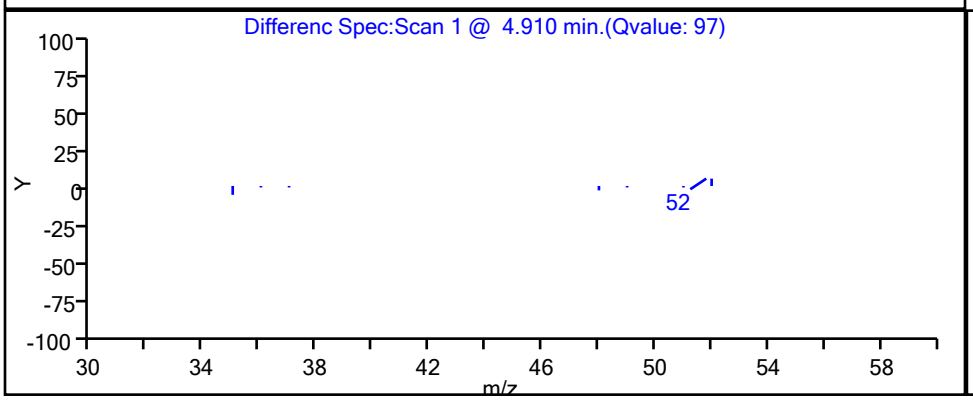


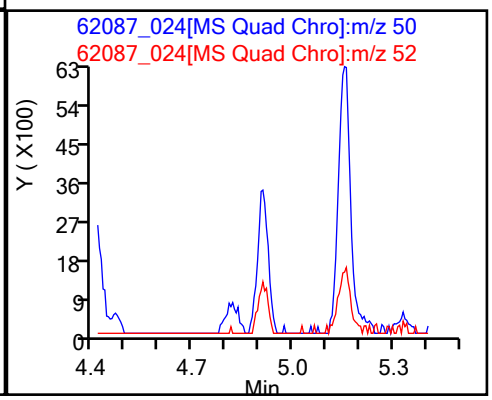












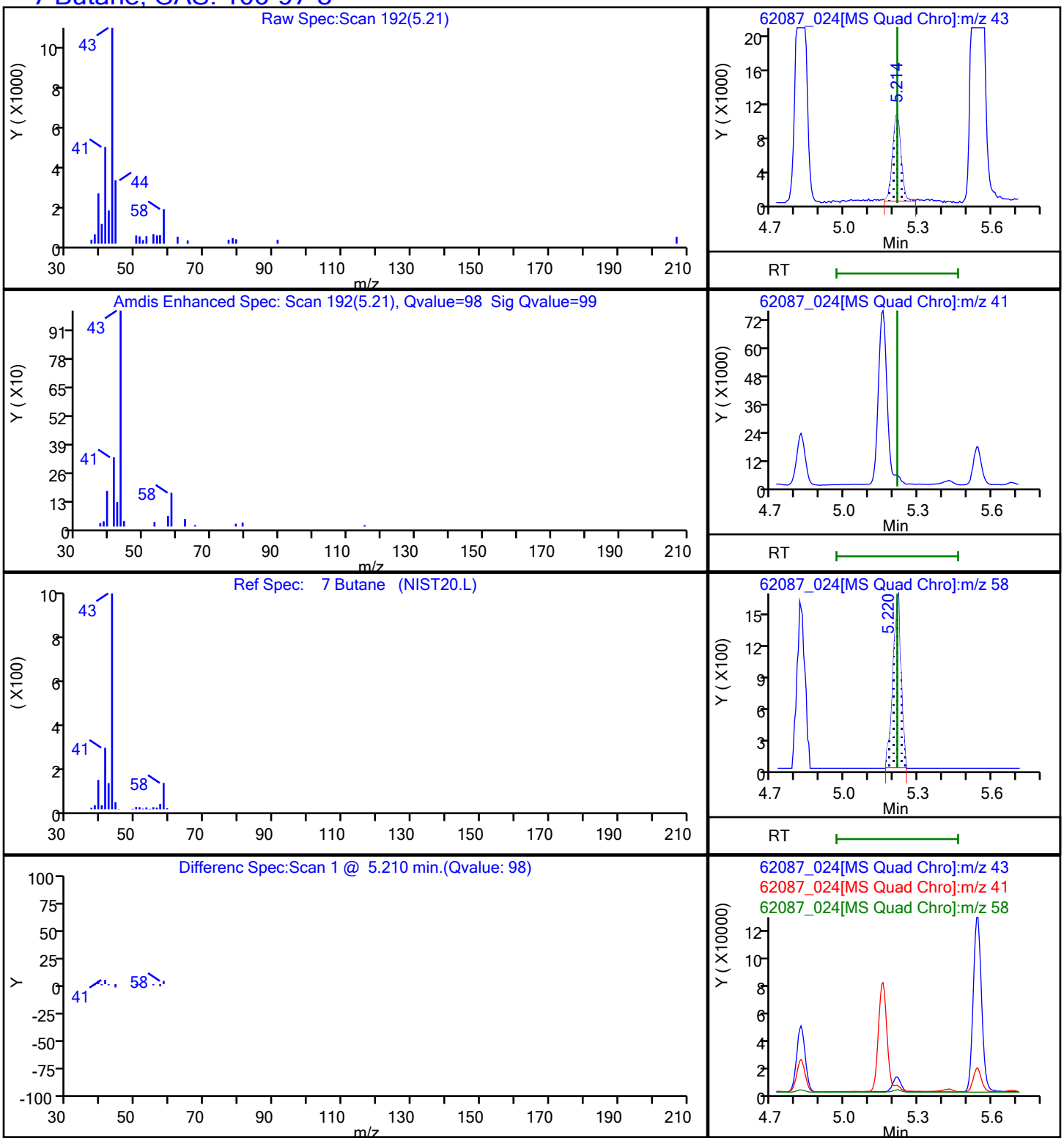
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8

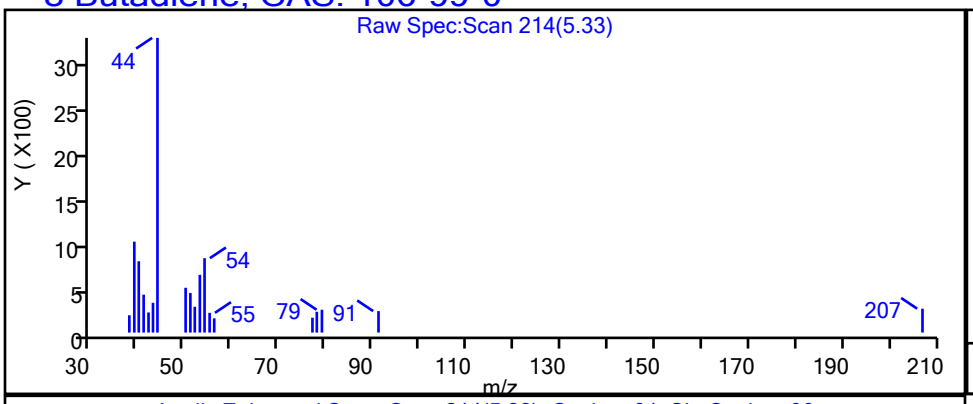


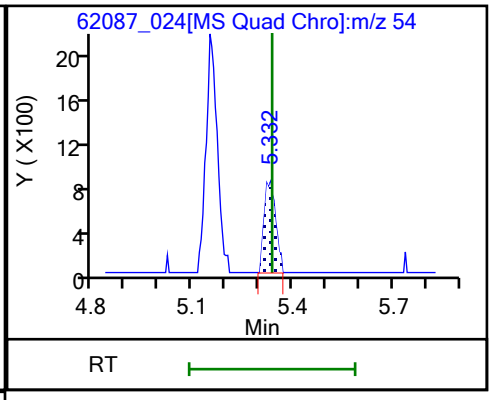
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

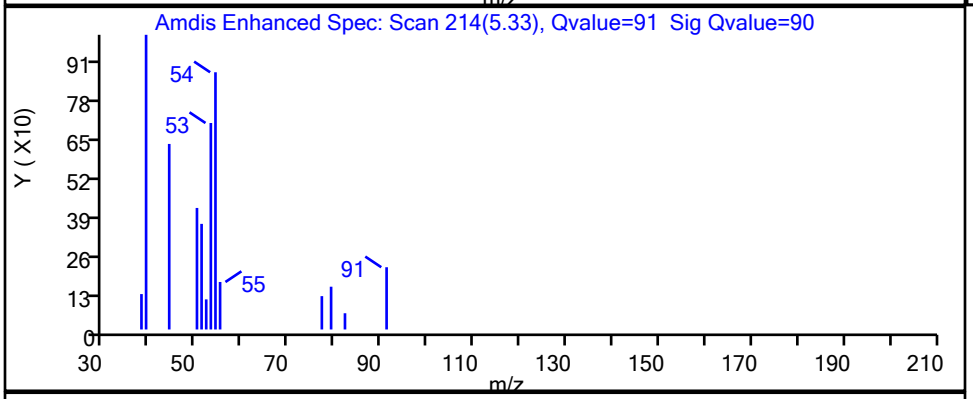
Eurofins Burlington

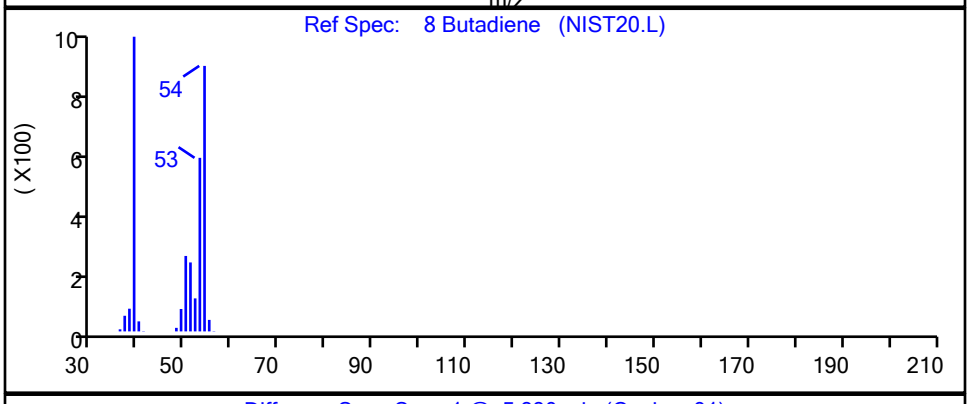
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

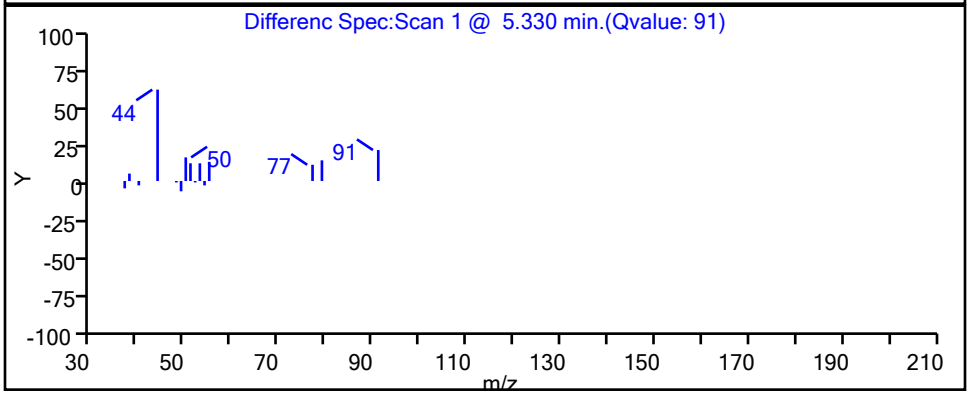
8 Butadiene, CAS: 106-99-0











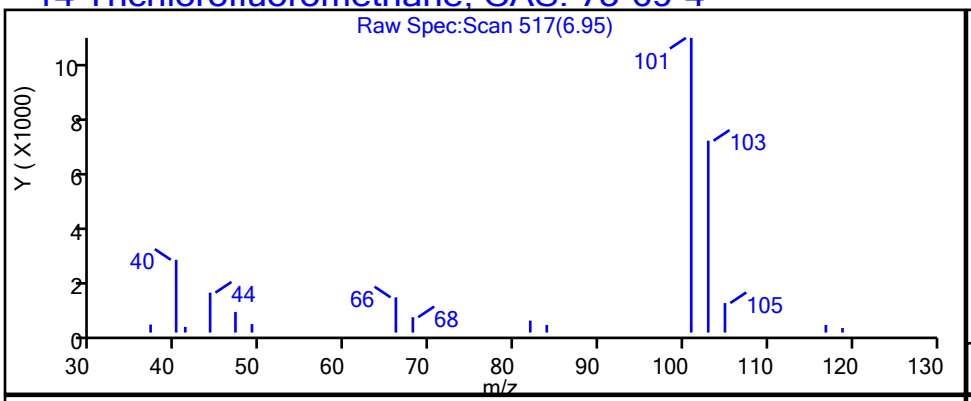
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

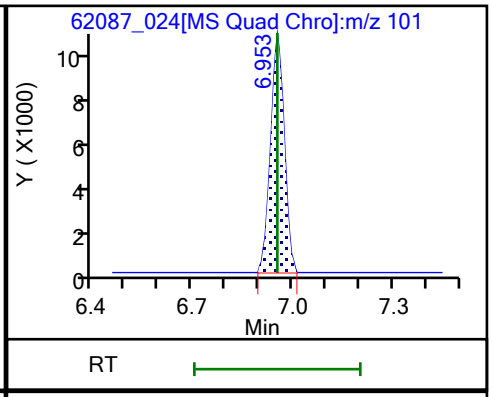
Eurofins Burlington

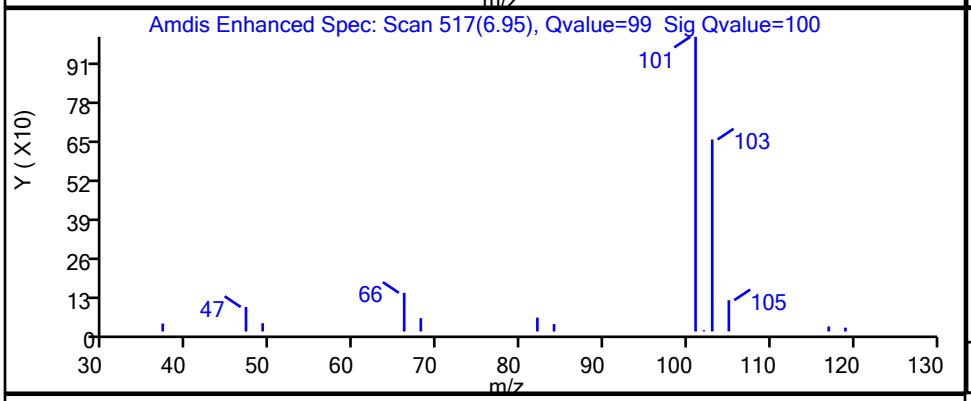
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

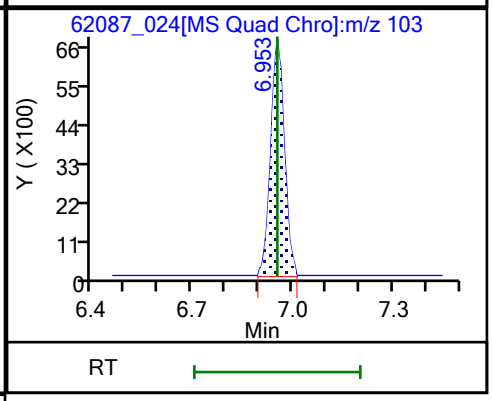
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

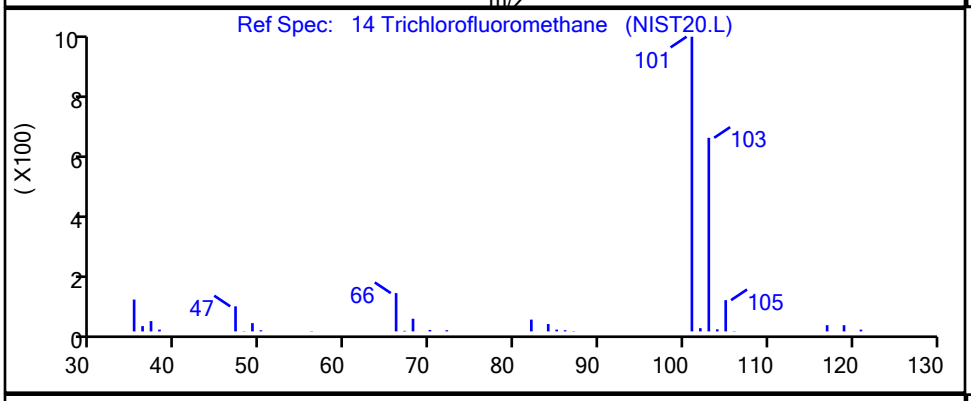
14 Trichlorofluoromethane, CAS: 75-69-4

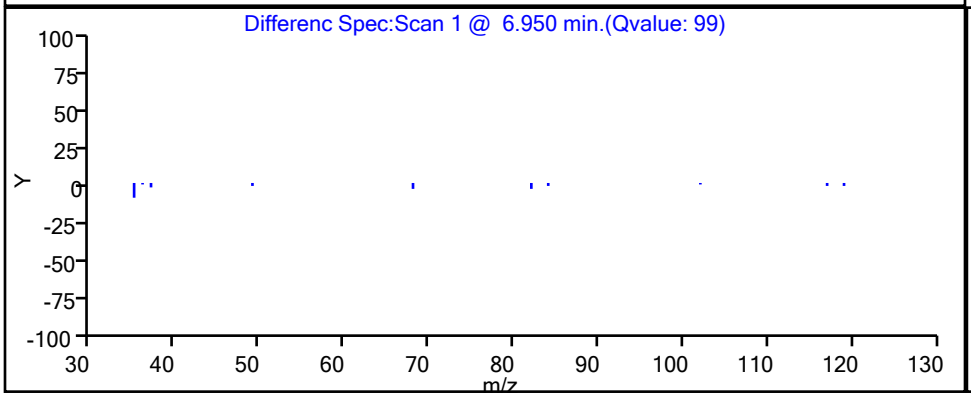


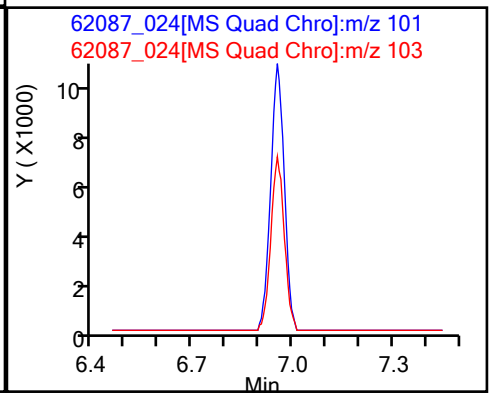












Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

Injection Date: 18-Sep-2024 03:11:02 Instrument ID: CHAM.i

Lims ID: 200-75119-A-6 Lab Sample ID: 200-75119-6

Client ID: RXSV-7

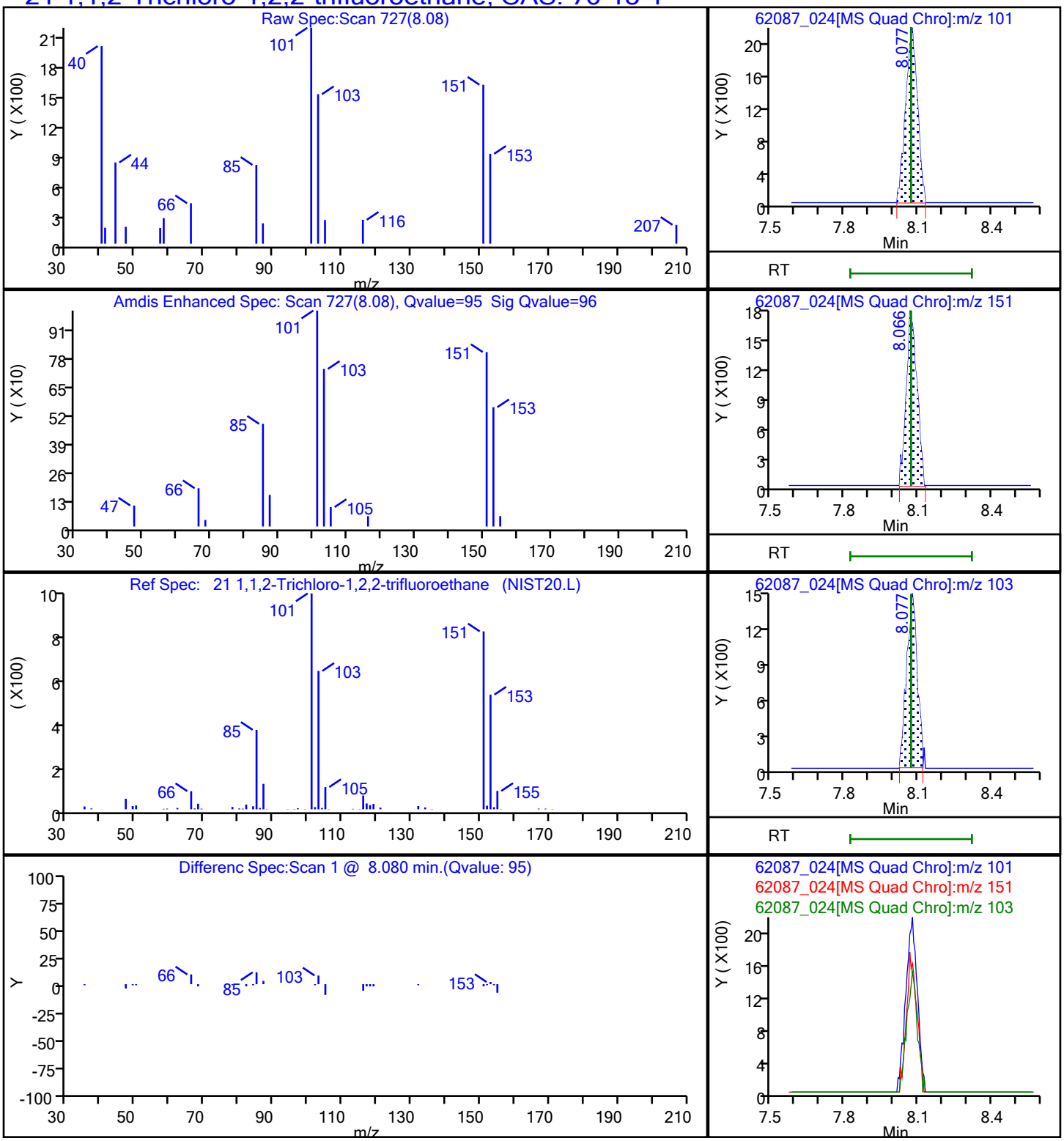
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 24

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



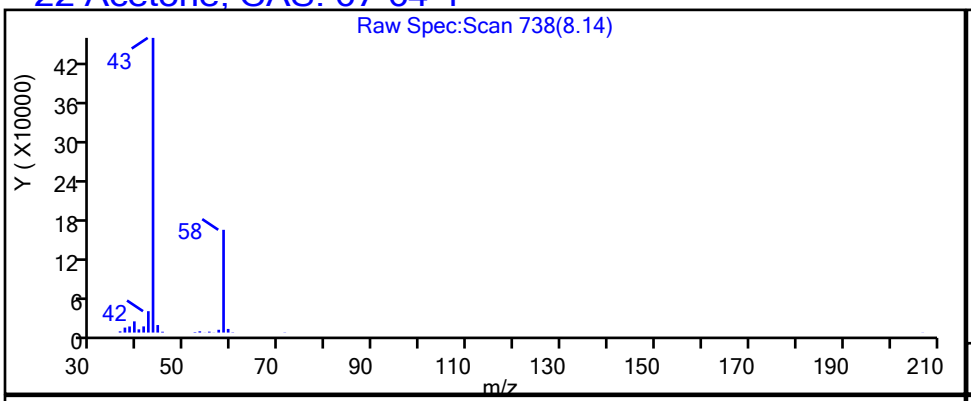
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

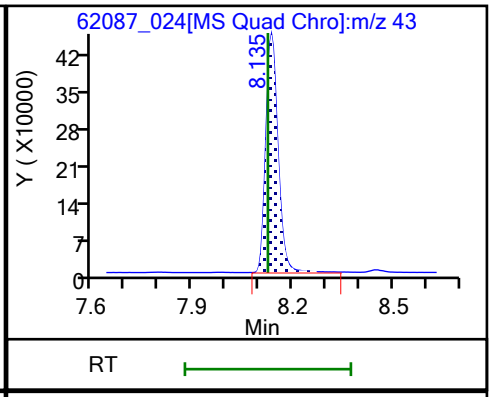
Eurofins Burlington

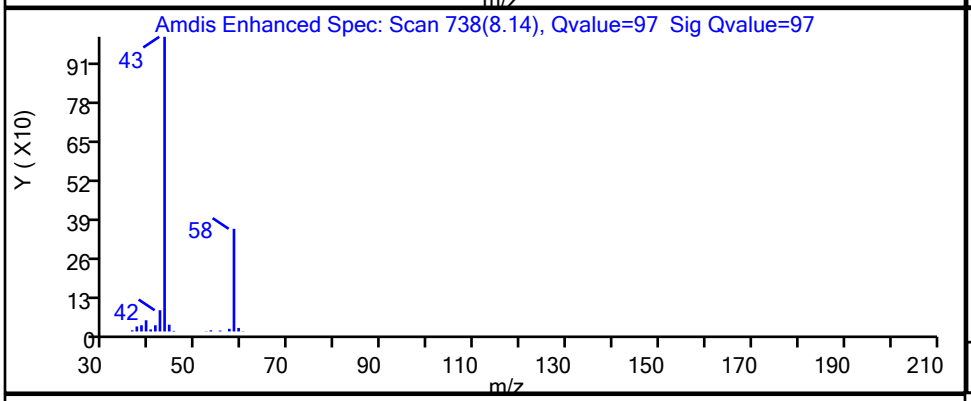
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

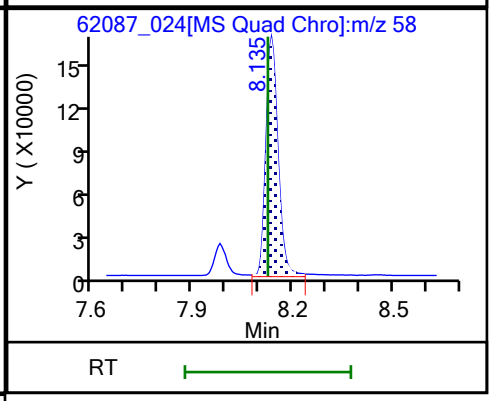
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

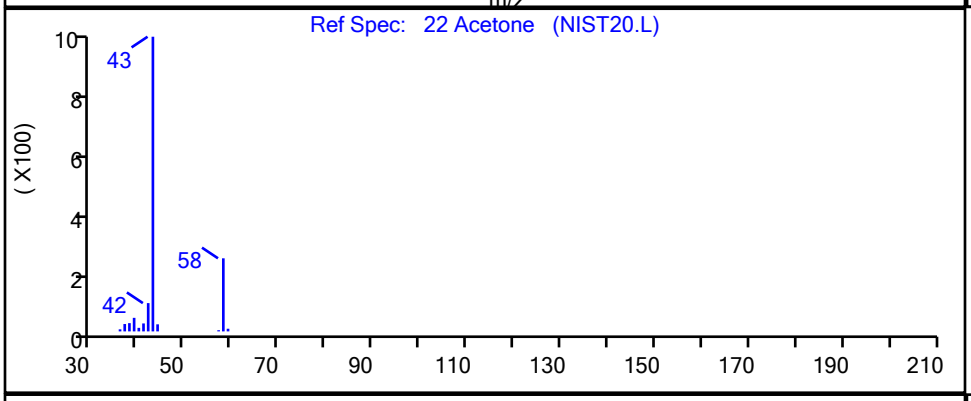
22 Acetone, CAS: 67-64-1

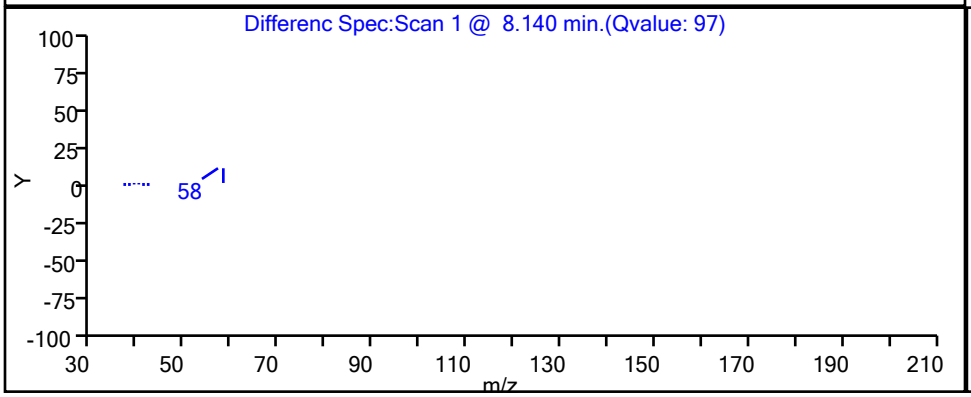


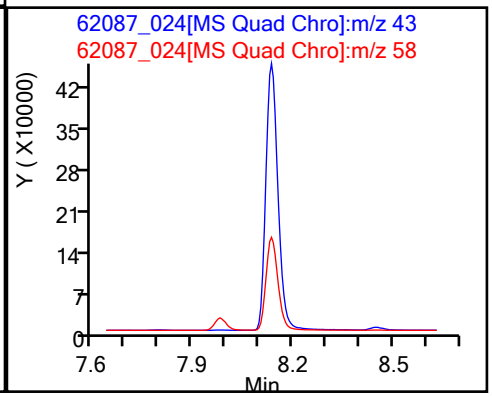










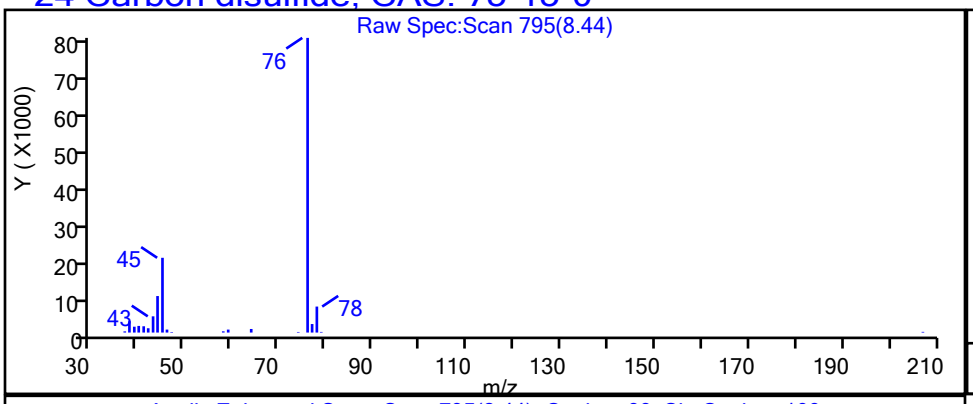


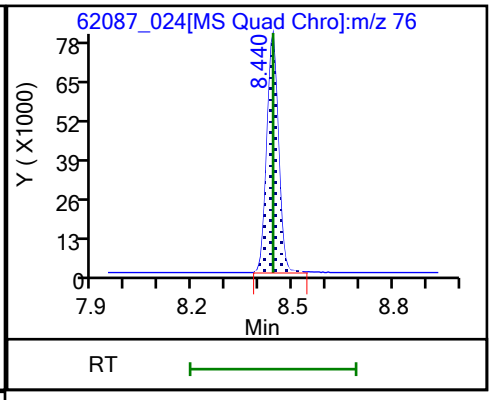
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

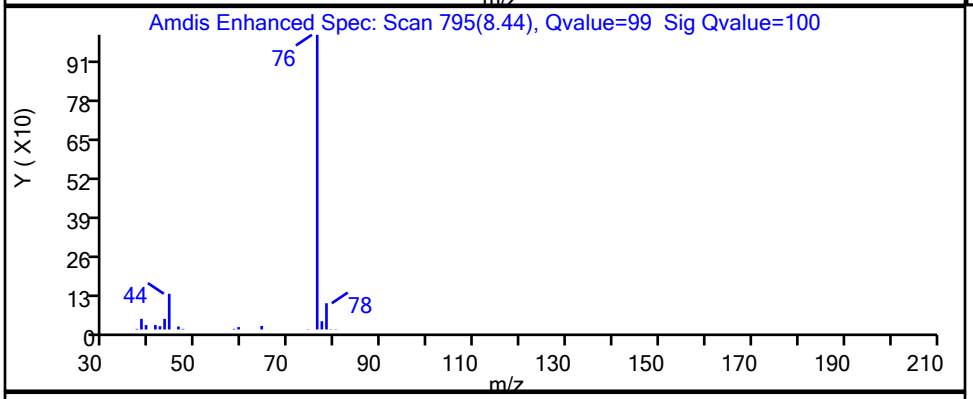
Eurofins Burlington

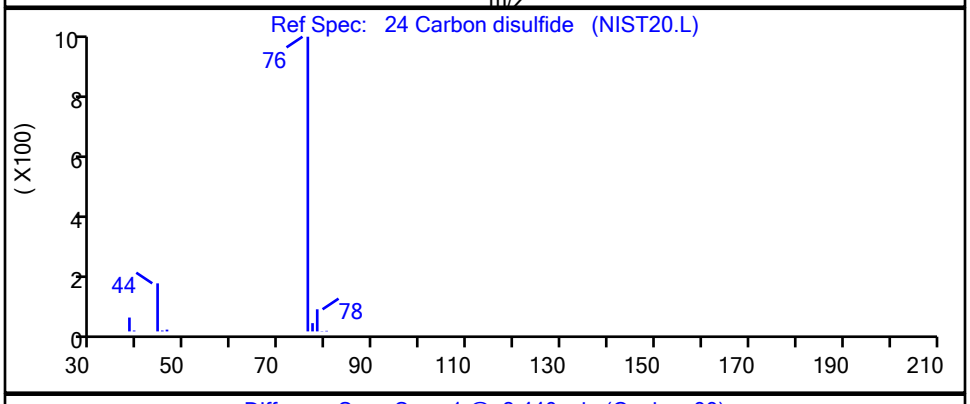
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

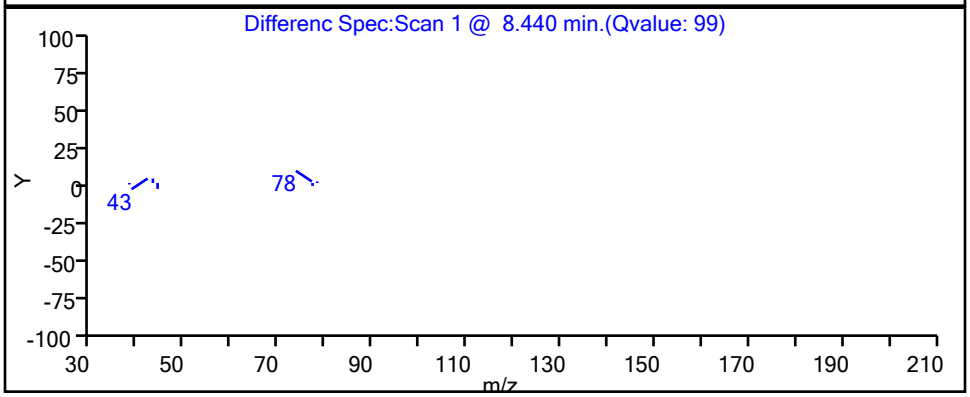
24 Carbon disulfide, CAS: 75-15-0











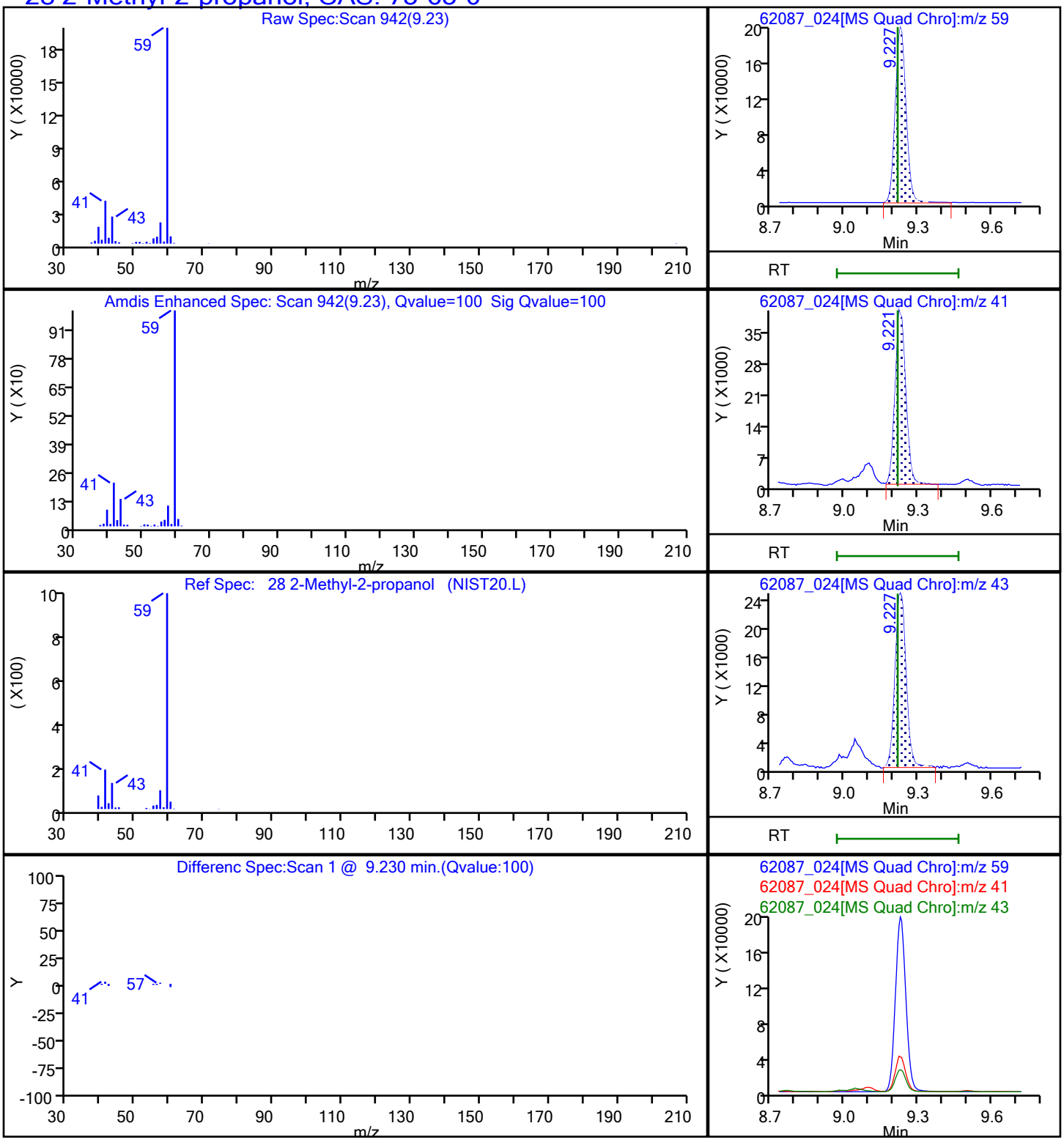
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



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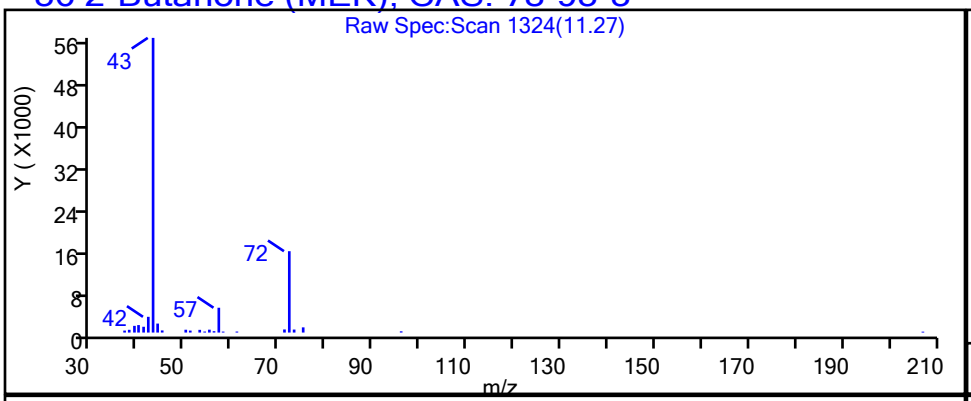
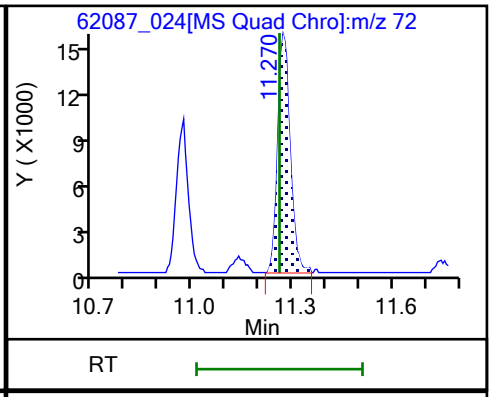
Eurofins Burlington

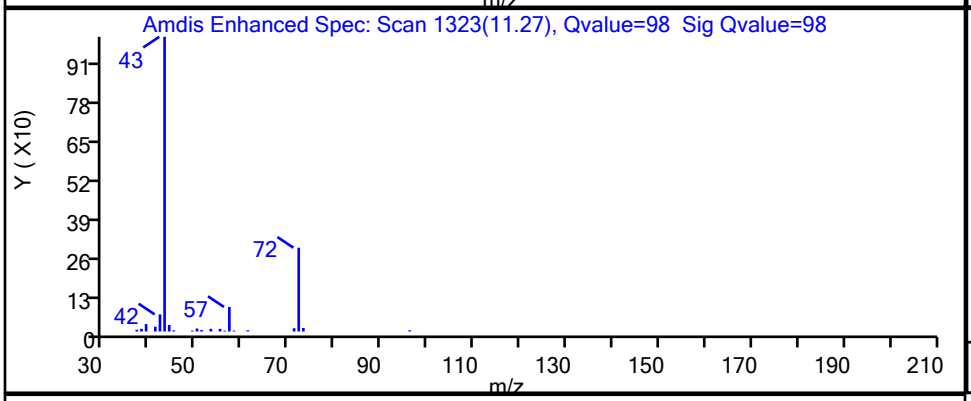
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

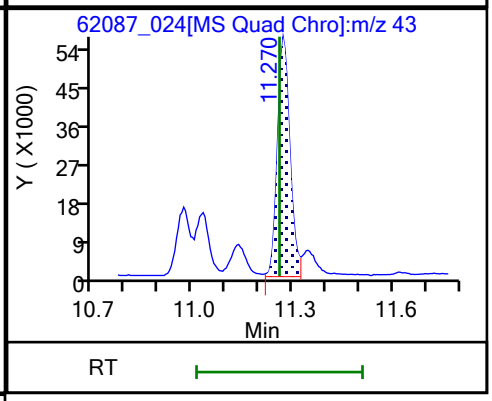
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

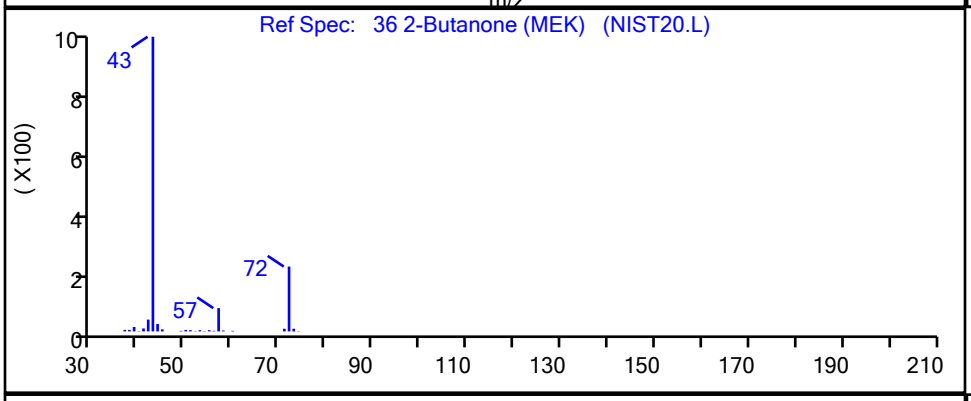
36 2-Butanone (MEK), CAS: 78-93-3

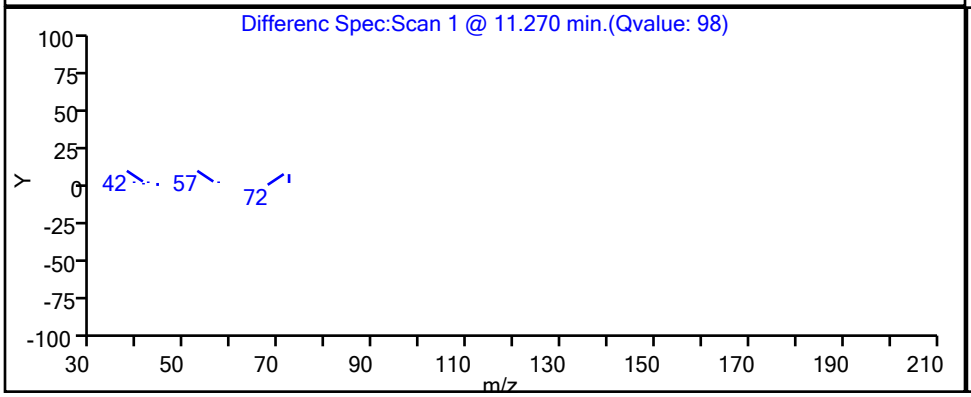


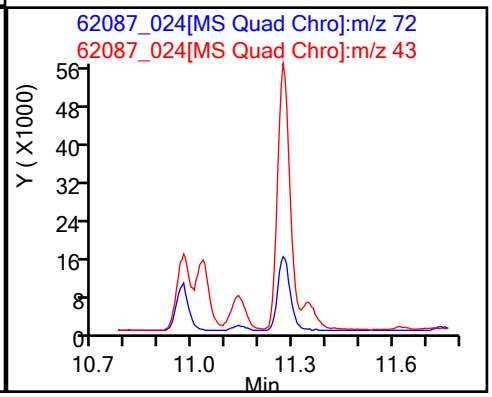












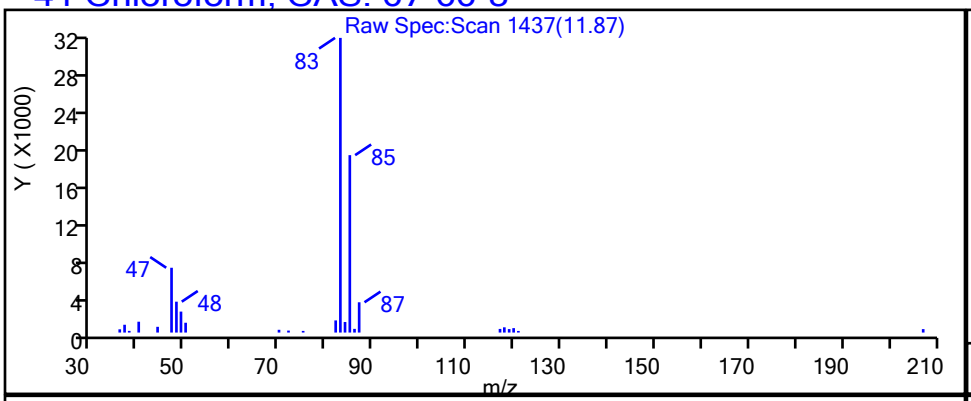
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

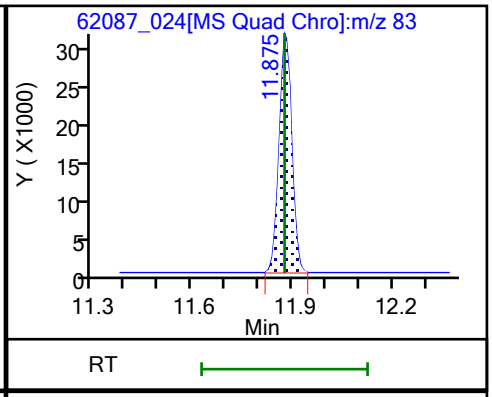
Eurofins Burlington

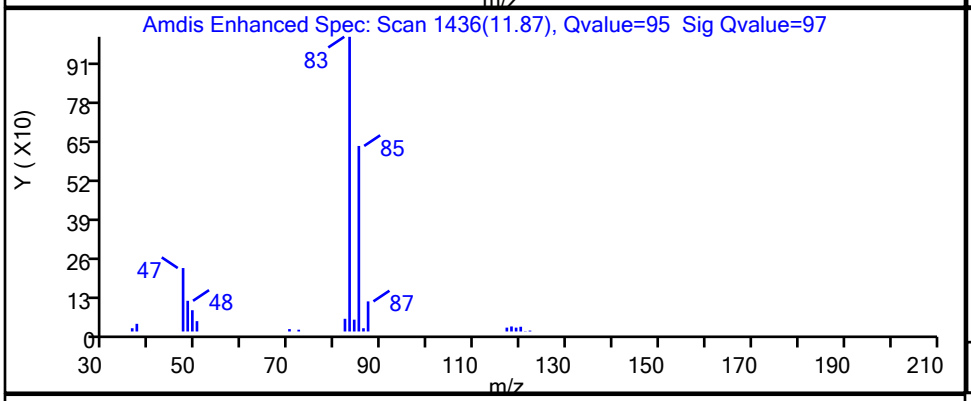
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

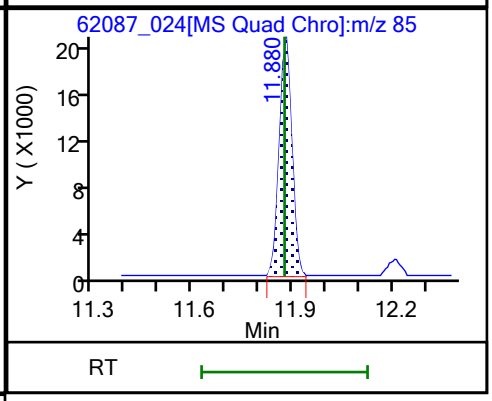
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

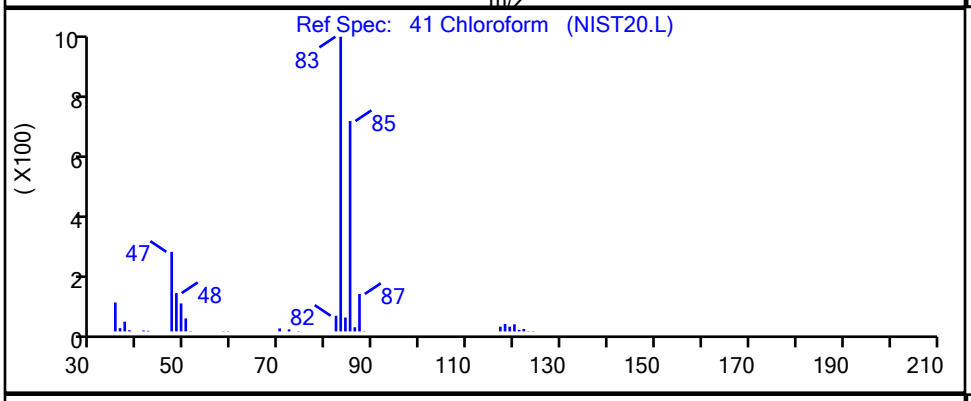
41 Chloroform, CAS: 67-66-3

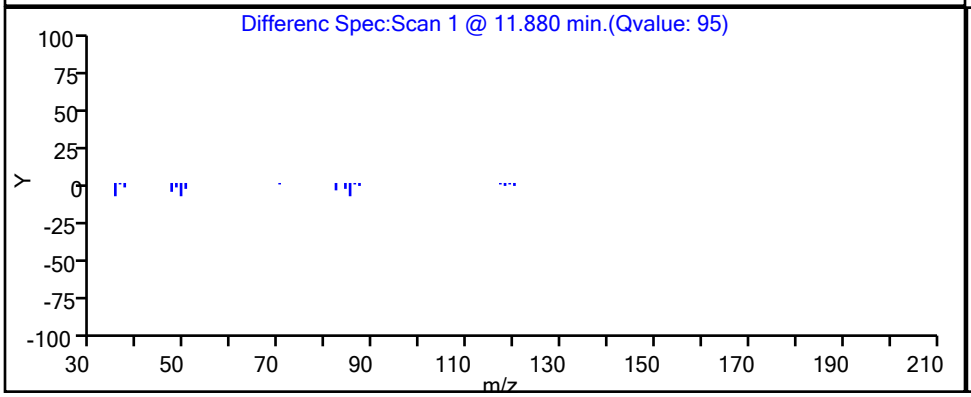


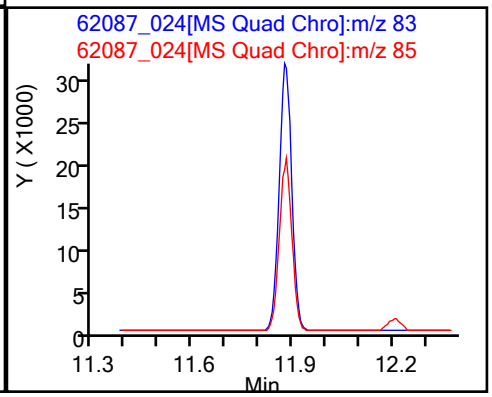












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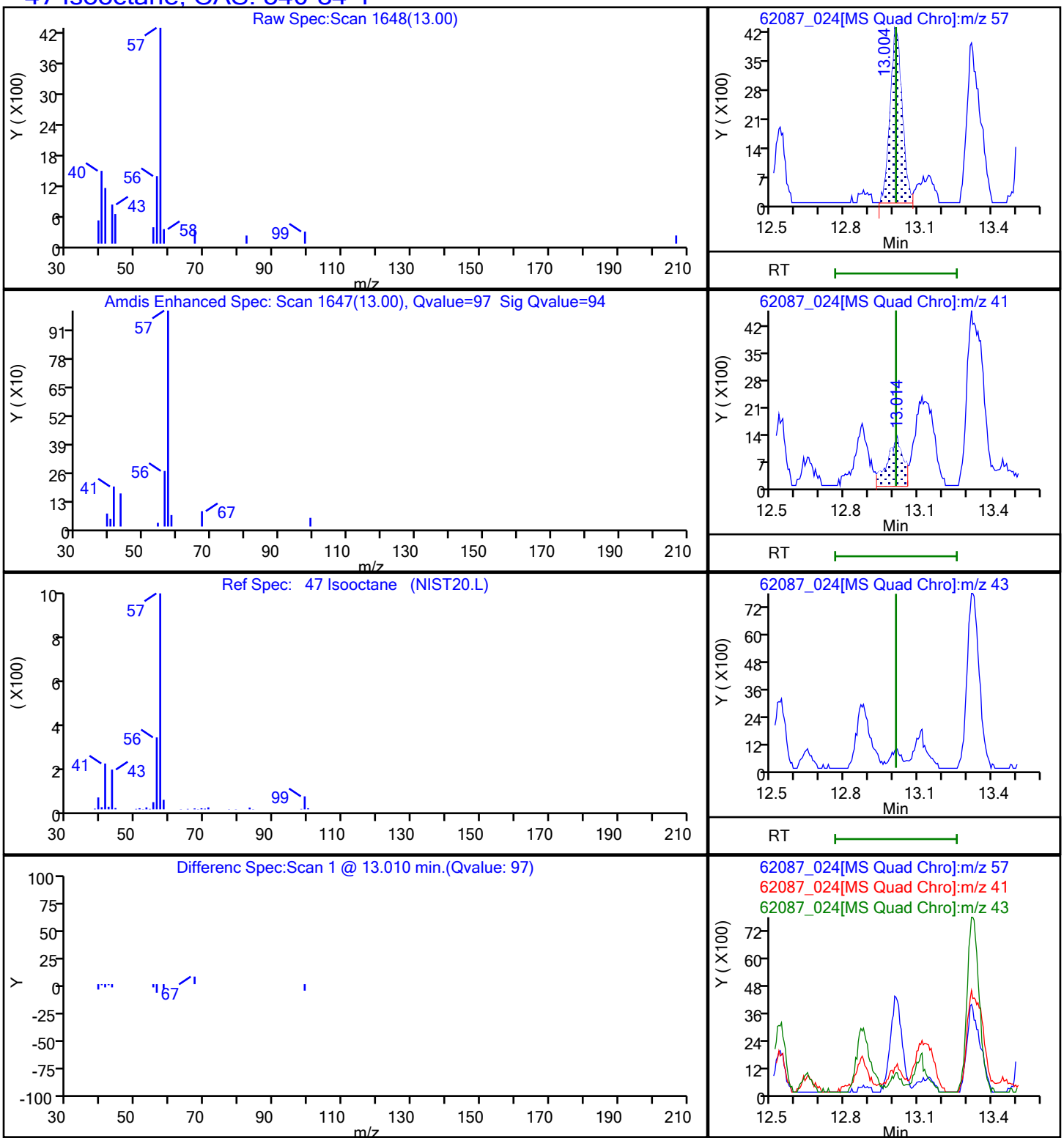
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1



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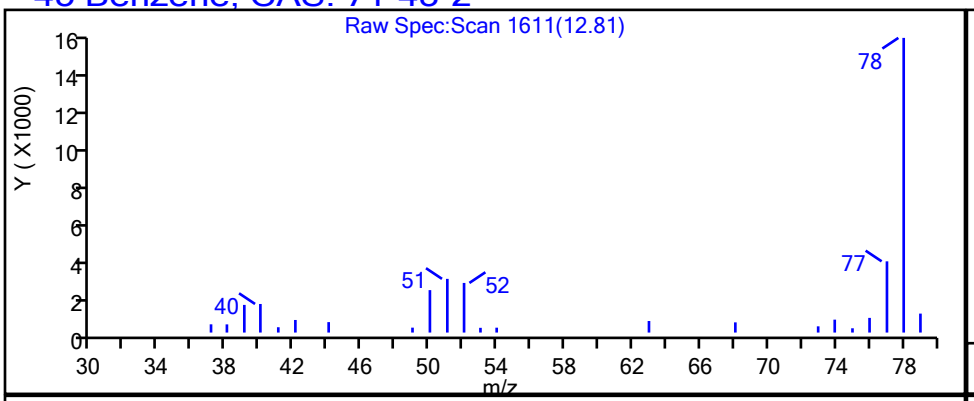
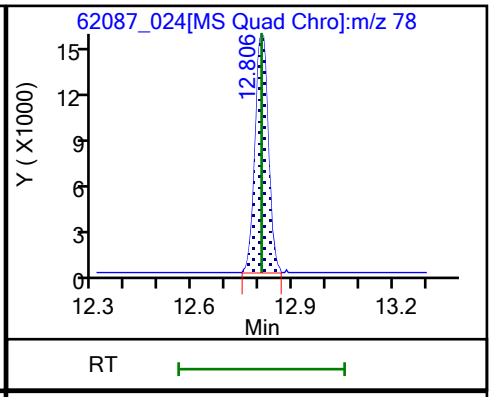
Eurofins Burlington

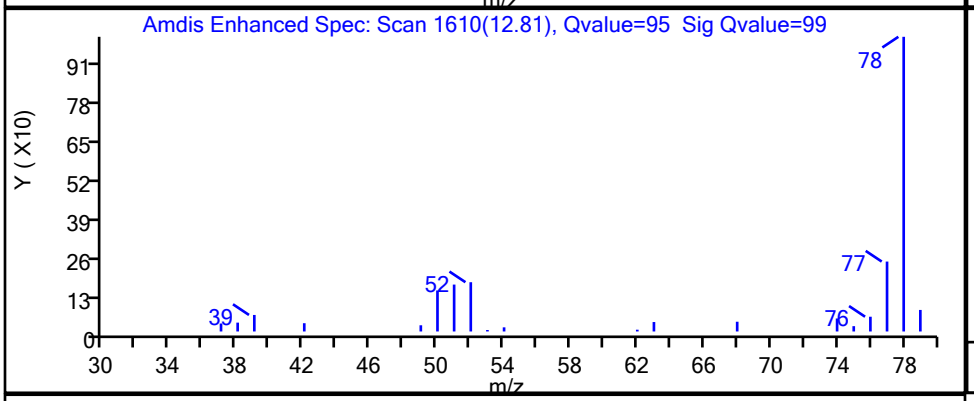
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

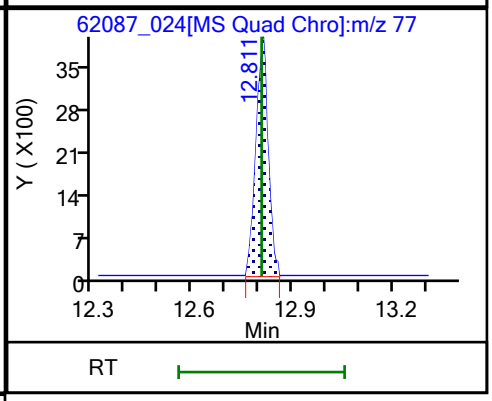
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

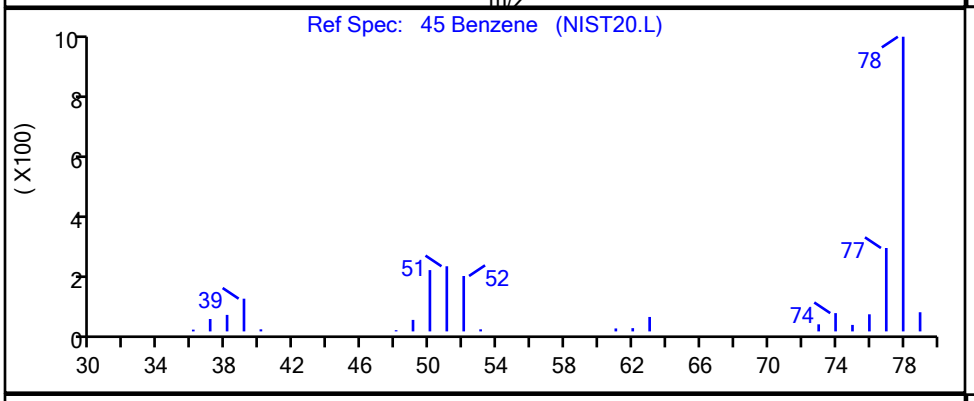
45 Benzene, CAS: 71-43-2

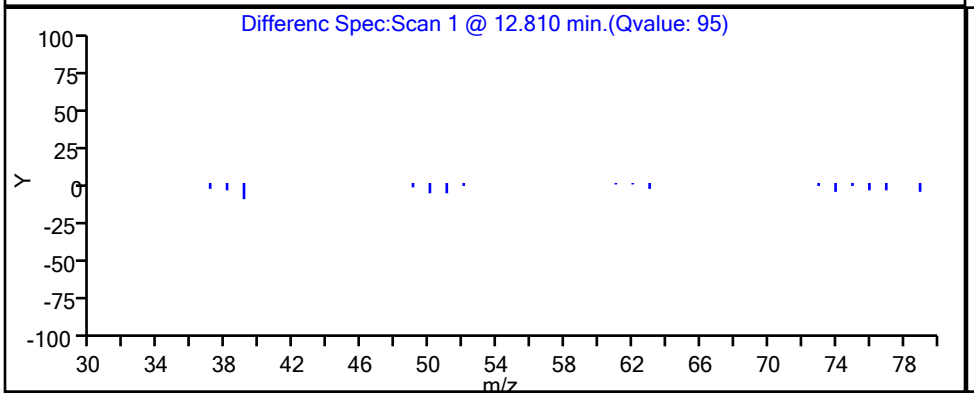


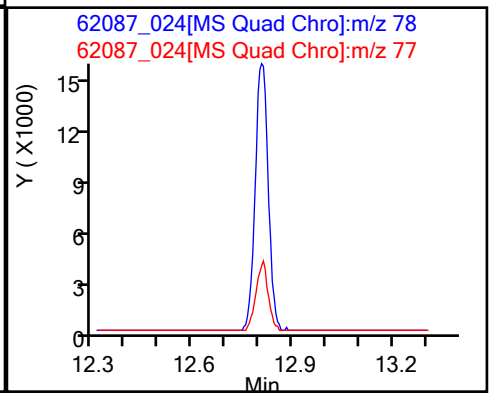












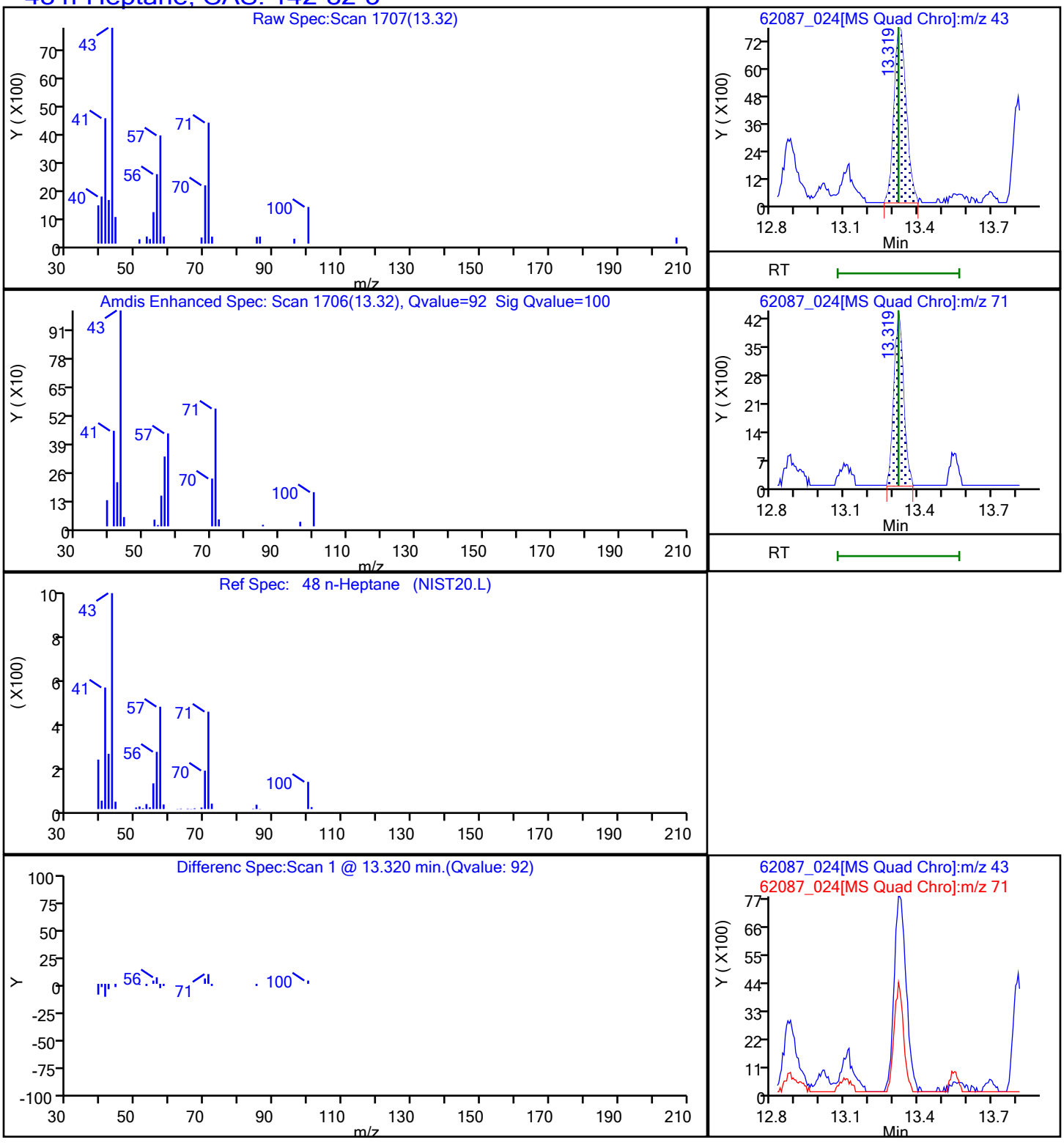
Report Date: 18-Sep-2024 16:00:02 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5



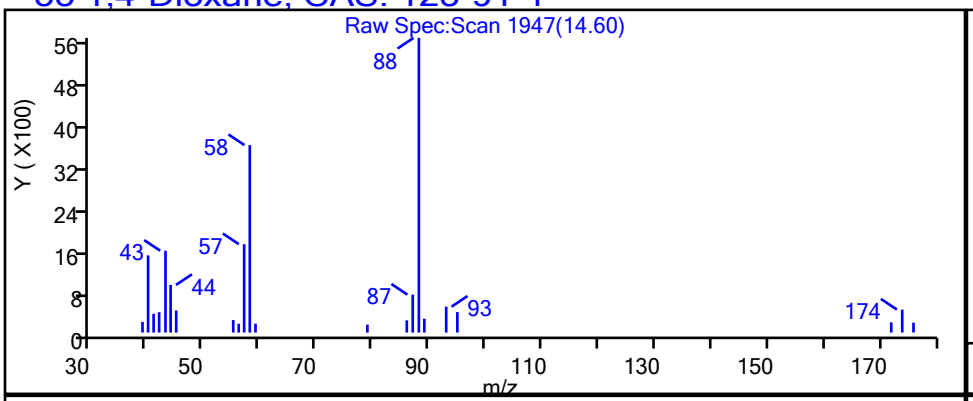
Report Date: 18-Sep-2024 16:00:03 Chrom Revision: 2.3 26-Aug-2024 17:14:48

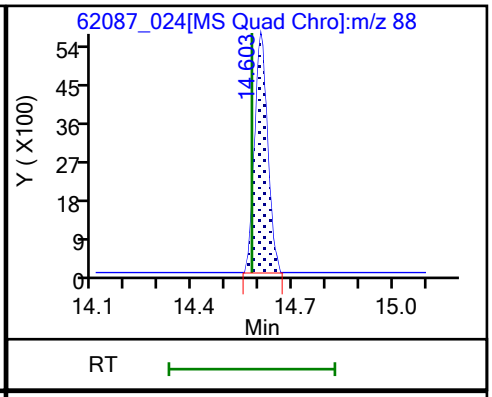
Eurofins Burlington

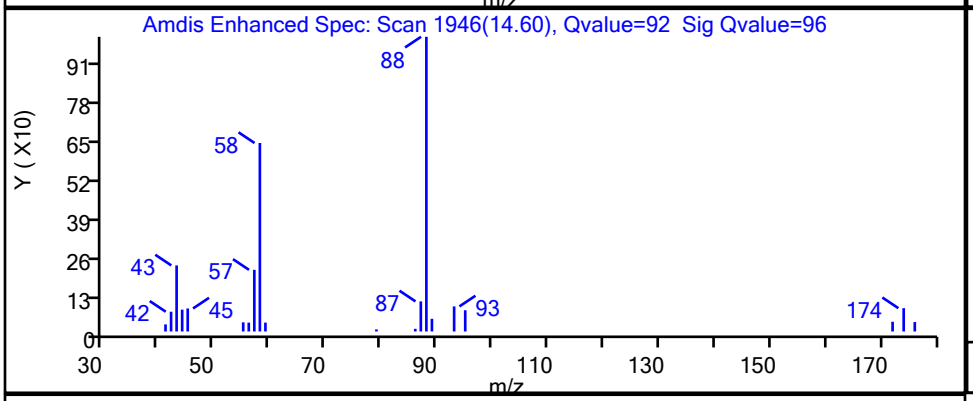
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

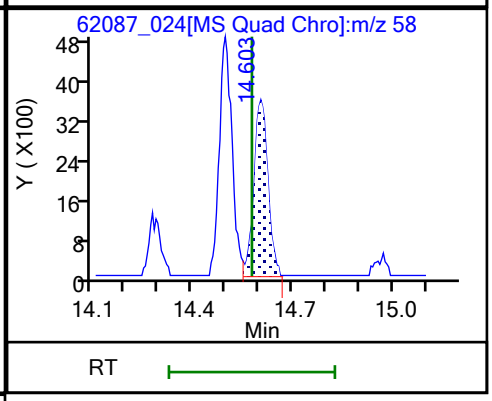
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

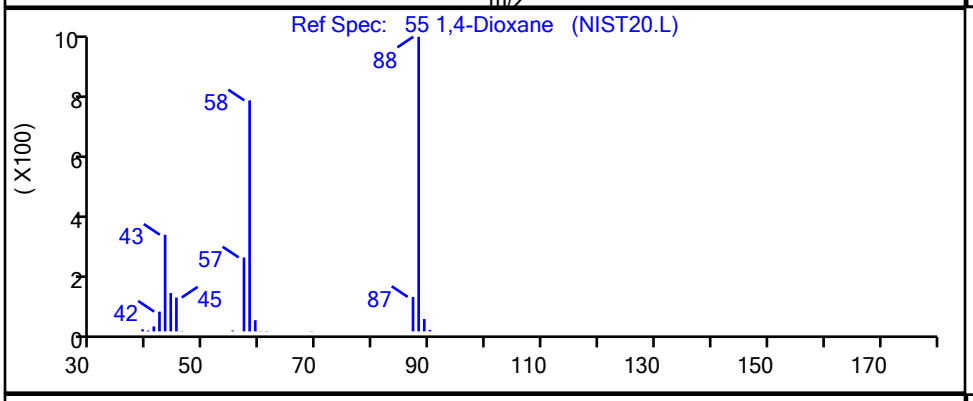
55 1,4-Dioxane, CAS: 123-91-1

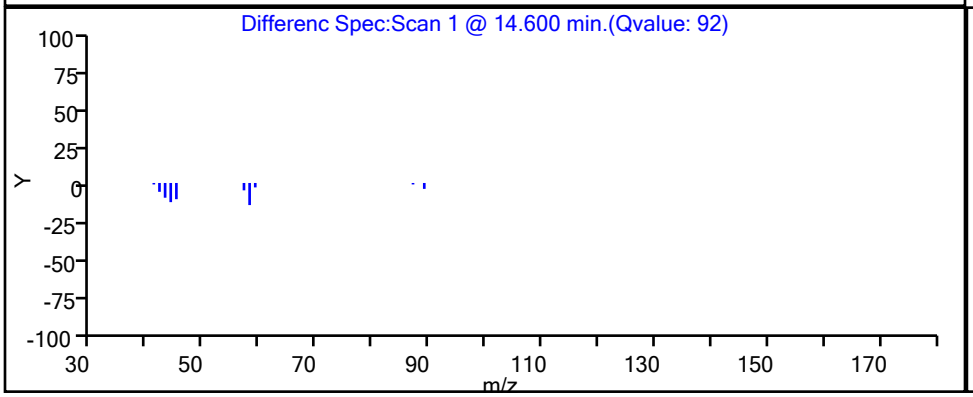


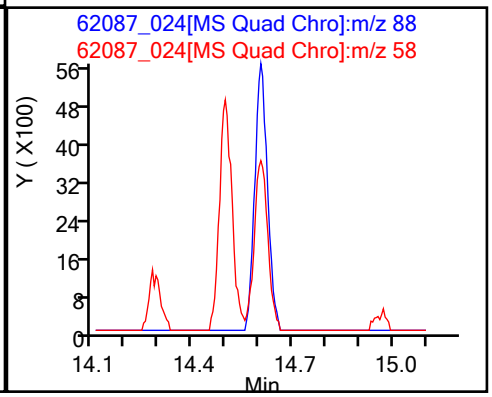










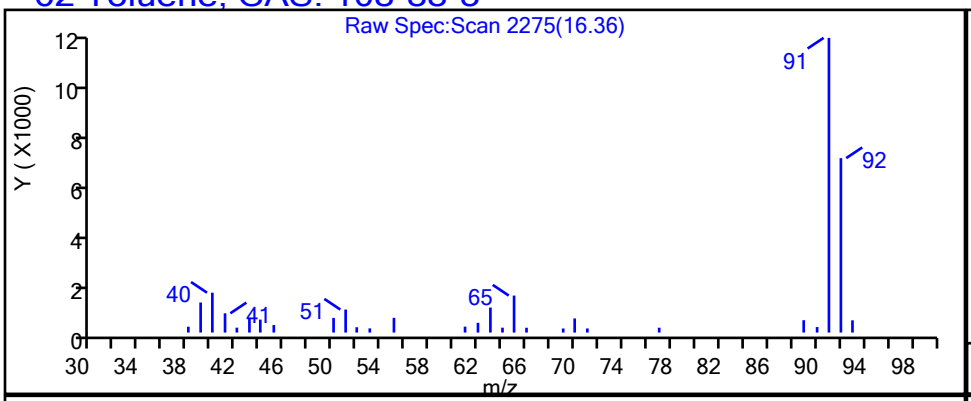


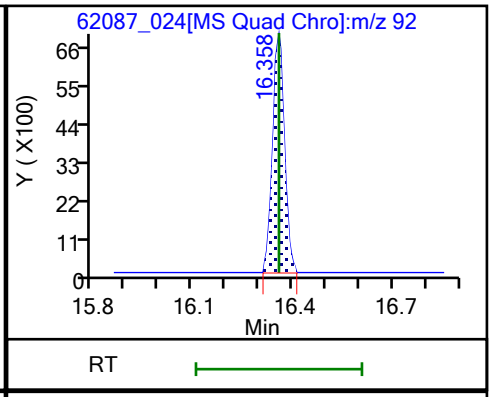
Report Date: 18-Sep-2024 16:00:03 Chrom Revision: 2.3 26-Aug-2024 17:14:48

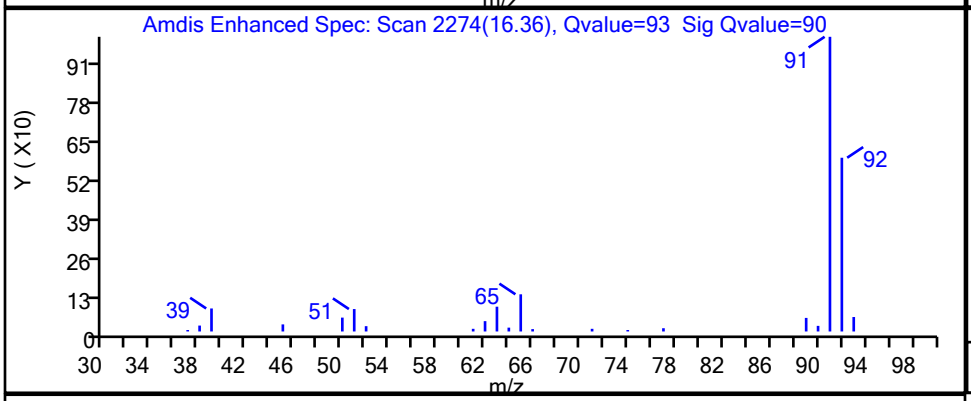
Eurofins Burlington

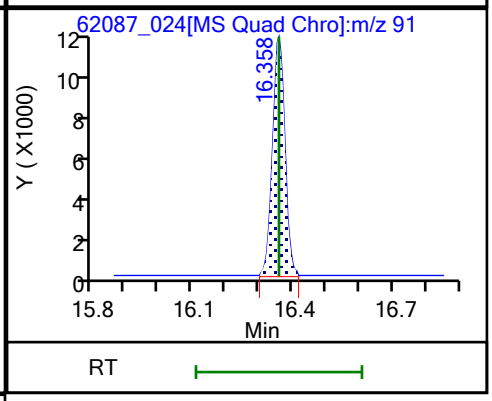
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

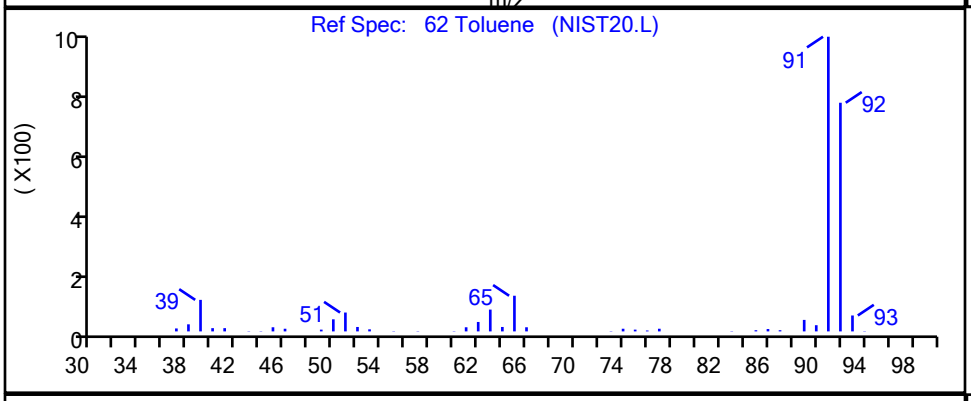
62 Toluene, CAS: 108-88-3

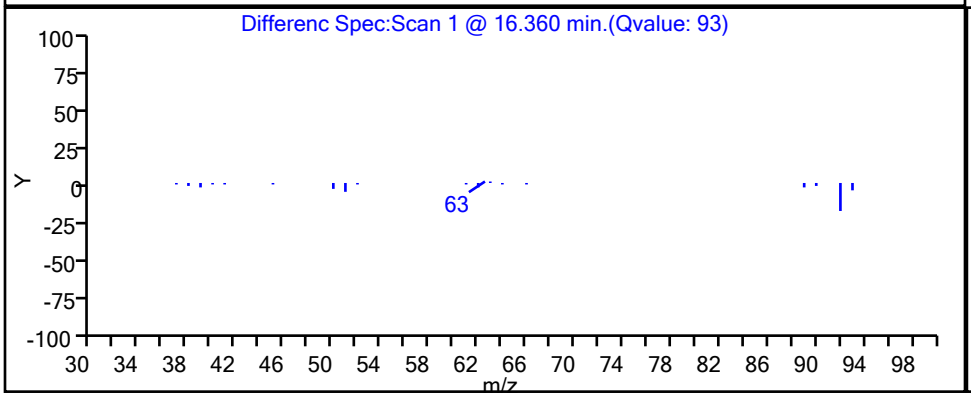


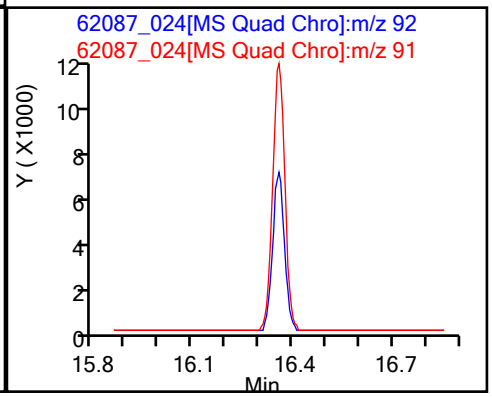












Report Date: 18-Sep-2024 16:00:03 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D

Injection Date: 18-Sep-2024 03:11:02 Instrument ID: CHAM.i

Lims ID: 200-75119-A-6 Lab Sample ID: 200-75119-6

Client ID: RXSV-7

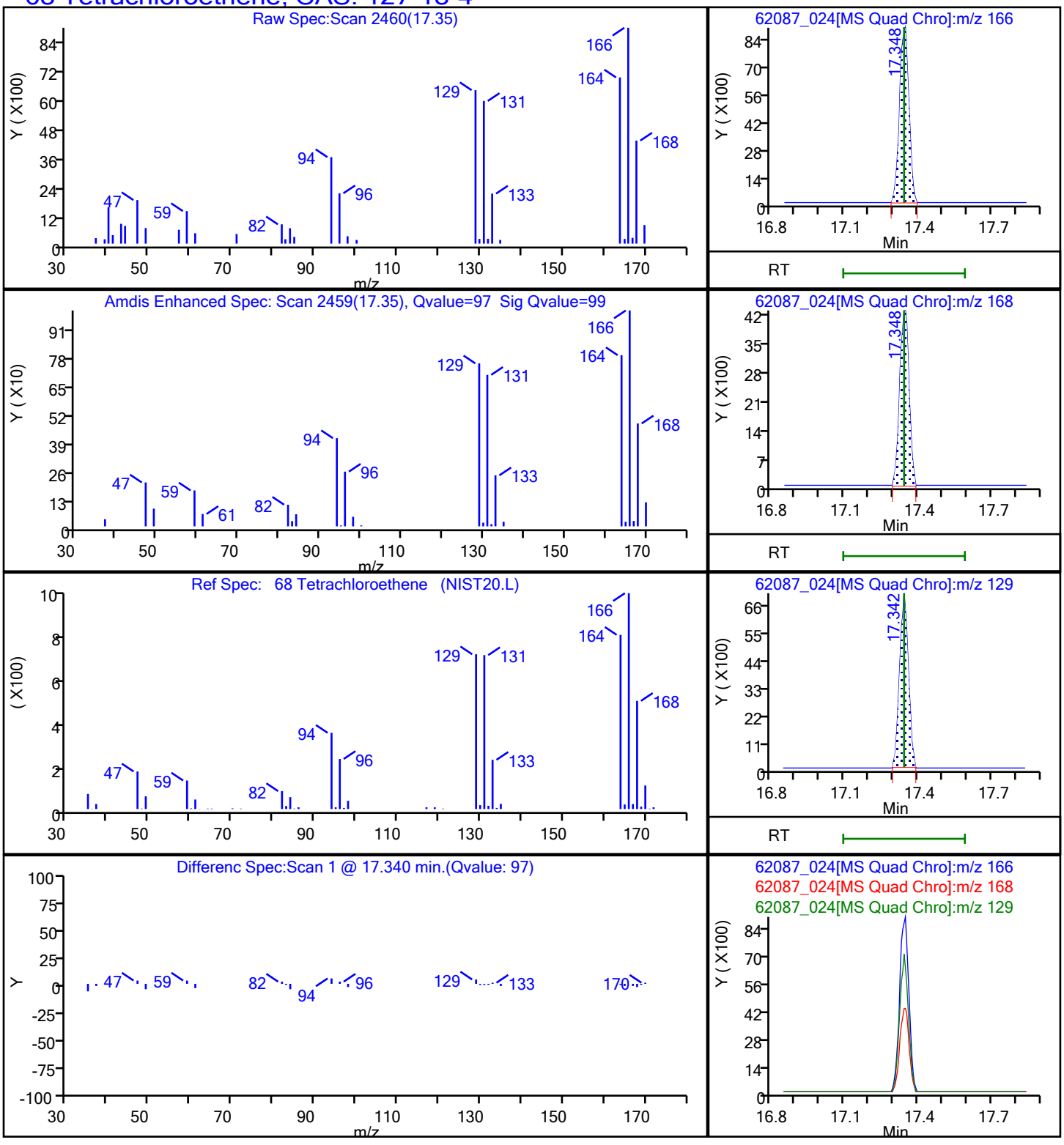
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 24

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

68 Tetrachloroethene, CAS: 127-18-4



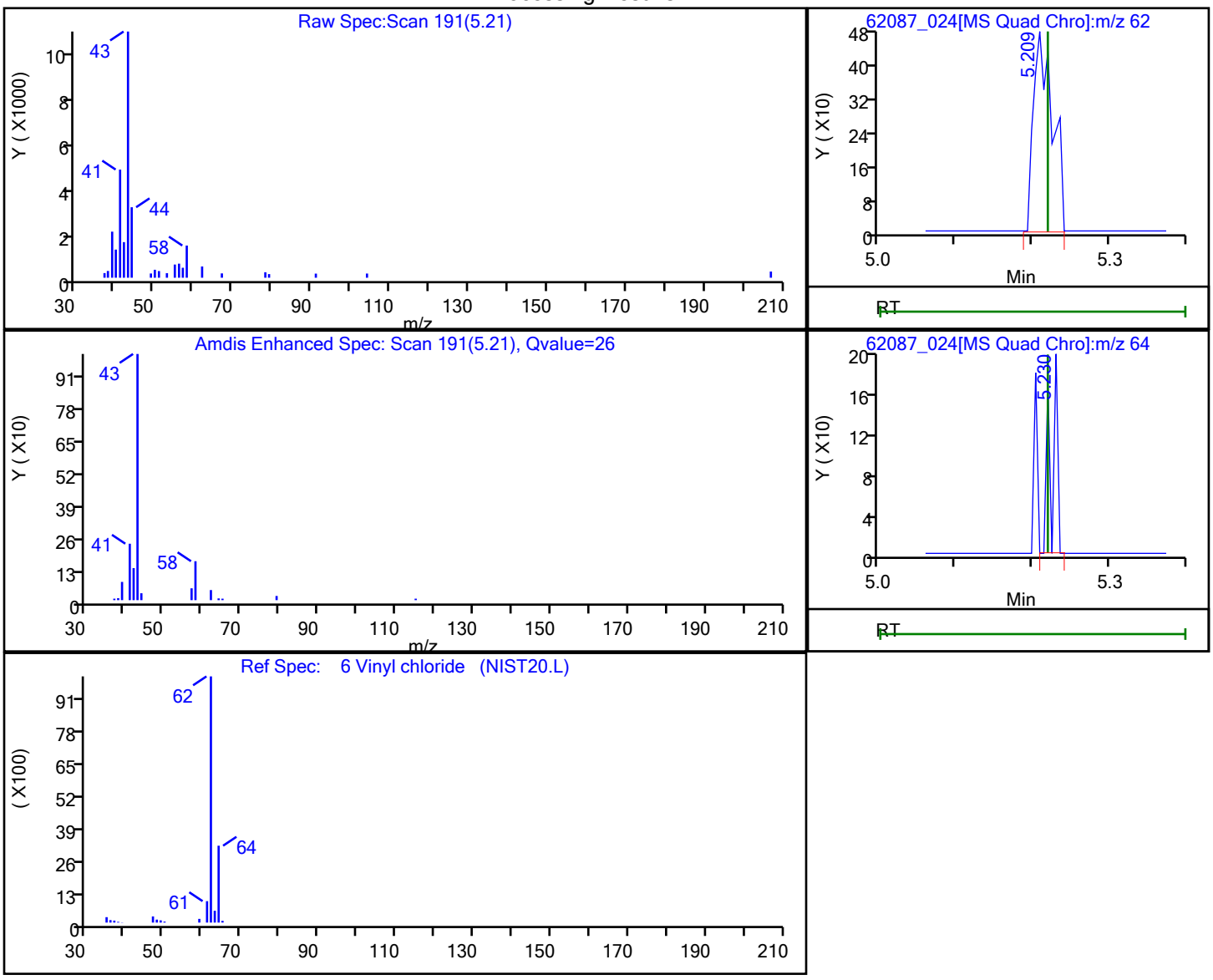
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
5.21	62.00	823	0.016706
5.23	64.00	114	

Reviewer: F7XK, 18-Sep-2024 15:56:26 07:00:00 (UTC)

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

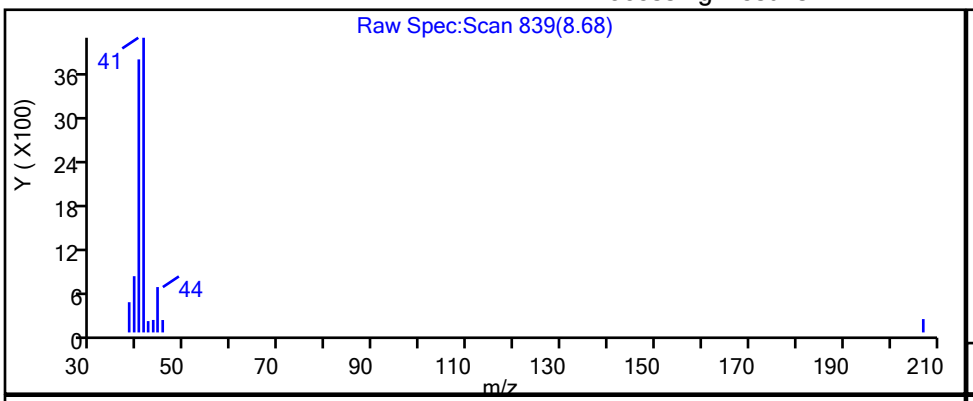
User Disabled Compound Report

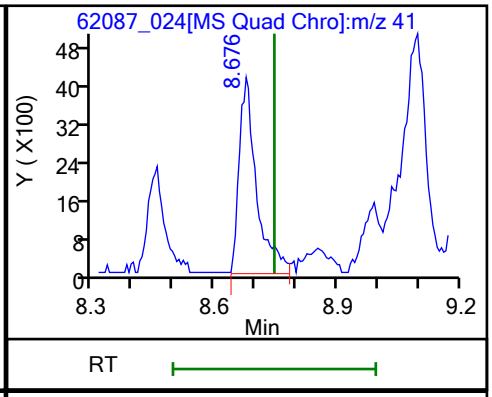
Eurofins Burlington

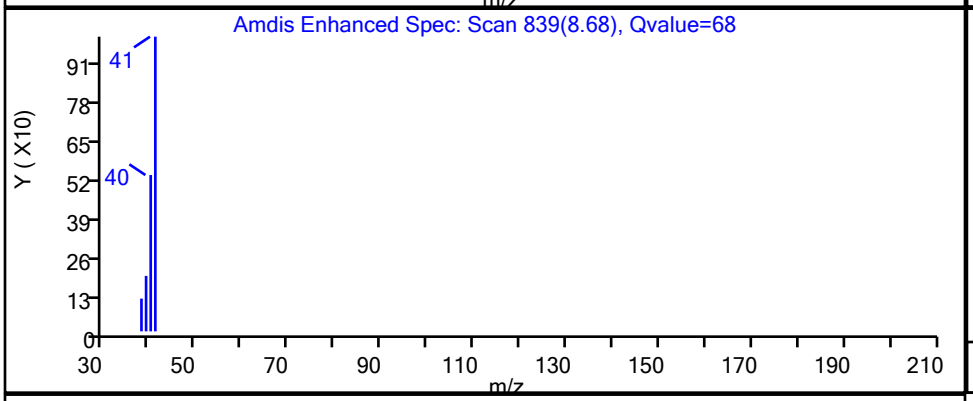
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

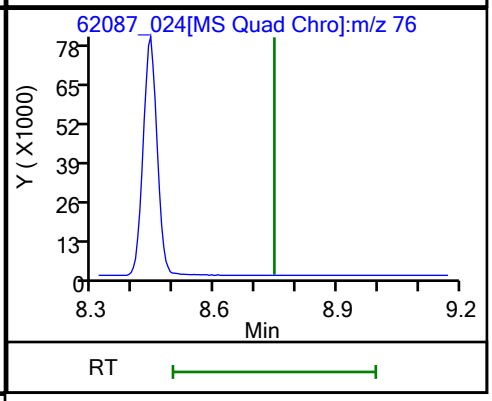
26 3-Chloro-1-propene, CAS: 107-05-1

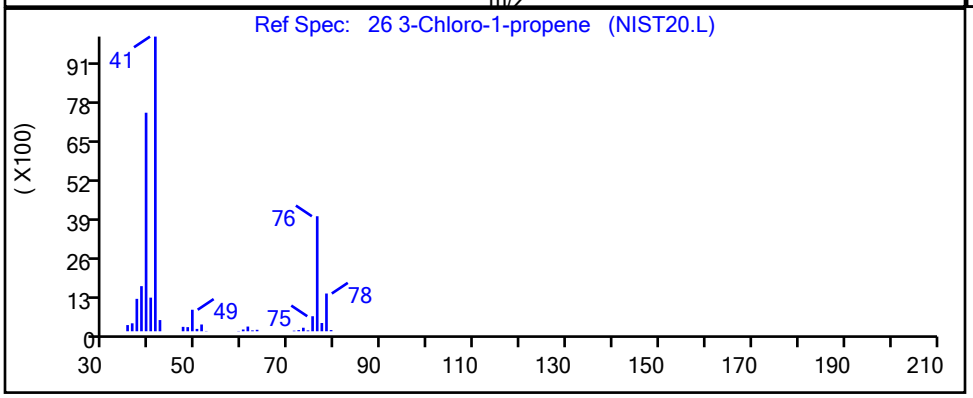
Processing Results











RT	Mass	Response	Amount
8.68	41.00	12052	0.179567
8.75	76.00	0	

Reviewer: F7XK, 18-Sep-2024 15:56:53 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

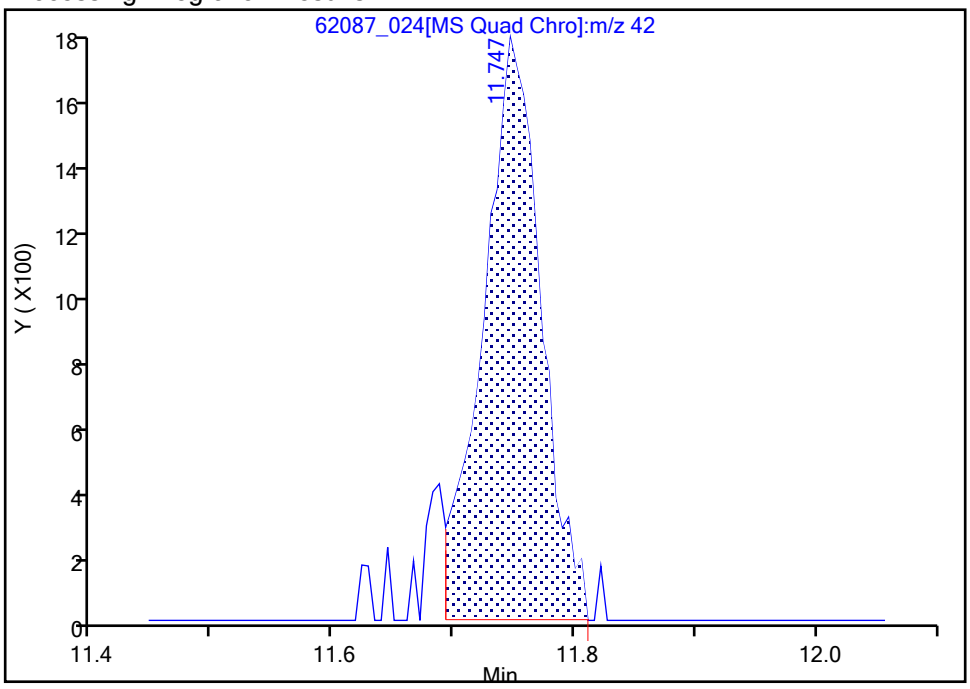
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

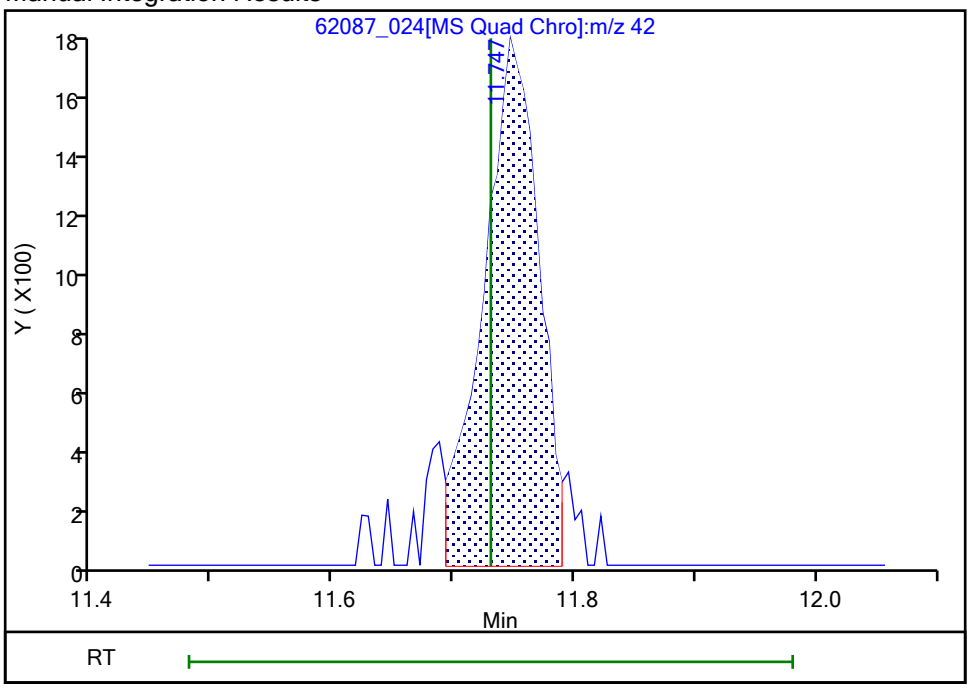
Processing Integration Results

RT: 11.75
Area: 5804
Amount: 0.104332
Amount Units: ppb v/v



Manual Integration Results

RT: 11.75
Area: 5599
Amount: 0.100647
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 15:57:36 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

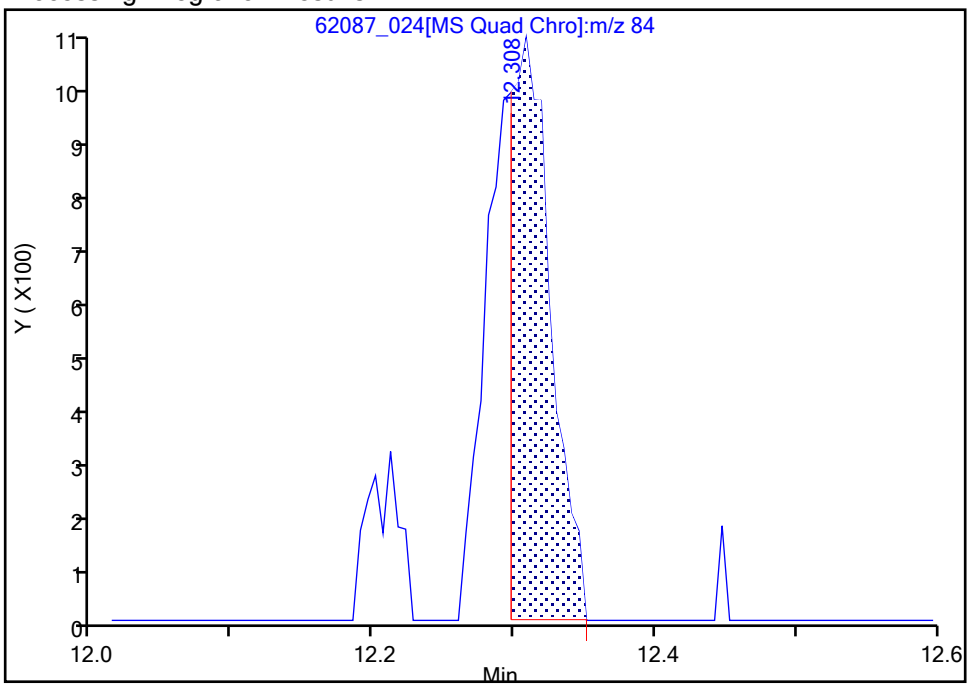
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

Signal: 1

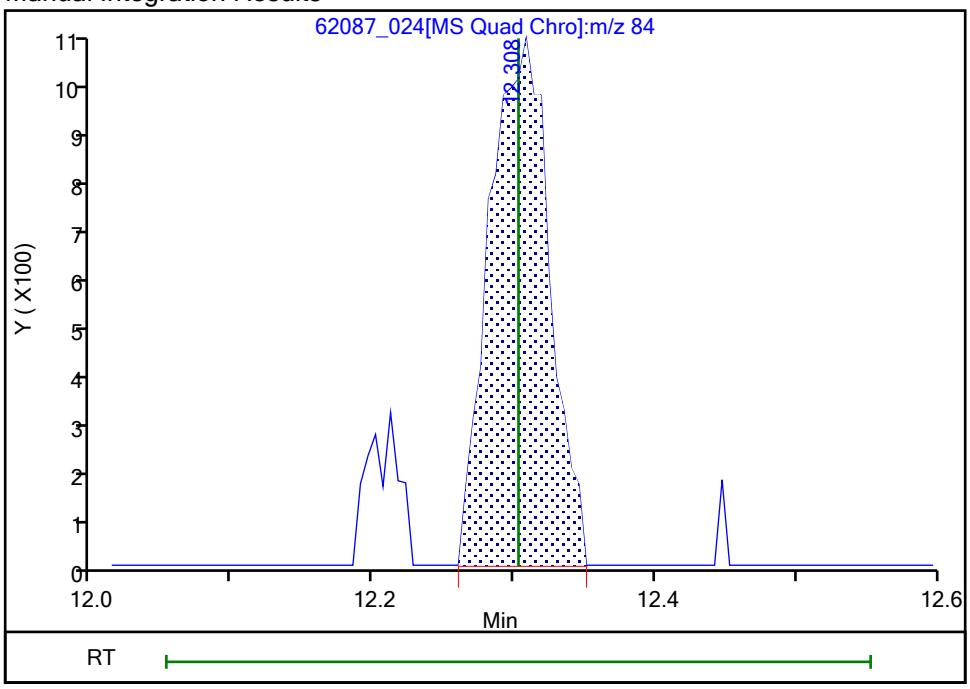
Processing Integration Results

RT: 12.31
Area: 2046
Amount: 0.027898
Amount Units: ppb v/v



Manual Integration Results

RT: 12.31
Area: 3090
Amount: 0.042133
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 15:57:53 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

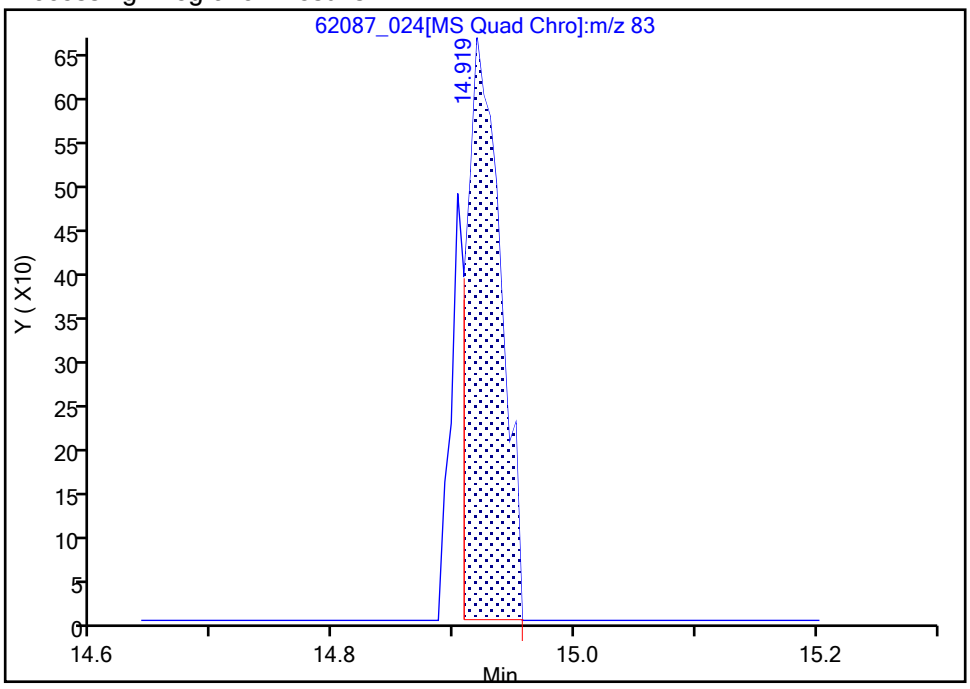
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

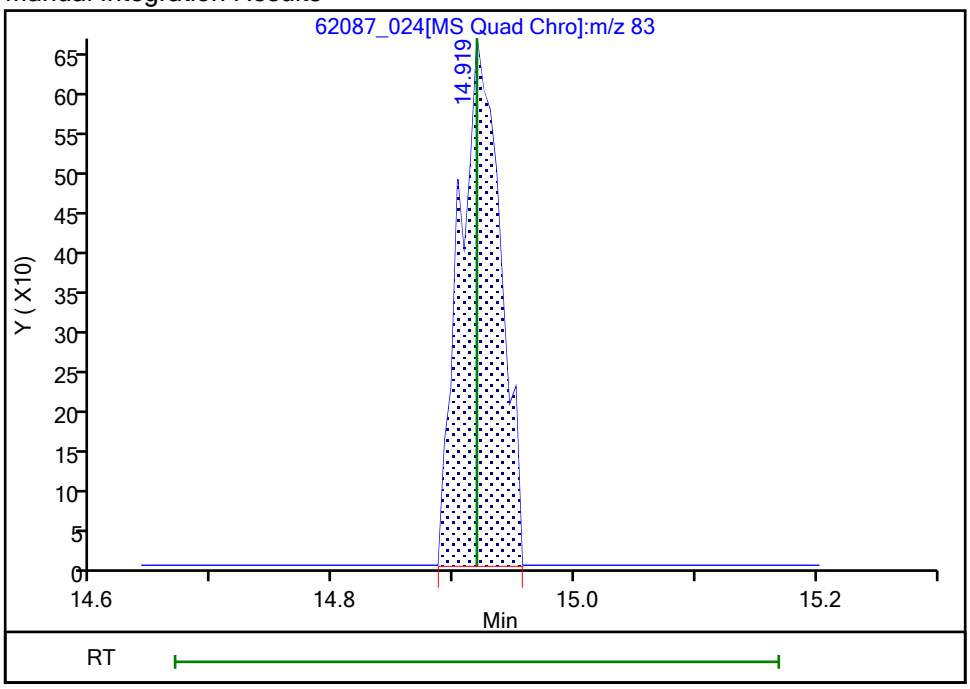
Processing Integration Results

RT: 14.92
Area: 1281
Amount: 0.010034
Amount Units: ppb v/v



Manual Integration Results

RT: 14.92
Area: 1559
Amount: 0.012212
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 15:58:34 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington

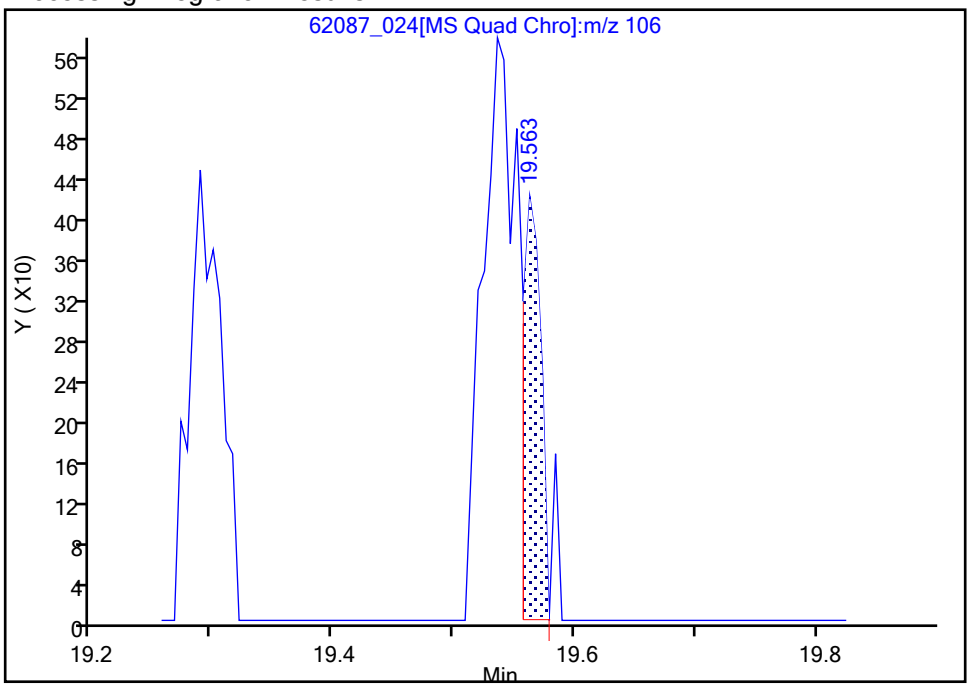
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

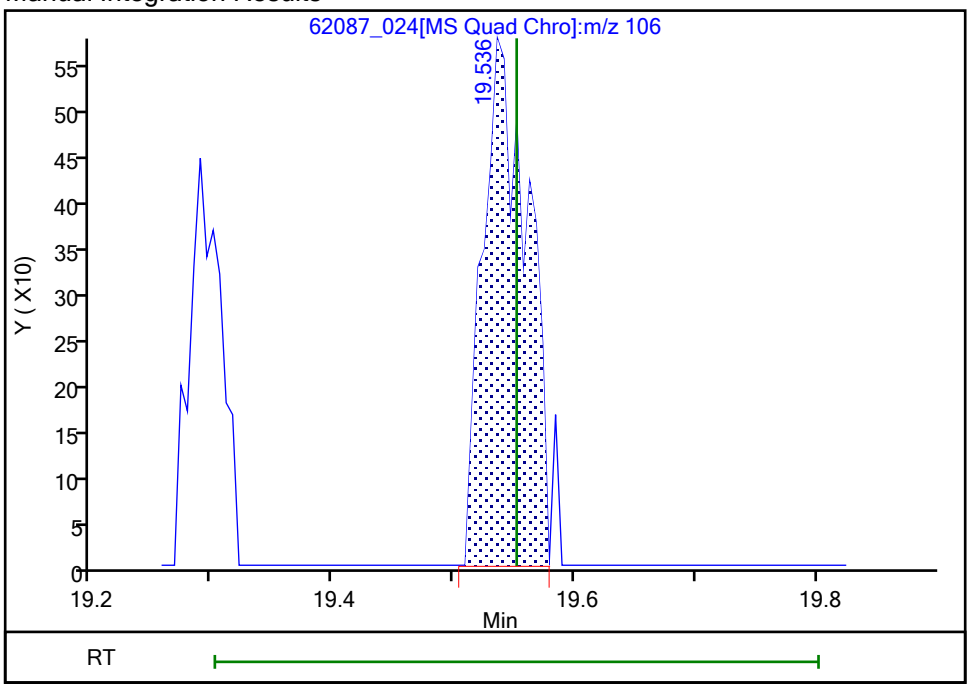
Processing Integration Results

RT: 19.56
Area: 435
Amount: 0.004446
Amount Units: ppb v/v



Manual Integration Results

RT: 19.54
Area: 1483
Amount: 0.015157
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 15:59:08 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

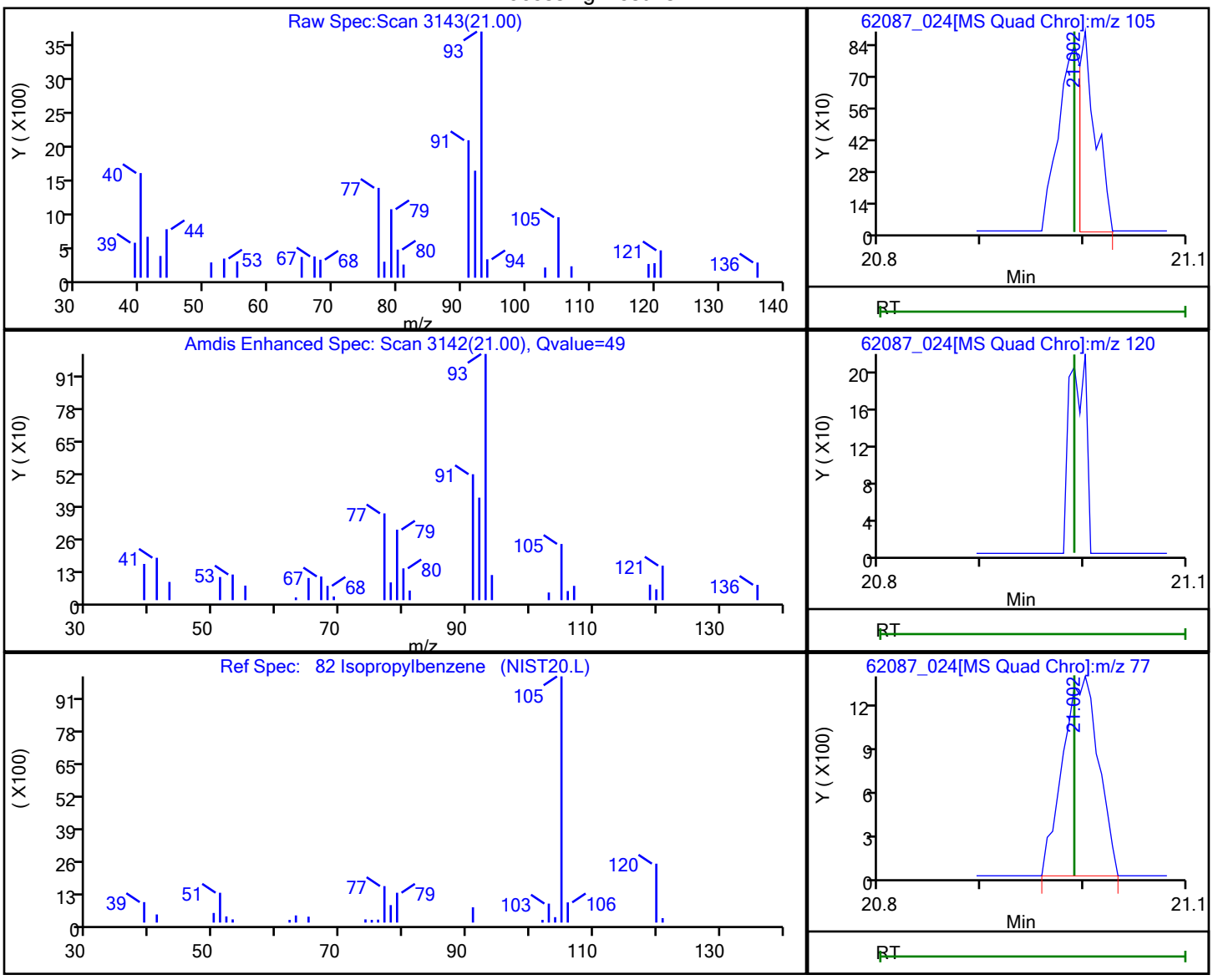
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_024.D				
Injection Date:	18-Sep-2024 03:11:02	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-6	Lab Sample ID:	200-75119-6		
Client ID:	RXSV-7				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
21.00	105.00	1013	0.003613
21.00	77.00	3234	
20.99	120.00	0	

Reviewer: F7XK, 18-Sep-2024 15:59:33 07:00:00 (UTC)

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

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-3 Lab Sample ID: 200-75119-7

Matrix: Air Lab File ID: 62087_025.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.8	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.1	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	0.91	J	1.0	0.31
106-97-8	n-Butane	58.12	3.7		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.55	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	43		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	5.8		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	7.7	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.83	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	2.2		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	1.2		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	0.43	J	1.1	0.24
110-82-7	Cyclohexane	84.16	0.26	J	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.21	J	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-3 Lab Sample ID: 200-75119-7

Matrix: Air Lab File ID: 62087_025.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.64	J	0.93	0.18
71-43-2	Benzene	78.11	1.5		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	1.6		0.82	0.23
79-01-6	Trichloroethene	131.39	0.41		0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	9.2		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	2.3		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	1.9		0.87	0.30
179601-23-1	m,p-Xylene	106.17	8.2		2.2	0.41
95-47-6	o-Xylene	106.17	2.2		0.87	0.27
100-42-5	Styrene	104.15	0.34	J	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	2.1		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	4.7		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	1.2		0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-3 Lab Sample ID: 200-75119-7

Matrix: Air Lab File ID: 62087_025.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	4.4		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	4.2		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-3 Lab Sample ID: 200-75119-7

Matrix: Air Lab File ID: 62087_025.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.37	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.31	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.44	J	0.50	0.15
106-97-8	n-Butane	58.12	1.5		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.072	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	18		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	1.9		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	2.5	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.23	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.76		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.24		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.079	J	0.20	0.044
110-82-7	Cyclohexane	84.16	0.076	J	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.034	J	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-3 Lab Sample ID: 200-75119-7

Matrix: Air Lab File ID: 62087_025.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	J	0.20	0.038
71-43-2	Benzene	78.11	0.47		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.40		0.20	0.055
79-01-6	Trichloroethene	131.39	0.075		0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	2.4		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.34		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.44		0.20	0.069
179601-23-1	m,p-Xylene	106.17	1.9		0.50	0.095
95-47-6	o-Xylene	106.17	0.52		0.20	0.063
100-42-5	Styrene	104.15	0.081	J	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.42		0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.95		0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.25		0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-3 Lab Sample ID: 200-75119-7

Matrix: Air Lab File ID: 62087_025.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:00

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.90		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.70		0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D
Lims ID: 200-75119-A-7
Client ID: RXSV-3
Sample Type: Client
Inject. Date: 18-Sep-2024 04:02:41 ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-025
Misc. Info.: 75119-7
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 16:07:36 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 16:07:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.412	4.419	-0.005	99	49317	0.3678	
3 Chlorodifluoromethane	51	4.465	4.467	0.000	97	22141	0.3105	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.792				ND	MU
5 Chloromethane	50	4.910	4.917	-0.005	99	17183	0.4415	
7 Butane	43	5.214	5.217	0.000	97	97799	1.54	
6 Vinyl chloride	62		5.220				ND	7
8 Butadiene	54		5.337				ND	MU
9 Bromomethane	94		6.086				ND	7
10 Chloroethane	64	6.359	6.362	0.000	94	1522	0.0566	
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.948	6.956	-0.005	99	34156	0.2381	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.082	8.075	0.011	95	8596	0.0715	
22 Acetone	43	8.135	8.128	0.010	97	1334929	18.2	
23 Isopropyl alcohol	45	8.456	8.439	0.021	100	64398	0.7631	
24 Carbon disulfide	76	8.440	8.444	0.000	99	291150	1.86	
26 3-Chloro-1-propene	41		8.745				ND	MU
27 Methylene Chloride	49	8.986	8.990	0.000	91	4251	0.0710	
28 2-Methyl-2-propanol	59	9.232	9.220	0.016	99	244145	2.53	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73	9.516	9.488	0.033	17	1946	0.0131	
32 Hexane	57	9.992	9.996	0.000	92	19853	0.2346	
33 1,1-Dichloroethane	63		10.270				ND	7
36 2-Butanone (MEK)	72	11.270	11.265	0.010	98	21005	0.7591	
37 cis-1,2-Dichloroethene	96		11.281				ND	7
* 39 Chlorobromomethane	128	11.698	11.693	0.005	89	311946	10.0	
40 Tetrahydrofuran	42		11.730				ND	7
41 Chloroform	83	11.880	11.880	0.005	95	29435	0.2441	
42 1,1,1-Trichloroethane	97	12.180	12.174	0.006	98	9343	0.0788	
43 Cyclohexane	84	12.298	12.298	-0.005	94	5568	0.0755	M
44 Carbon tetrachloride	117	12.447	12.447	0.000	94	4106	0.0336	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.806	12.806	0.000	95	80801	0.4667	
46 1,2-Dichloroethane	62		12.891				ND	
47 Isooctane	57	13.009	13.009	0.000	96	36708	0.1365	
48 n-Heptane	43	13.319	13.319	0.000	94	38867	0.3985	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	94	1499105	10.0	
51 Trichloroethene	95	13.983	13.977	0.006	98	6090	0.0754	
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	7
55 1,4-Dioxane	88		14.576				ND	7
58 Dichlorobromomethane	83		14.919				ND	7
59 cis-1,3-Dichloropropene	75		15.721				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.994	15.994	0.005	93	6712	0.0565	7M
62 Toluene	92	16.358	16.363	0.000	94	290856	2.44	
66 trans-1,3-Dichloropropene	75		16.781				ND	MU
67 1,1,2-Trichloroethane	83		17.160				ND	MU
68 Tetrachloroethene	166	17.342	17.347	0.000	98	33878	0.3415	
69 2-Hexanone	43	17.583	17.577	0.011	94	10031	0.0927	
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	MU
* 73 Chlorobenzene-d5	117	19.049	19.043	0.006	86	1319494	10.0	
74 Chlorobenzene	112	19.102	19.108	0.000	83	2538	0.0158	
75 Ethylbenzene	91	19.290	19.295	0.000	98	116210	0.4430	
76 m-Xylene & p-Xylene	106	19.541	19.536	-0.011	0	187549	1.89	
78 o-Xylene	106	20.322	20.328	0.000	99	49367	0.5160	
79 Styrene	104	20.360	20.360	0.006	84	12564	0.0808	M
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105		20.991				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	MU
85 N-Propylbenzene	91	21.686	21.692	0.000	99	142594	0.4181	
86 2-Chlorotoluene	91		21.836				ND	
87 4-Ethyltoluene	105	21.879	21.885	0.000	99	259230	0.9483	
88 1,3,5-Trimethylbenzene	105	21.975	21.976	0.005	93	58042	0.2528	
91 tert-Butylbenzene	119	22.446	22.446	0.000	52	1546	0.007003	7M
92 1,2,4-Trimethylbenzene	105	22.537	22.538	0.005	96	208740	0.9012	
93 sec-Butylbenzene	105	22.767	22.767	0.000	97	6666	0.0200	M
94 1,3-Dichlorobenzene	146	22.944	22.950	0.001	98	112143	0.7049	
95 4-Isopropyltoluene	119	22.976	22.976	0.000	50	6708	0.0244	M
96 1,4-Dichlorobenzene	146	23.083	23.089	0.000	94	7181	0.0452	
97 Benzyl chloride	91	23.227	23.227	-0.011	1	1328	0.006620	7M
98 n-Butylbenzene	91	23.543	23.549	0.000	63	7637	0.0286	
99 1,2-Dichlorobenzene	146	23.586	23.586	0.001	14	1829	0.0121	M
102 1,2,4-Trichlorobenzene	180		26.084				ND	7
103 Hexachlorobutadiene	225		26.330				ND	7
104 Naphthalene	128	26.581	26.589	0.000	97	12042	0.0552	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

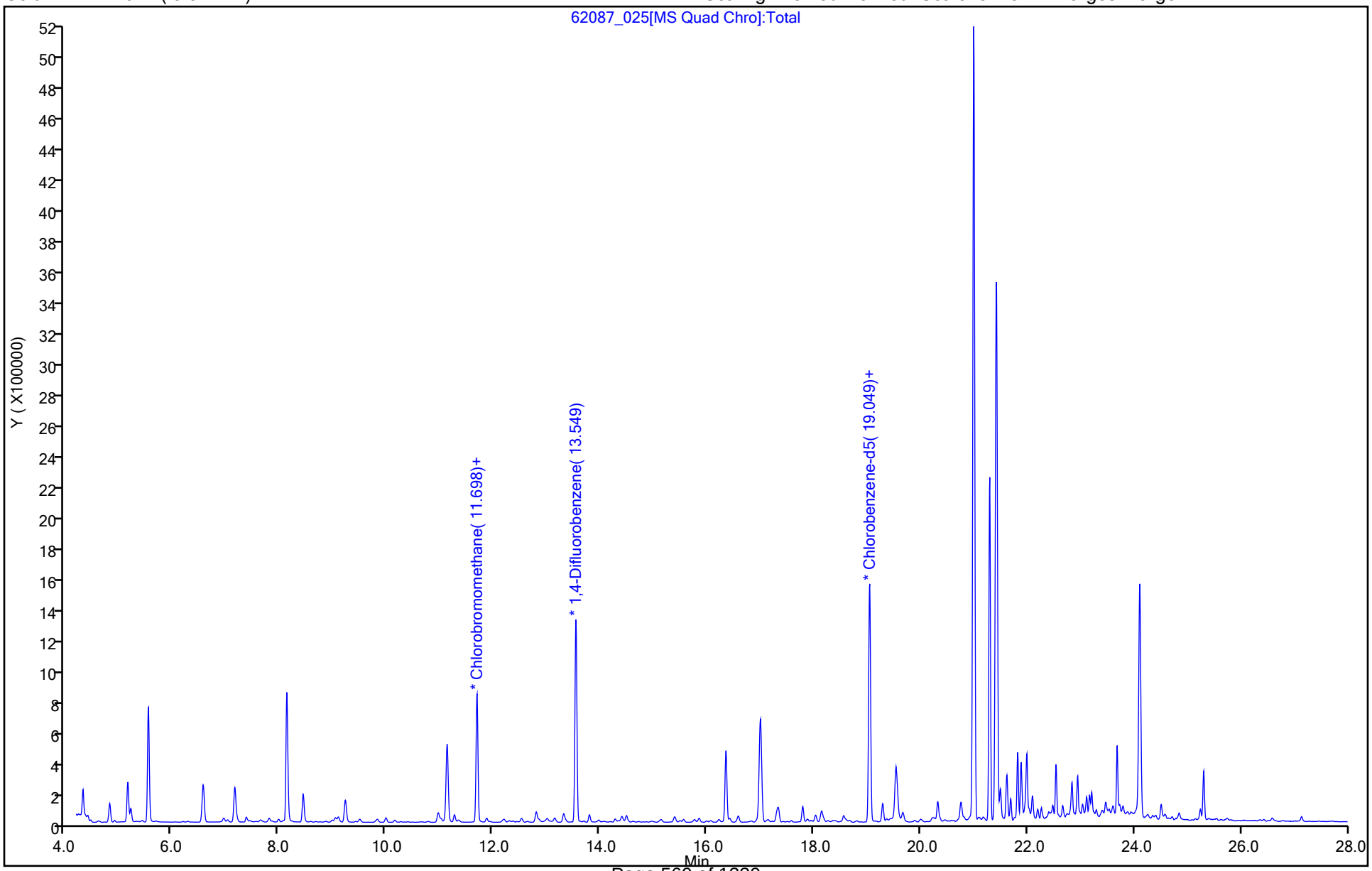
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 16:07:36 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7	Worklist Smp#:	25
Client ID:	RXSV-3				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

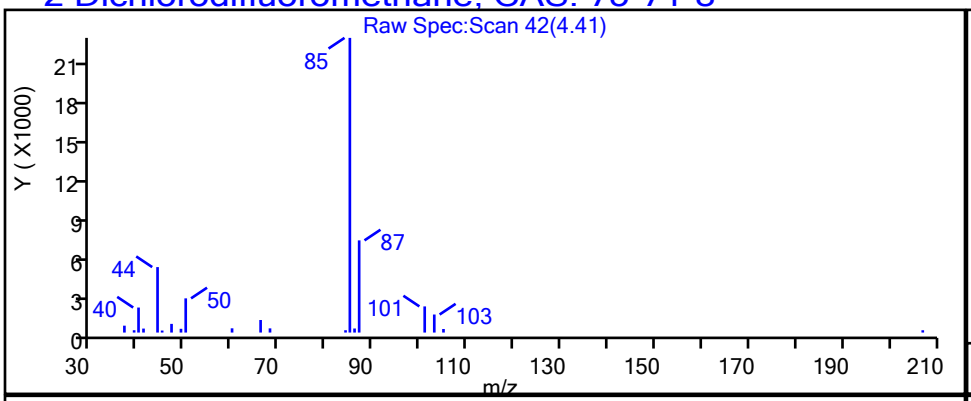


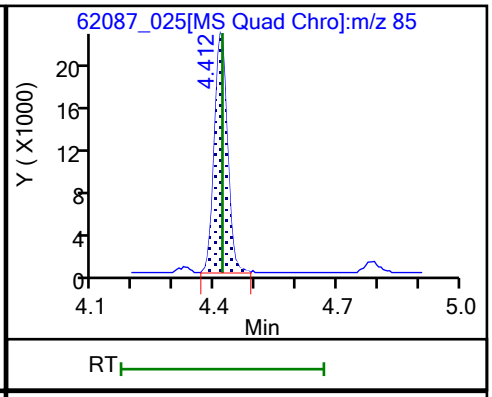
Report Date: 18-Sep-2024 16:07:36 Chrom Revision: 2.3 26-Aug-2024 17:14:48

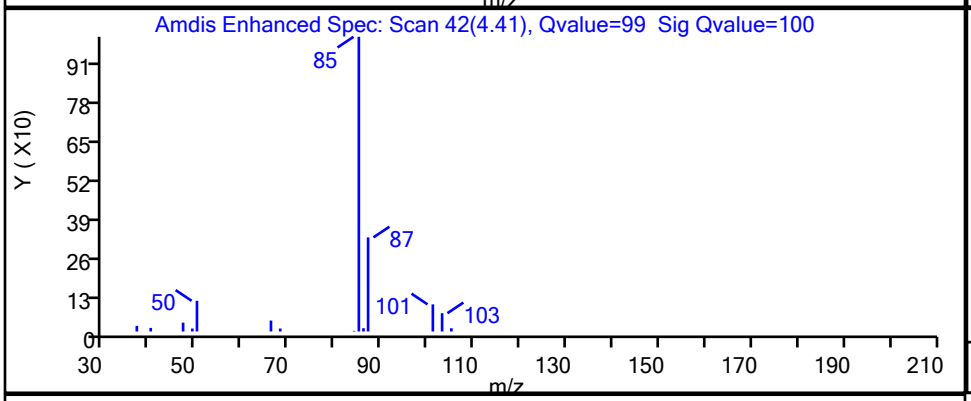
Eurofins Burlington

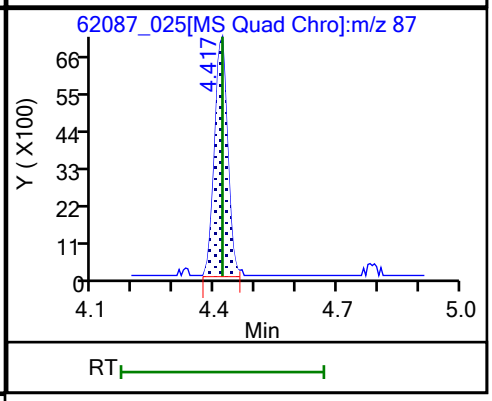
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

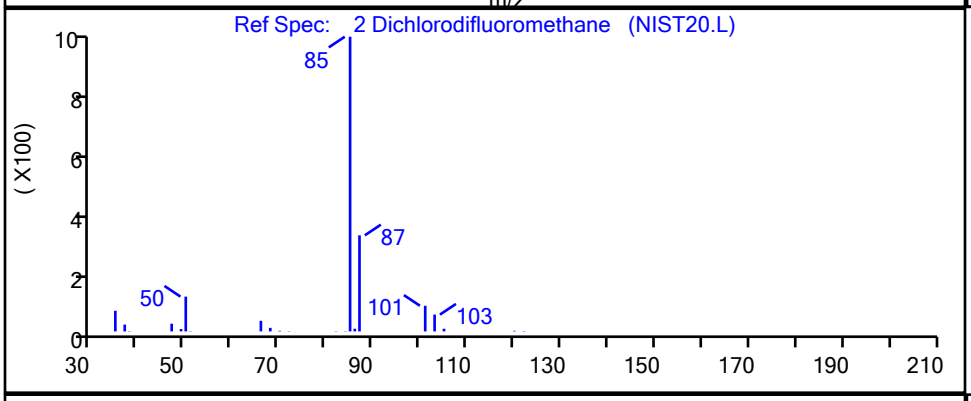
2 Dichlorodifluoromethane, CAS: 75-71-8

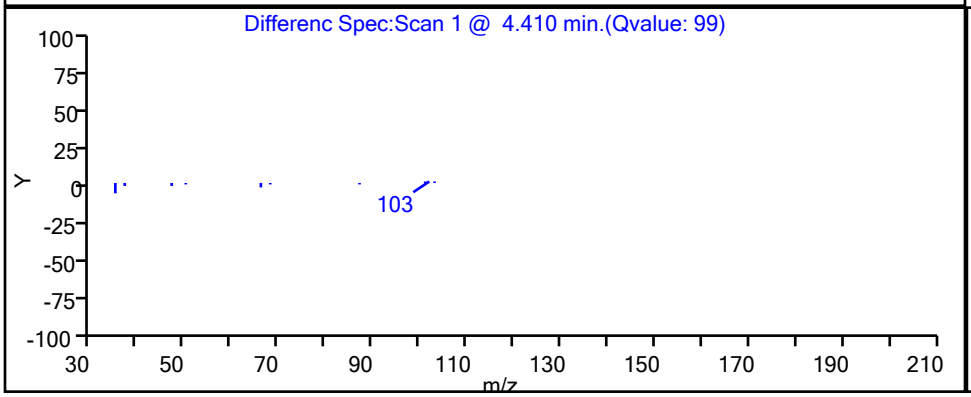


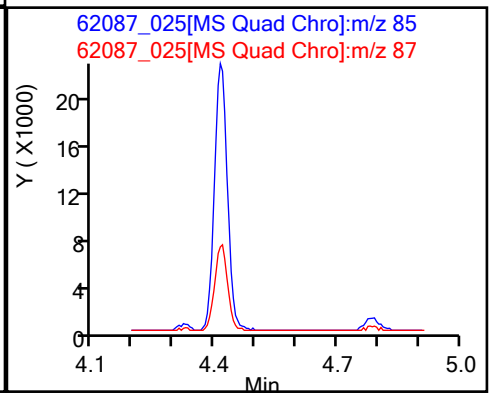












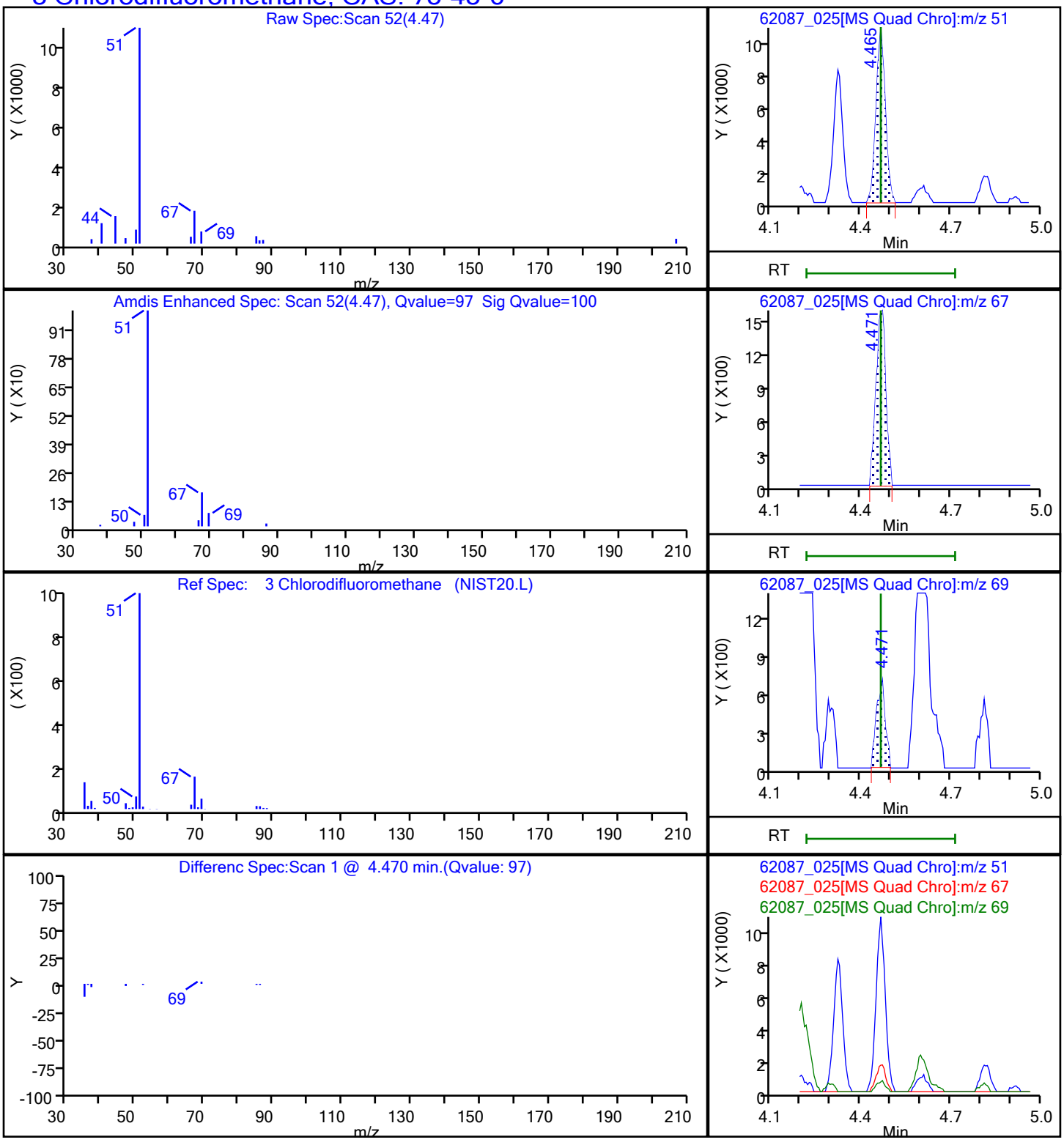
Report Date: 18-Sep-2024 16:07:36 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



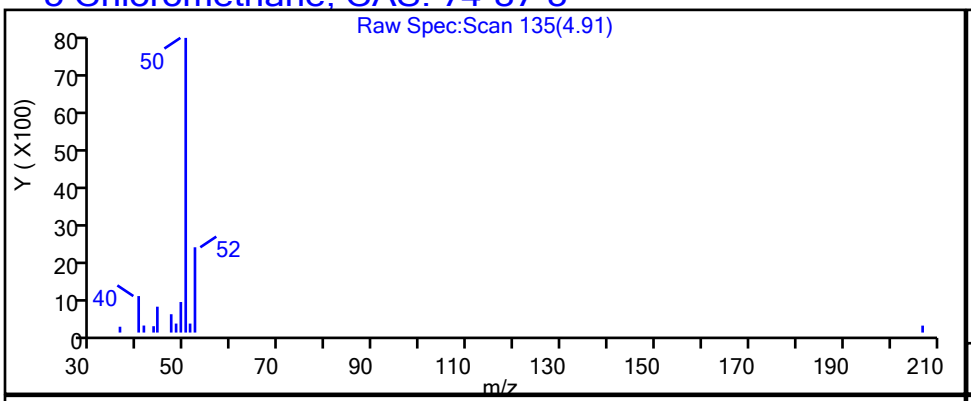
Report Date: 18-Sep-2024 16:07:36 Chrom Revision: 2.3 26-Aug-2024 17:14:48

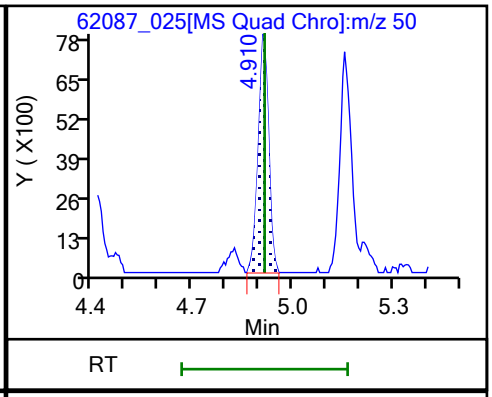
Eurofins Burlington

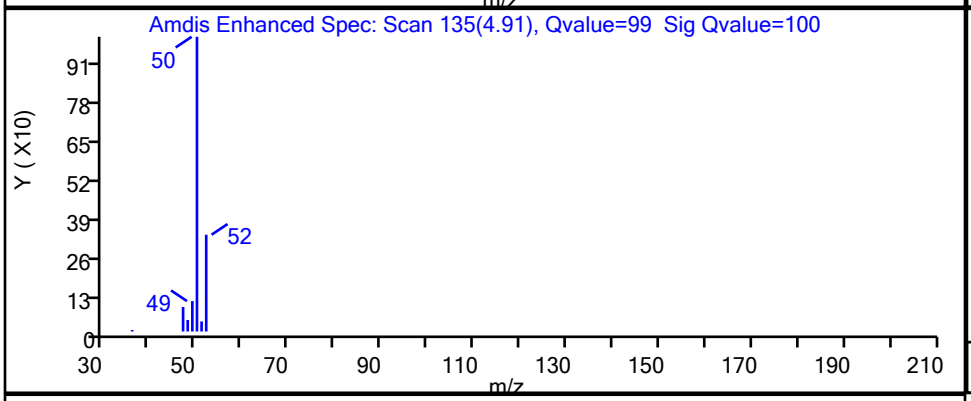
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

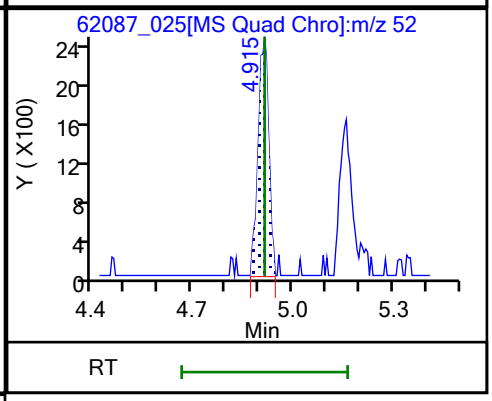
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

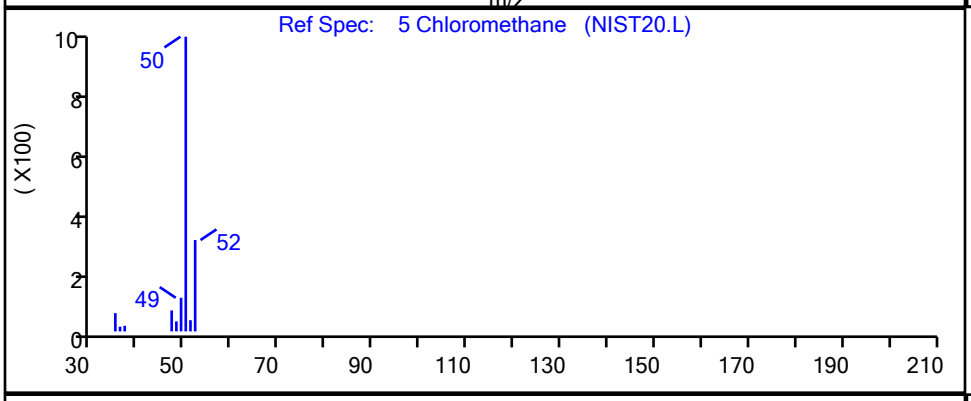
5 Chloromethane, CAS: 74-87-3

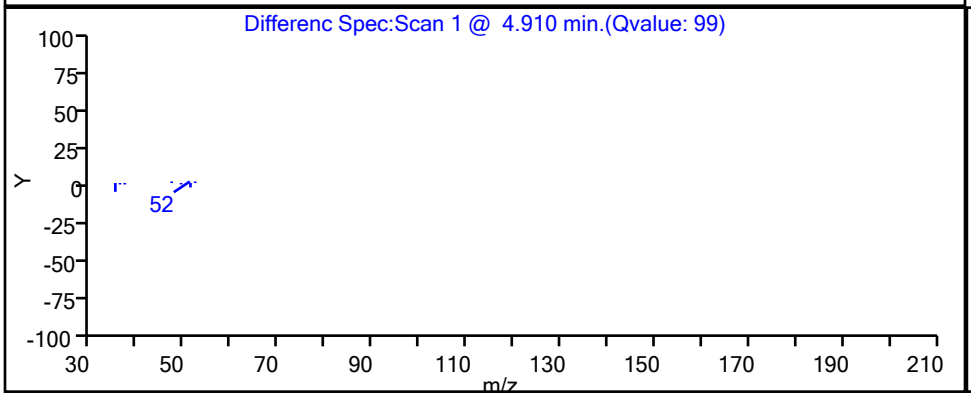


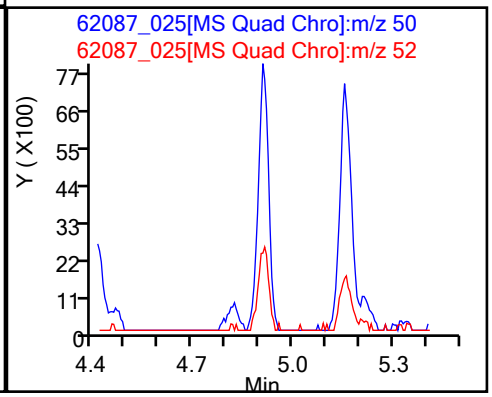












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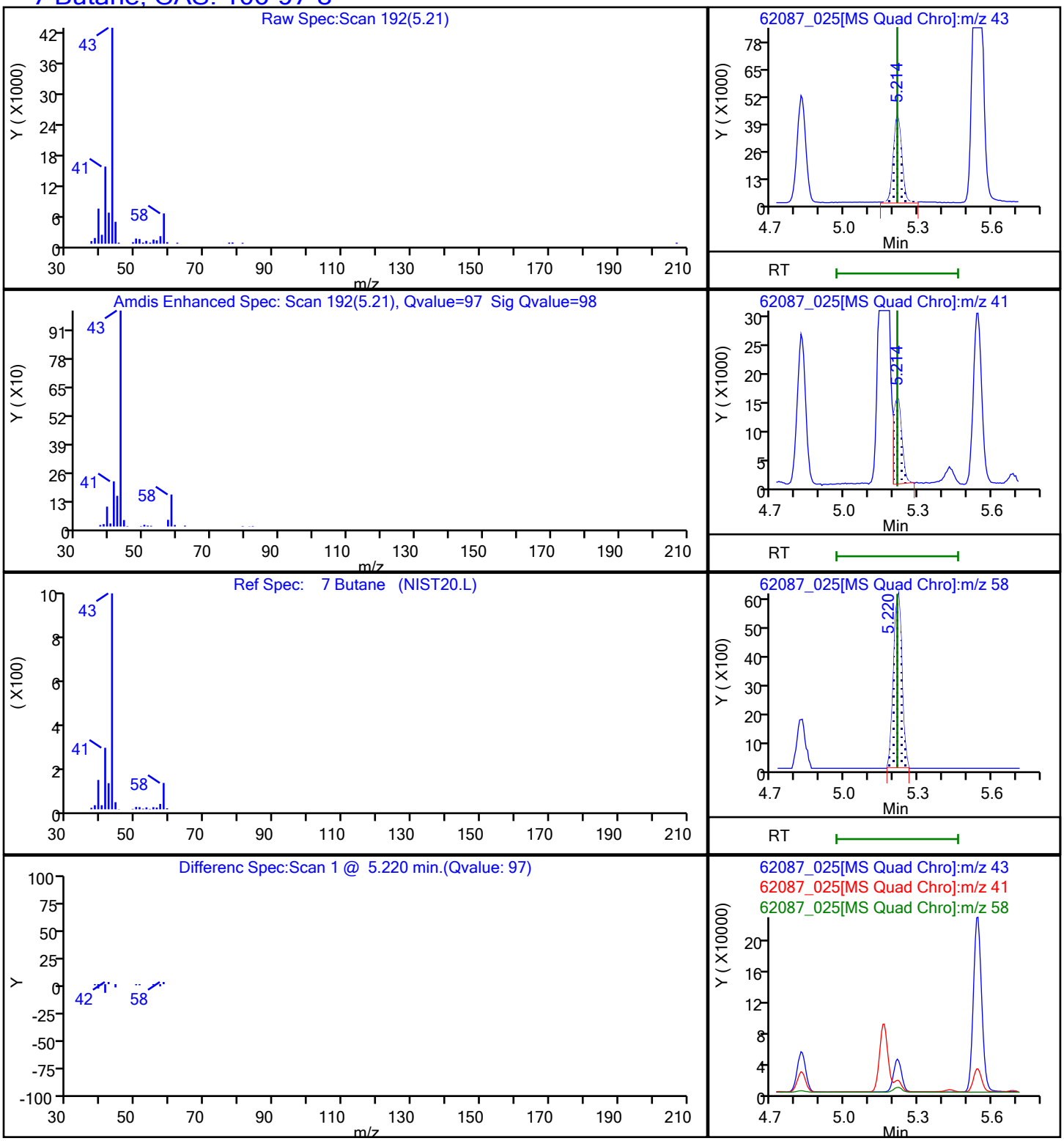
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8



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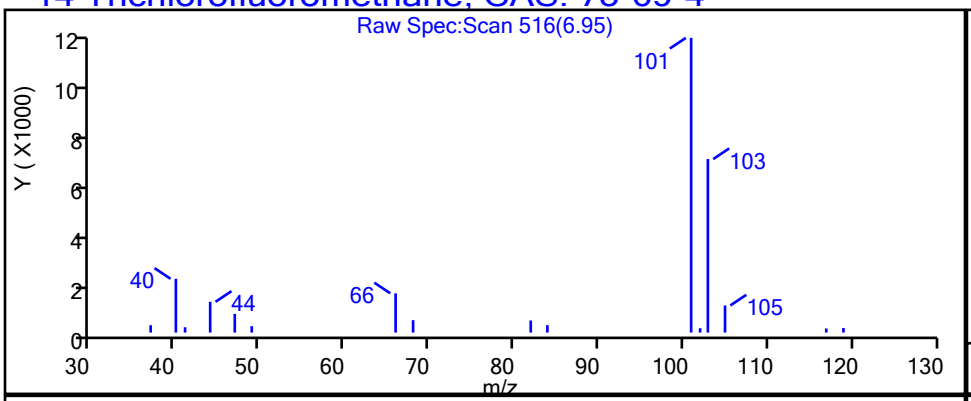
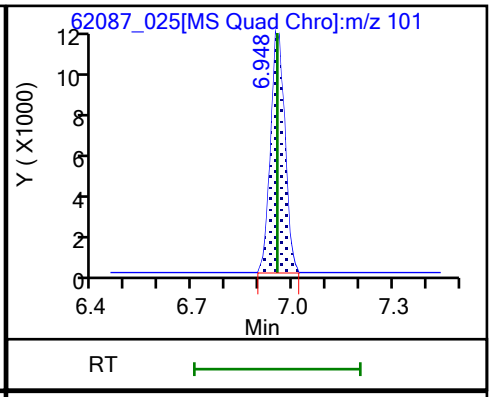
Eurofins Burlington

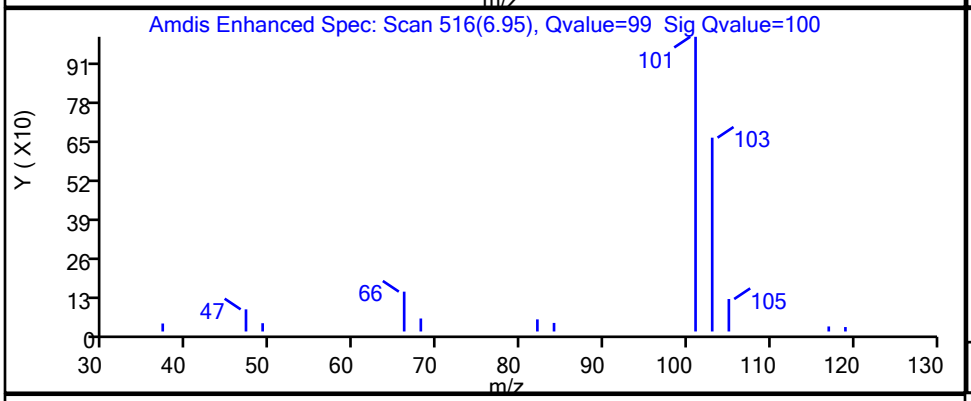
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

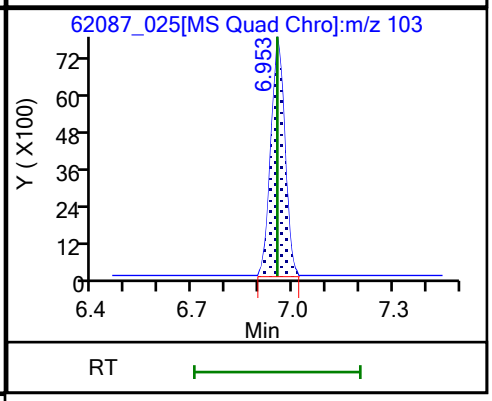
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

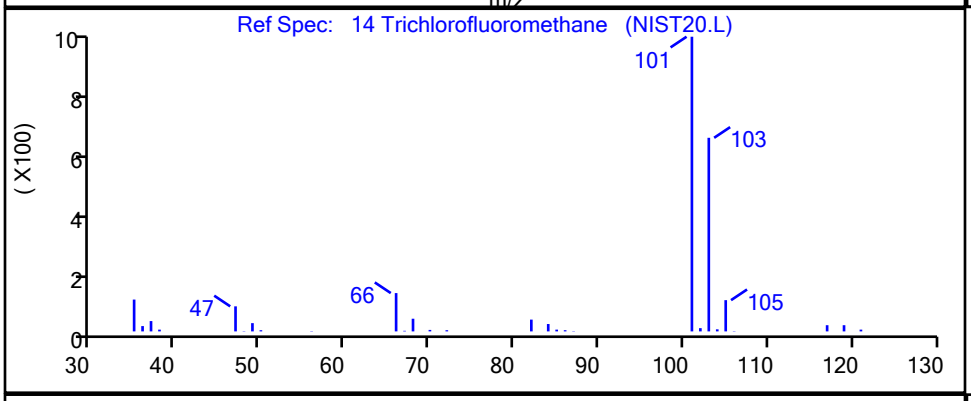
14 Trichlorofluoromethane, CAS: 75-69-4

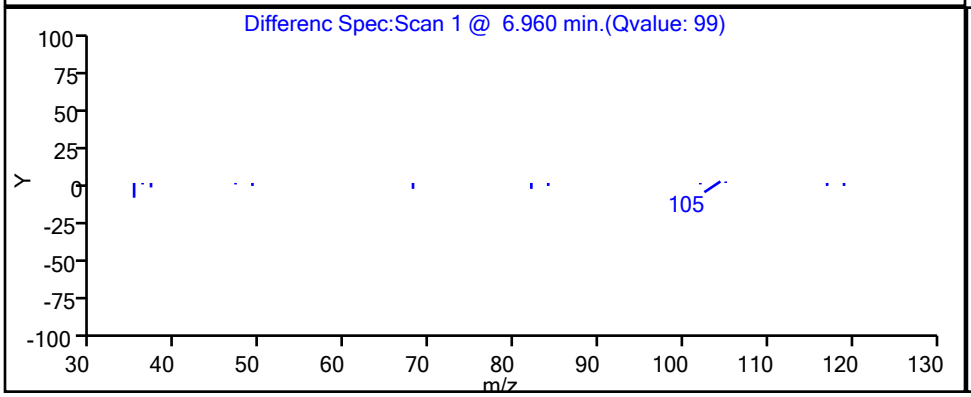


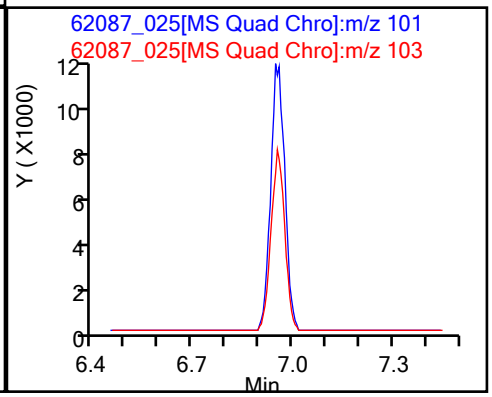












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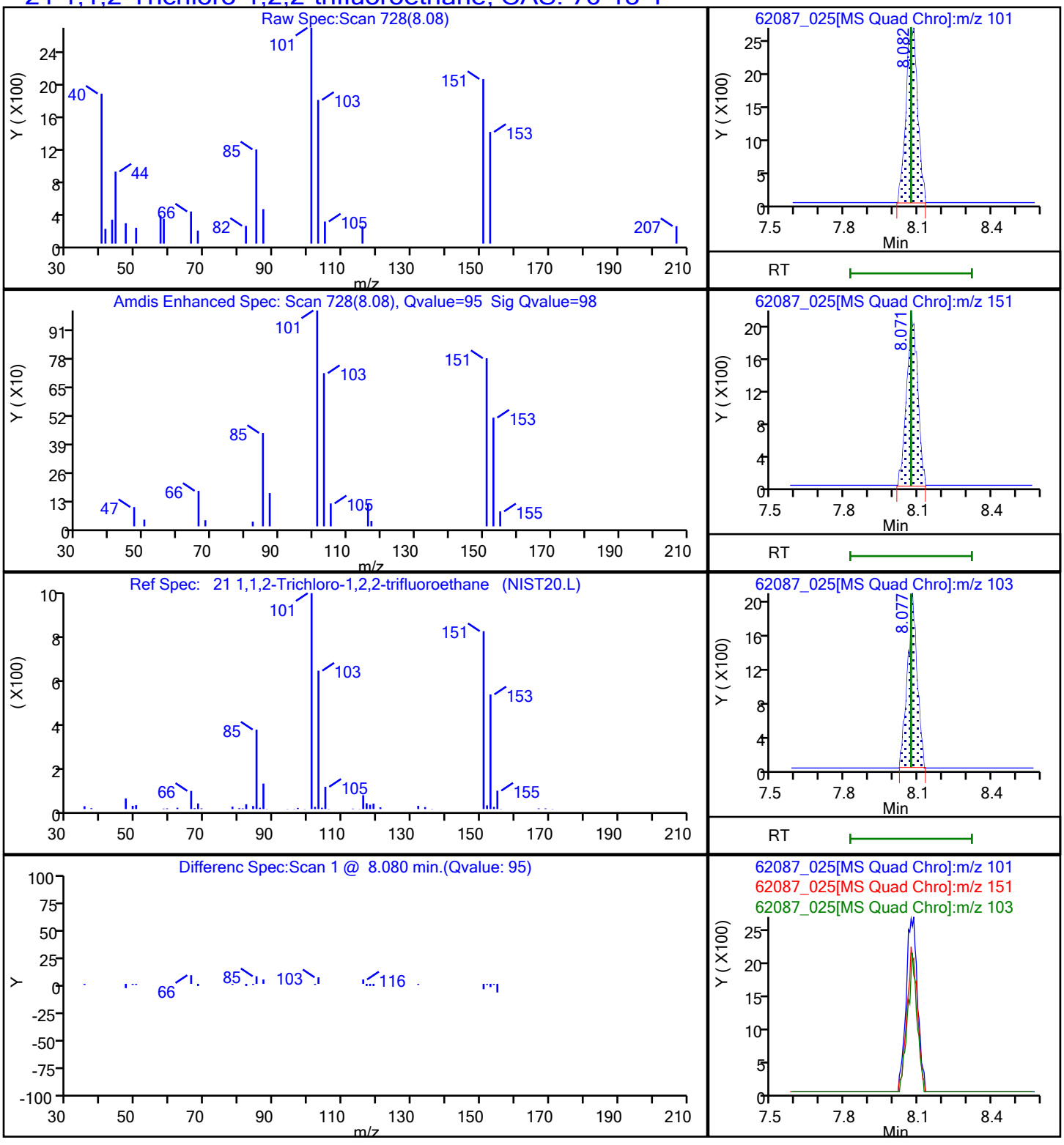
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
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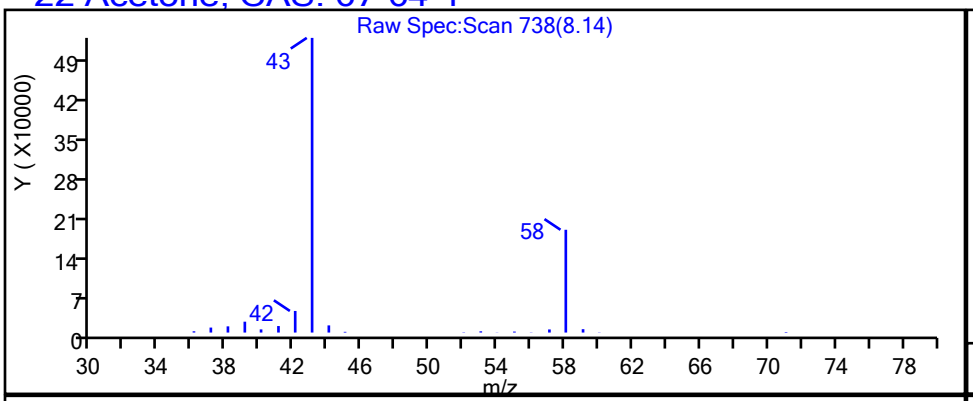
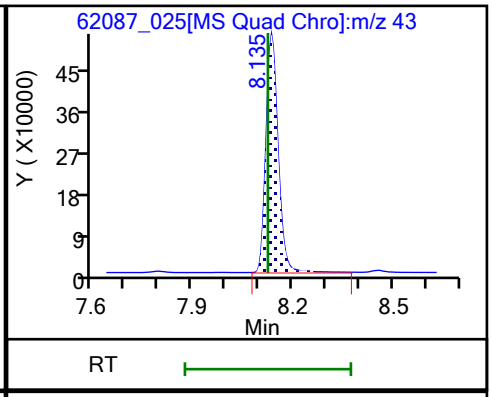
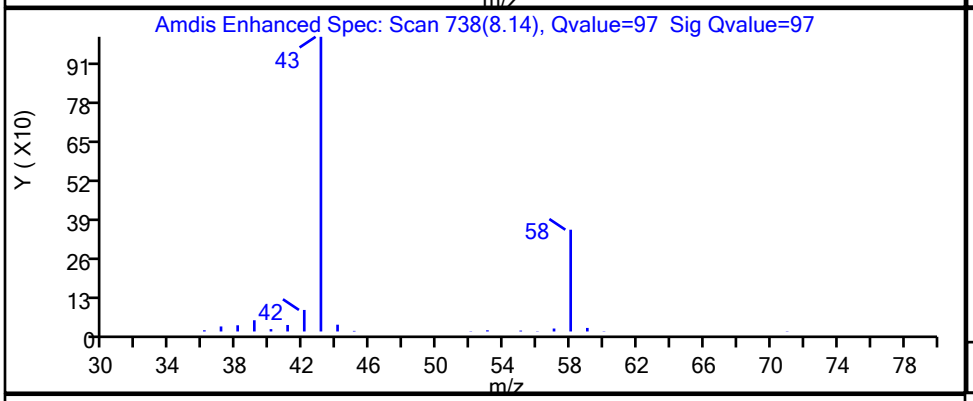
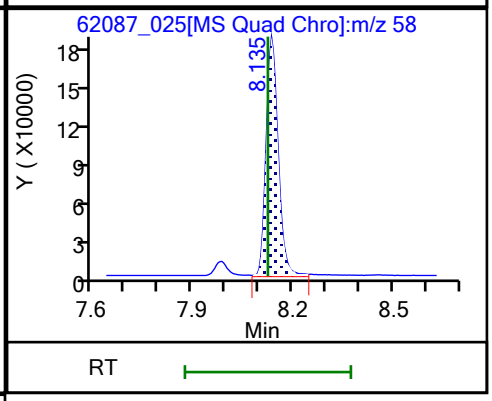
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

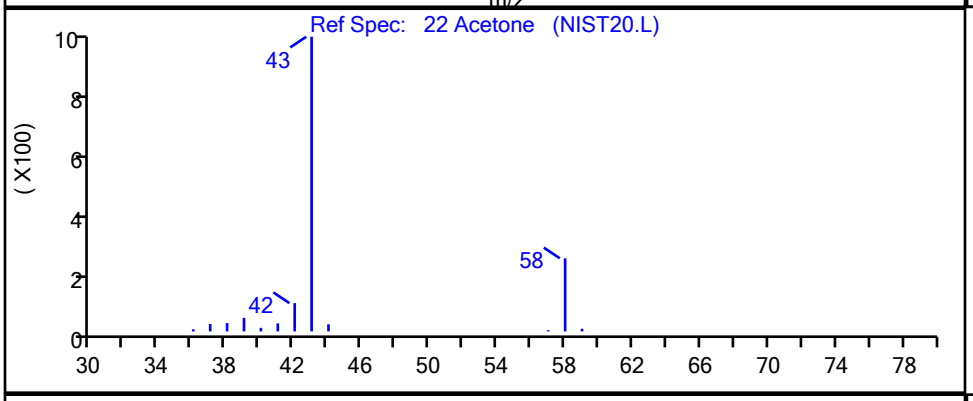
22 Acetone, CAS: 67-64-1

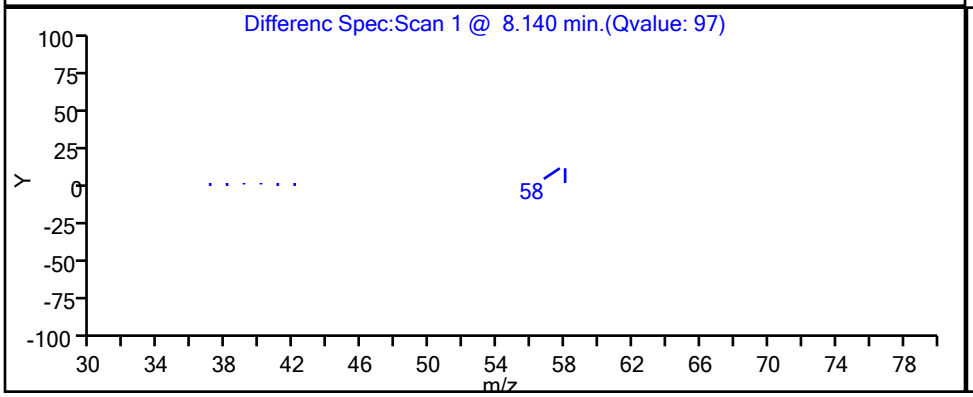


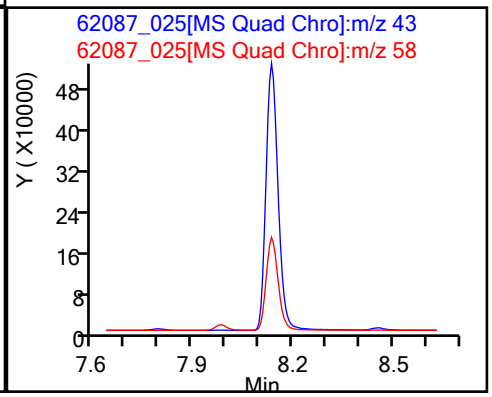












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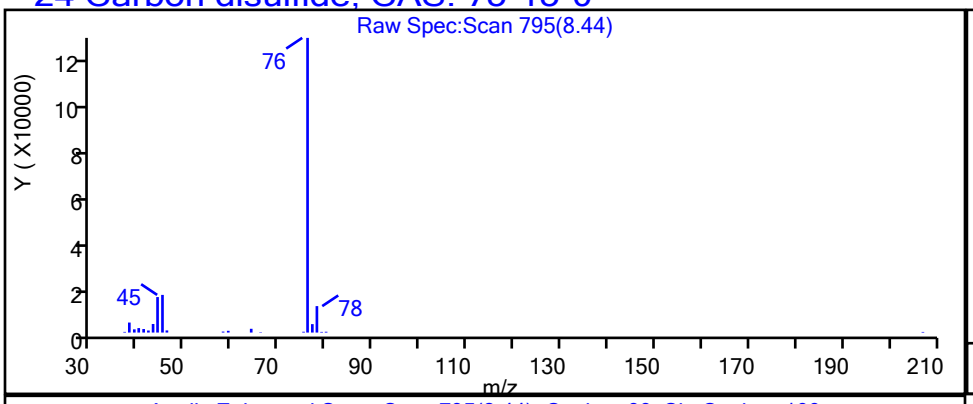
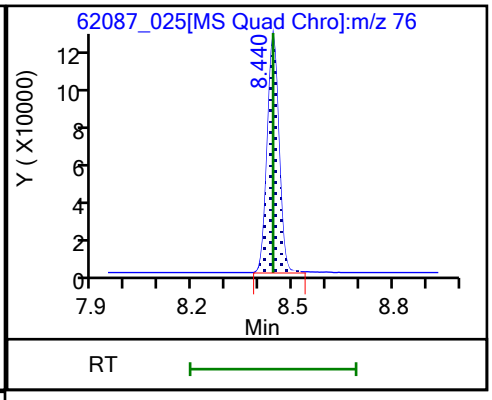
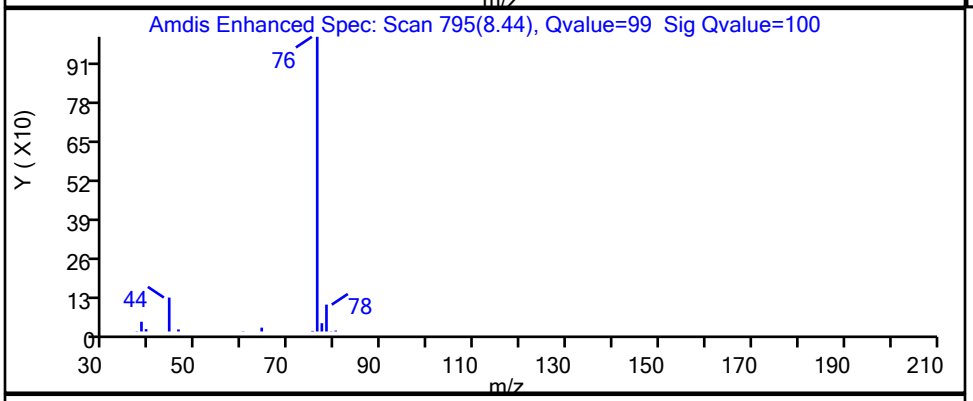
Eurofins Burlington

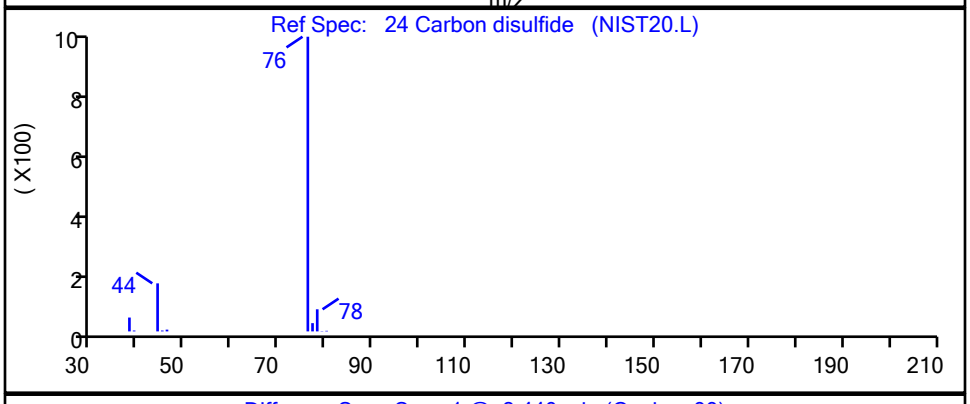
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

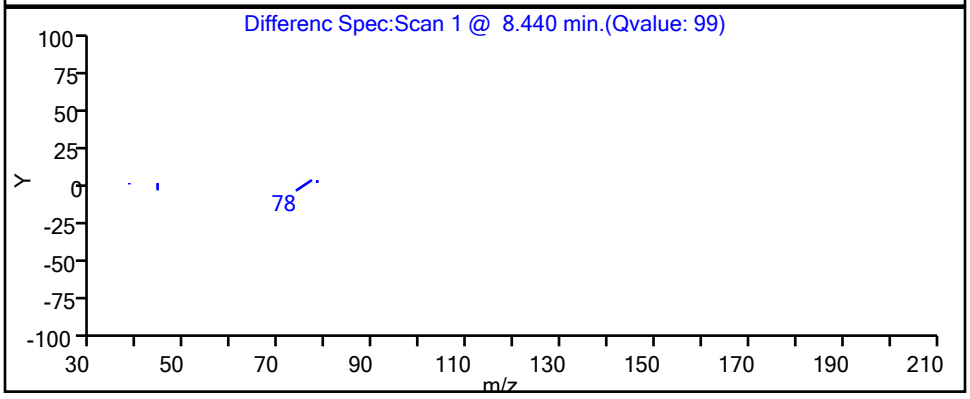
24 Carbon disulfide, CAS: 75-15-0











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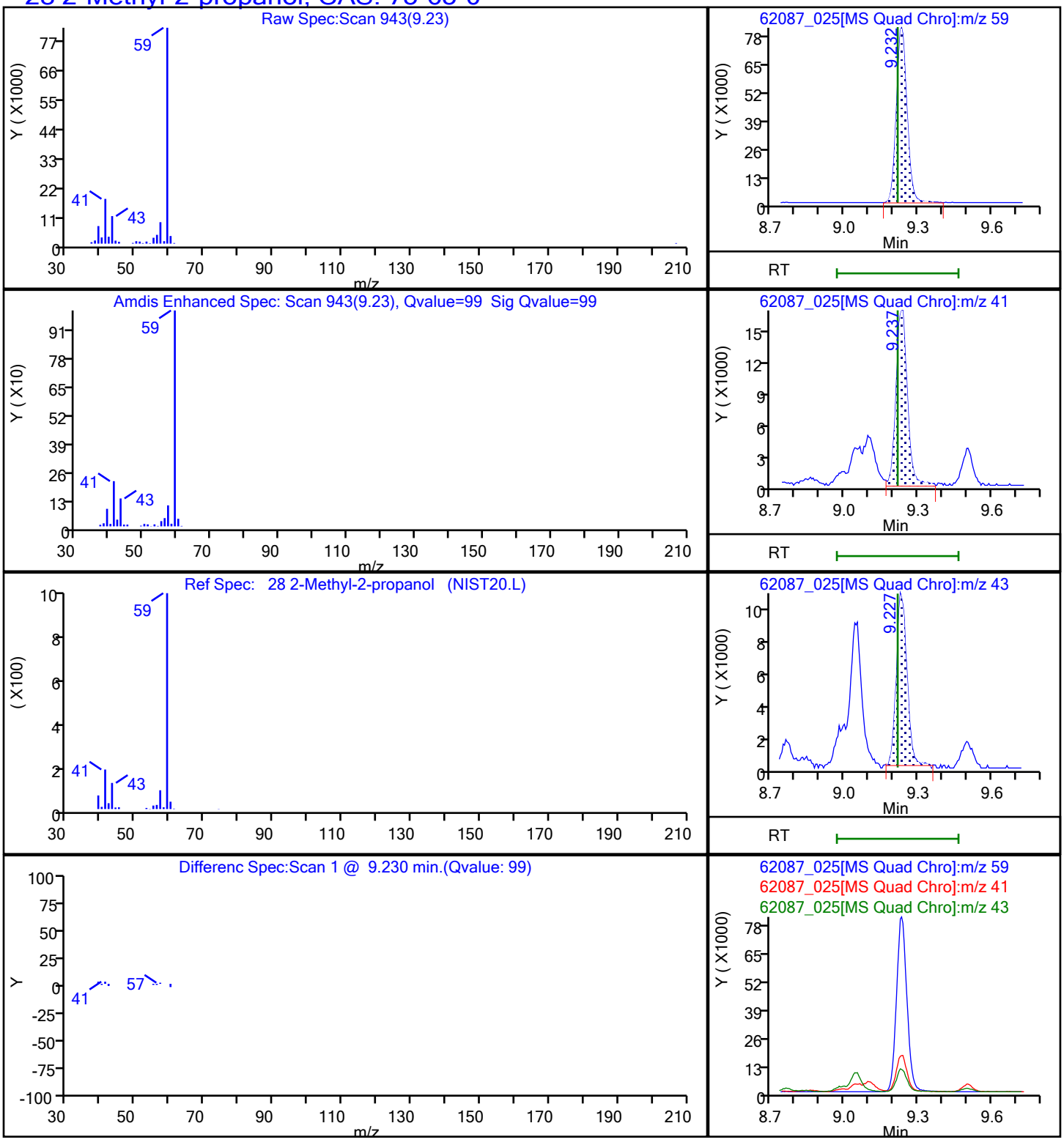
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



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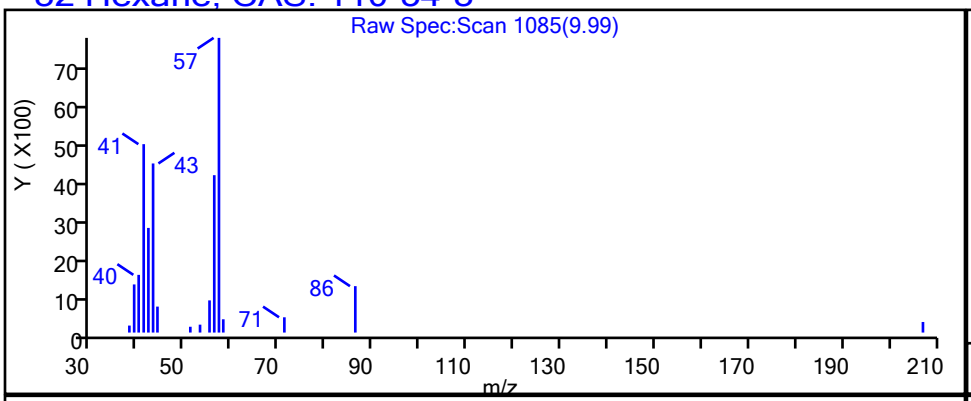
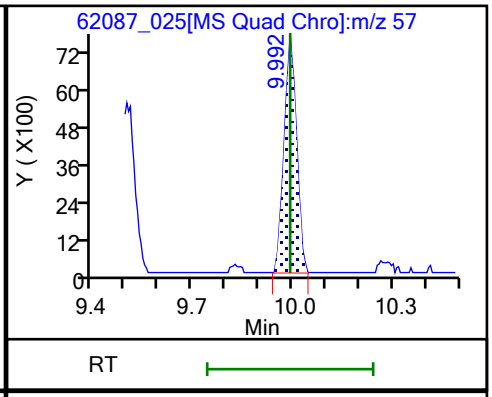
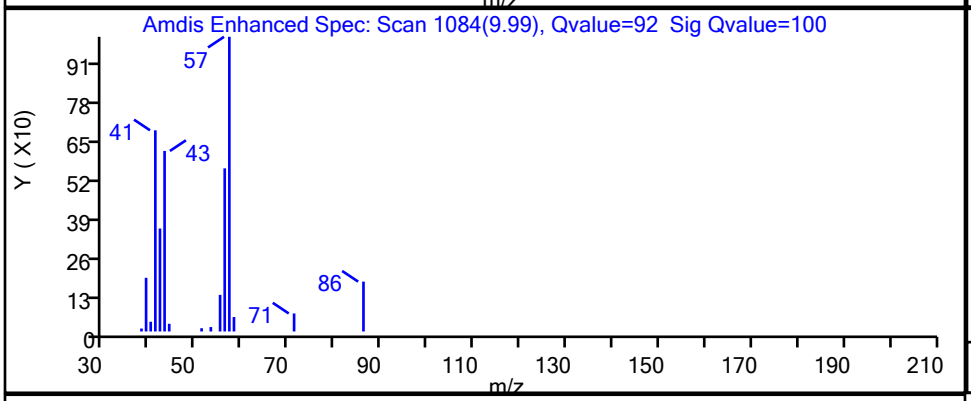
Eurofins Burlington

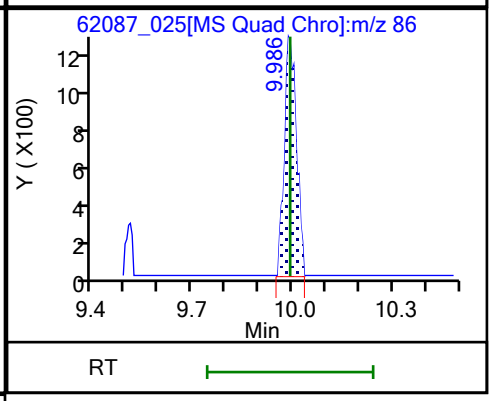
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

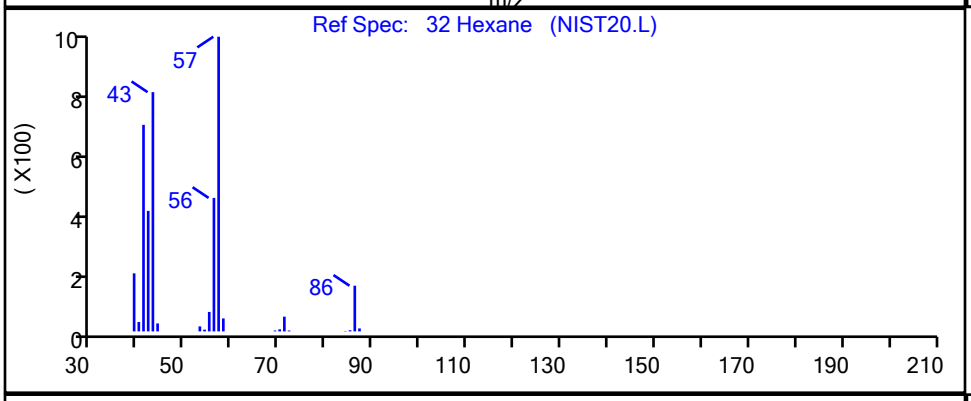
32 Hexane, CAS: 110-54-3

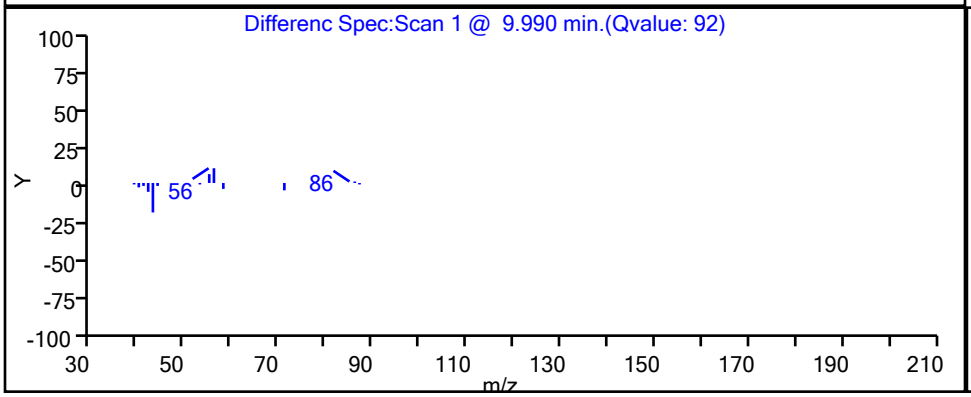


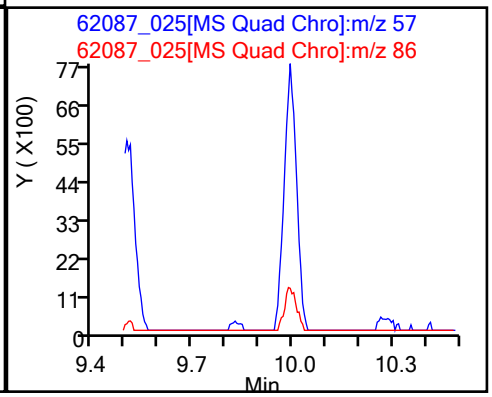












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Eurofins Burlington

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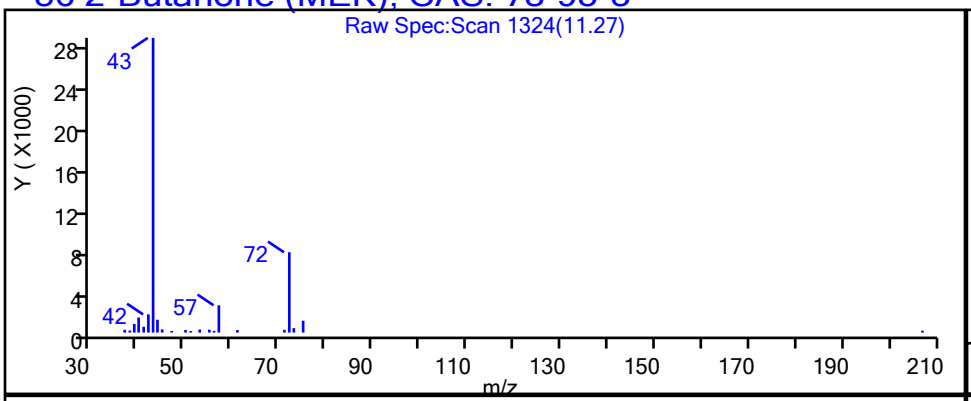
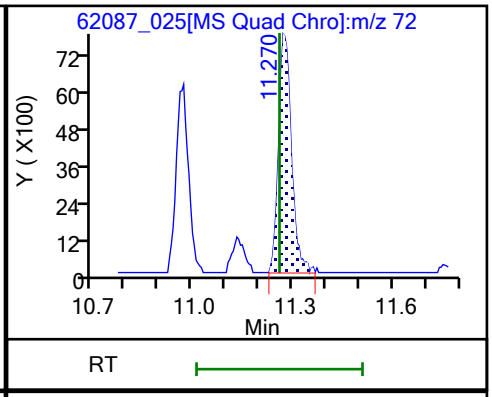
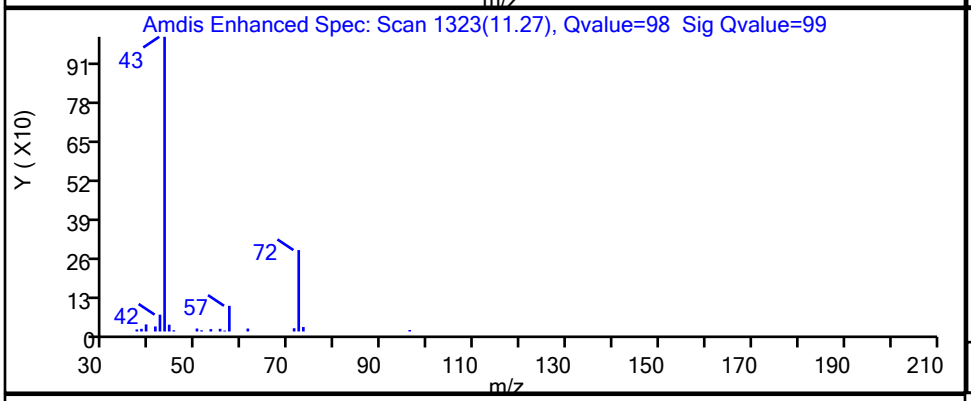
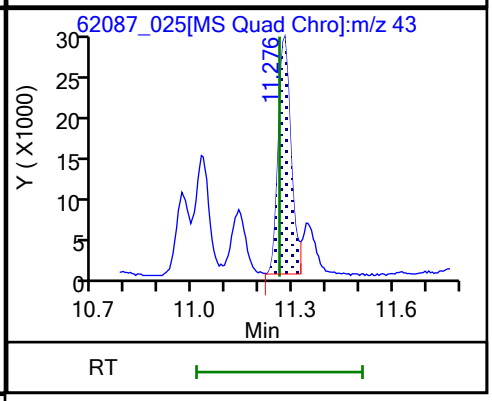
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

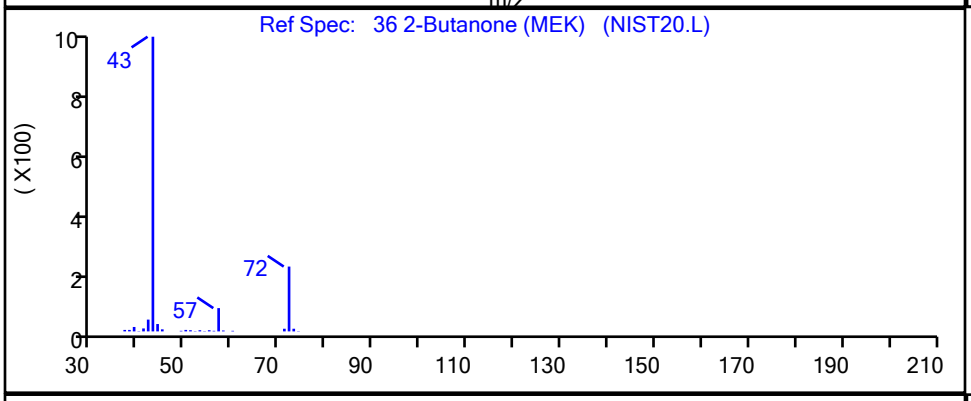
36 2-Butanone (MEK), CAS: 78-93-3

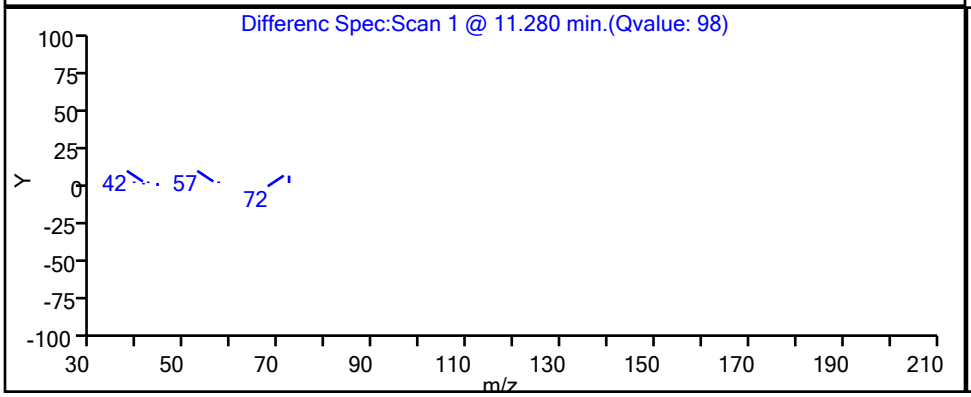


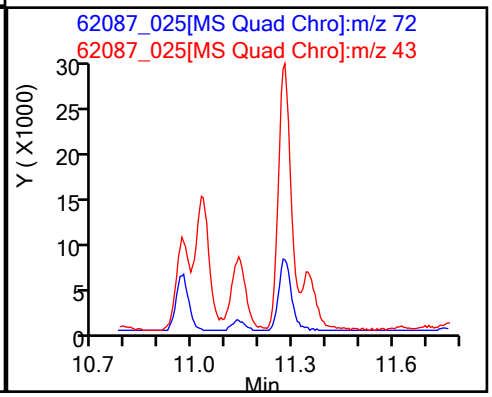












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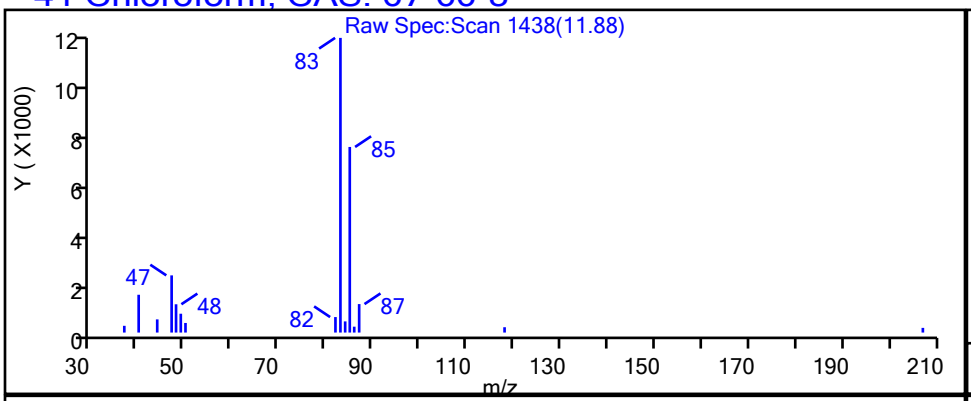
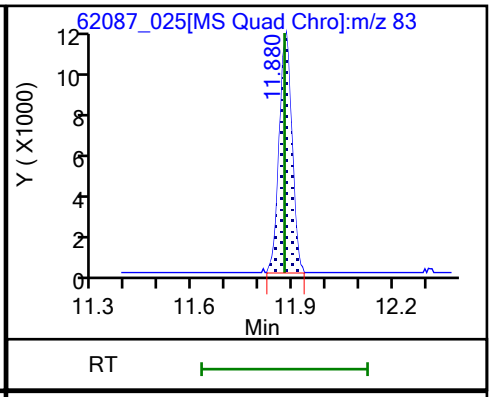
Eurofins Burlington

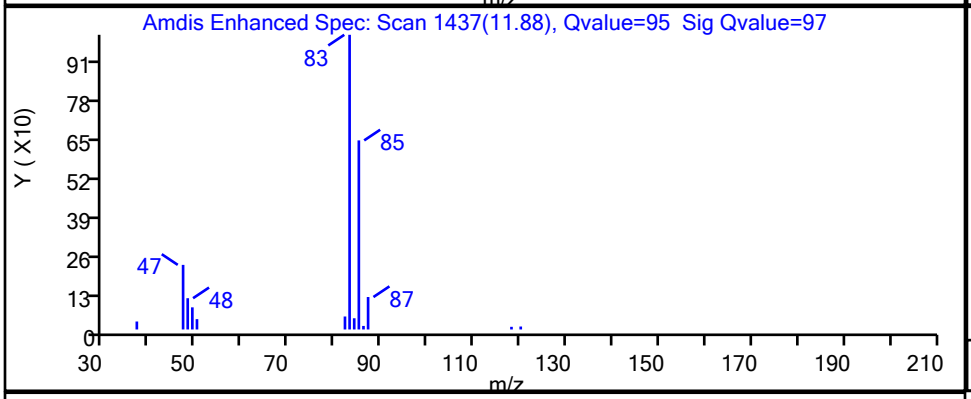
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

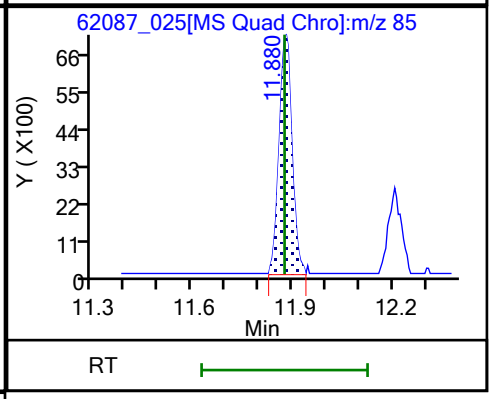
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

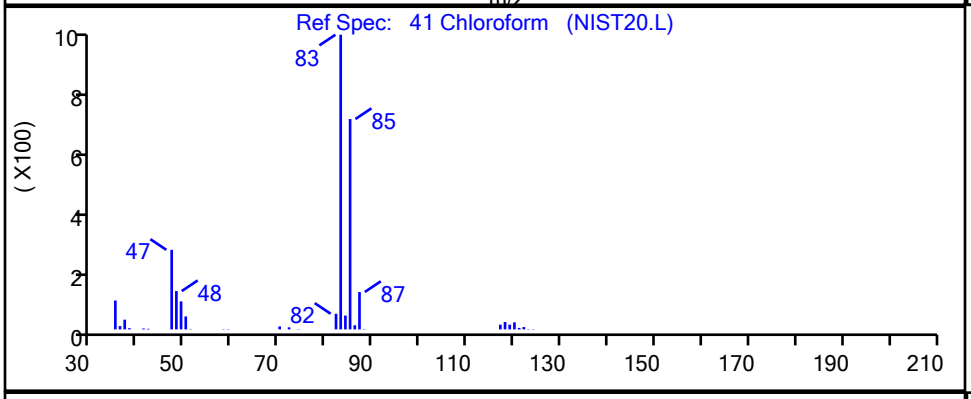
41 Chloroform, CAS: 67-66-3

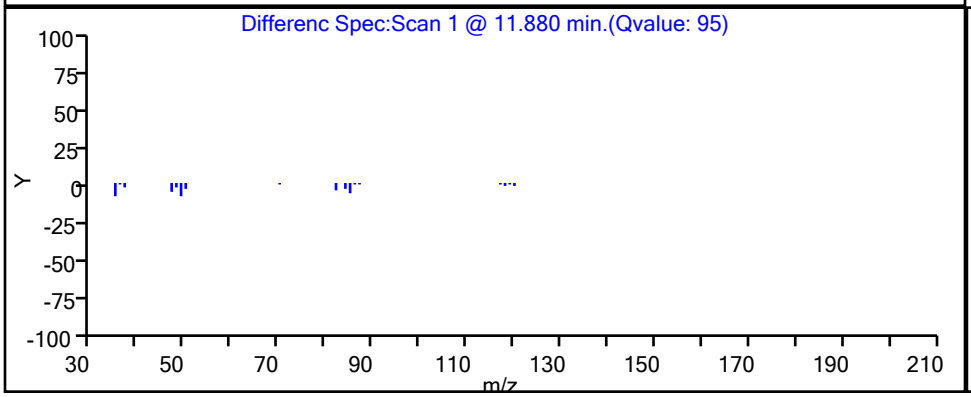


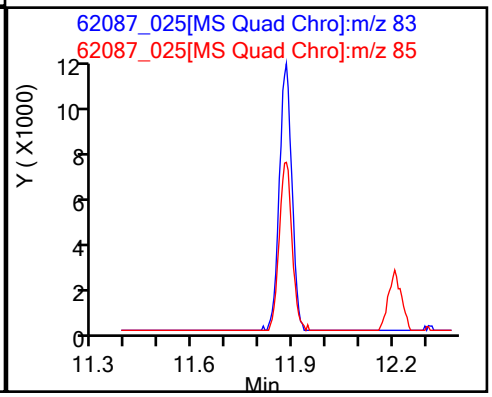












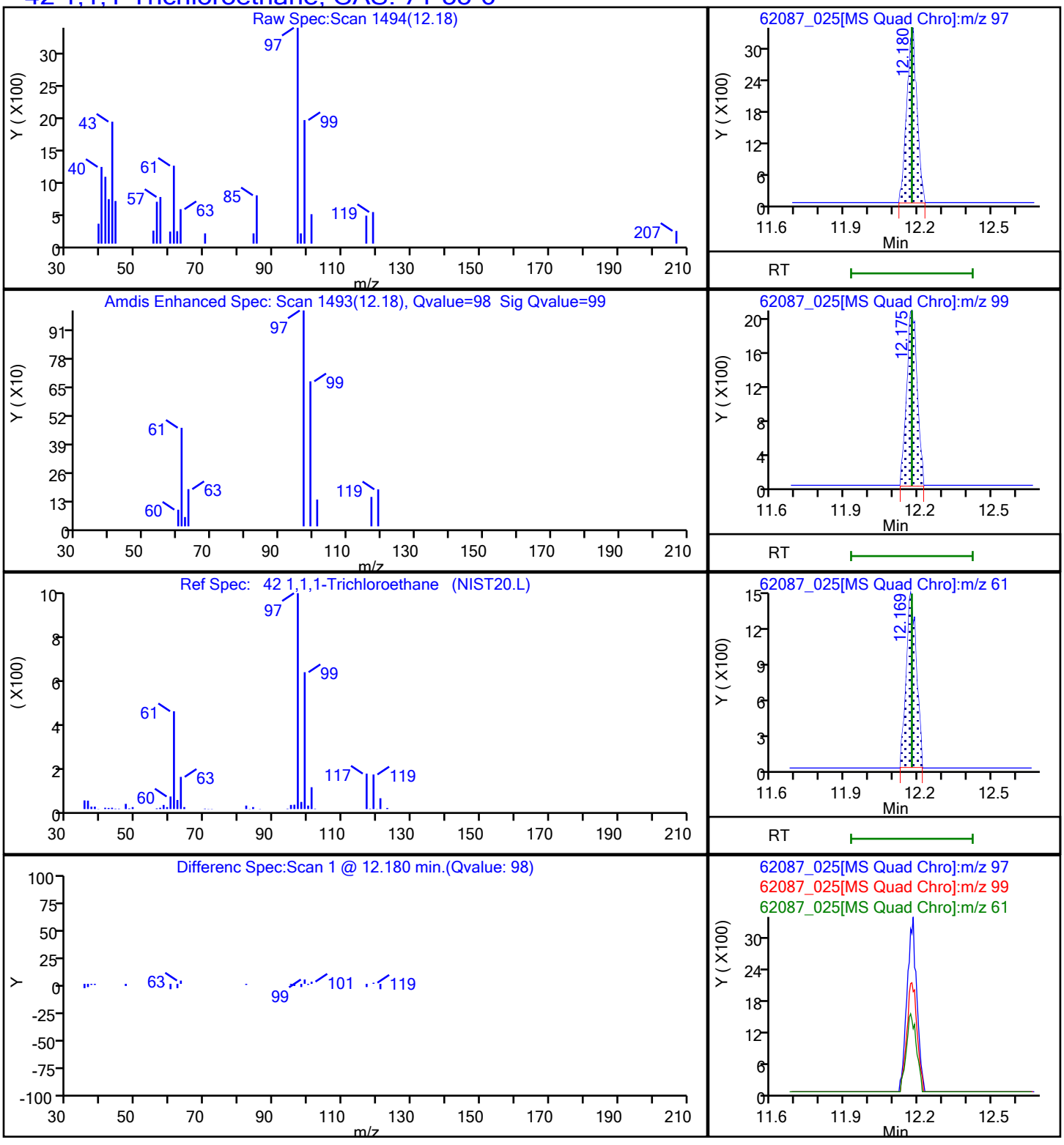
Report Date: 18-Sep-2024 16:07:37 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 1,1,1-Trichloroethane, CAS: 71-55-6



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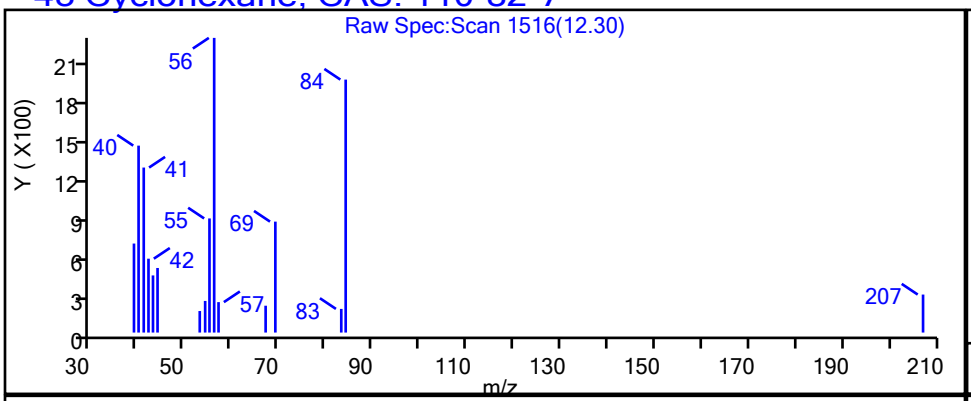
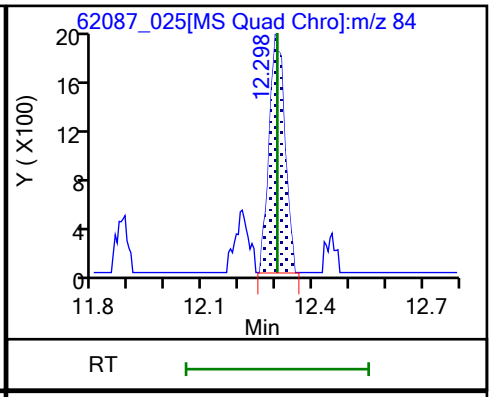
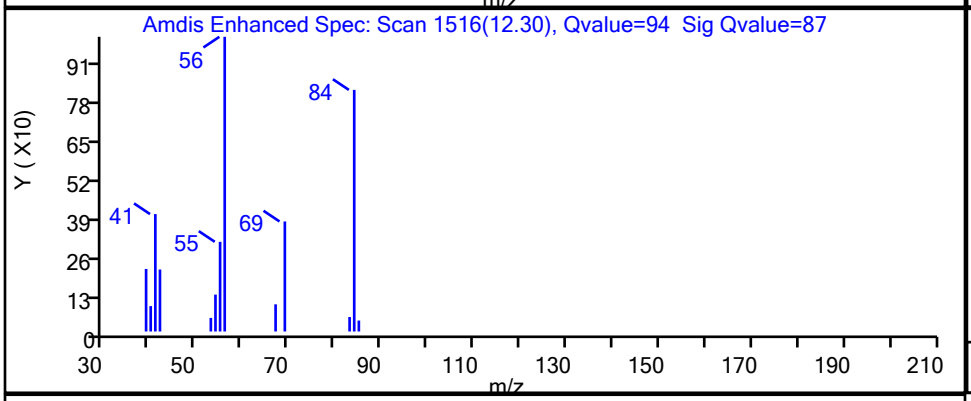
Eurofins Burlington

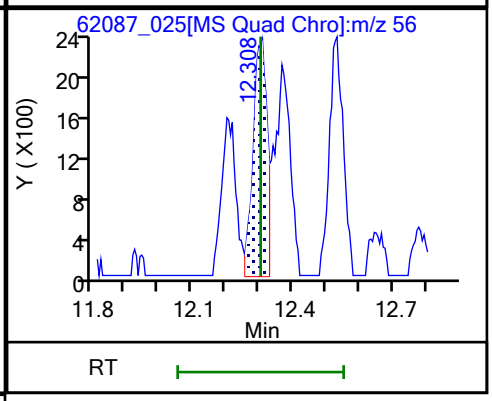
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

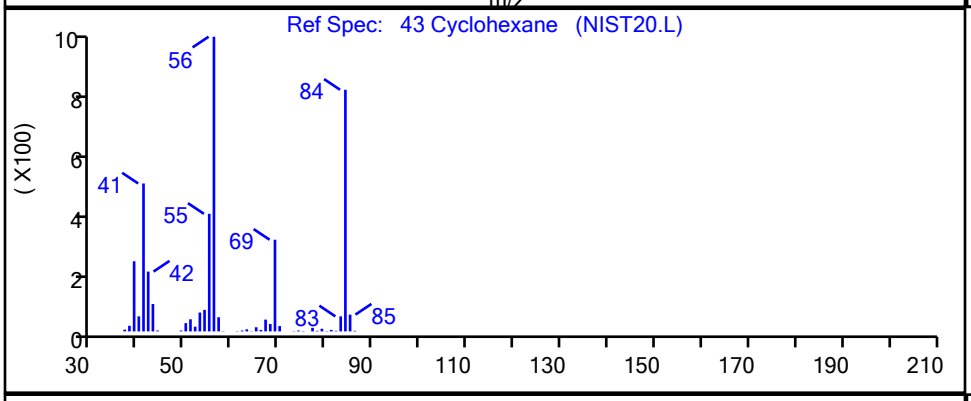
43 Cyclohexane, CAS: 110-82-7

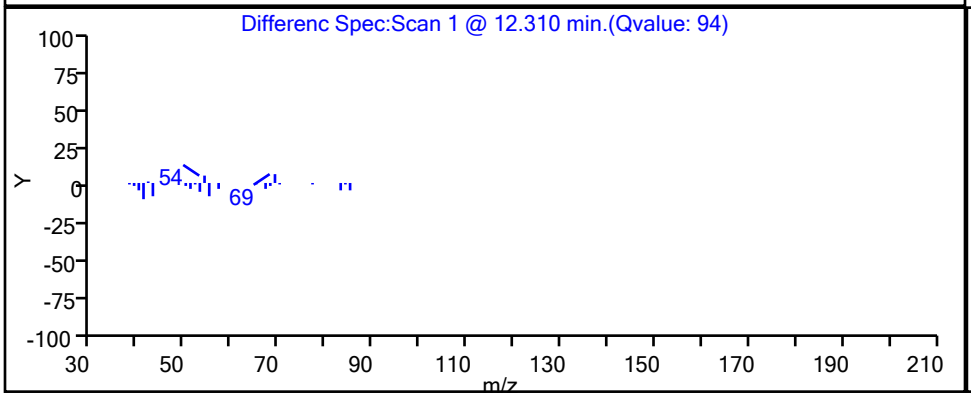


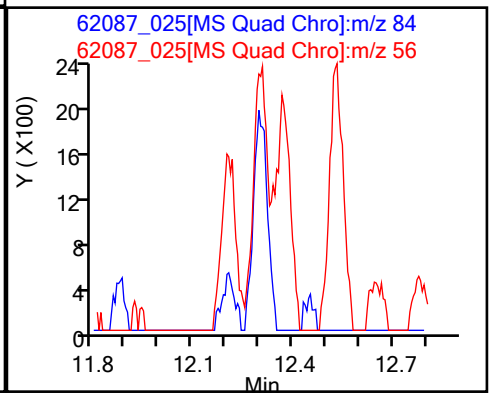












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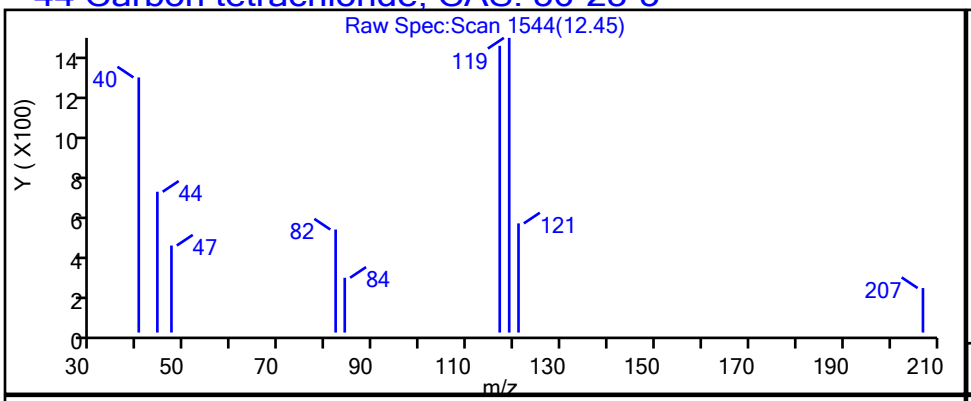
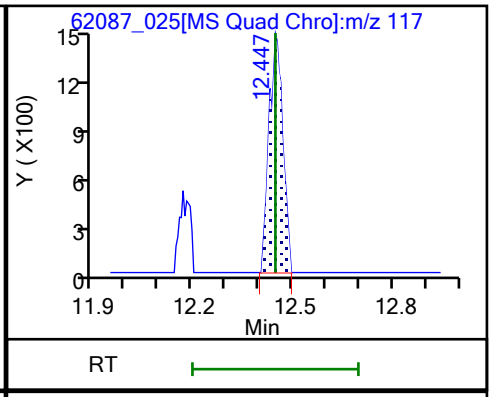
Eurofins Burlington

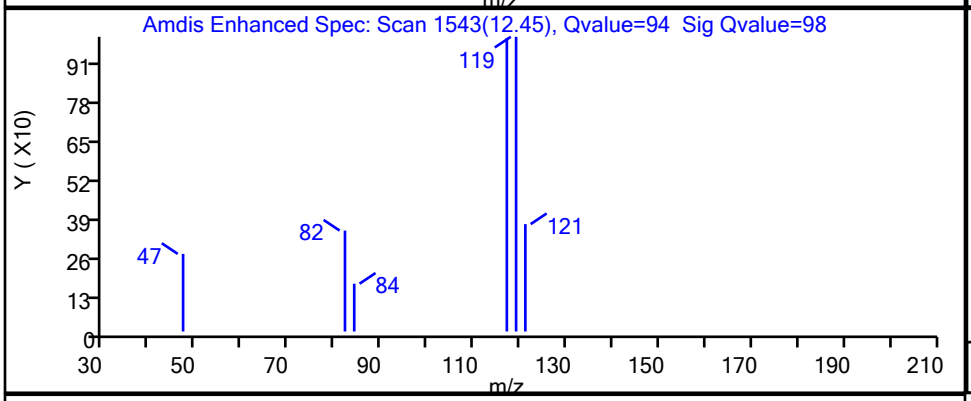
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

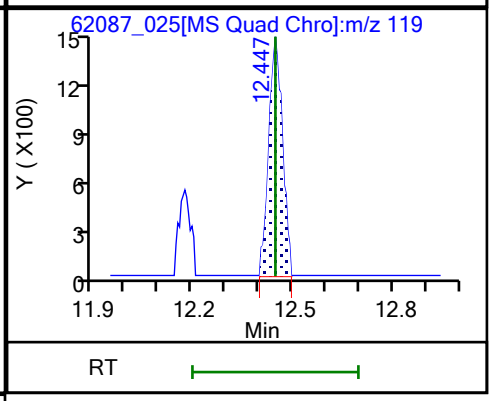
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

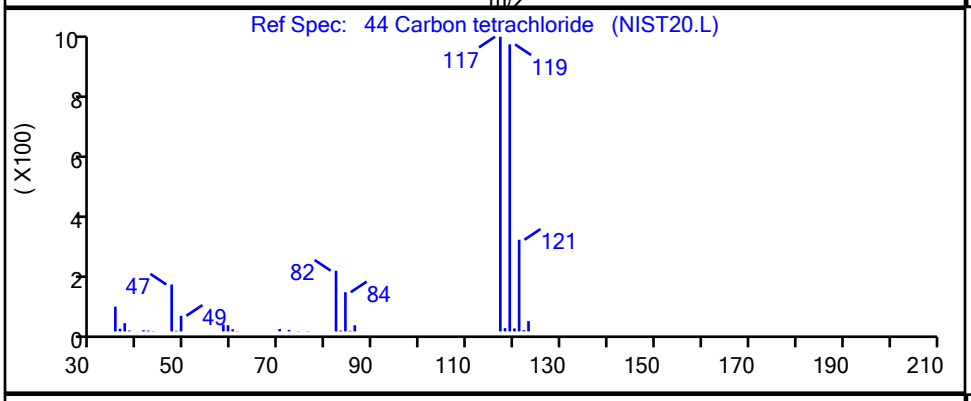
44 Carbon tetrachloride, CAS: 56-23-5

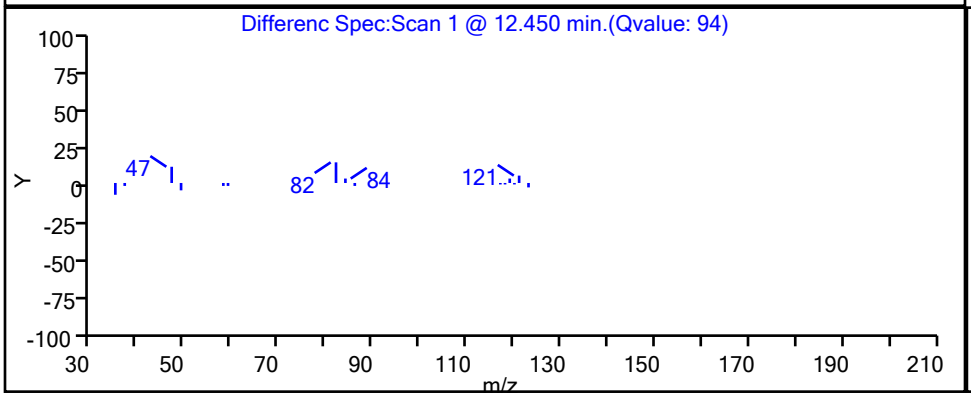


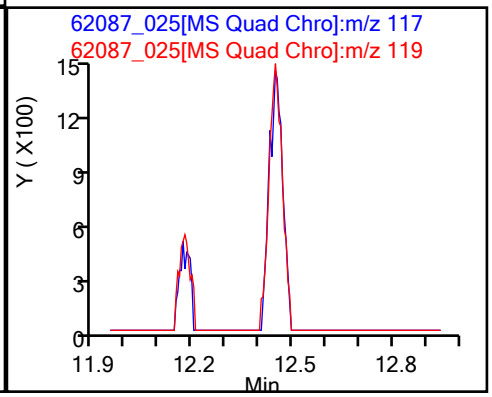












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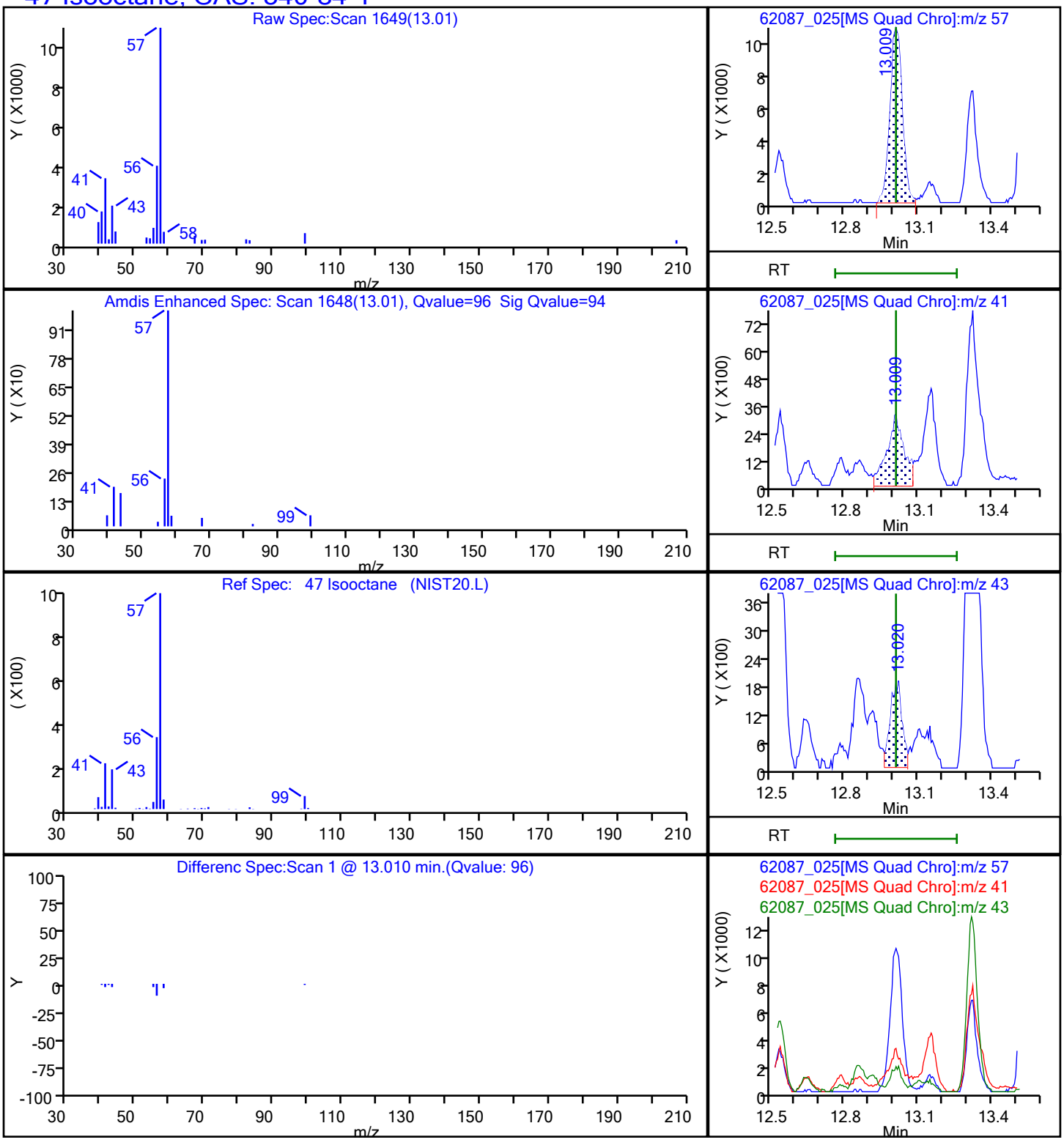
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1



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Eurofins Burlington

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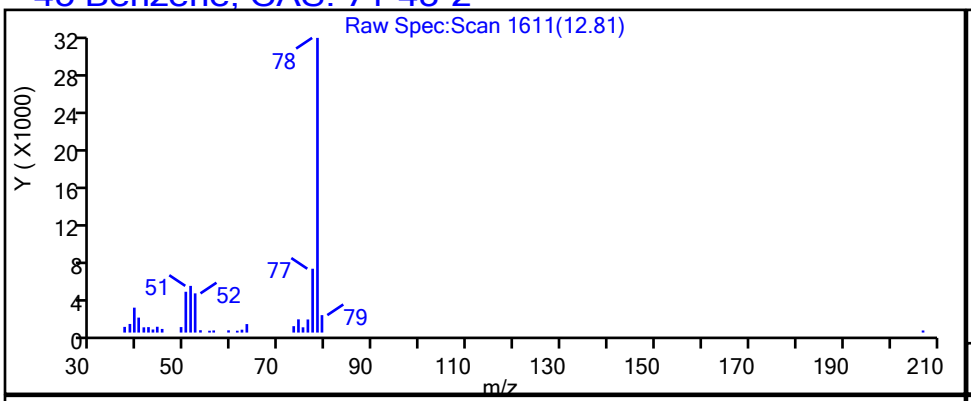
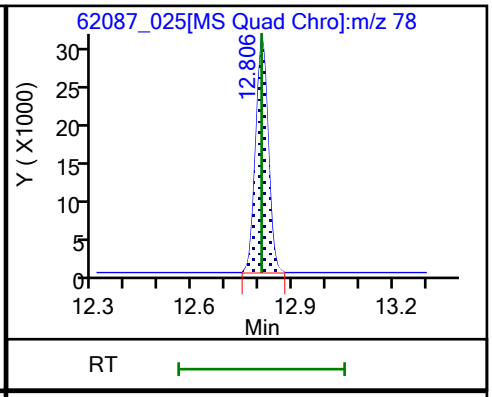
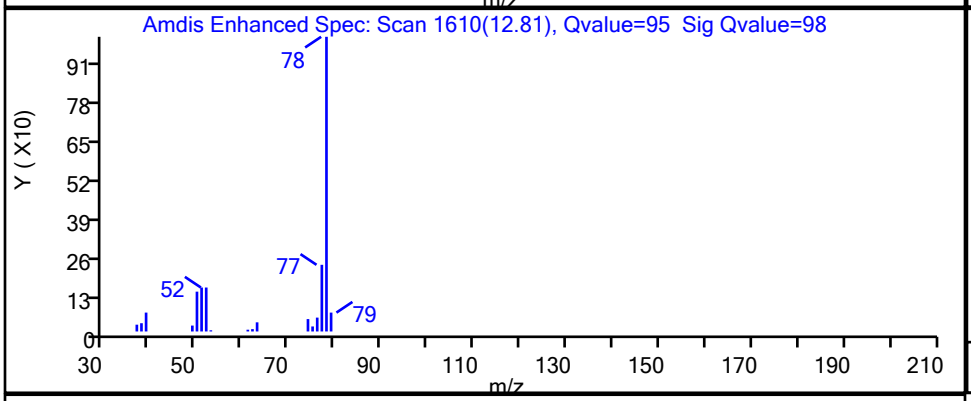
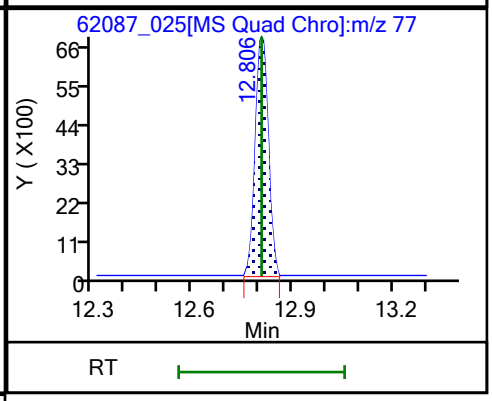
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

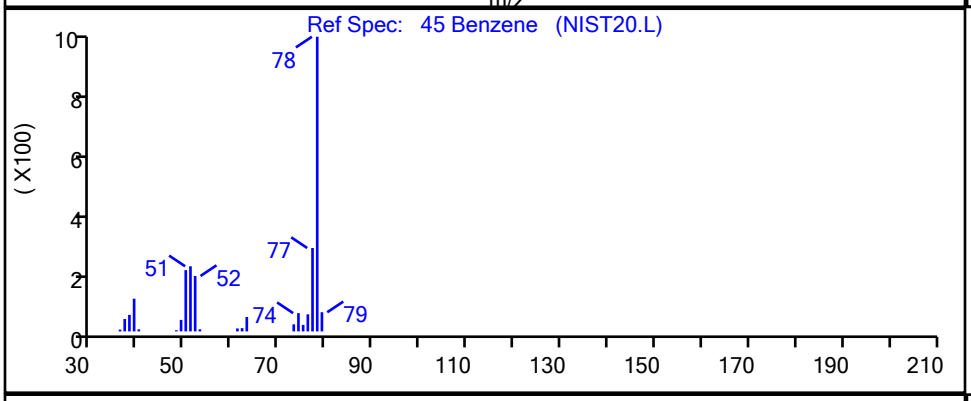
45 Benzene, CAS: 71-43-2

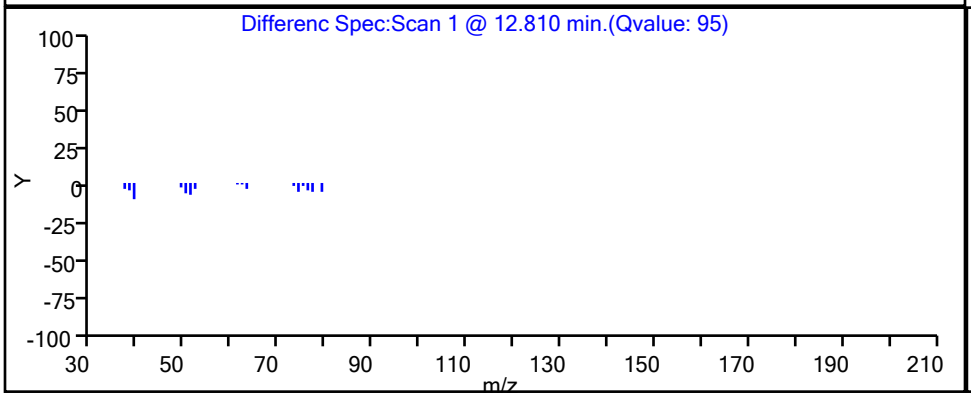


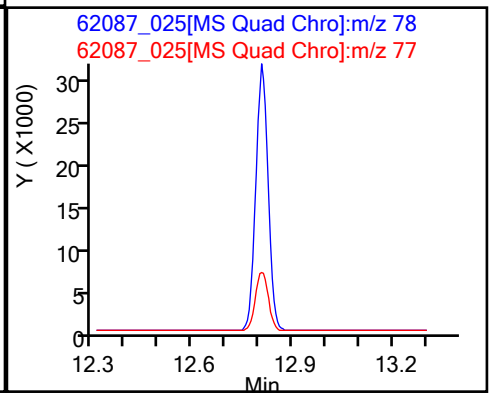












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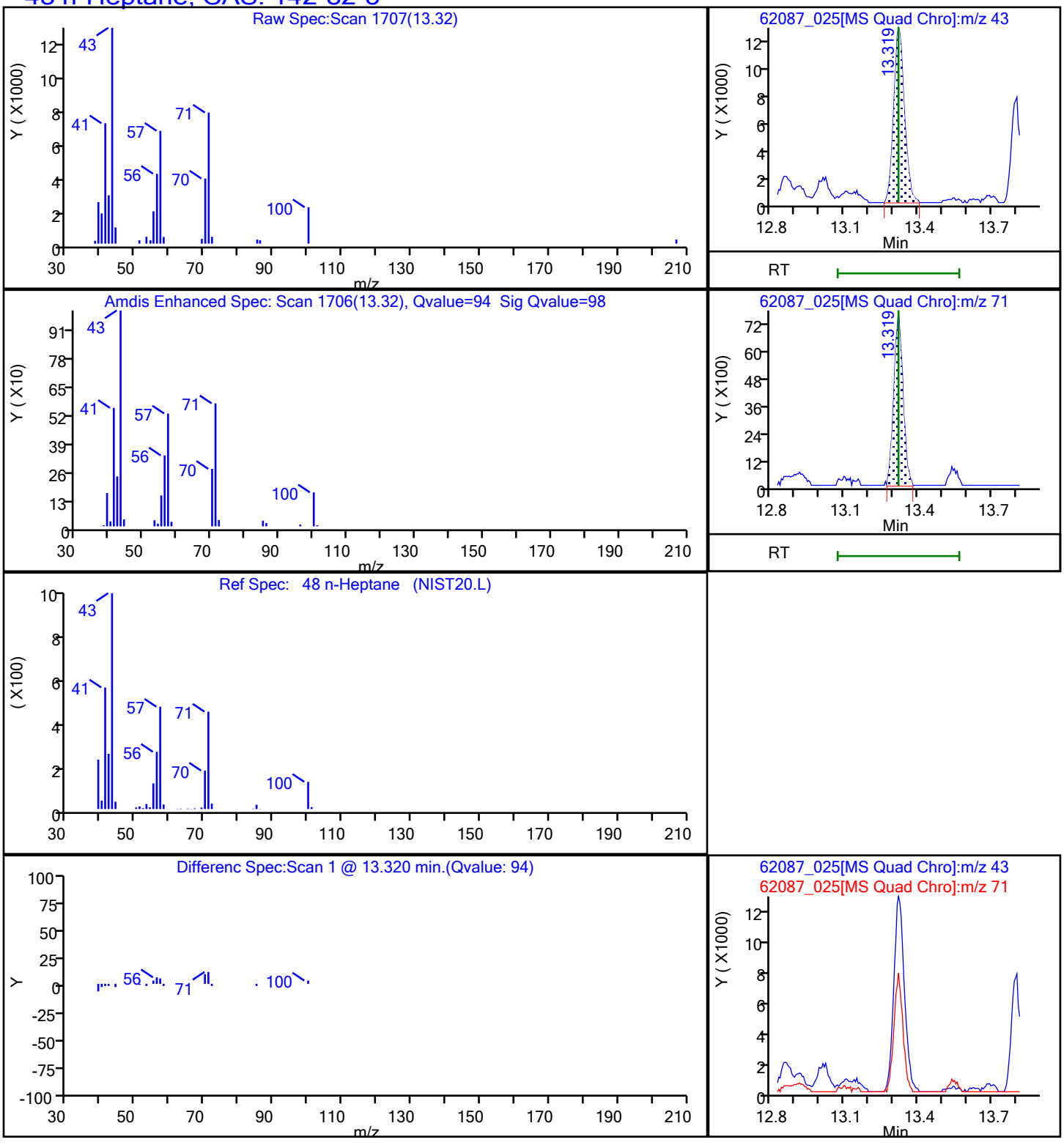
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5



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Eurofins Burlington

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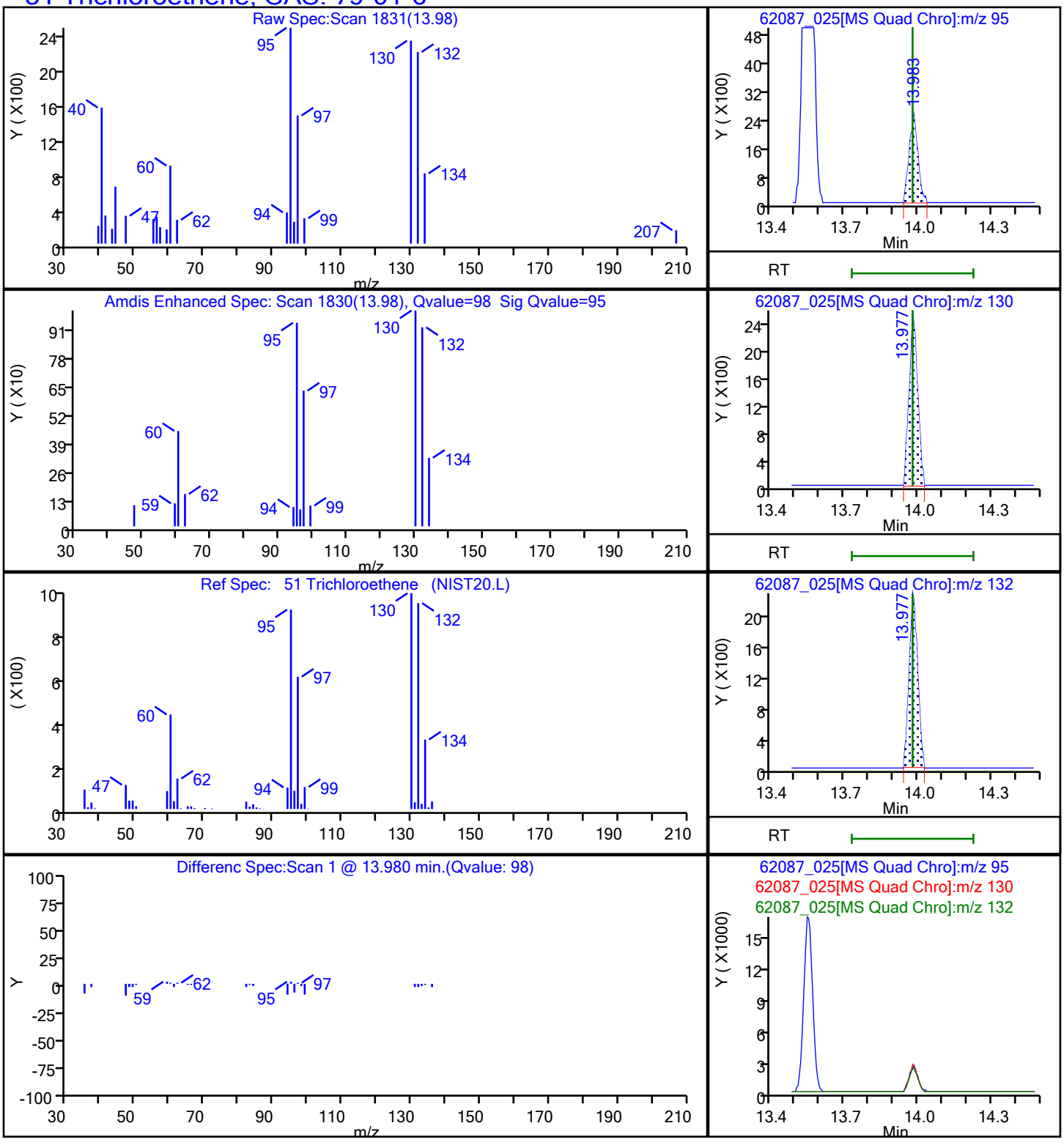
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Trichloroethene, CAS: 79-01-6



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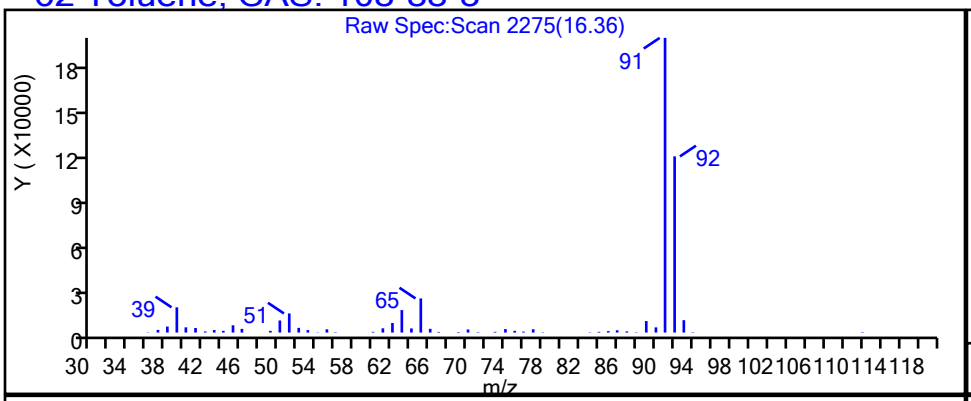
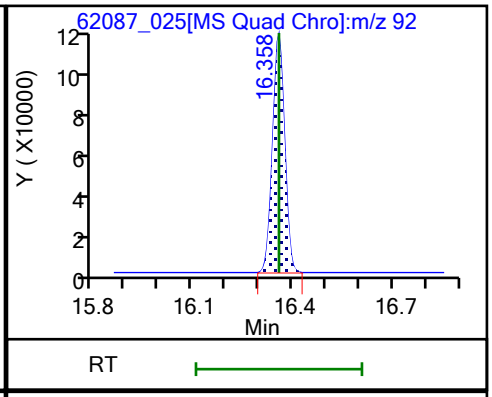
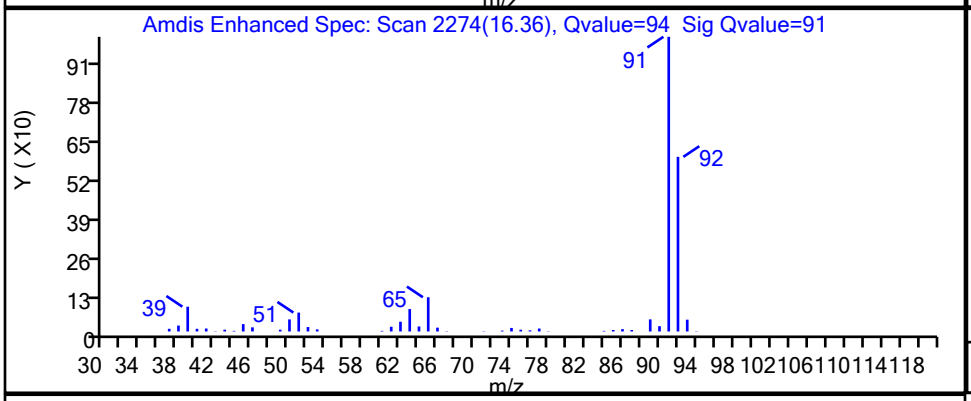
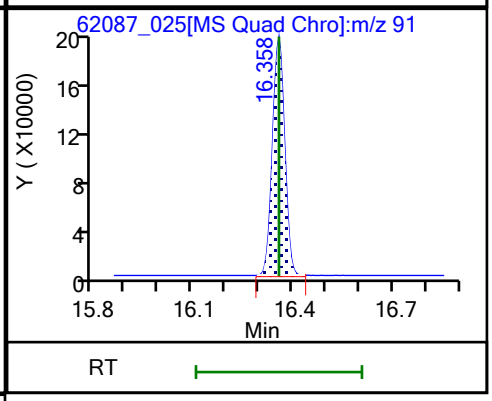
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

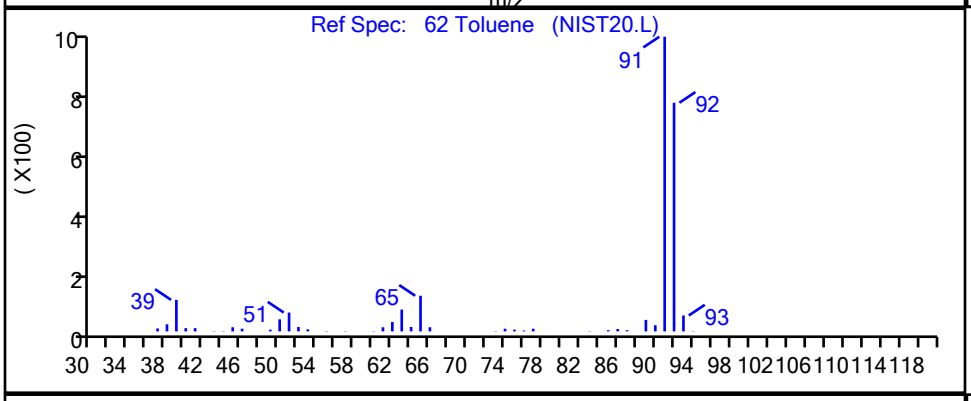
62 Toluene, CAS: 108-88-3

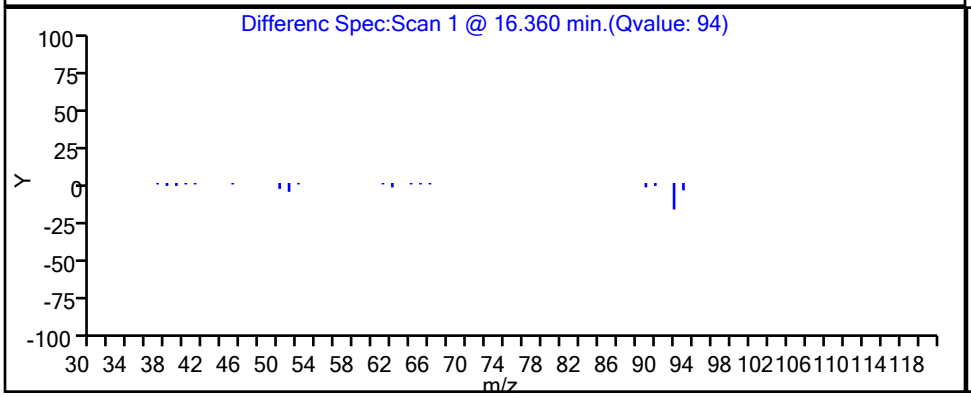


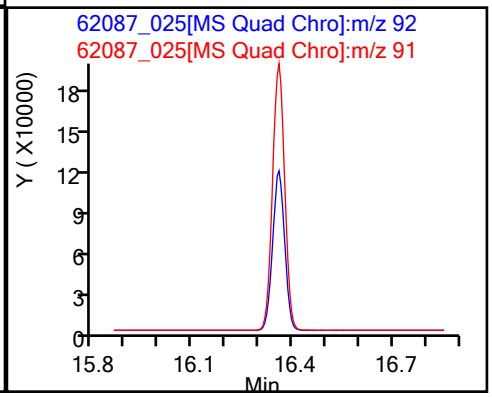












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Eurofins Burlington

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Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
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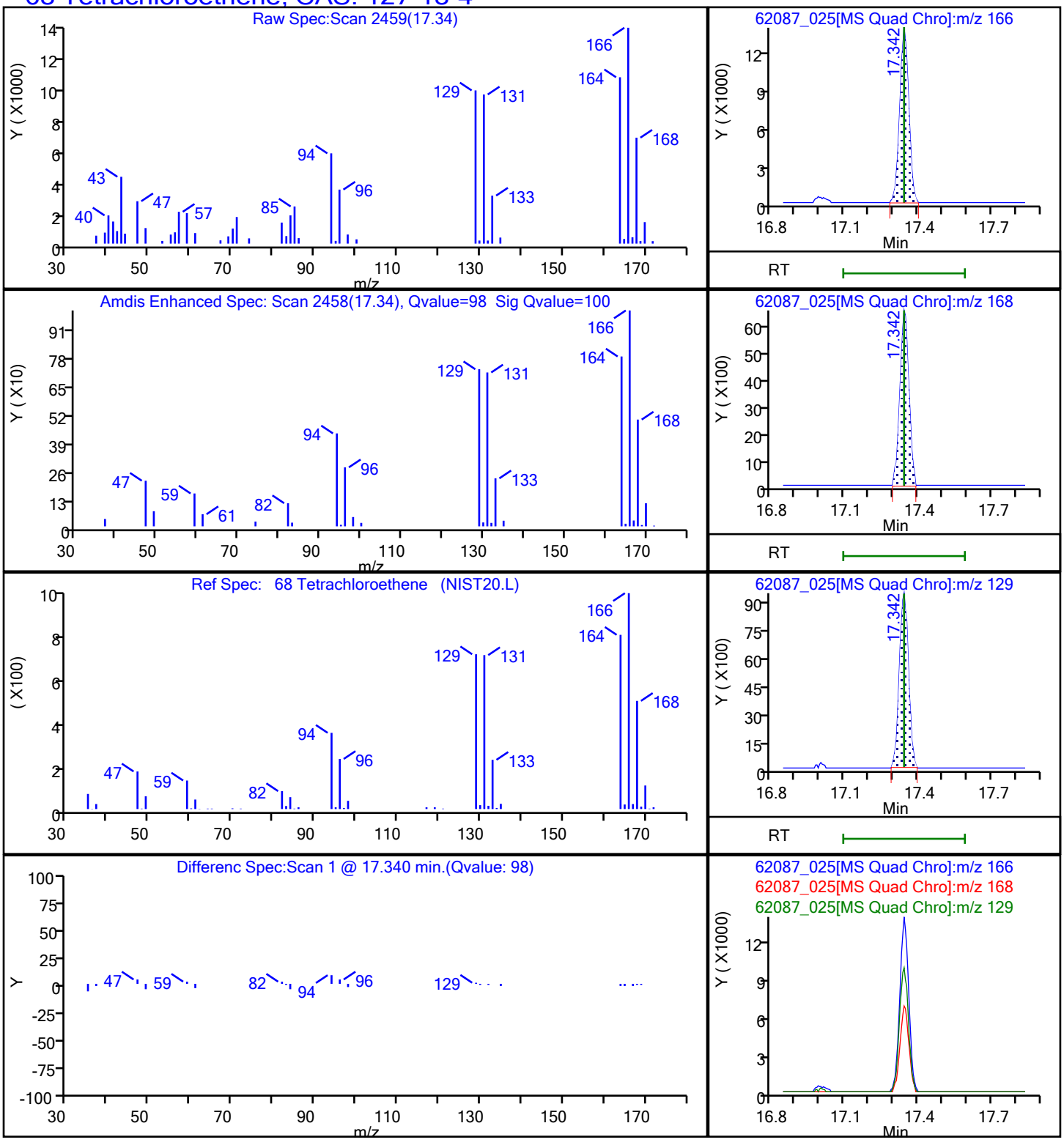
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4



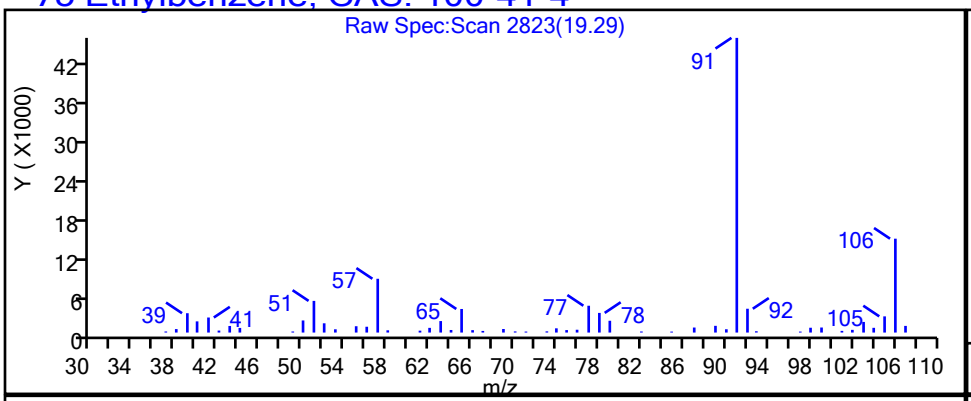
Report Date: 18-Sep-2024 16:07:37 Chrom Revision: 2.3 26-Aug-2024 17:14:48

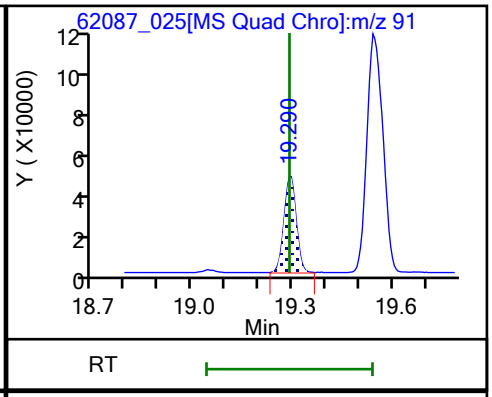
Eurofins Burlington

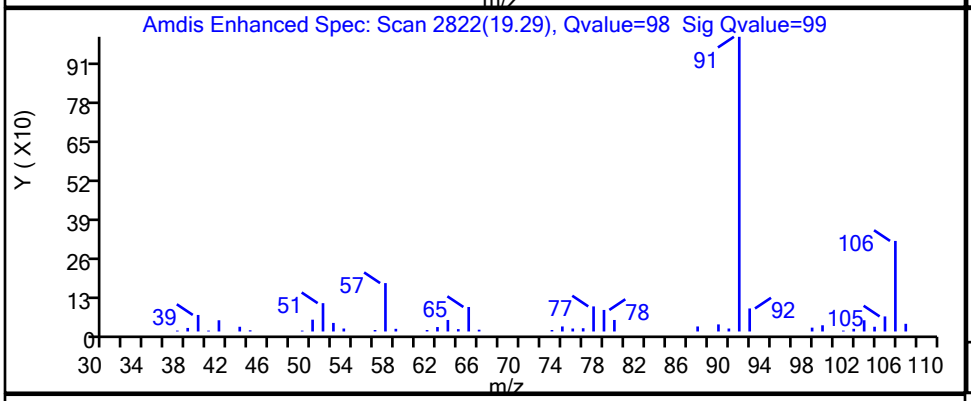
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D

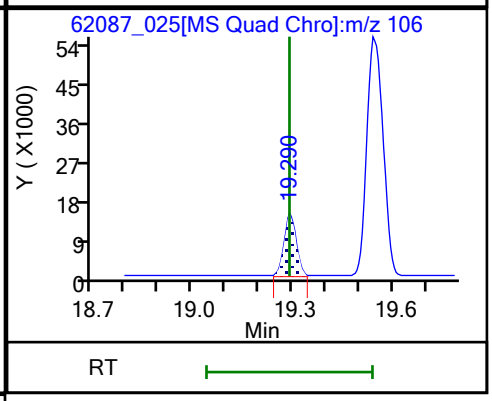
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

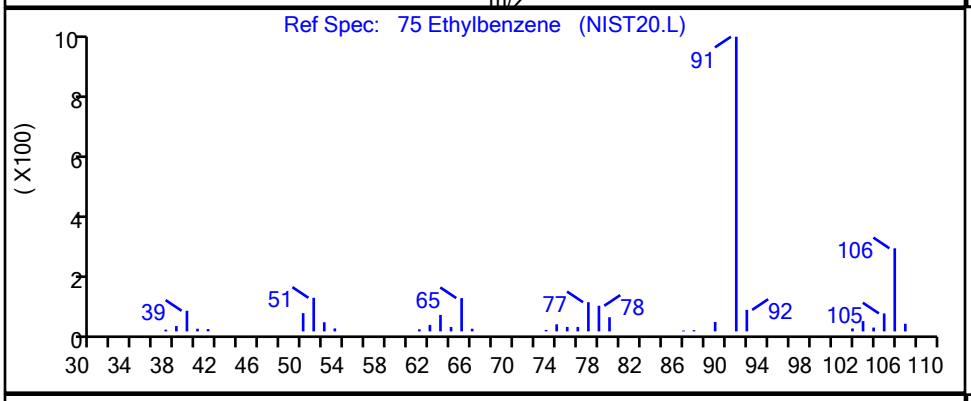
75 Ethylbenzene, CAS: 100-41-4

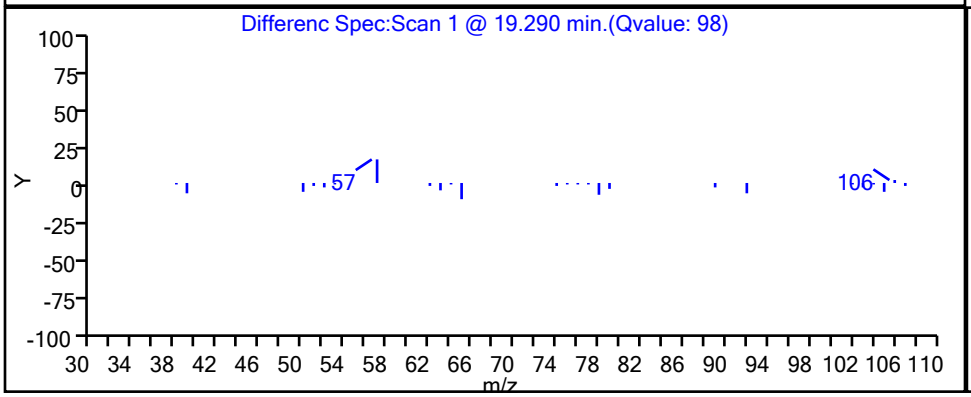


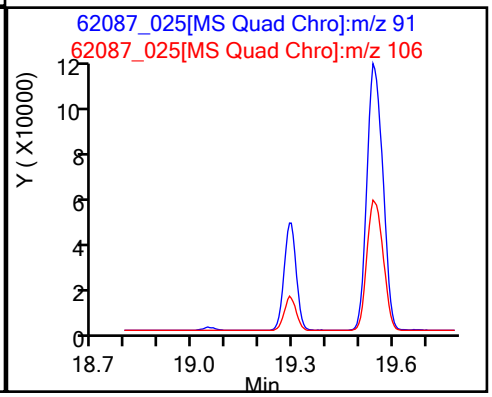












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Eurofins Burlington

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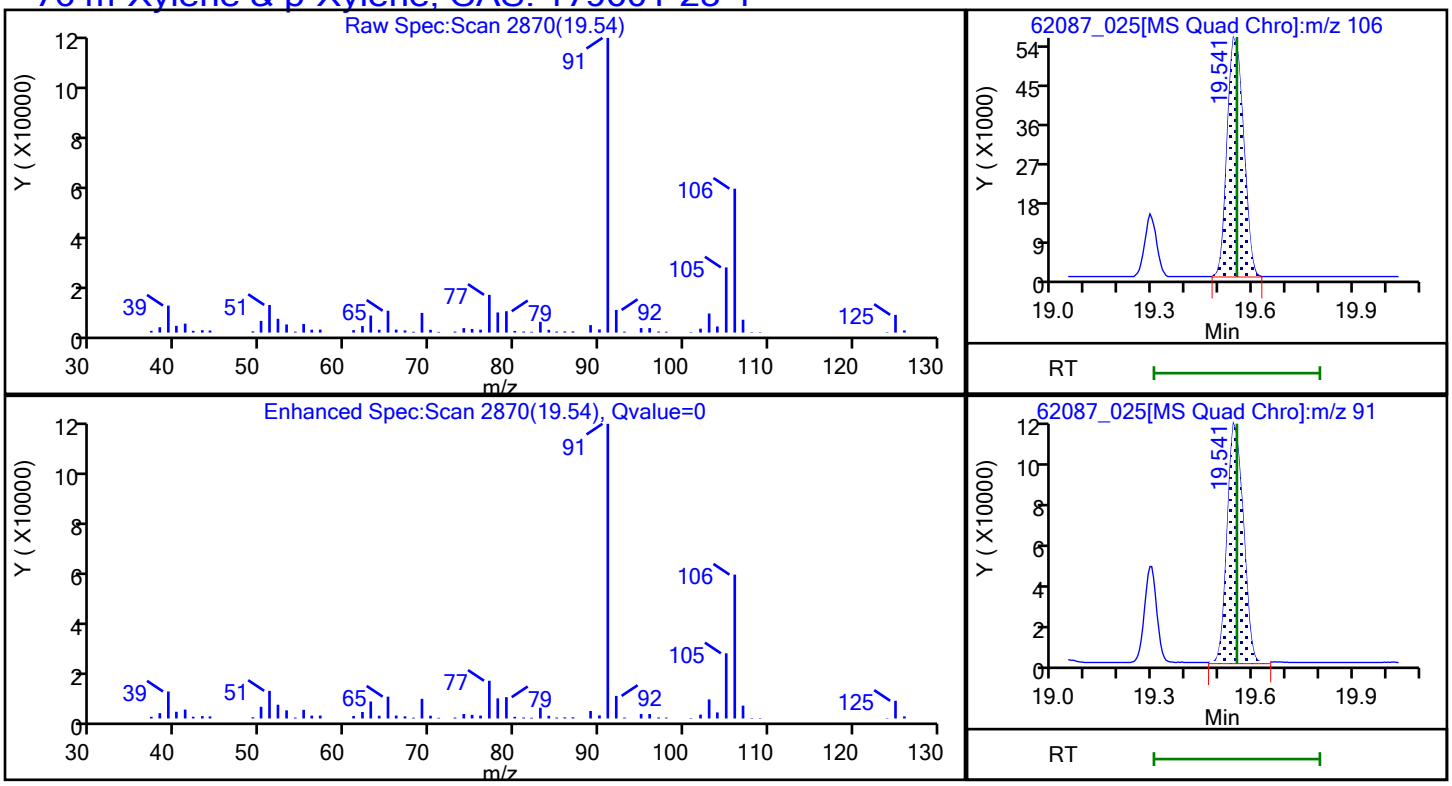
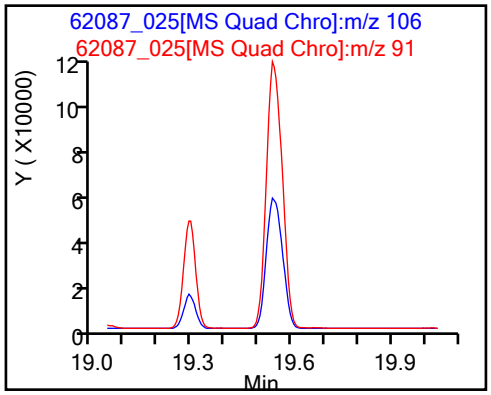
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1





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Eurofins Burlington

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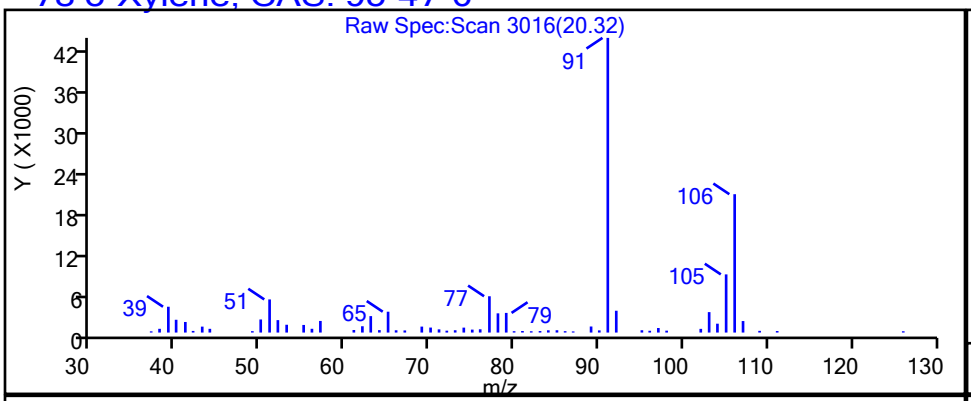
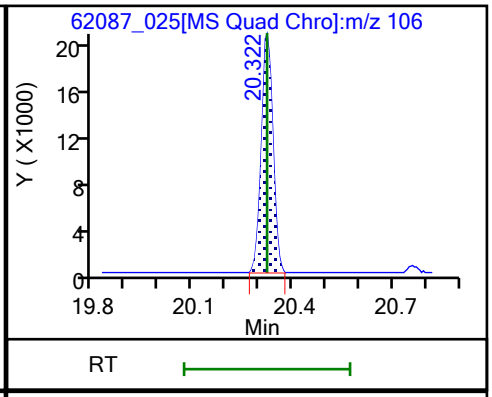
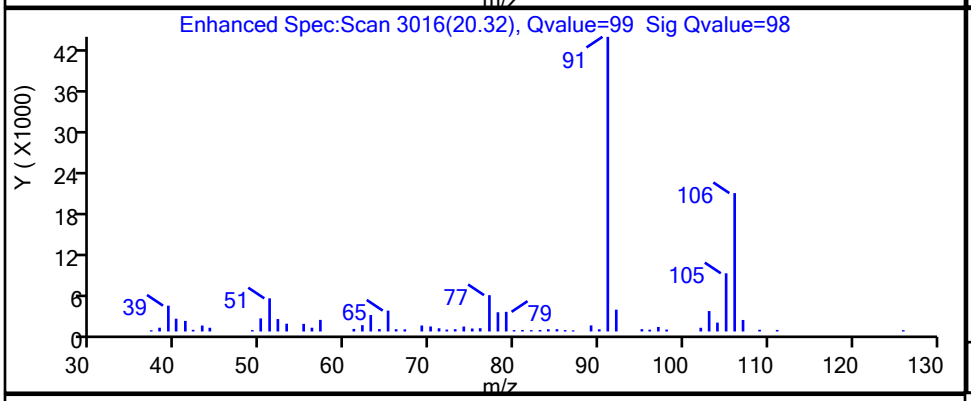
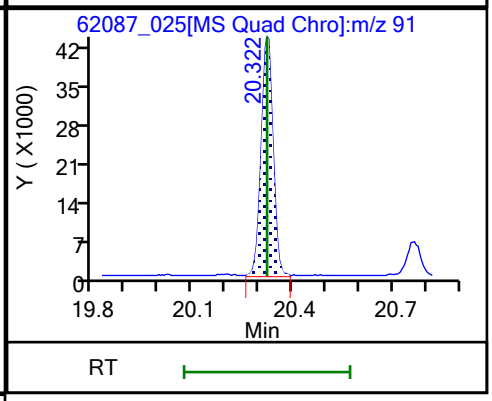
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

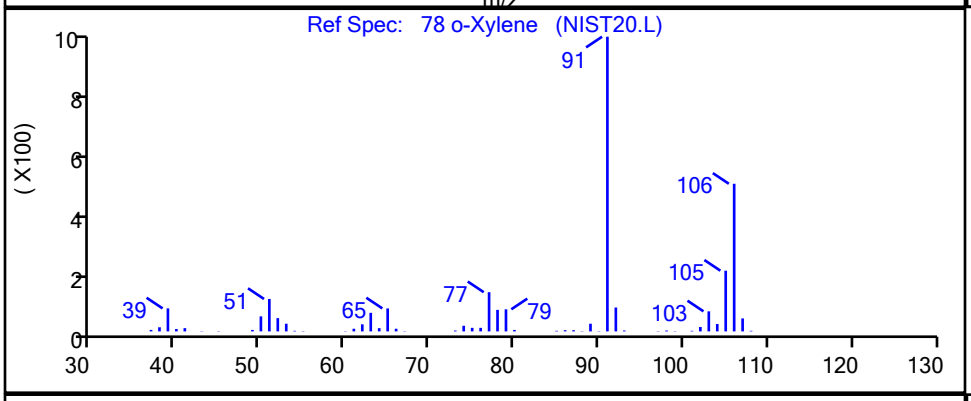
78 o-Xylene, CAS: 95-47-6

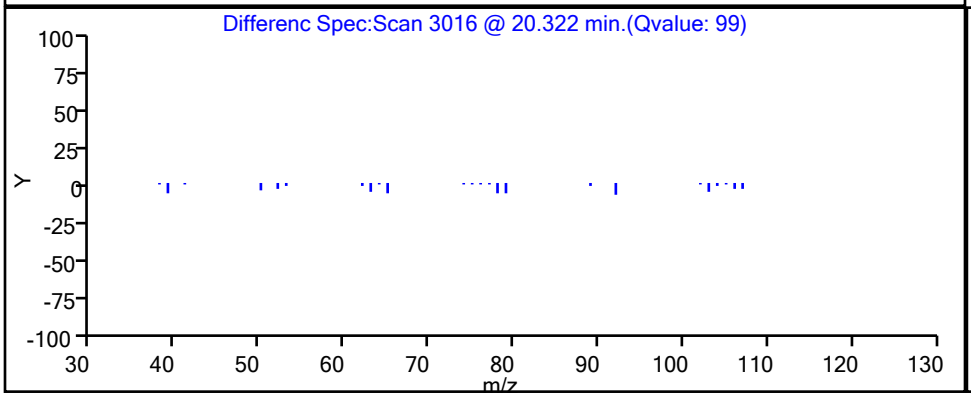


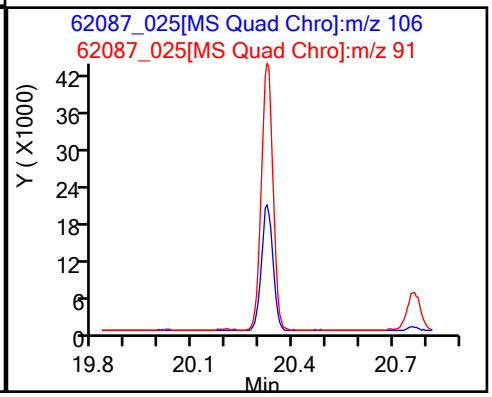












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Eurofins Burlington

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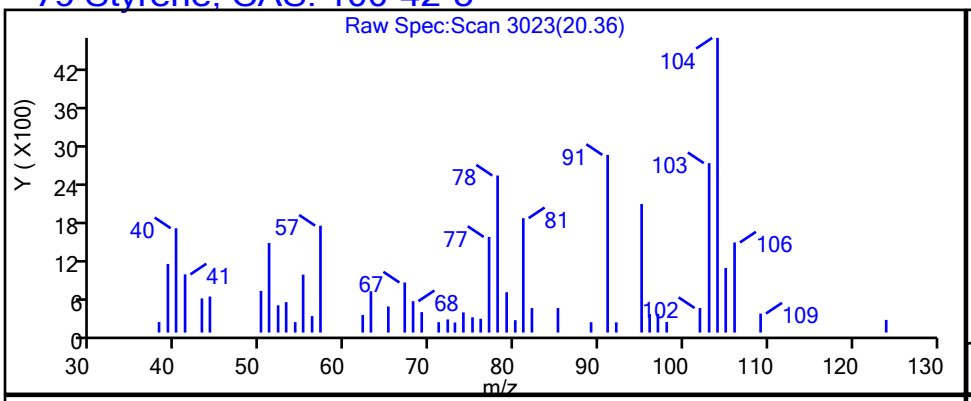
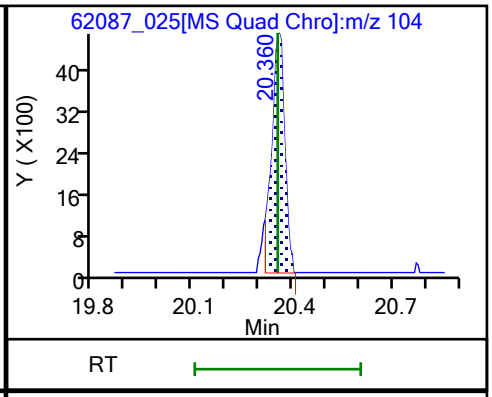
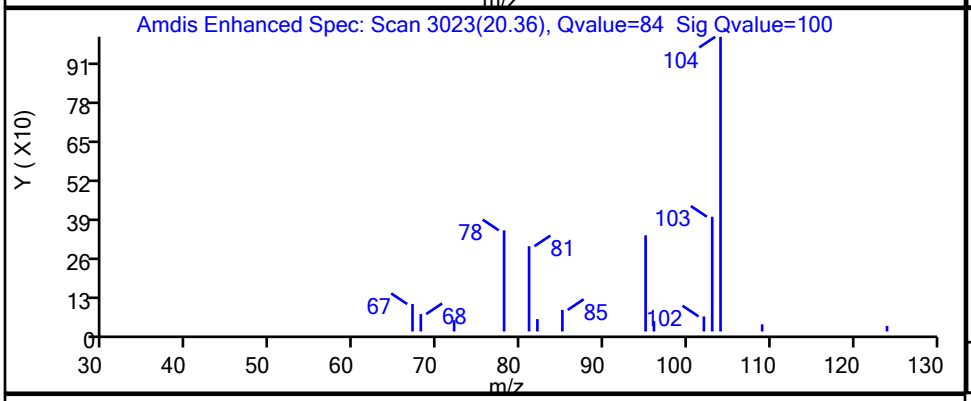
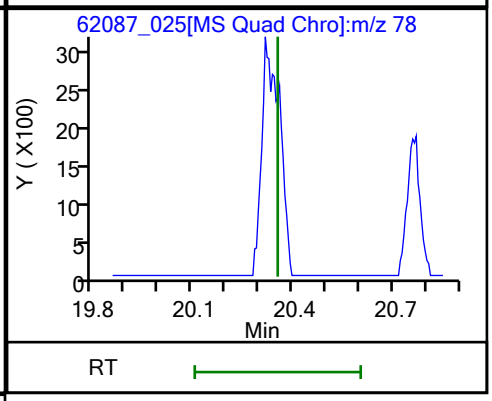
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

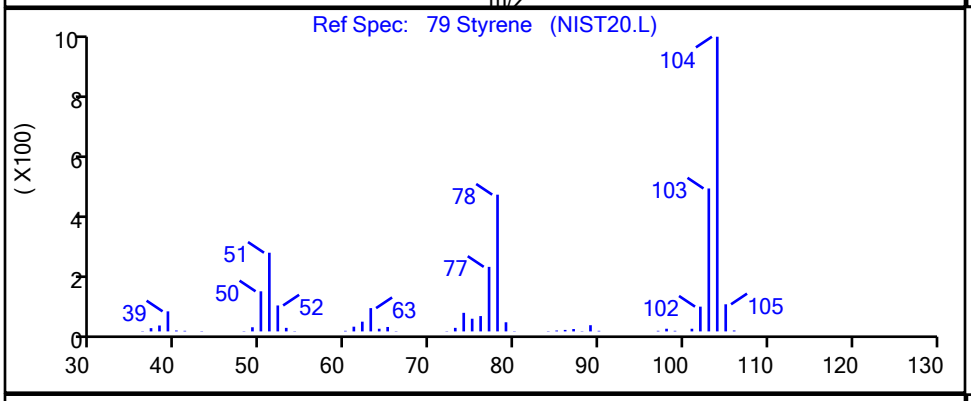
79 Styrene, CAS: 100-42-5

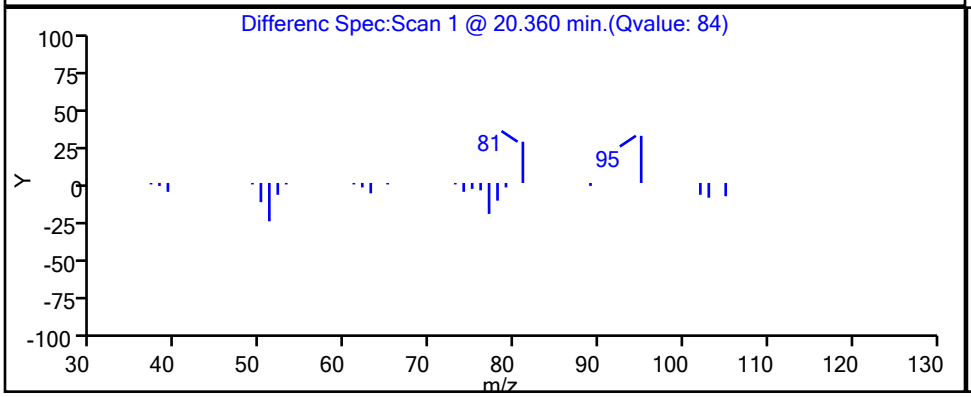


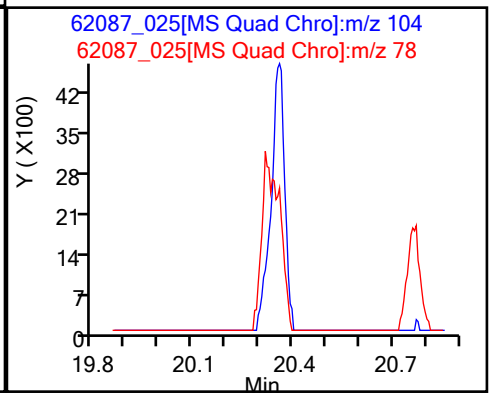












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Eurofins Burlington

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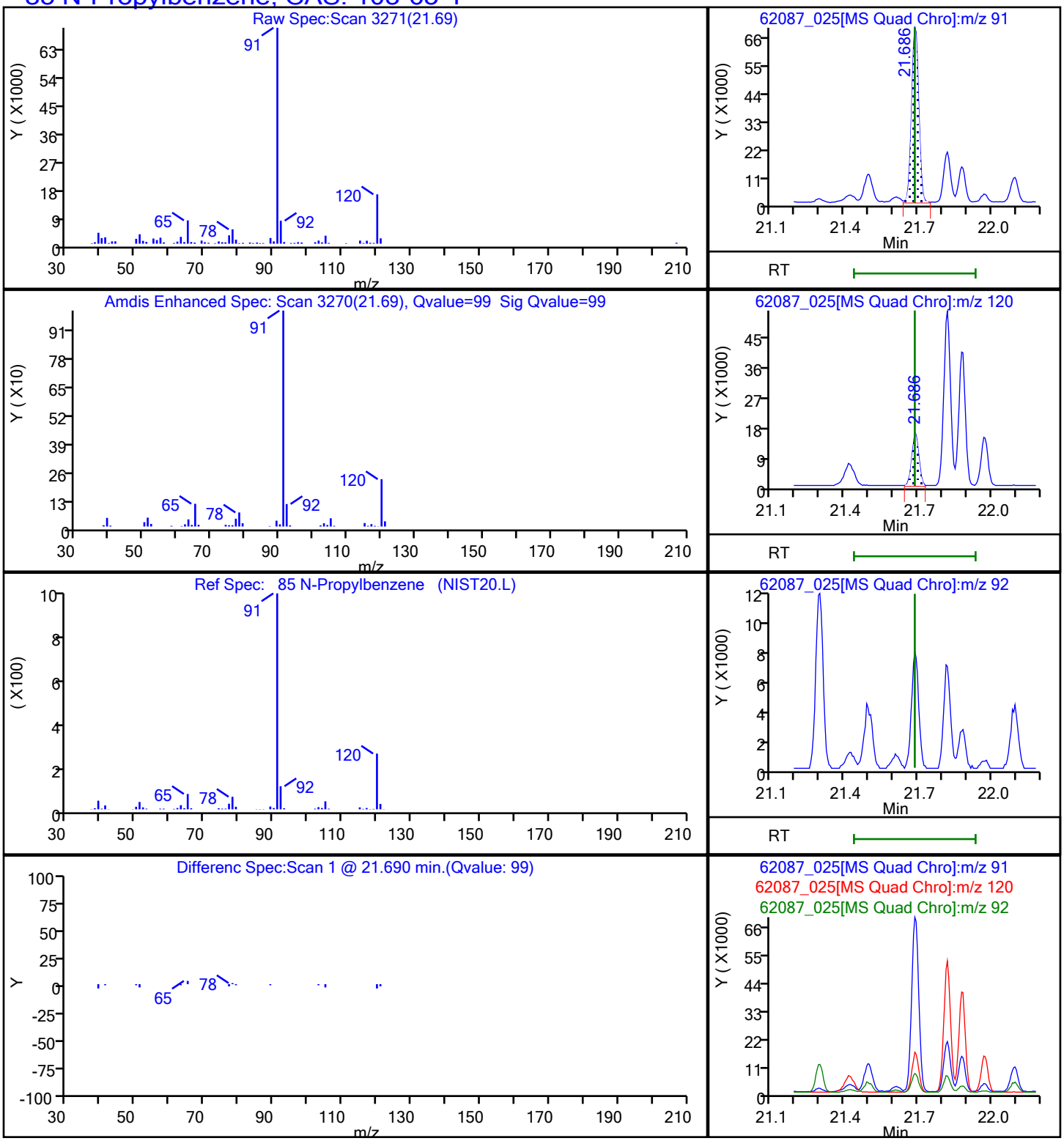
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

85 N-Propylbenzene, CAS: 103-65-1



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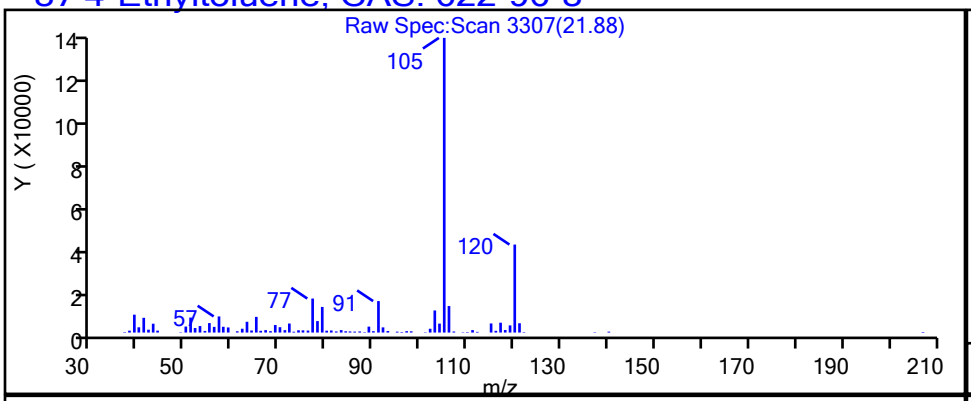
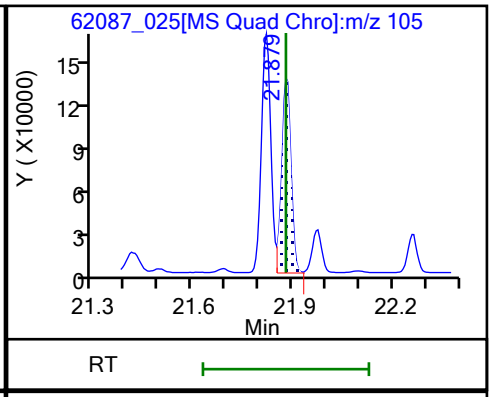
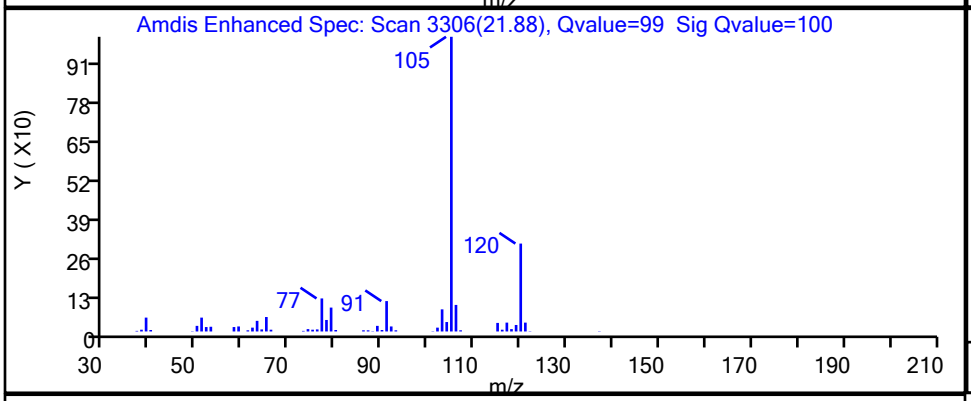
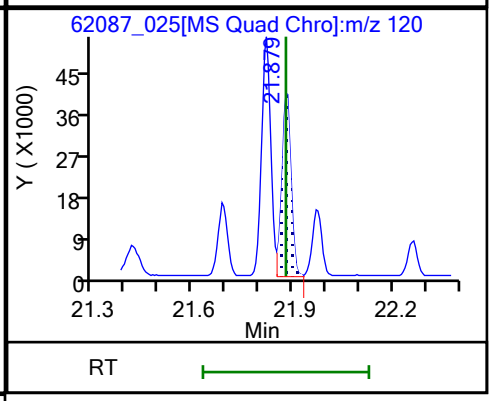
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

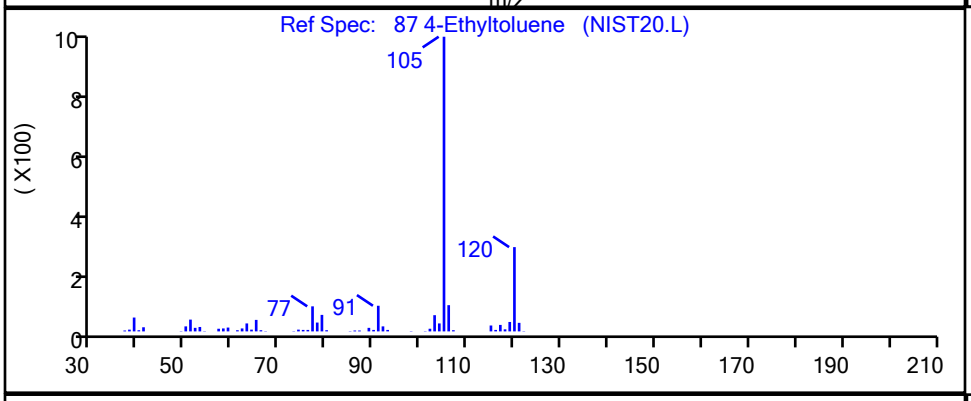
87 4-Ethyltoluene, CAS: 622-96-8

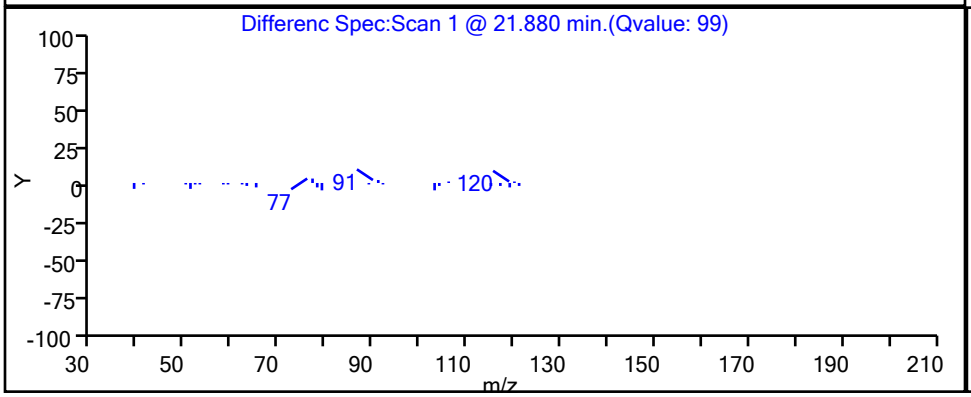


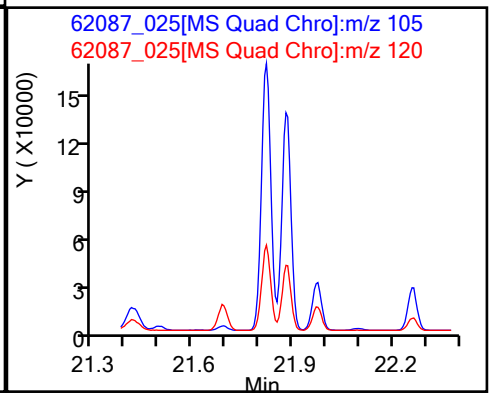












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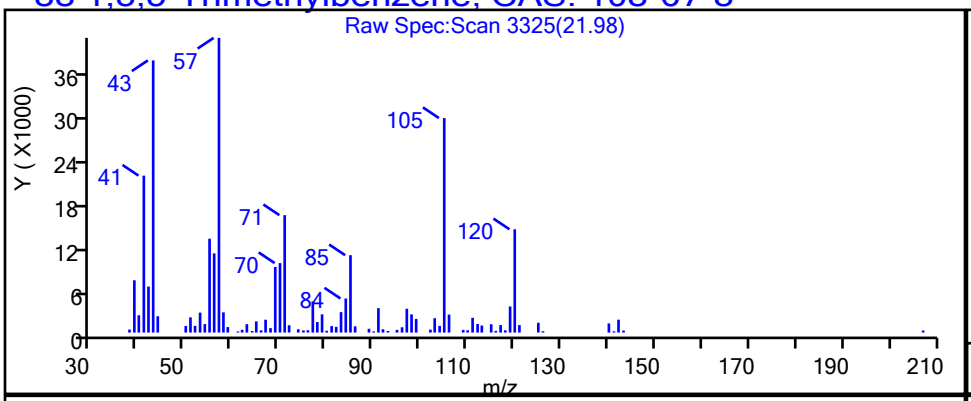
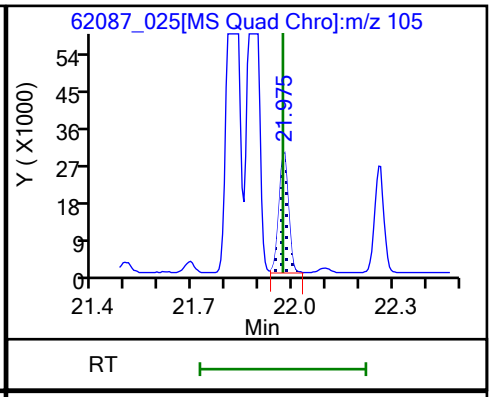
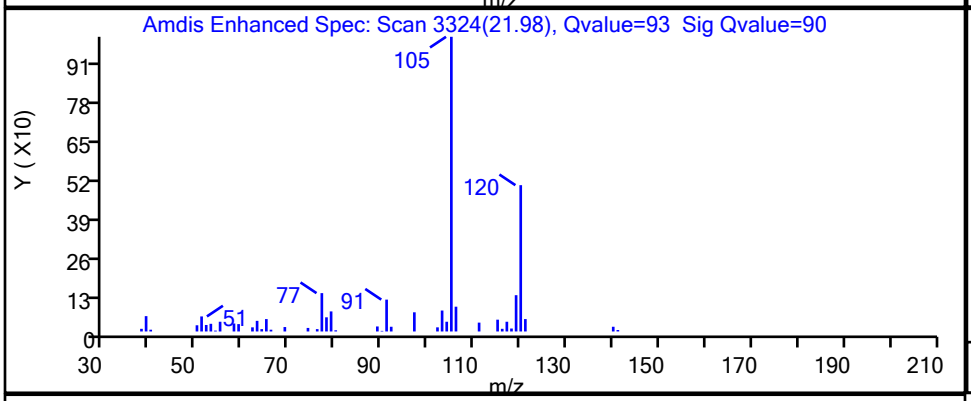
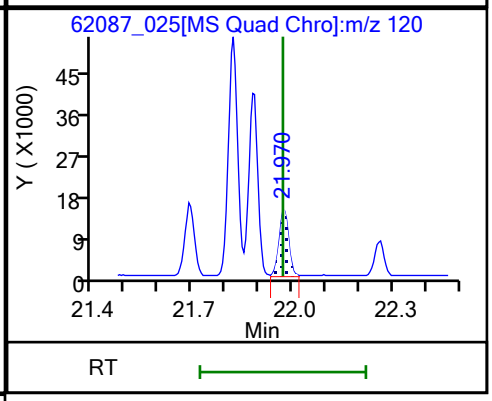
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

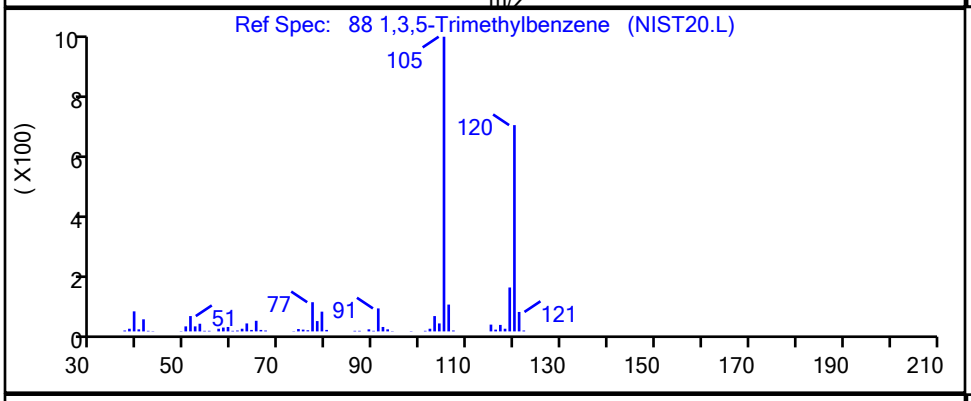
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

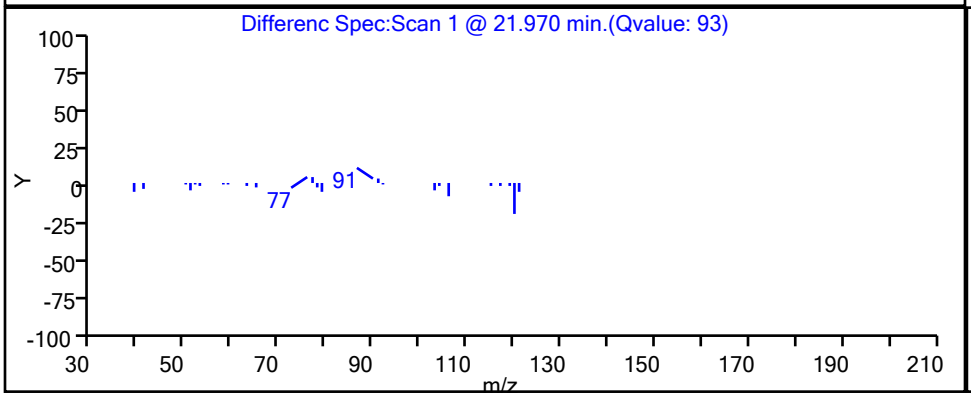


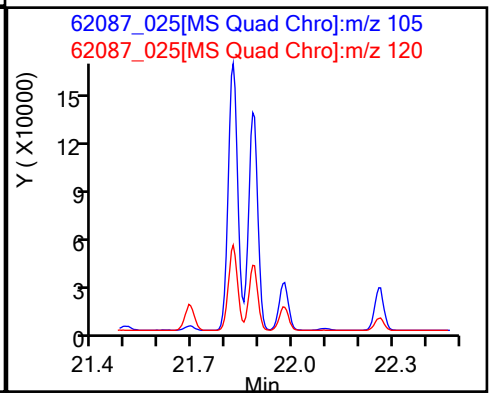












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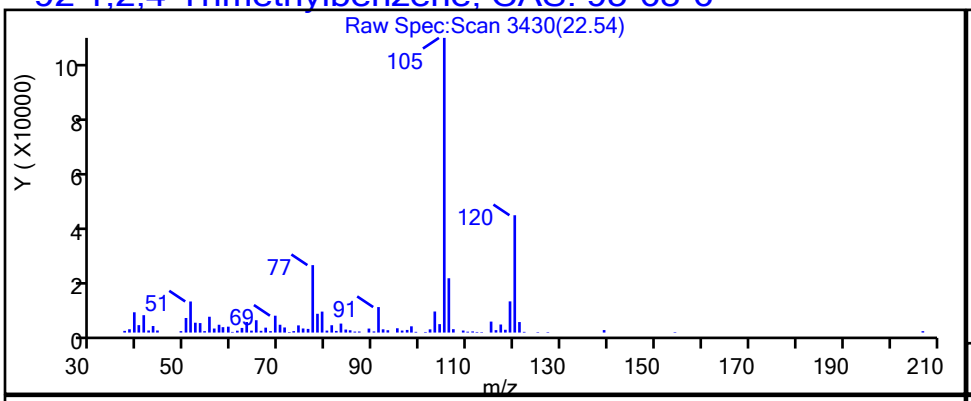
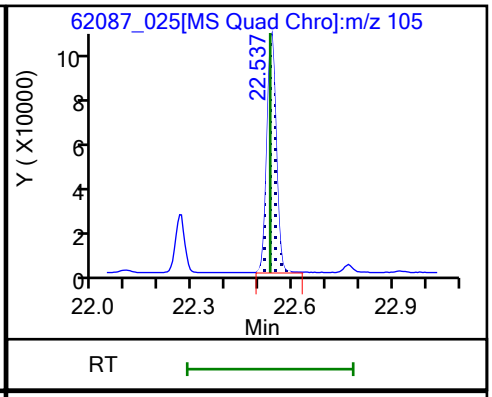
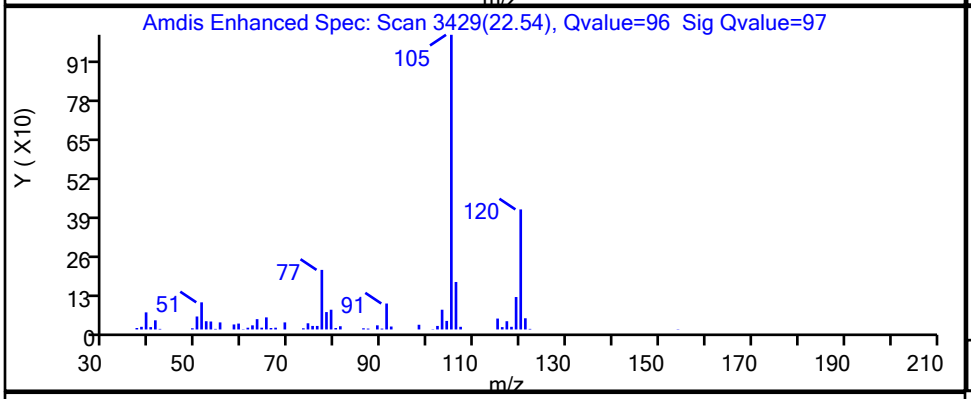
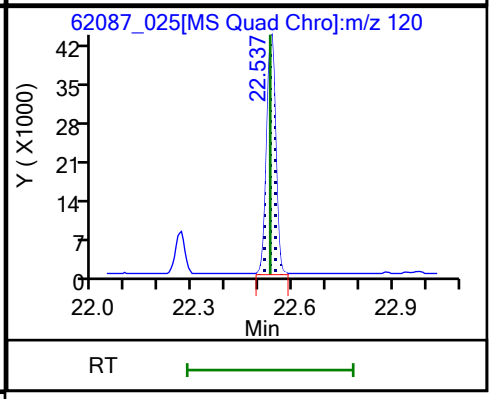
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

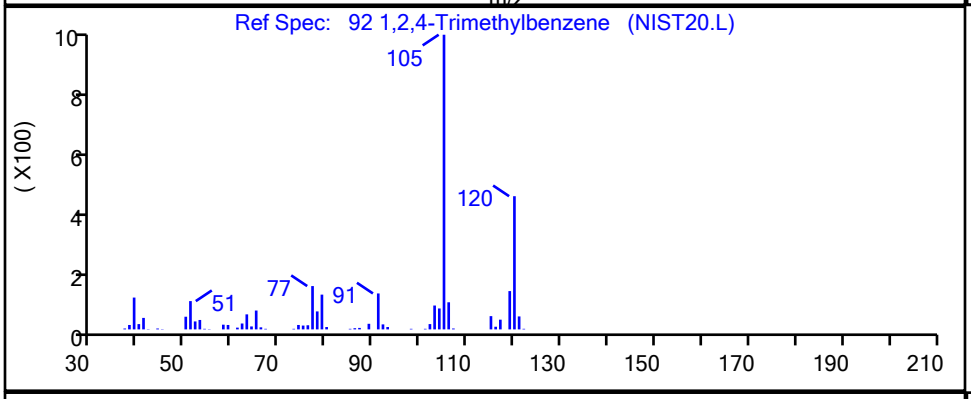
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

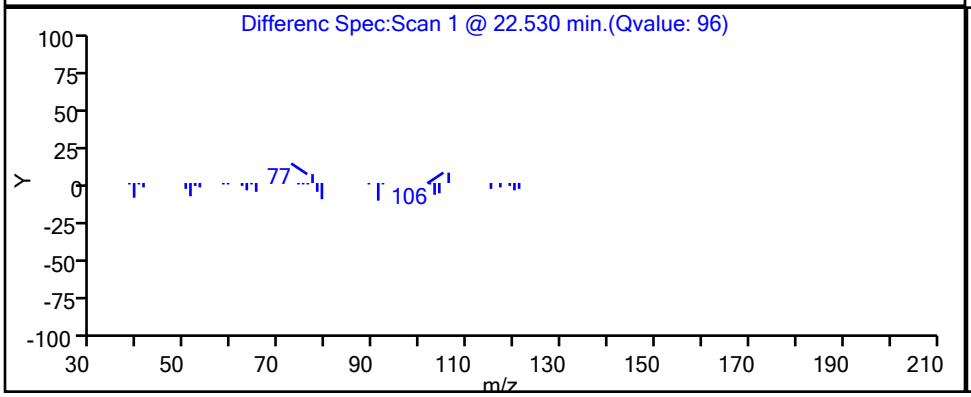


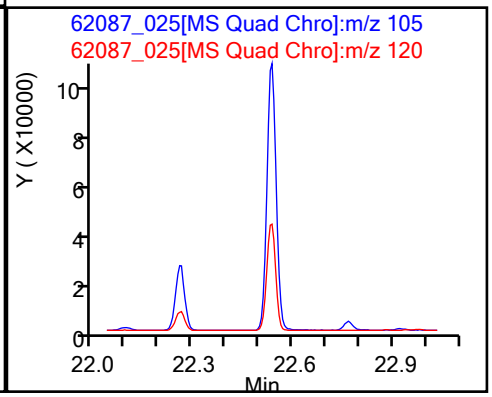










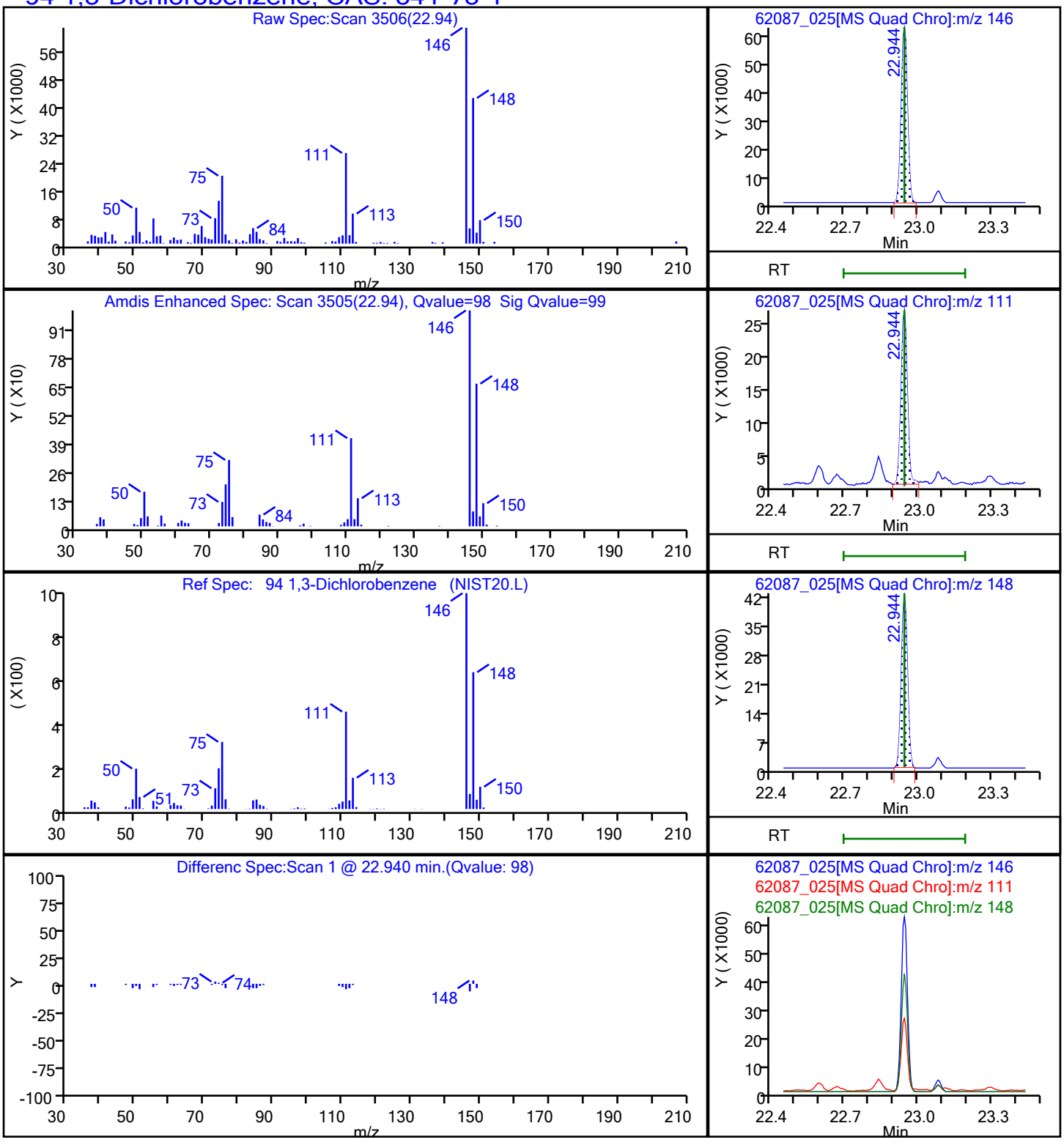


Report Date: 18-Sep-2024 16:07:37 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3-Dichlorobenzene, CAS: 541-73-1



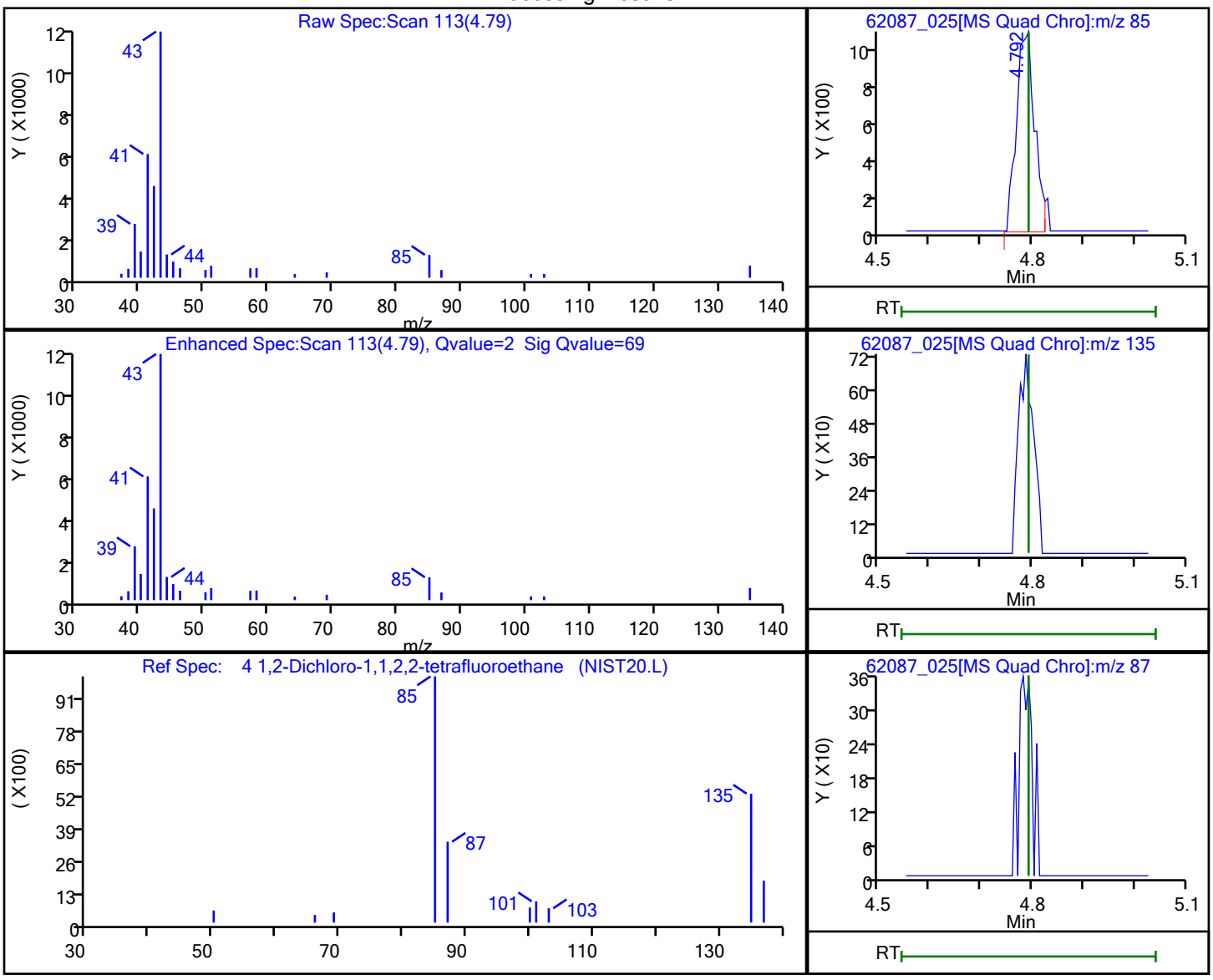
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
4.79	85.00	2567	0.018482
4.79	135.00	0	
4.79	87.00	0	

Reviewer: F7XK, 18-Sep-2024 16:00:44 07:00:00 (UTC)

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

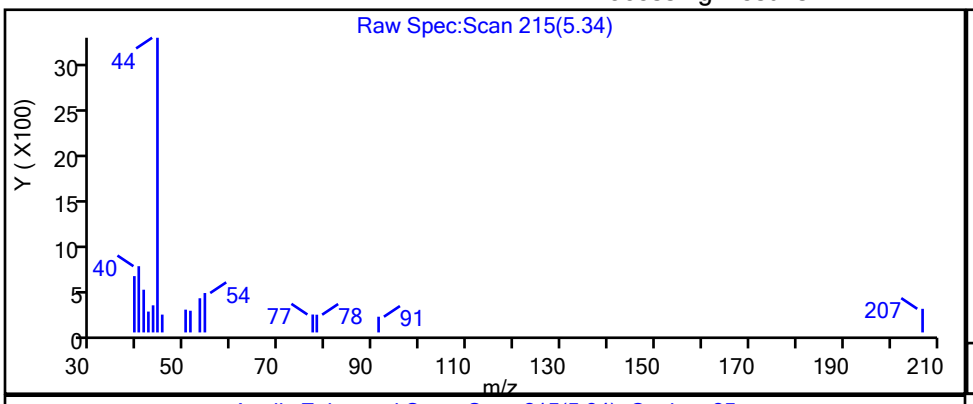
User Disabled Compound Report

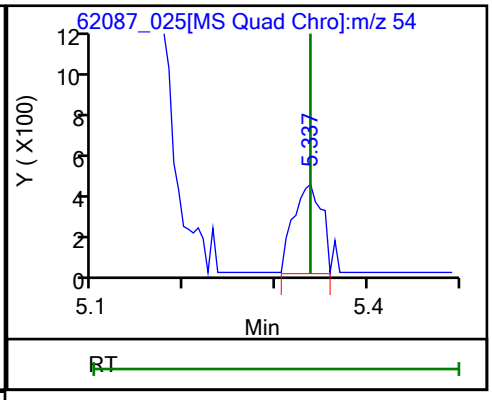
Eurofins Burlington

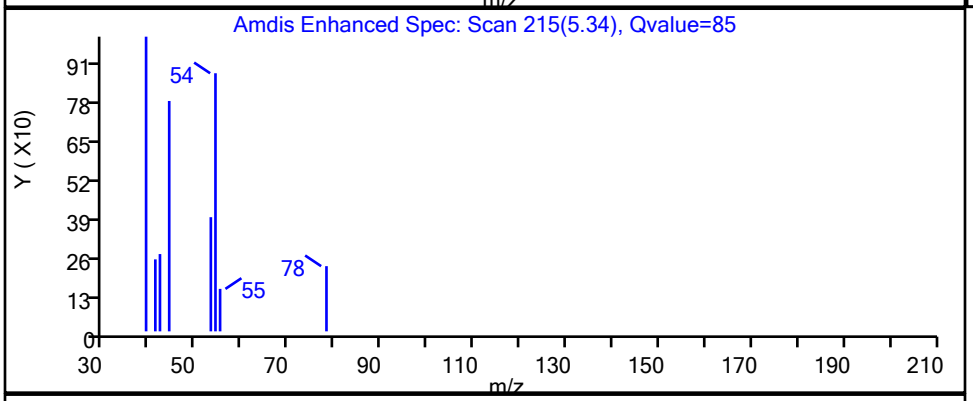
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

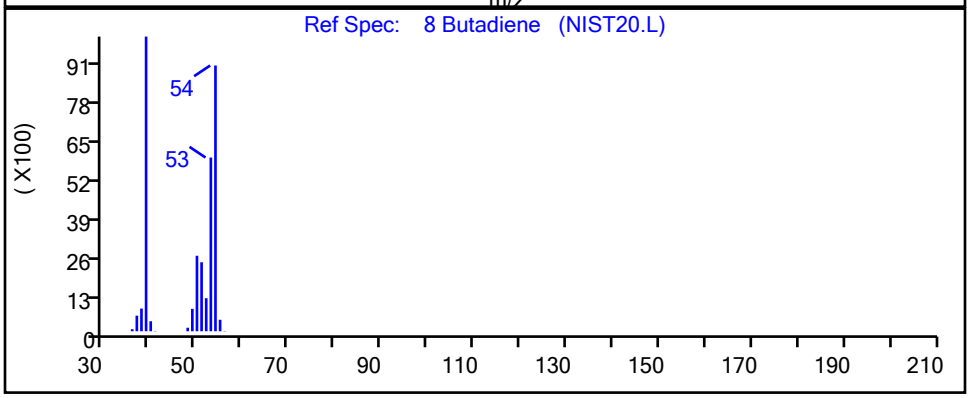
8 Butadiene, CAS: 106-99-0

Processing Results









RT	Mass	Response	Amount
5.34	54.00	916	0.024008

Reviewer: F7XK, 18-Sep-2024 16:00:57 07:00:00 (UTC)

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

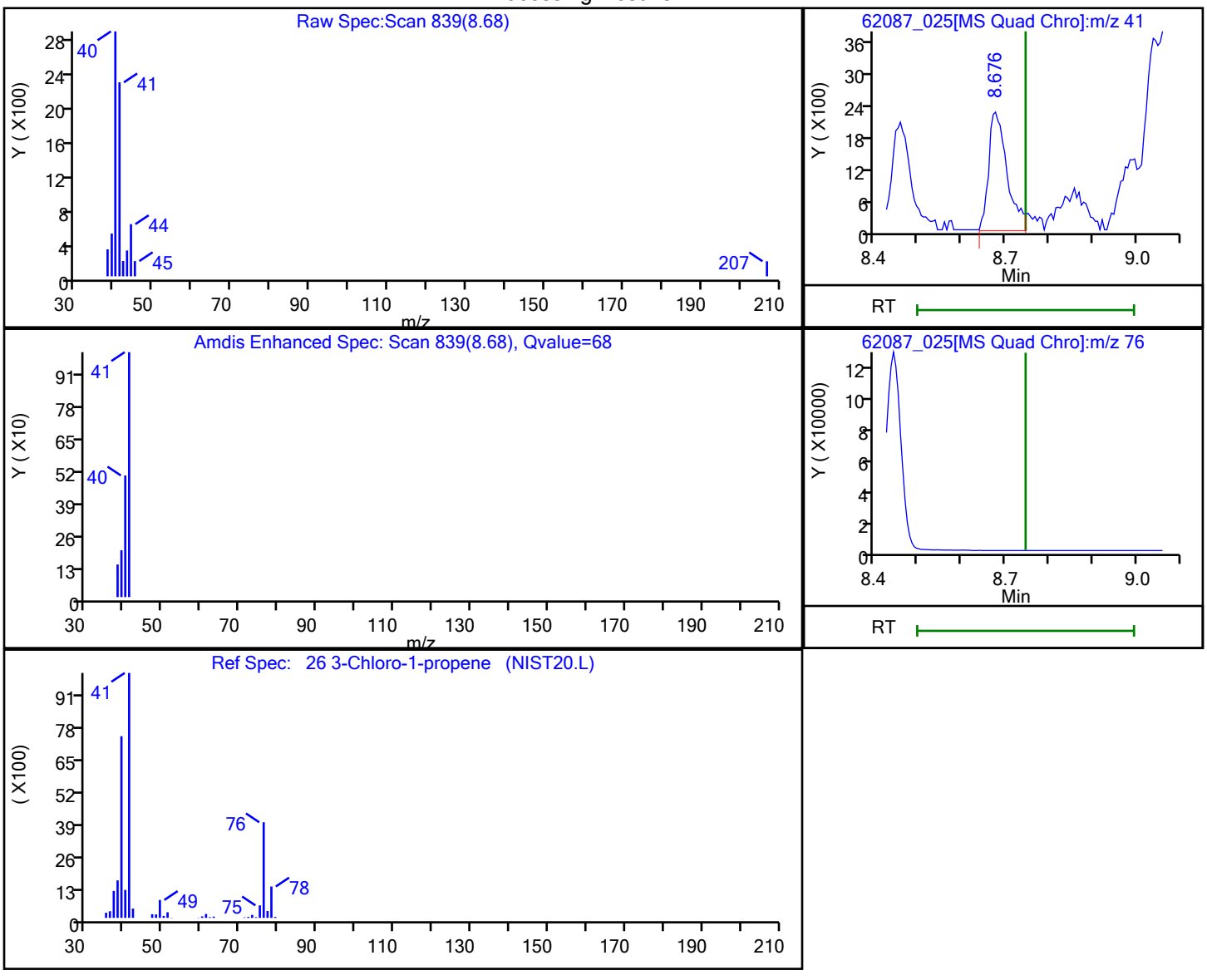
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.68	41.00	6571	0.097356
8.75	76.00	0	

Reviewer: F7XK, 18-Sep-2024 16:01:23 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

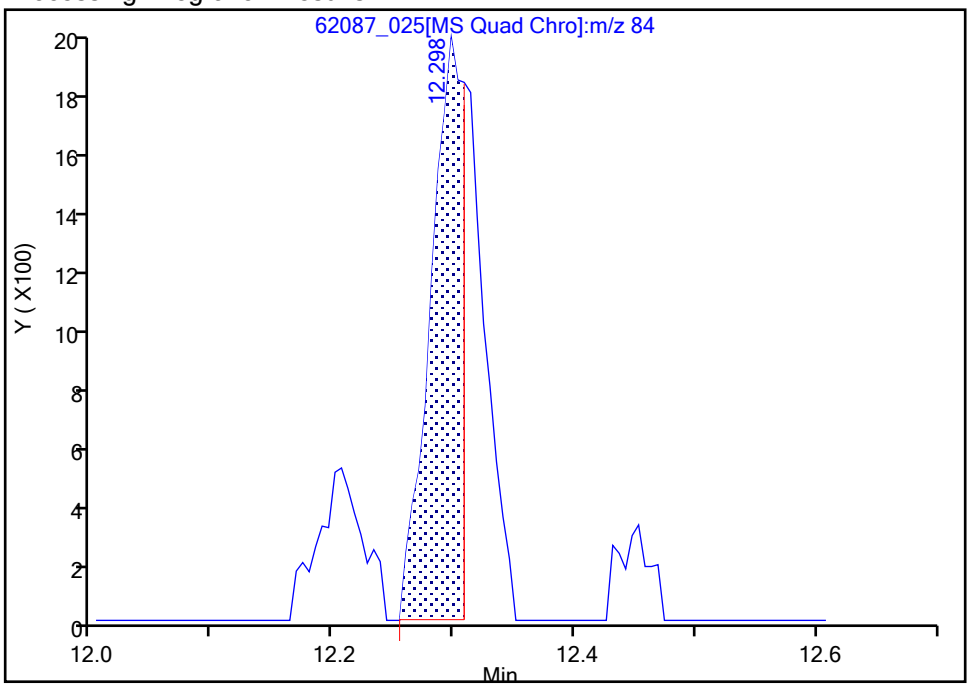
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

Signal: 1

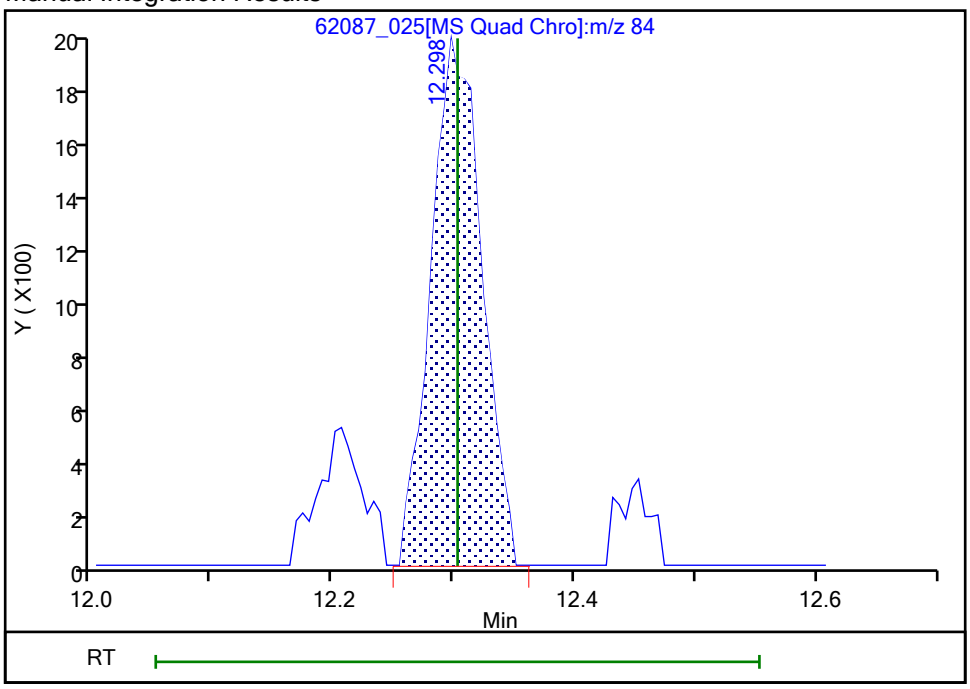
Processing Integration Results

RT: 12.30
Area: 3693
Amount: 0.050086
Amount Units: ppb v/v



Manual Integration Results

RT: 12.30
Area: 5568
Amount: 0.075516
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:02:27 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington

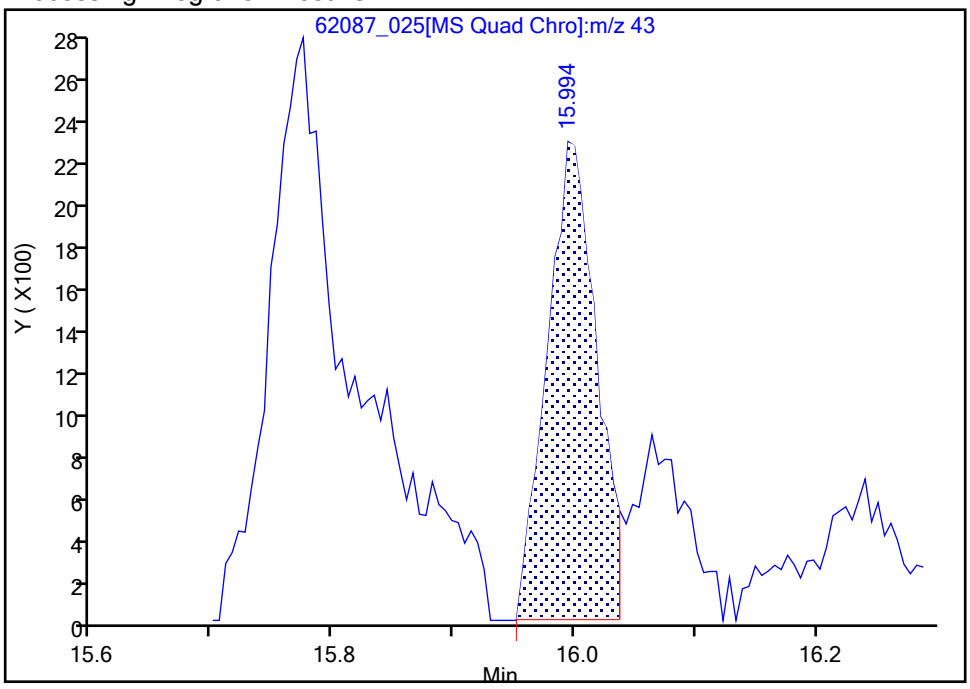
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

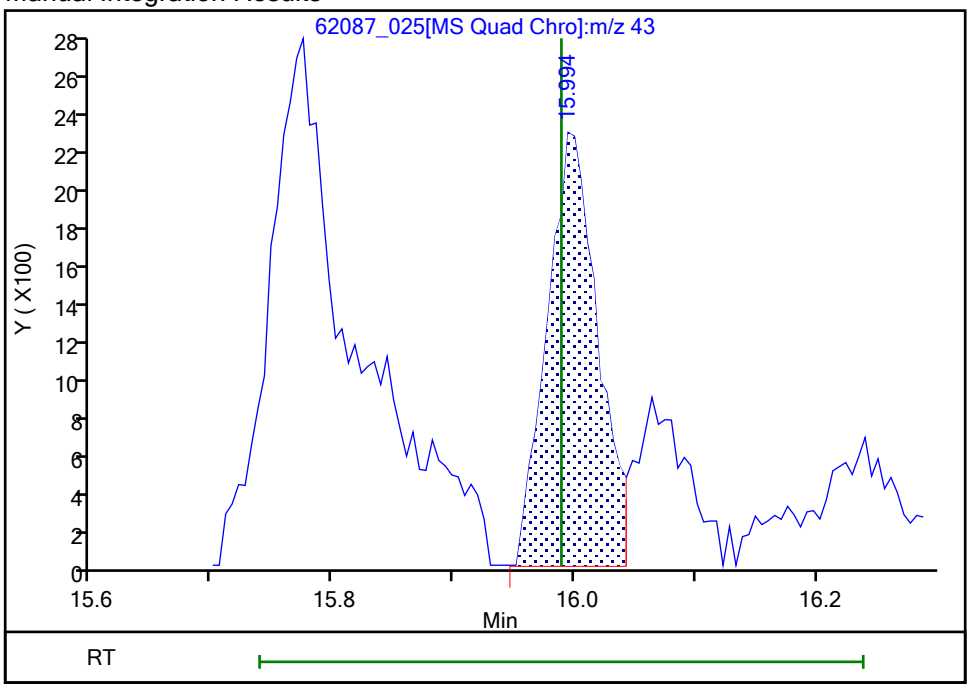
Processing Integration Results

RT: 15.99
Area: 6563
Amount: 0.055235
Amount Units: ppb v/v



Manual Integration Results

RT: 15.99
Area: 6712
Amount: 0.056489
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:03:15 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

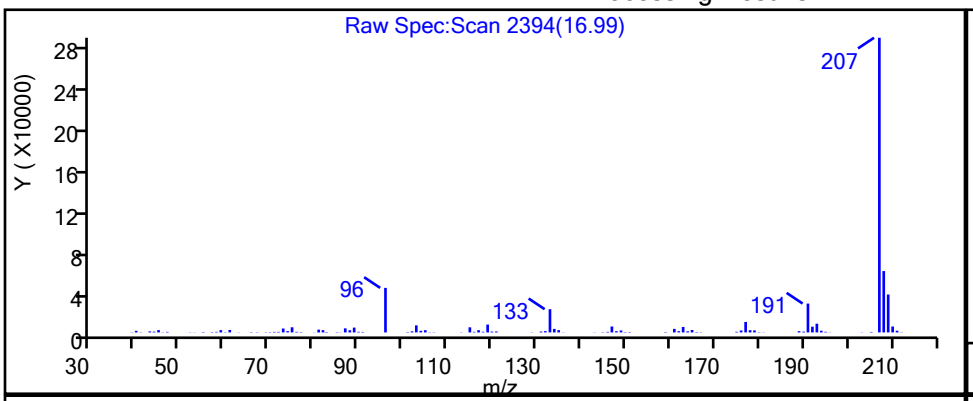
User Disabled Compound Report

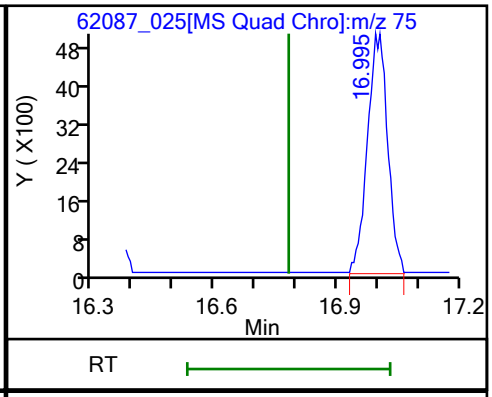
Eurofins Burlington

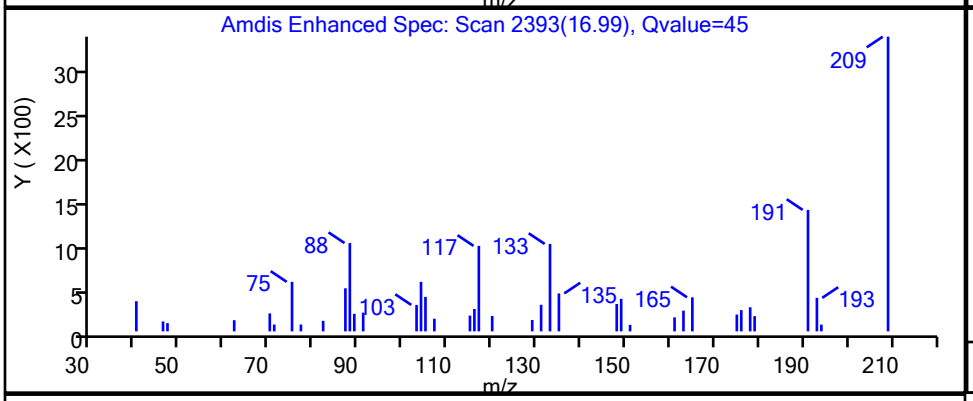
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

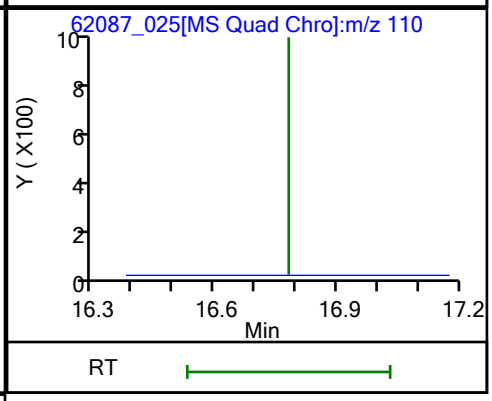
66 trans-1,3-Dichloropropene, CAS: 10061-02-6

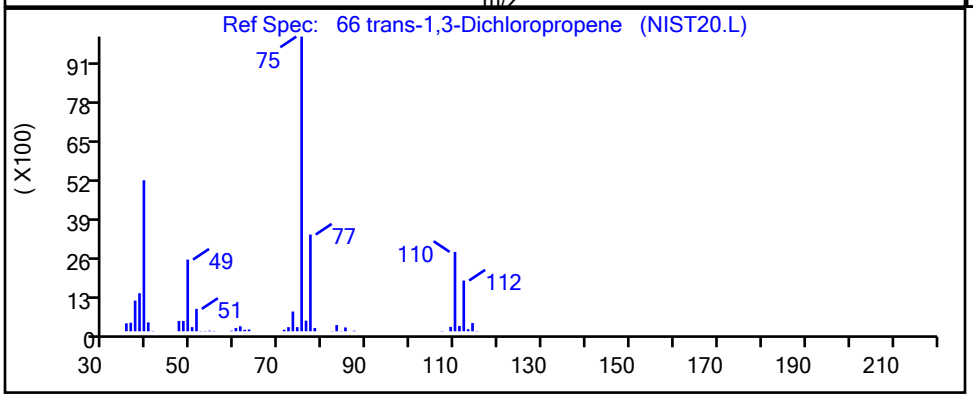
Processing Results











RT	Mass	Response	Amount
16.99	75.00	17443	0.200517
16.78	110.00	0	

Reviewer: F7XK, 18-Sep-2024 16:03:27 07:00:00 (UTC)

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

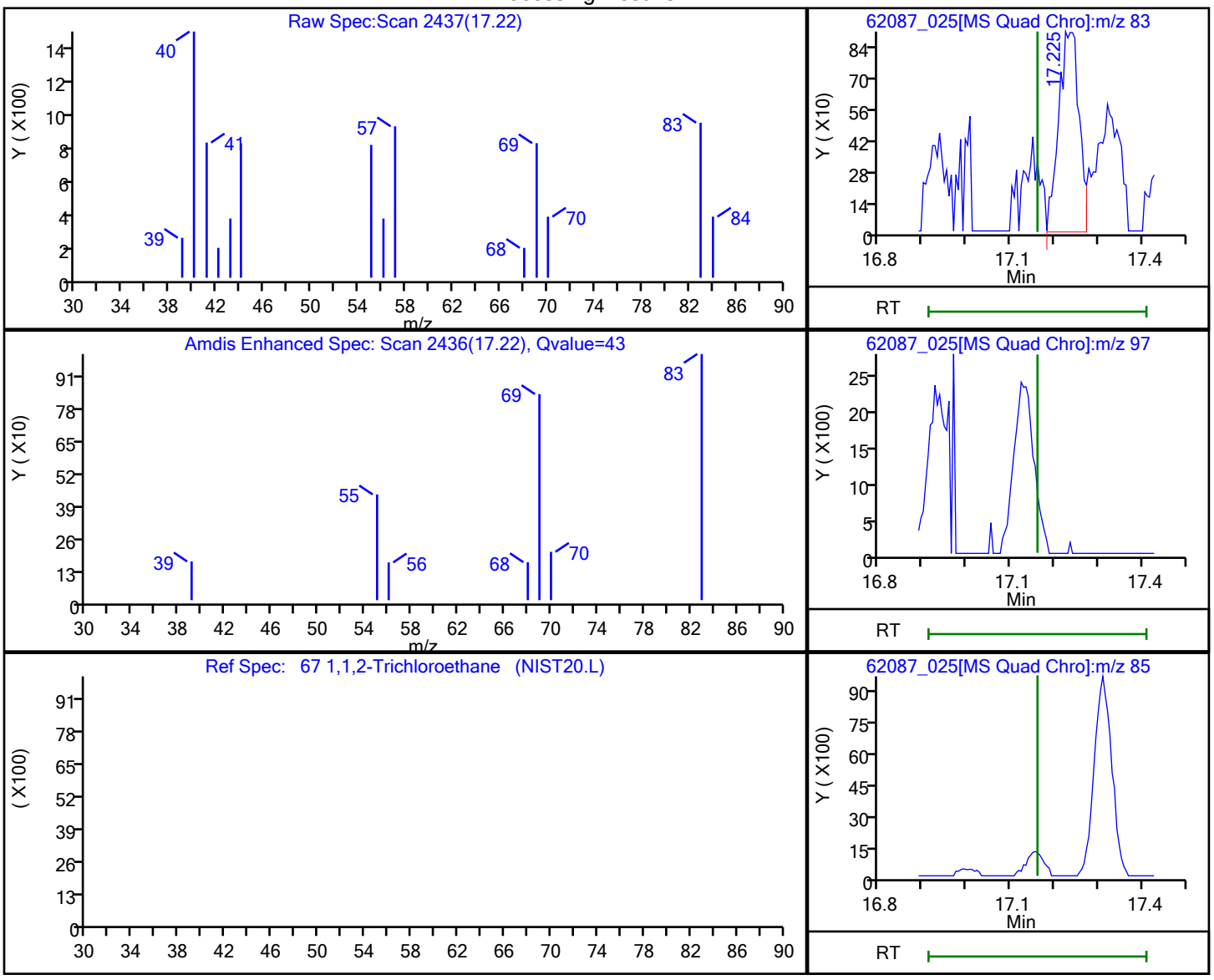
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.22	83.00	2960	0.048382
17.16	97.00	0	
17.16	85.00	0	

Reviewer: F7XK, 18-Sep-2024 16:03:32 07:00:00 (UTC)

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

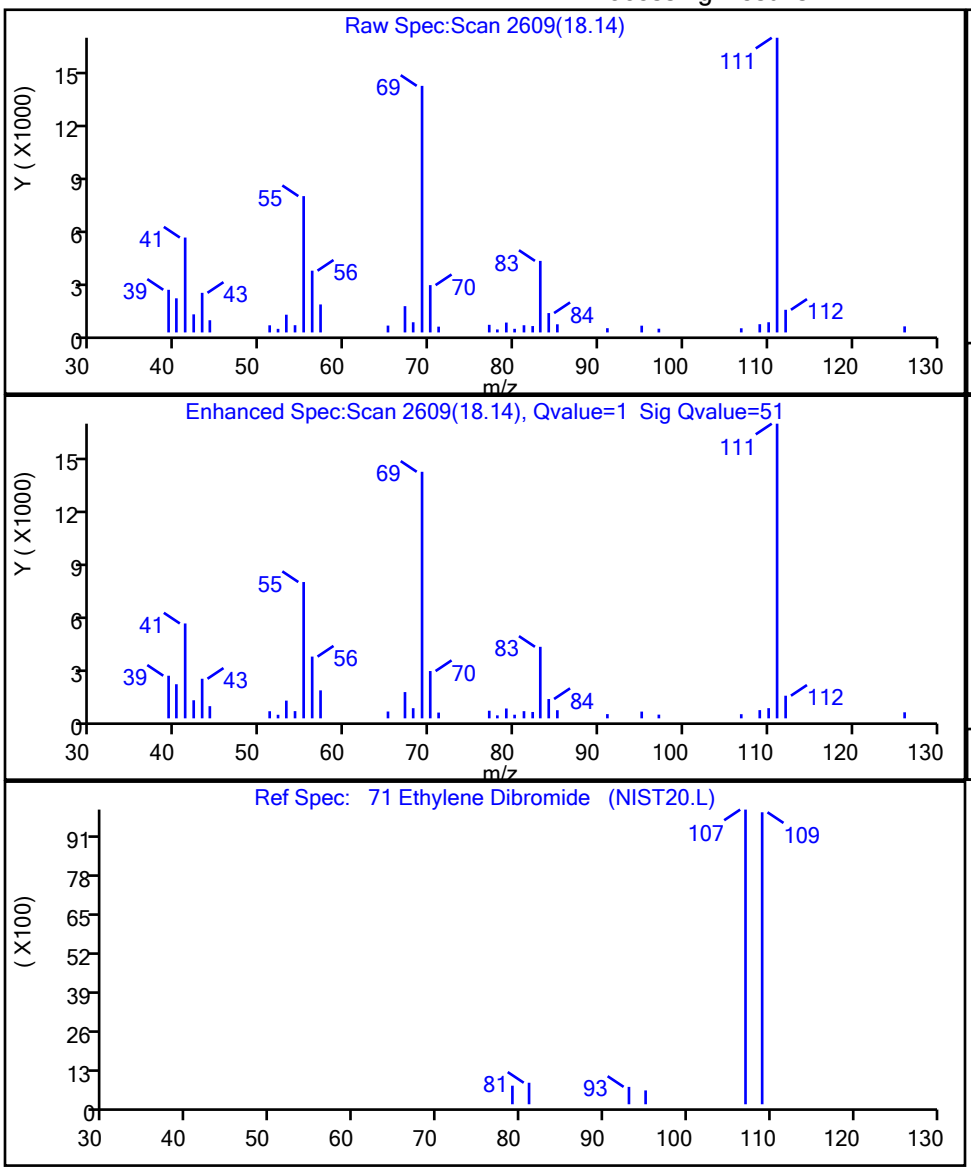
User Disabled Compound Report

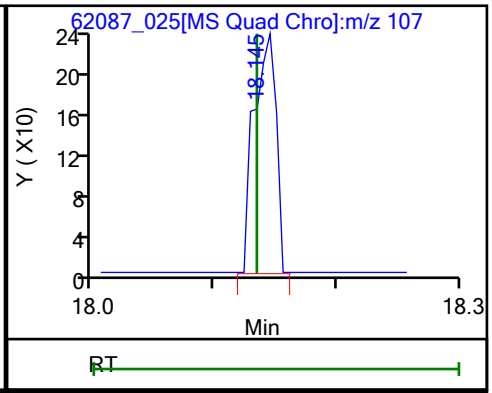
Eurofins Burlington

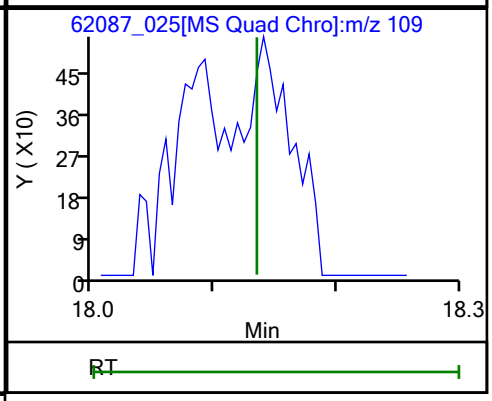
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

71 Ethylene Dibromide, CAS: 106-93-4

Processing Results







RT	Mass	Response	Amount
18.14	107.00	290	0.002622
18.13	109.00	0	

Reviewer: F7XK, 18-Sep-2024 16:03:56 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

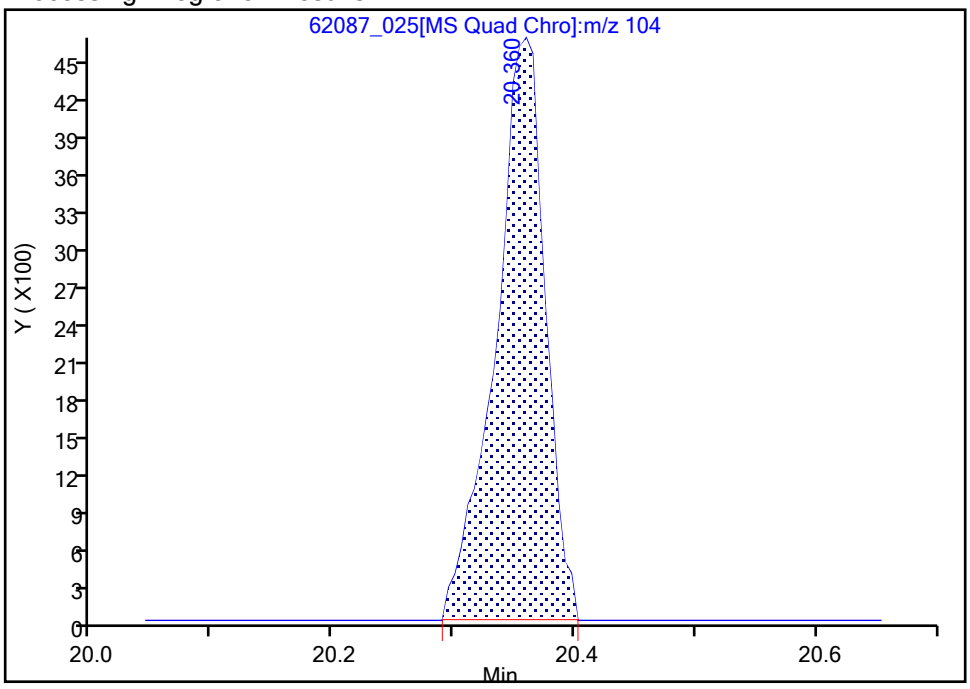
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Styrene, CAS: 100-42-5

Signal: 1

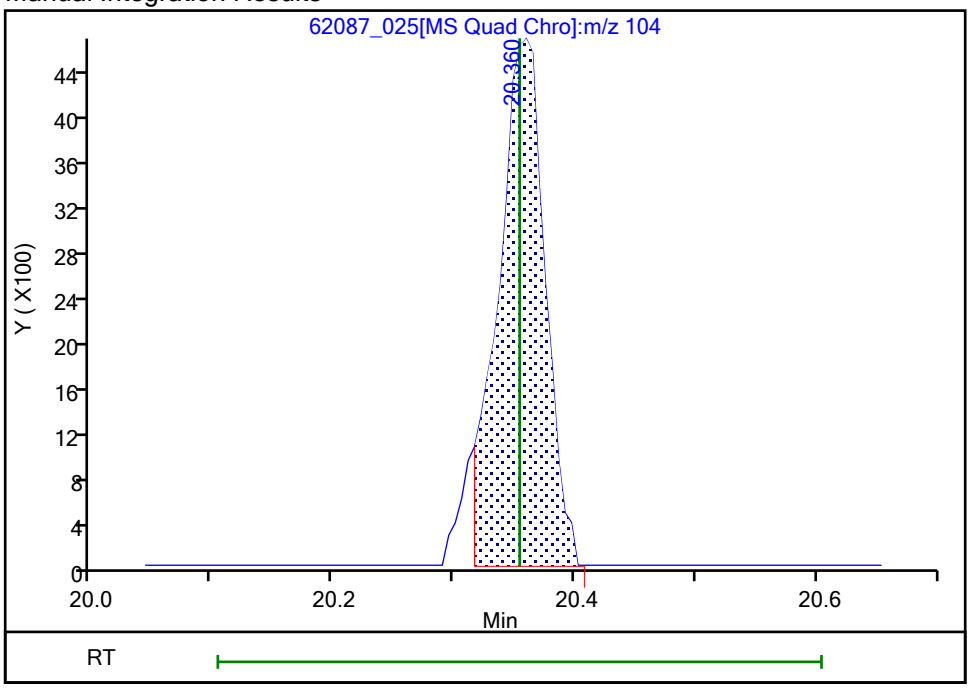
Processing Integration Results

RT: 20.36
Area: 13253
Amount: 0.085207
Amount Units: ppb v/v



Manual Integration Results

RT: 20.36
Area: 12564
Amount: 0.080777
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:04:21 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

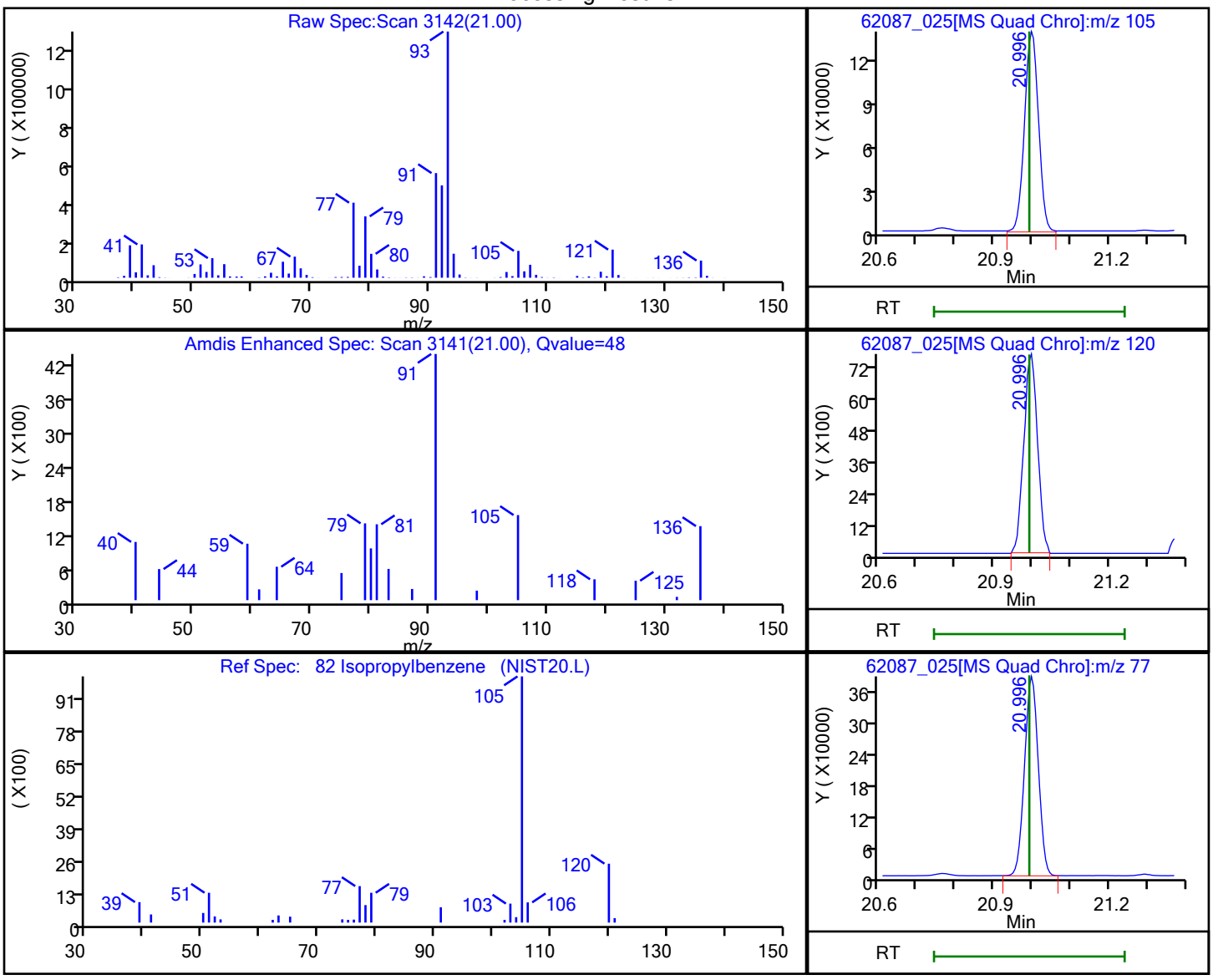
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
21.00	105.00	350968	1.236799
21.00	120.00	19266	
21.00	77.00	971715	

Reviewer: F7XK, 18-Sep-2024 16:04:44 07:00:00 (UTC)

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

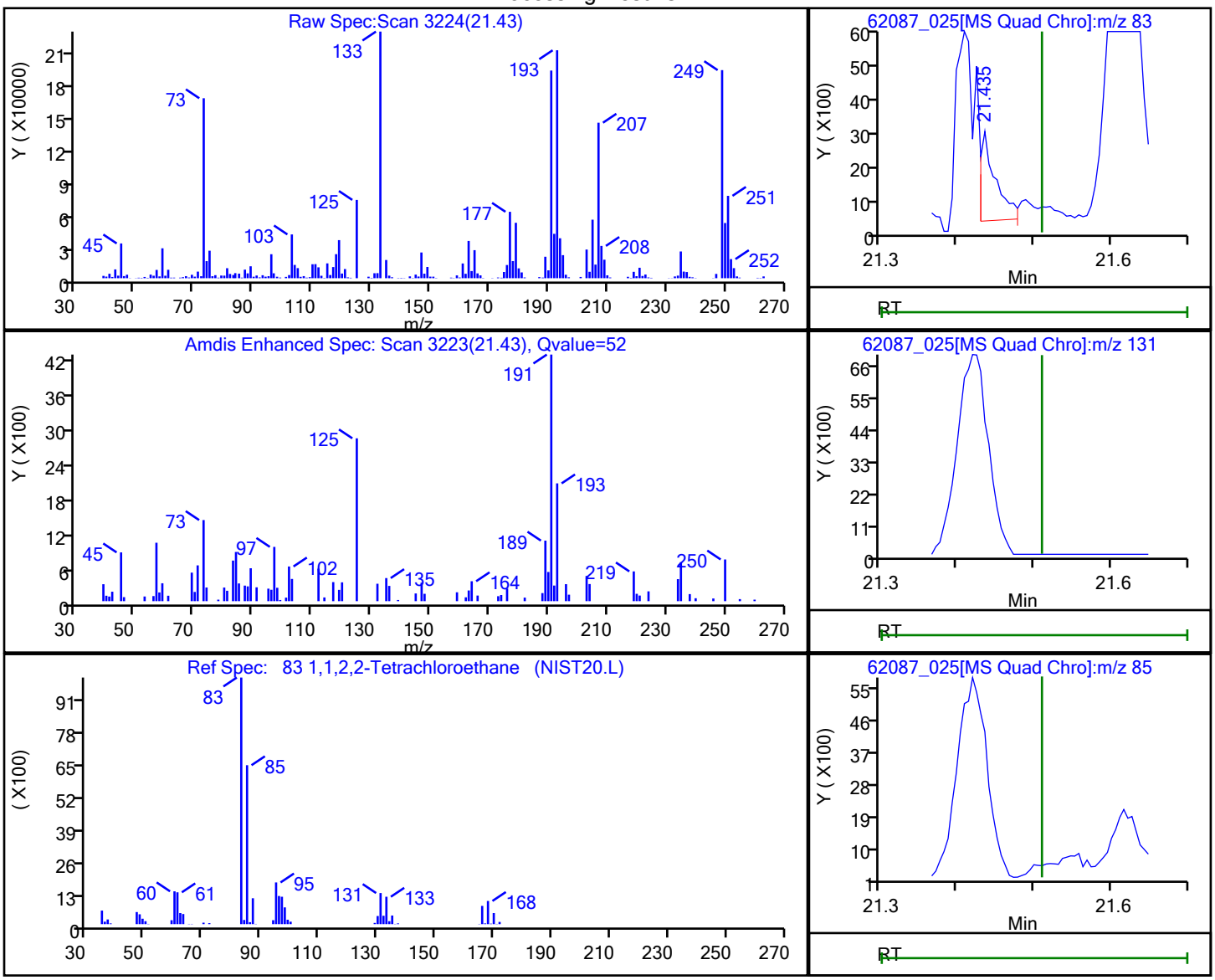
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.43	83.00	3636	0.023607
21.51	131.00	0	
21.51	85.00	0	

Reviewer: F7XK, 18-Sep-2024 16:04:50 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

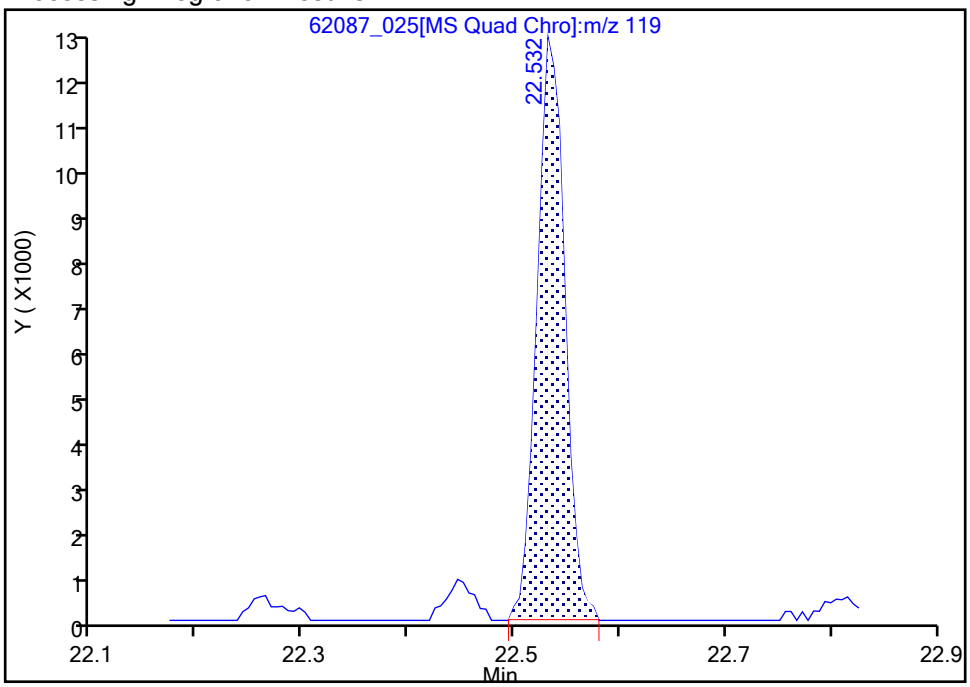
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

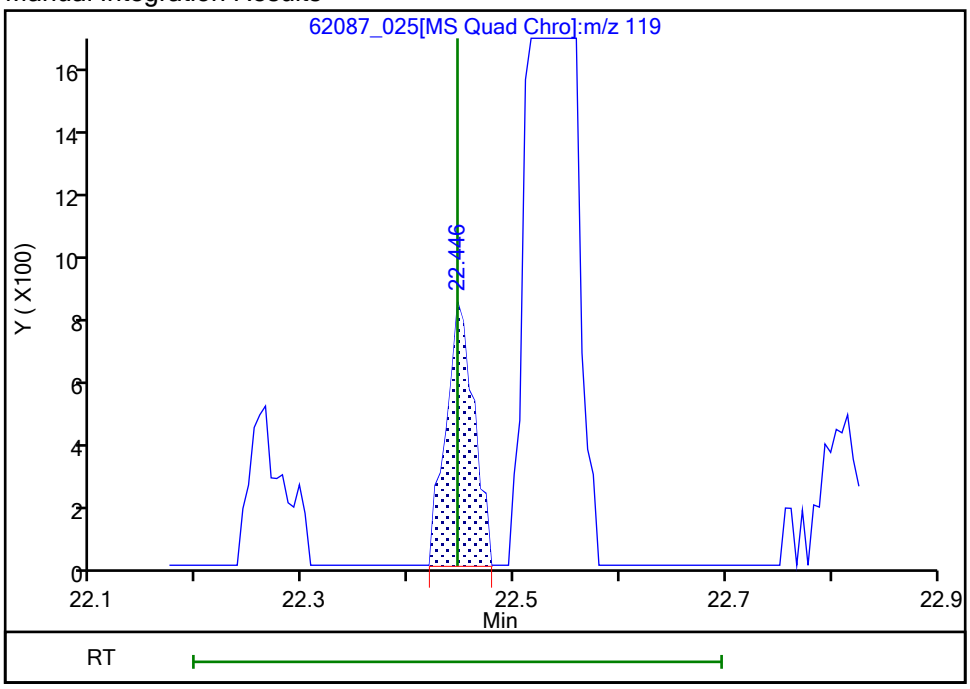
Processing Integration Results

RT: 22.53
Area: 22036
Amount: 0.099819
Amount Units: ppb v/v



Manual Integration Results

RT: 22.45
Area: 1546
Amount: 0.007003
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:05:20 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

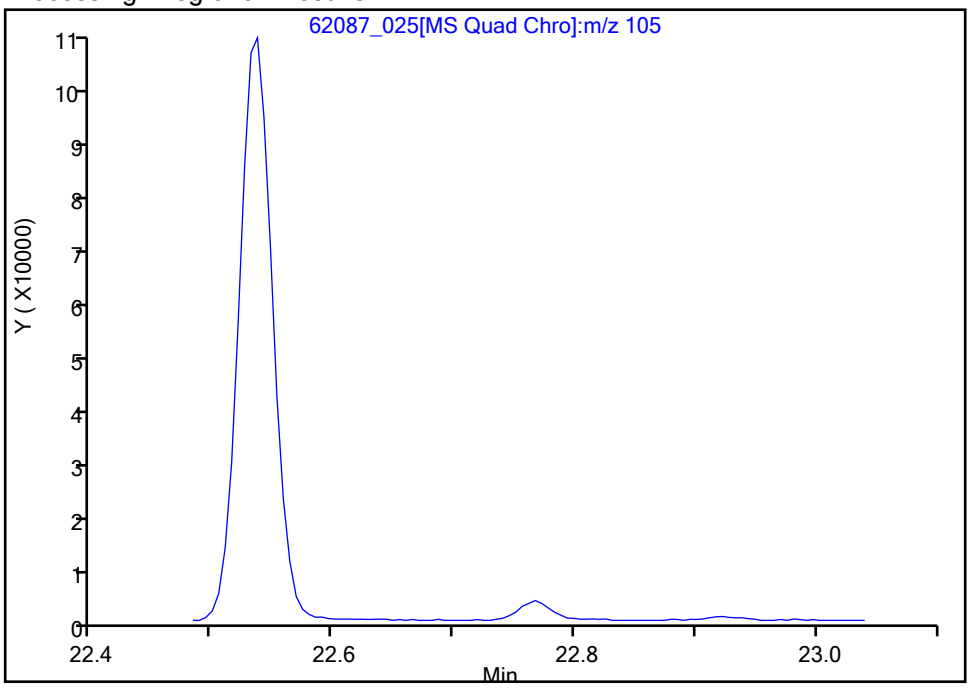
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

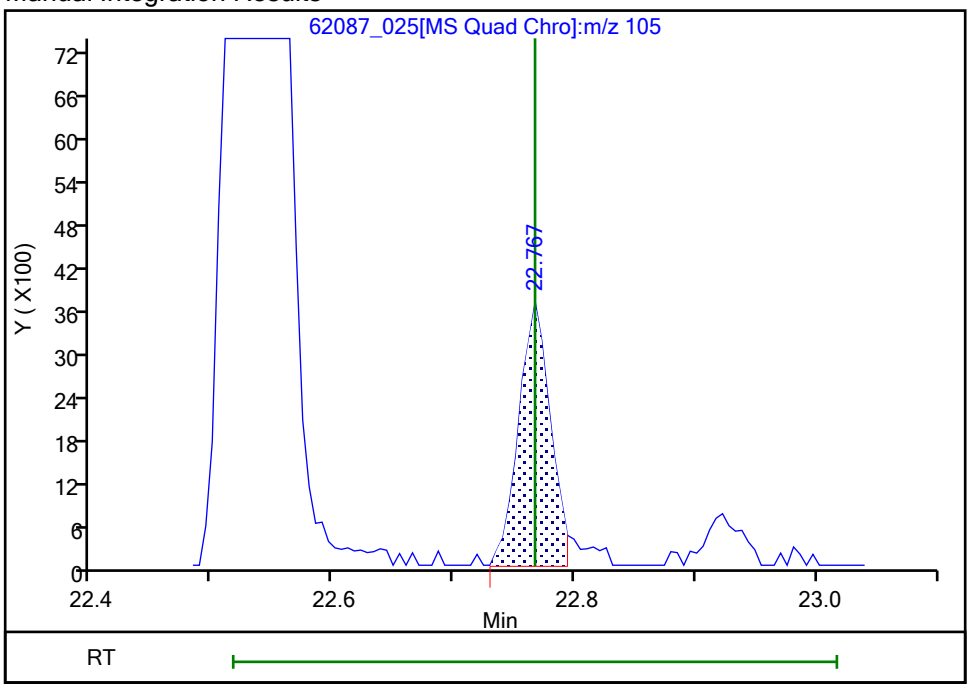
Not Detected
Expected RT: 22.77

Processing Integration Results



Manual Integration Results

RT: 22.77
Area: 6666
Amount: 0.020017
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:05:50 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

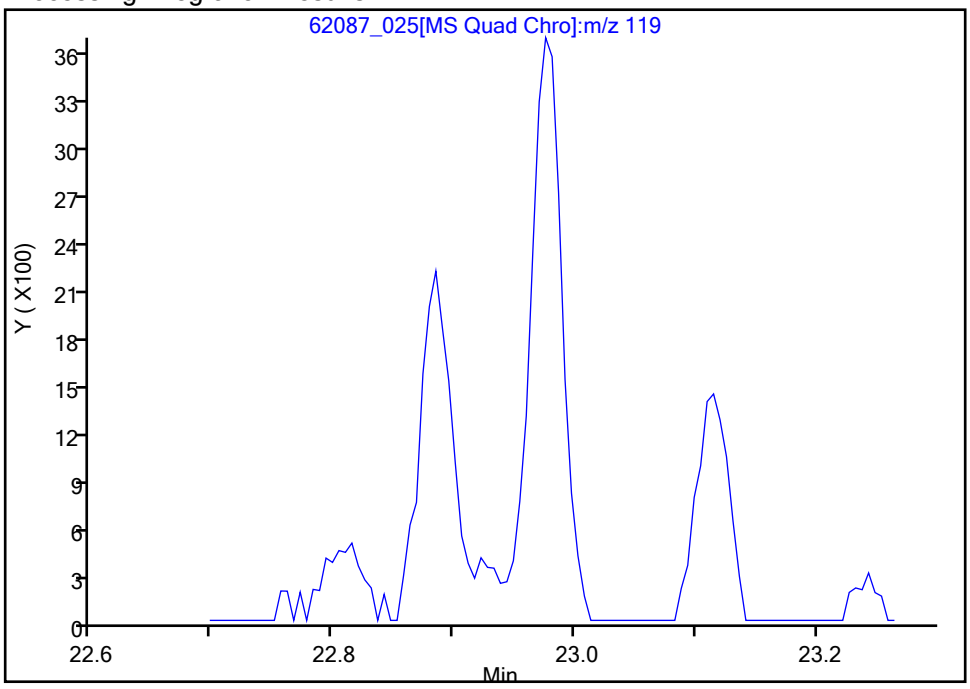
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

95 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

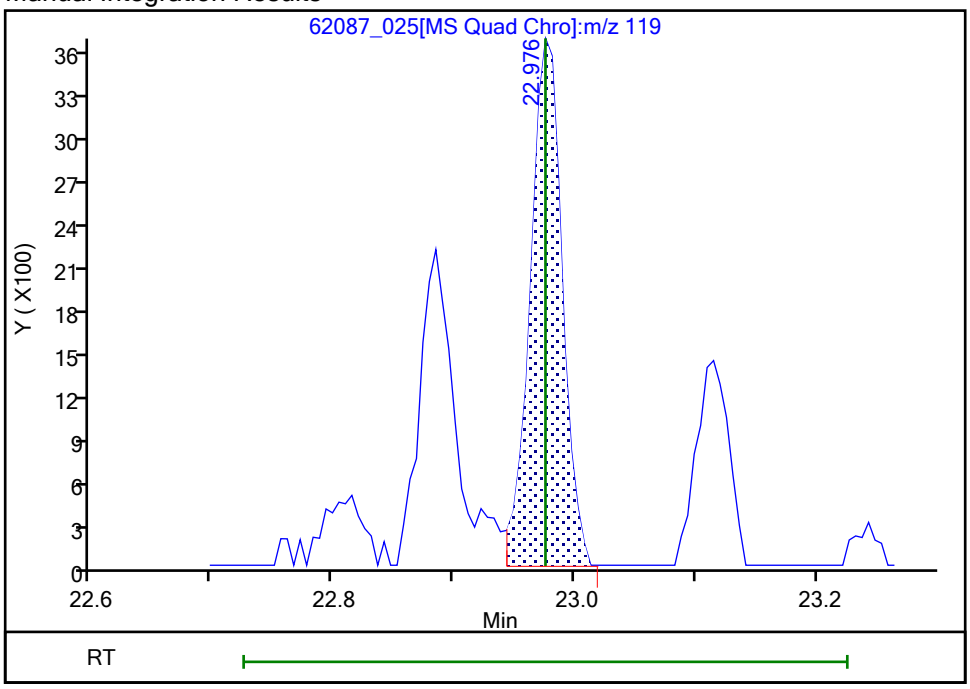
Not Detected
Expected RT: 22.98

Processing Integration Results



Manual Integration Results

RT: 22.98
Area: 6708
Amount: 0.024375
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:06:16 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

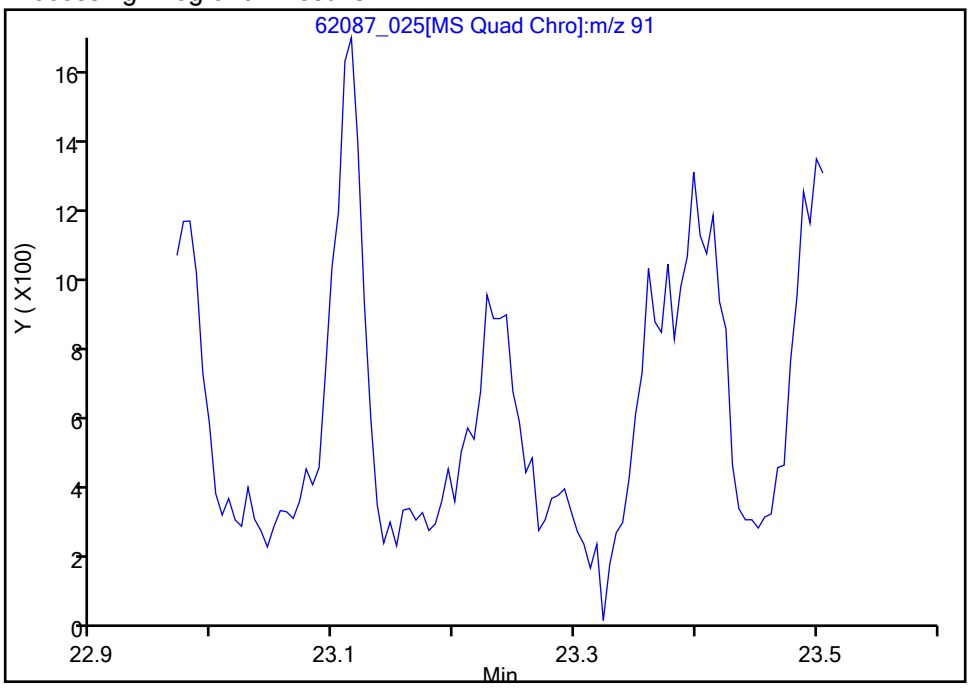
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Signal: 1

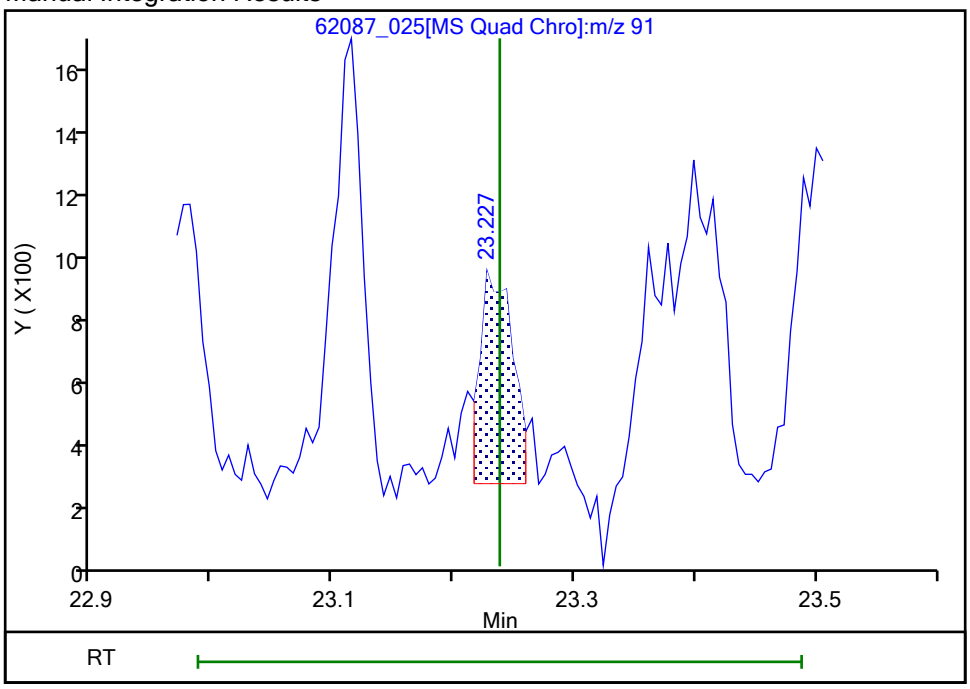
Not Detected
Expected RT: 23.24

Processing Integration Results



Manual Integration Results

RT: 23.23
Area: 1328
Amount: 0.006620
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:06:38 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

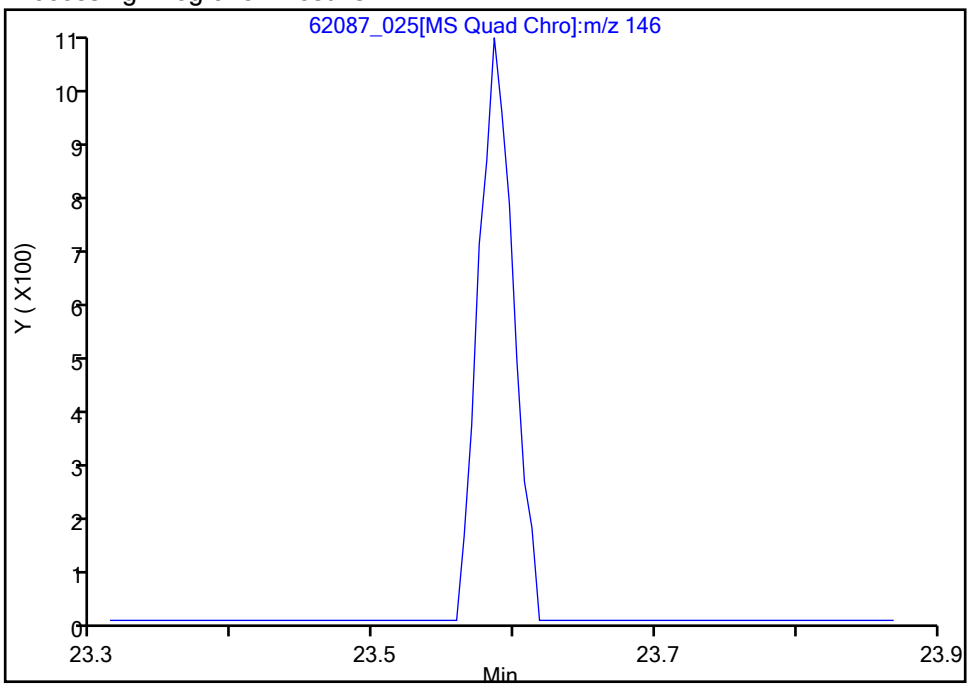
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_025.D				
Injection Date:	18-Sep-2024 04:02:41	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-7	Lab Sample ID:	200-75119-7		
Client ID:	RXSV-3				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

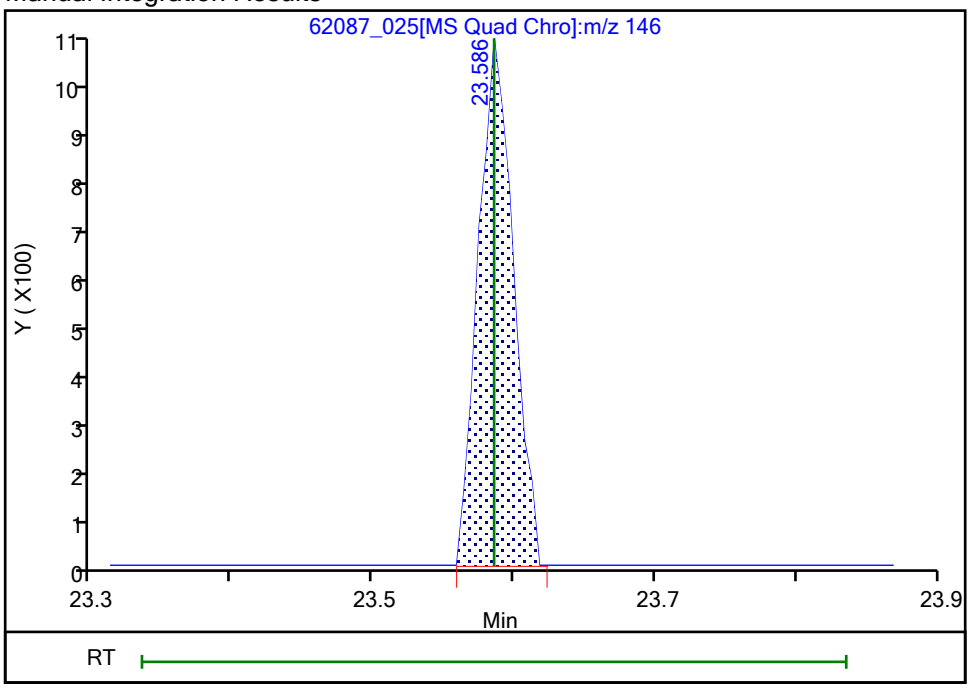
Not Detected
Expected RT: 23.59

Processing Integration Results



Manual Integration Results

RT: 23.59
Area: 1829
Amount: 0.012105
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:07:11 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-5 Lab Sample ID: 200-75119-8

Matrix: Air Lab File ID: 62087_026.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:09

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.4	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.56	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	0.82	J	1.0	0.31
106-97-8	n-Butane	58.12	1.3		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	27		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	7.0		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	7.9	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	3.2		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	1.8		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.20	J	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-5 Lab Sample ID: 200-75119-8

Matrix: Air Lab File ID: 62087_026.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:09

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	J	0.93	0.18
71-43-2	Benzene	78.11	0.87		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	1.4		0.82	0.23
79-01-6	Trichloroethene	131.39	0.15	J	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	0.40	J	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	2.0		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	42		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.64	J	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.42	J	0.87	0.30
179601-23-1	m,p-Xylene	106.17	1.3	J	2.2	0.41
95-47-6	o-Xylene	106.17	0.67	J	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.26	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.29	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.50	J	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-5 Lab Sample ID: 200-75119-8

Matrix: Air Lab File ID: 62087_026.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:09

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	1.7		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	3.1		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-5 Lab Sample ID: 200-75119-8

Matrix: Air Lab File ID: 62087_026.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:09

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.29	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.16	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.40	J	0.50	0.15
106-97-8	n-Butane	58.12	0.54		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	11		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	2.3		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	2.6	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.1		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.36		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.059	J	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-5 Lab Sample ID: 200-75119-8

Matrix: Air Lab File ID: 62087_026.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:09

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.044	J	0.20	0.038
71-43-2	Benzene	78.11	0.27		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.34		0.20	0.055
79-01-6	Trichloroethene	131.39	0.029	J	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	0.11	J	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.52		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	6.2		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.16	J	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.096	J	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.30	J	0.50	0.095
95-47-6	o-Xylene	106.17	0.15	J	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.053	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.060	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.10	J	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-5 Lab Sample ID: 200-75119-8

Matrix: Air Lab File ID: 62087_026.D

Analysis Method: TO-15 Date Collected: 09/13/2024 11:09

Sample wt/vol: 200(mL) Date Analyzed: 09/18/2024 04:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.35		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.52		0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D
Lims ID: 200-75119-A-8
Client ID: RXSV-5
Sample Type: Client
Inject. Date: 18-Sep-2024 04:54:00 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-026
Misc. Info.: 75119-8
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 16:48:21 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: F7XK Date: 18-Sep-2024 16:48:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.412	4.419	-0.005	99	38888	0.2914	
3 Chlorodifluoromethane	51	4.460	4.467	-0.005	96	11154	0.1571	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.794	-0.006	96	6444	0.0466	
5 Chloromethane	50	4.909	4.917	-0.006	99	15413	0.3978	
7 Butane	43	5.214	5.217	0.000	97	34037	0.5379	
6 Vinyl chloride	62		5.220				ND	
8 Butadiene	54	5.332	5.340	-0.005	19	708	0.0186	
9 Bromomethane	94		6.086				ND	
10 Chloroethane	64	6.359	6.362	0.000	86	1493	0.0558	
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101	6.953	6.956	0.000	98	34483	0.2415	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.075	0.000	89	5931	0.0496	
22 Acetone	43	8.141	8.128	0.016	97	821618	11.2	
23 Isopropyl alcohol	45	8.451	8.439	0.016	100	54263	0.6460	
24 Carbon disulfide	76	8.440	8.444	0.000	99	353034	2.26	
26 3-Chloro-1-propene	41		8.745				ND	MU
27 Methylene Chloride	49		8.986				ND	7
28 2-Methyl-2-propanol	59	9.232	9.220	0.016	99	249564	2.59	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73		9.483				ND	
32 Hexane	57	9.992	9.996	0.000	92	8672	0.1029	
33 1,1-Dichloroethane	63		10.270				ND	7
36 2-Butanone (MEK)	72	11.270	11.265	0.010	98	30116	1.09	
37 cis-1,2-Dichloroethene	96		11.281				ND	
* 39 Chlorobromomethane	128	11.698	11.693	0.005	89	310532	10.0	
40 Tetrahydrofuran	42		11.730				ND	7
41 Chloroform	83	11.880	11.880	0.005	96	43747	0.3644	
42 1,1,1-Trichloroethane	97	12.174	12.174	0.000	45	2733	0.0234	
43 Cyclohexane	84	12.303	12.303	0.000	93	4297	0.0593	M
44 Carbon tetrachloride	117	12.453	12.447	0.005	70	1537	0.0128	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	12.811	12.806	0.005	95	46327	0.2721	
46 1,2-Dichloroethane	62		12.891				ND	
47 Isooctane	57	13.009	13.009	0.000	94	11600	0.0439	
48 n-Heptane	43	13.319	13.319	0.000	94	32973	0.3438	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	95	1474159	10.0	
51 Trichloroethene	95	13.972	13.972	-0.005	92	2289	0.0288	M
53 1,2-Dichloropropane	63		14.448				ND	
54 Methyl methacrylate	69		14.528				ND	MU
55 1,4-Dioxane	88	14.603	14.576	0.027	88	3564	0.1097	
58 Dichlorobromomethane	83		14.919				ND	
59 cis-1,3-Dichloropropene	75		15.721				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.994	15.994	0.005	96	7022	0.0601	7M
62 Toluene	92	16.358	16.362	0.000	93	61447	0.5191	
66 trans-1,3-Dichloropropene	75		16.781				ND	MU
67 1,1,2-Trichloroethane	83		17.160				ND	MU
68 Tetrachloroethene	166	17.348	17.347	0.006	97	609500	6.19	
69 2-Hexanone	43	17.583	17.577	0.011	94	16862	0.1569	
70 Chlorodibromomethane	129		17.899				ND	
71 Ethylene Dibromide	107		18.134				ND	
* 73 Chlorobenzene-d5	117	19.049	19.043	0.006	86	1309573	10.0	
74 Chlorobenzene	112		19.102				ND	7
75 Ethylbenzene	91	19.295	19.295	0.005	98	25115	0.0965	
76 m-Xylene & p-Xylene	106	19.541	19.557	-0.011	0	29742	0.3026	
78 o-Xylene	106	20.322	20.328	0.000	99	14573	0.1535	
79 Styrene	104	20.359	20.359	0.005	97	8247	0.0534	M
81 Bromoform	173		20.697				ND	
82 Isopropylbenzene	105		20.991				ND	MU
83 1,1,2,2-Tetrachloroethane	83		21.510				ND	MU
85 N-Propylbenzene	91	21.692	21.692	0.006	98	17823	0.0527	
86 2-Chlorotoluene	91		21.836				ND	MU
87 4-Ethyltoluene	105	21.879	21.885	0.000	98	16275	0.0600	
88 1,3,5-Trimethylbenzene	105	21.975	21.976	0.005	92	23365	0.1025	
91 tert-Butylbenzene	119		22.446				ND	MU
92 1,2,4-Trimethylbenzene	105	22.537	22.538	0.005	94	79754	0.3469	
93 sec-Butylbenzene	105	22.767	22.773	0.000	96	4132	0.0125	
94 1,3-Dichlorobenzene	146	22.943	22.950	0.000	98	81501	0.5162	
95 4-Isopropyltoluene	119	22.976	22.982	0.000	95	6327	0.0232	
96 1,4-Dichlorobenzene	146	23.083	23.089	0.000	92	4618	0.0293	
97 Benzyl chloride	91	23.232	23.244	-0.006	96	2665	0.0134	
98 n-Butylbenzene	91		23.543				ND	7
99 1,2-Dichlorobenzene	146		23.585				ND	MU
102 1,2,4-Trichlorobenzene	180		26.084				ND	MU
103 Hexachlorobutadiene	225		26.330				ND	
104 Naphthalene	128	26.587	26.589	0.006	98	7270	0.0336	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

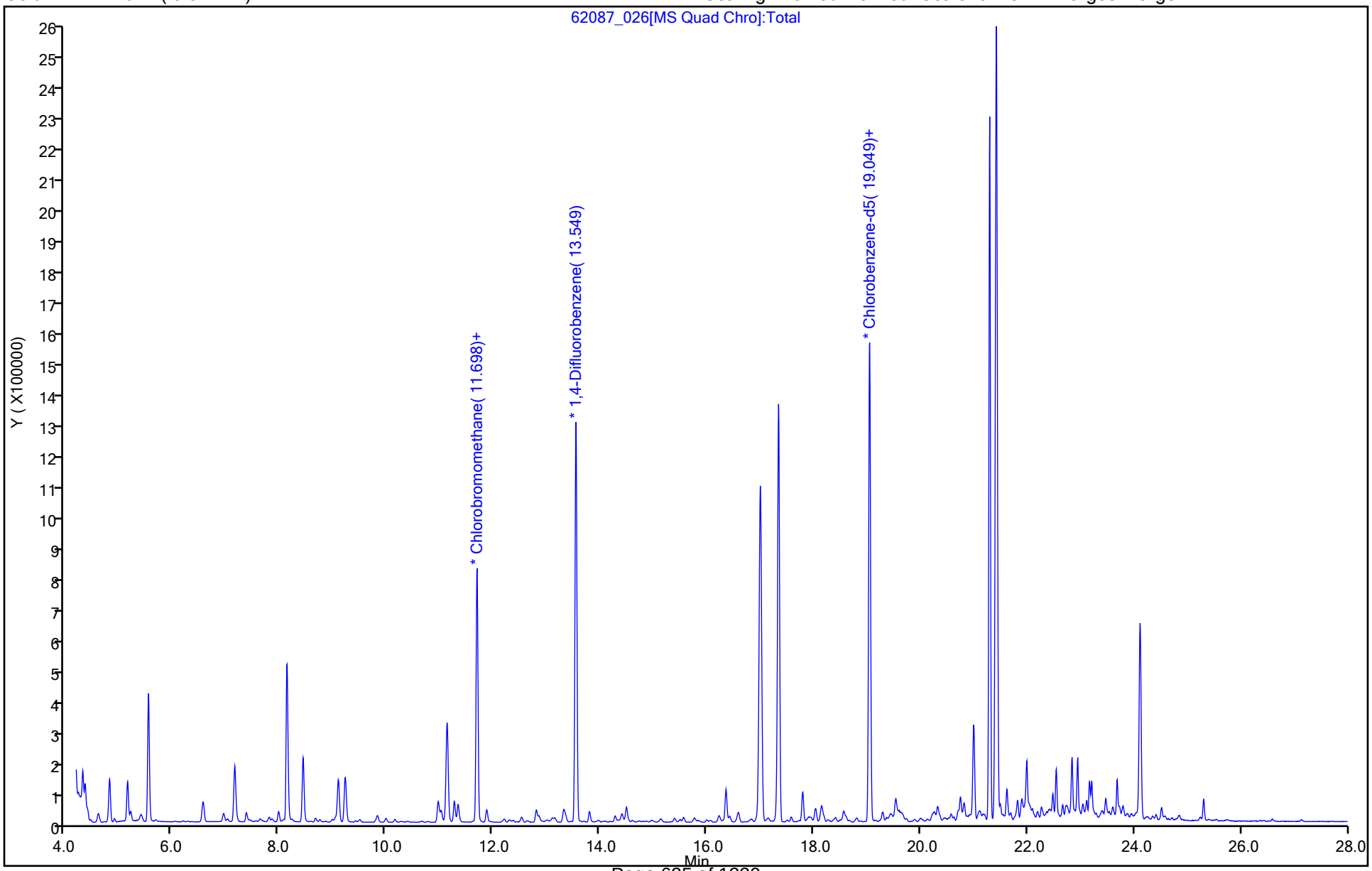
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 16:48:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8	Worklist Smp#:	26
Client ID:	RXSV-5				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



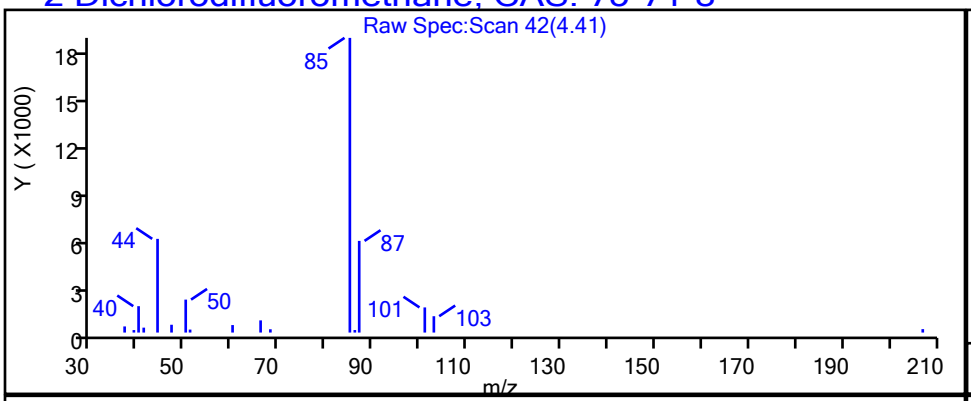
Report Date: 18-Sep-2024 16:48:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

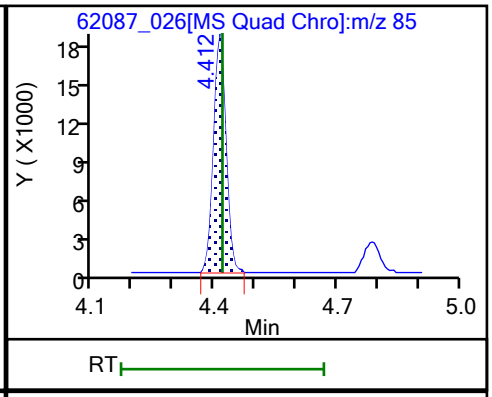
Eurofins Burlington

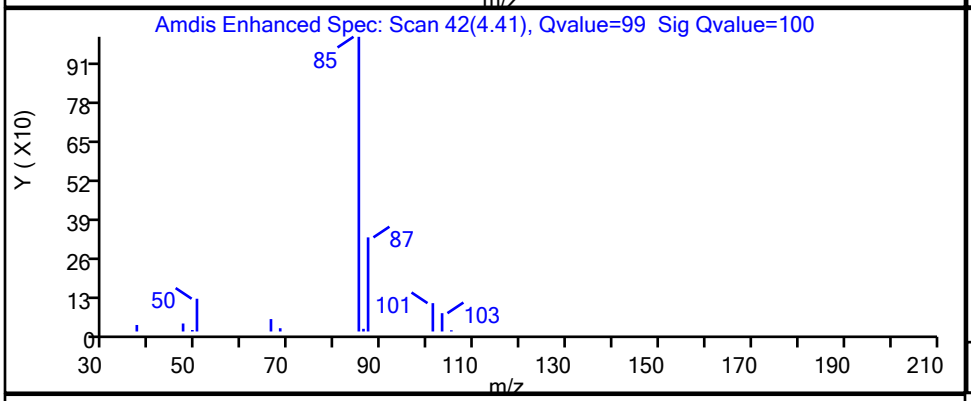
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

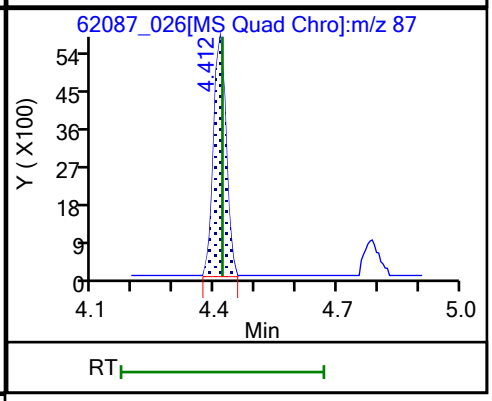
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

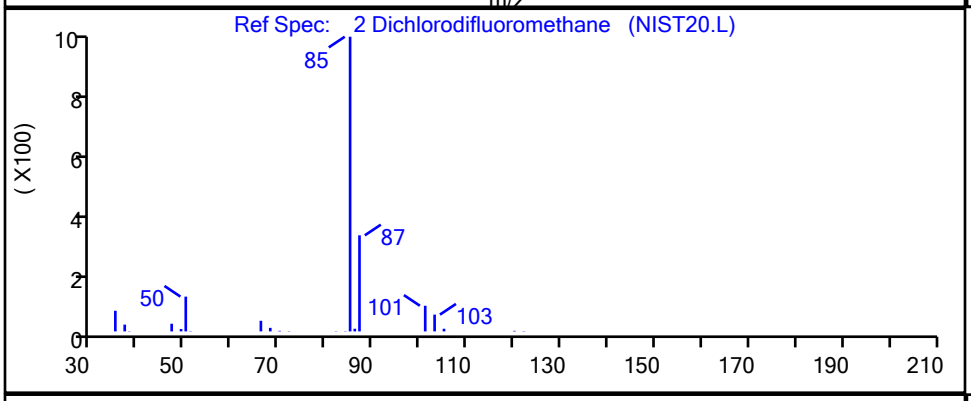
2 Dichlorodifluoromethane, CAS: 75-71-8

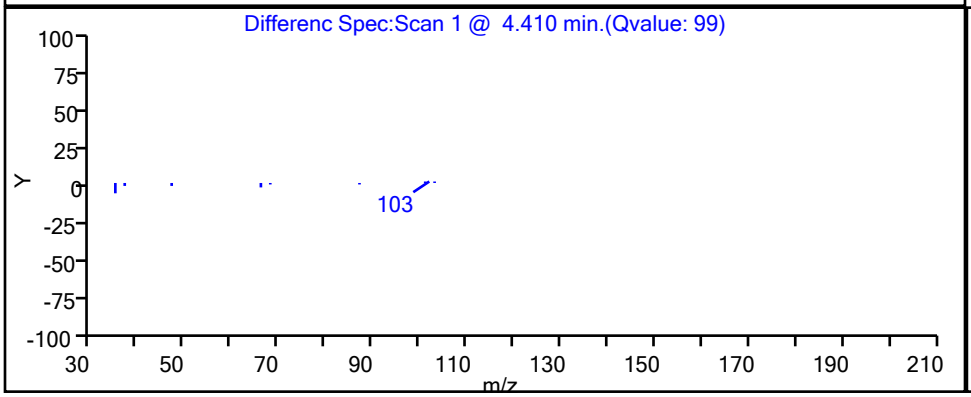


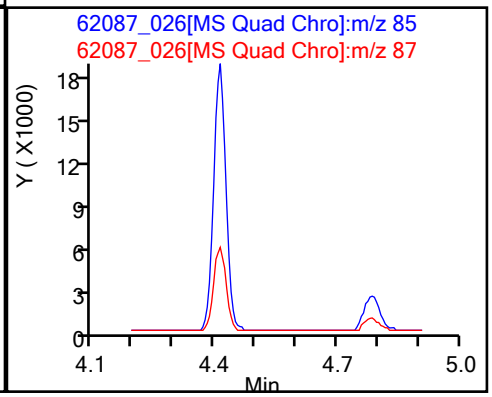












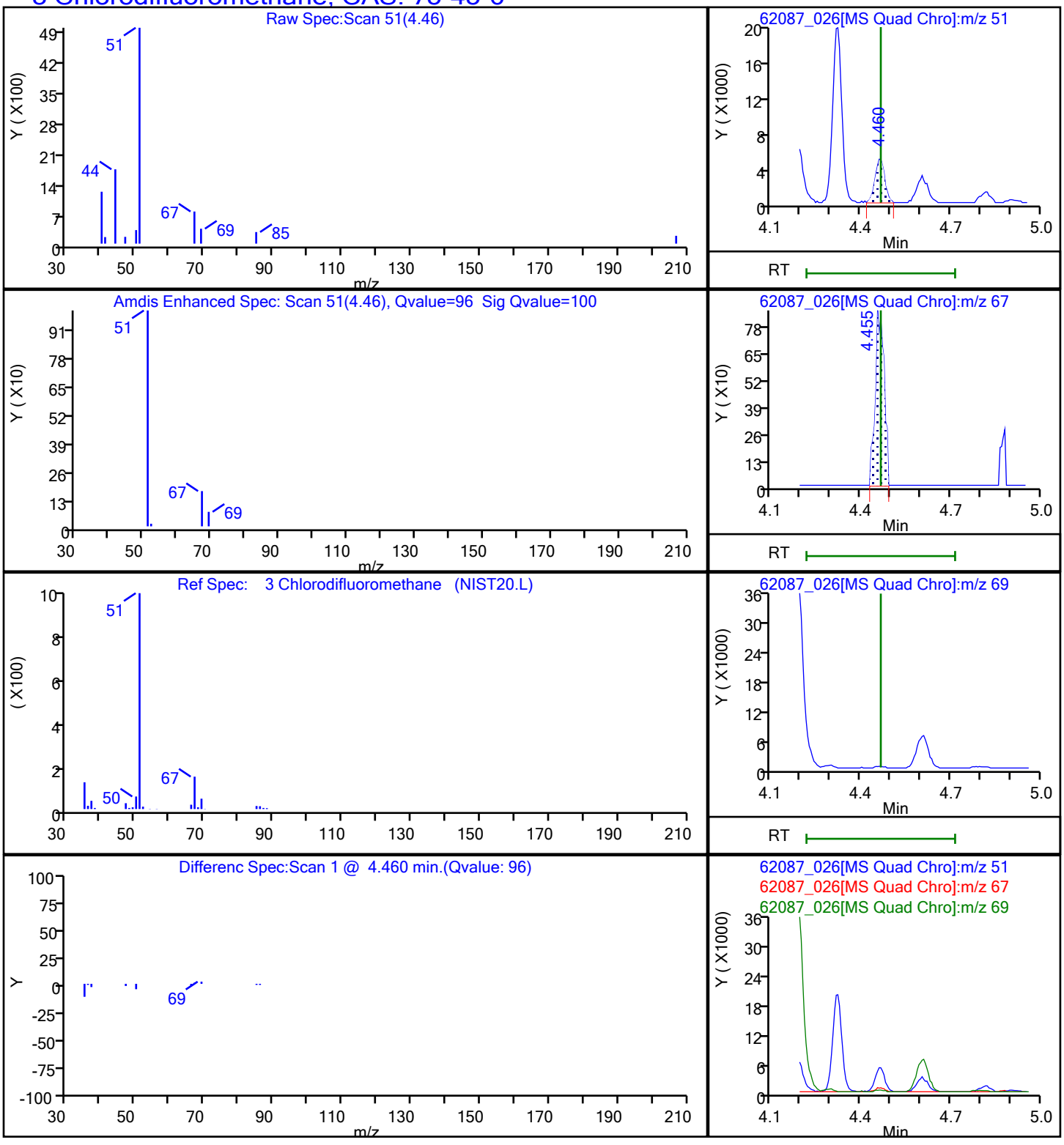
Report Date: 18-Sep-2024 16:48:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



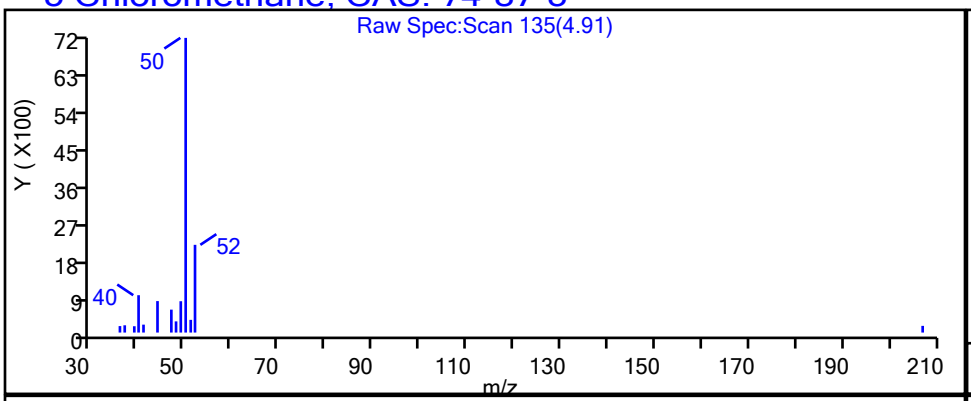
Report Date: 18-Sep-2024 16:48:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

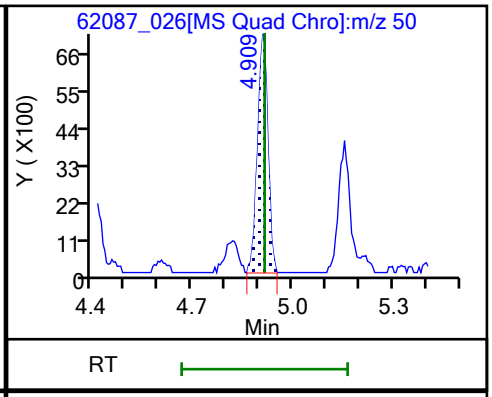
Eurofins Burlington

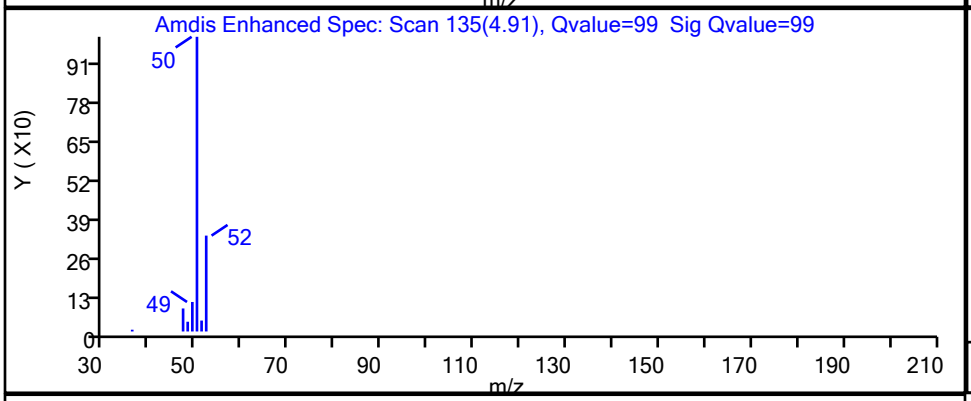
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

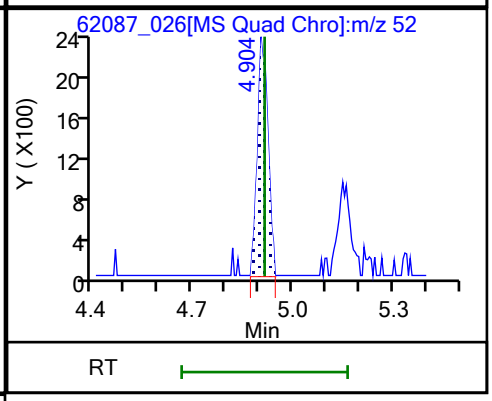
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

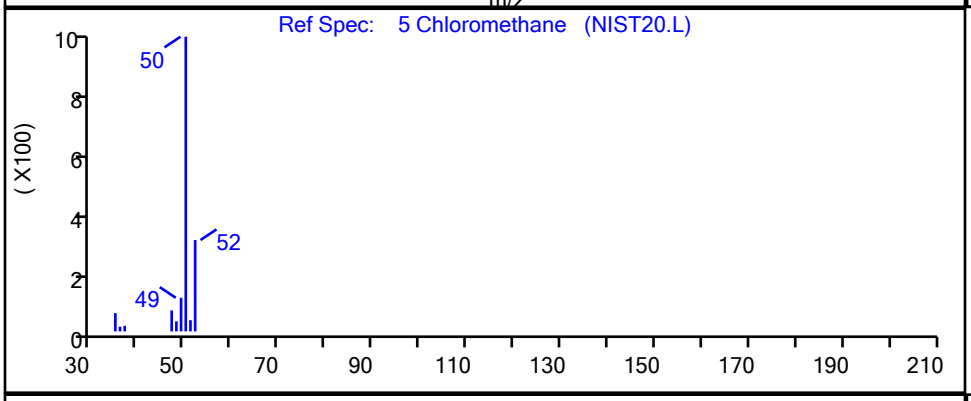
5 Chloromethane, CAS: 74-87-3

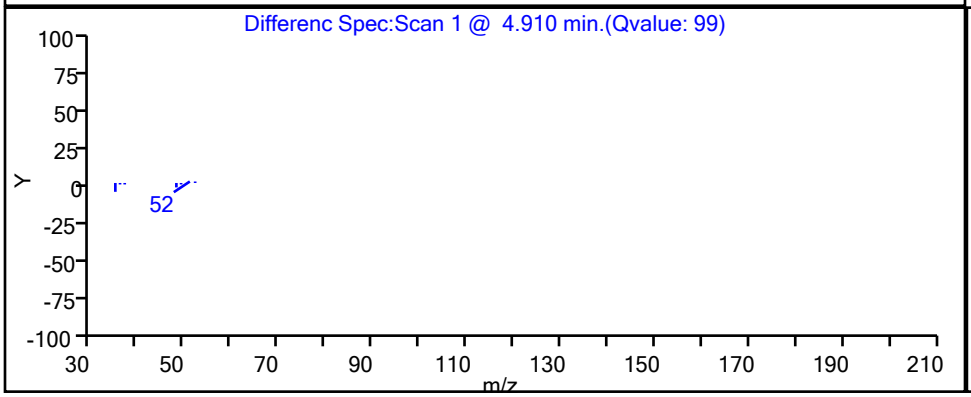


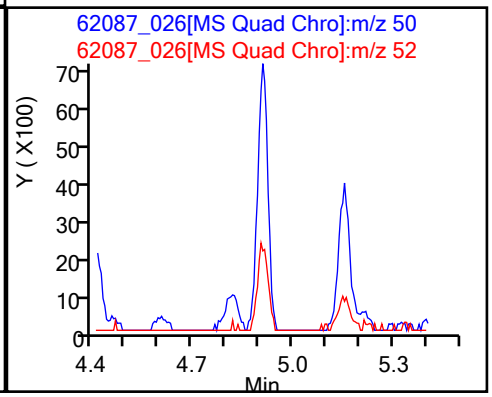












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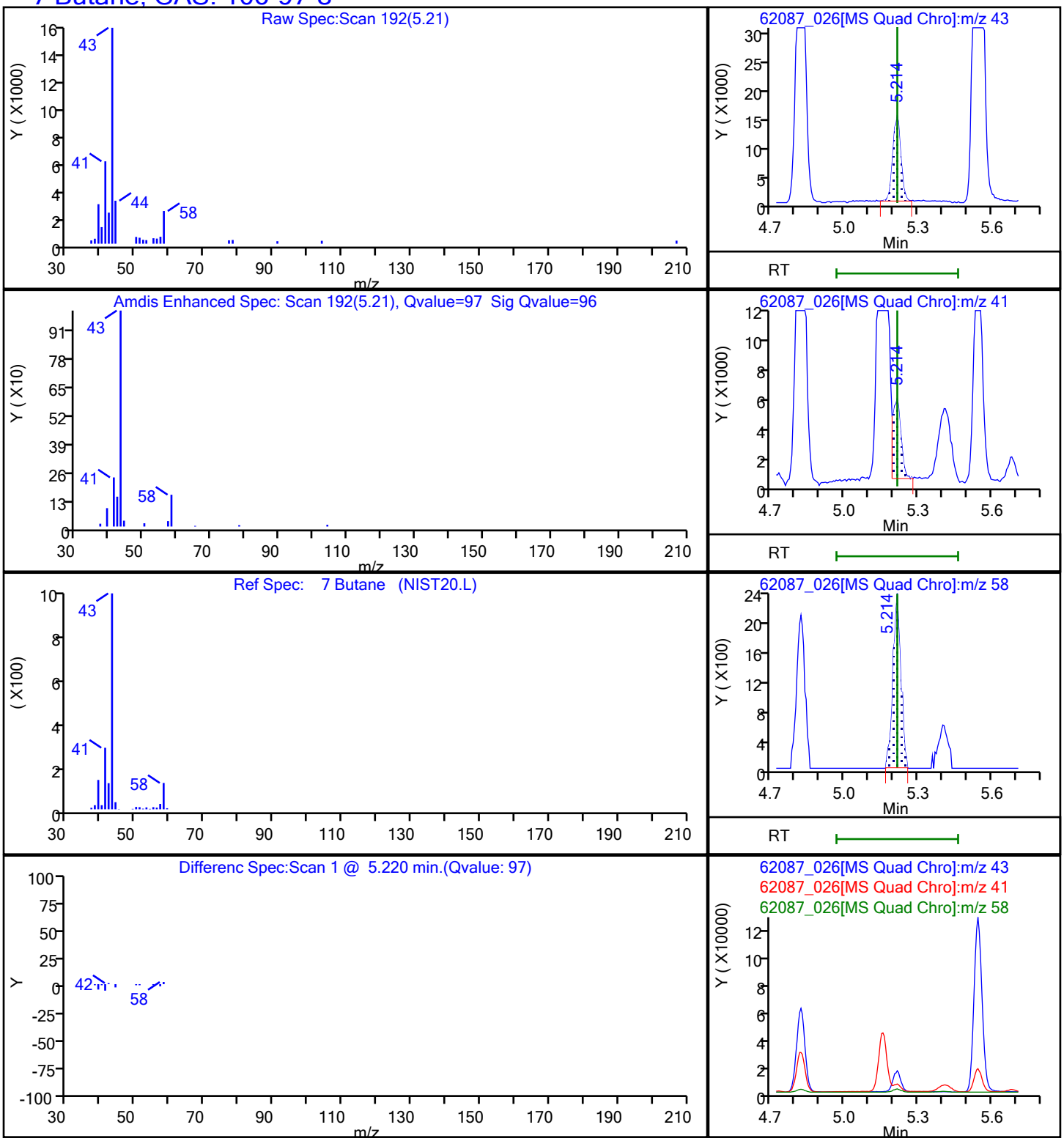
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8



Report Date: 18-Sep-2024 16:48:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

Injection Date: 18-Sep-2024 04:54:00 Instrument ID: CHAM.i

Lims ID: 200-75119-A-8 Lab Sample ID: 200-75119-8

Client ID: RXSV-5

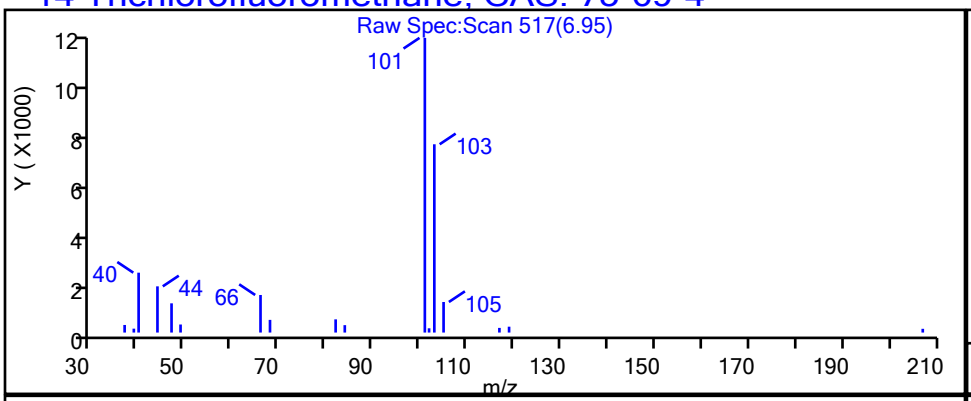
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 26

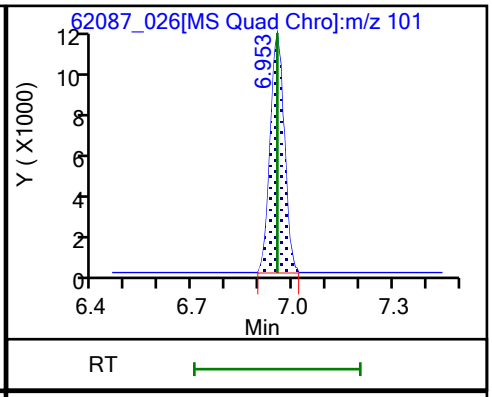
Purge Vol: 200.000 mL Dil. Factor: 1.0000

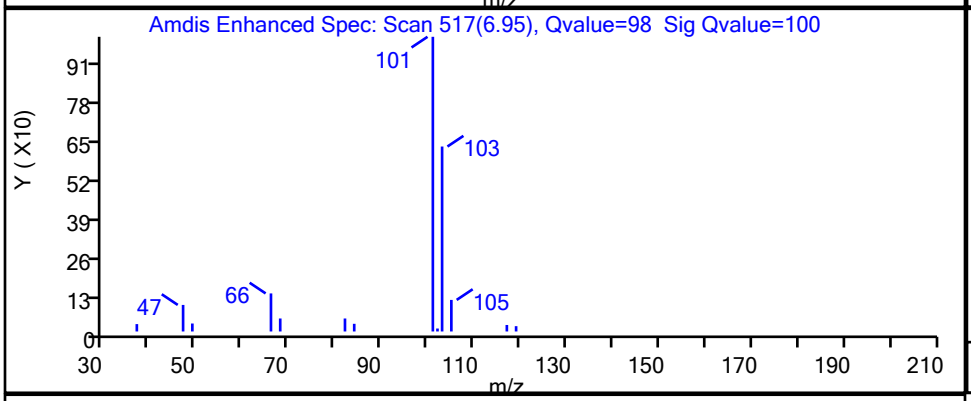
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

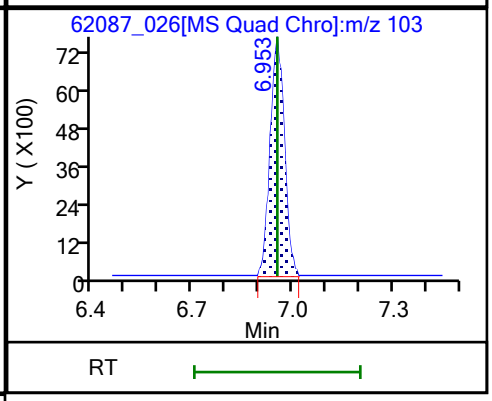
Column: RTX-624 (0.32 mm) Detector MS SCAN

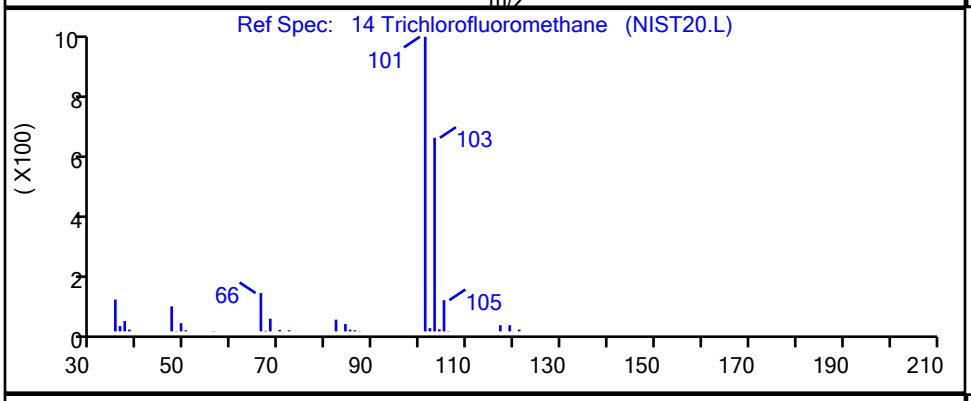
14 Trichlorofluoromethane, CAS: 75-69-4

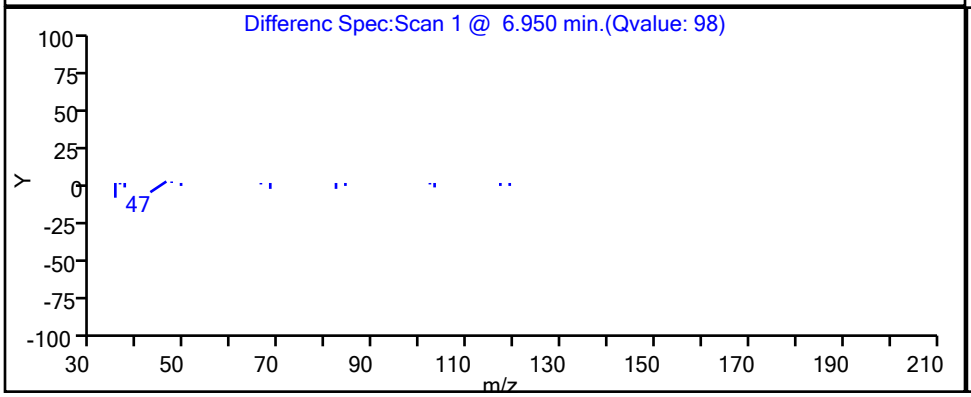


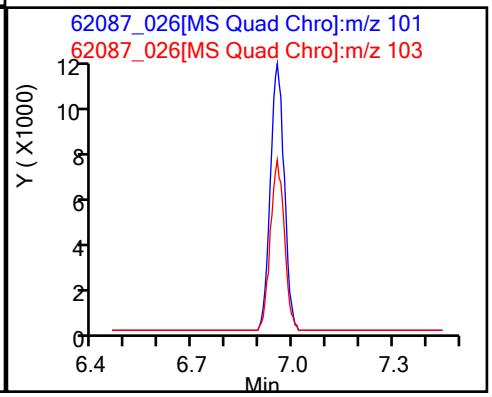












Report Date: 18-Sep-2024 16:48:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

Injection Date: 18-Sep-2024 04:54:00 Instrument ID: CHAM.i

Lims ID: 200-75119-A-8 Lab Sample ID: 200-75119-8

Client ID: RXSV-5

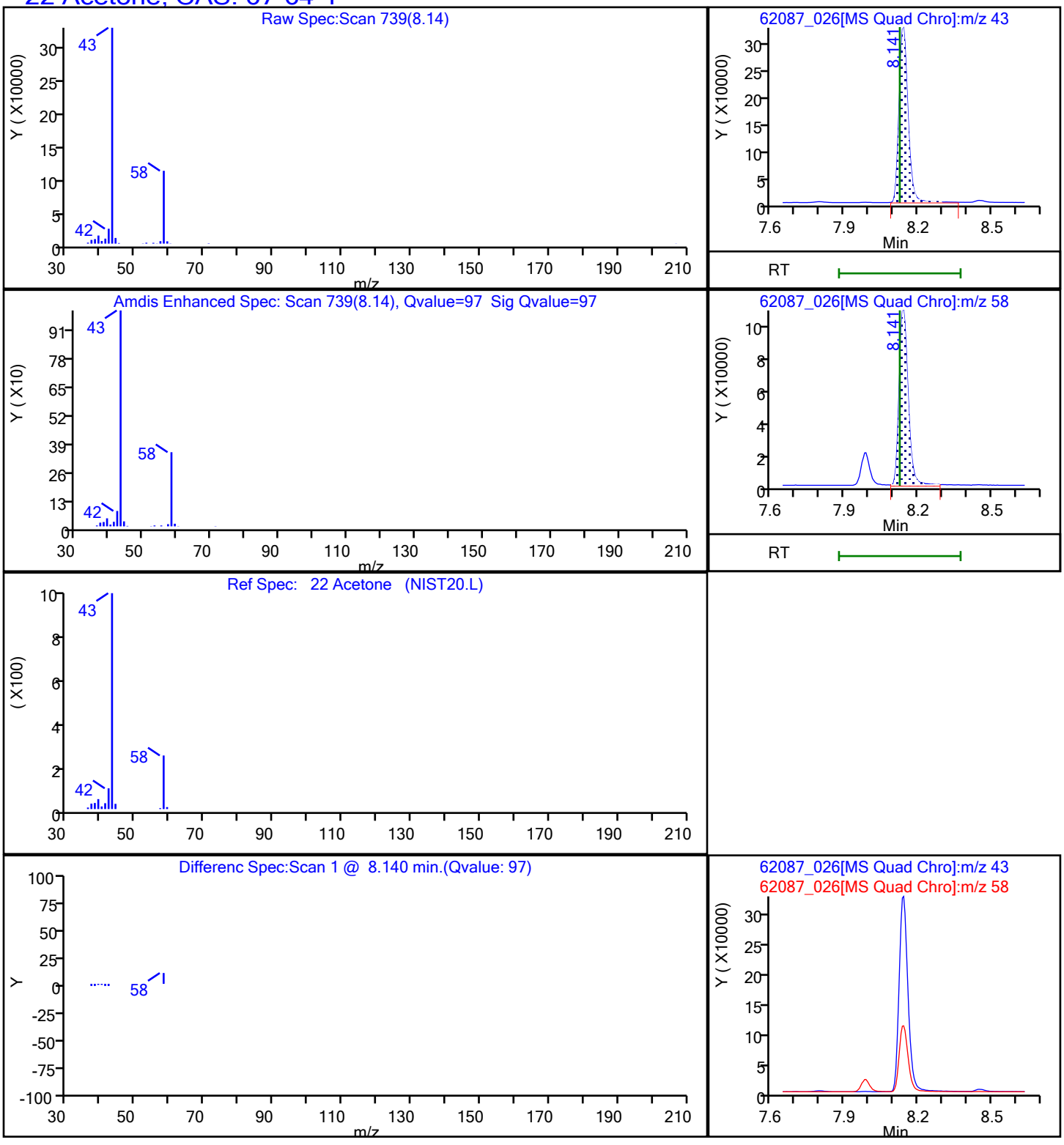
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 26

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1

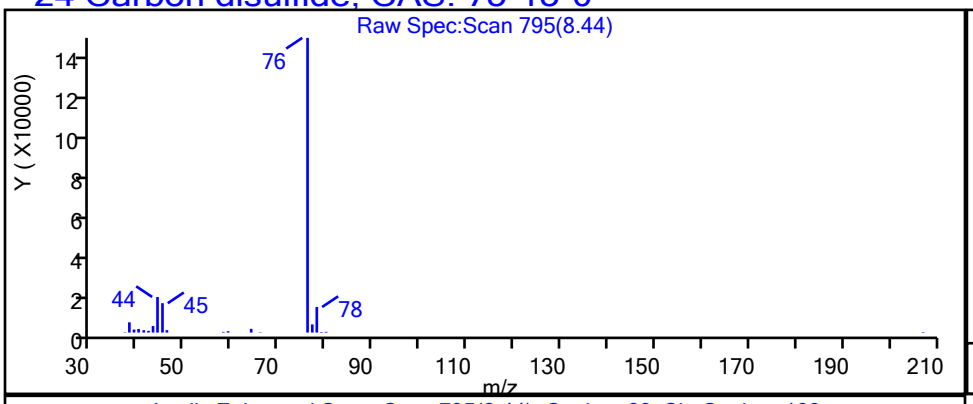


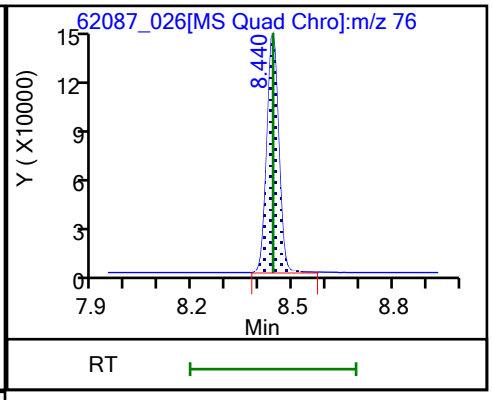
Report Date: 18-Sep-2024 16:48:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

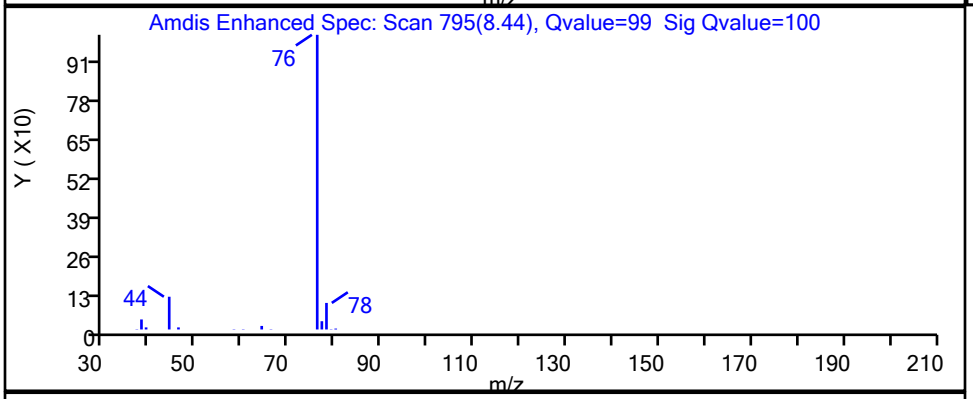
Eurofins Burlington

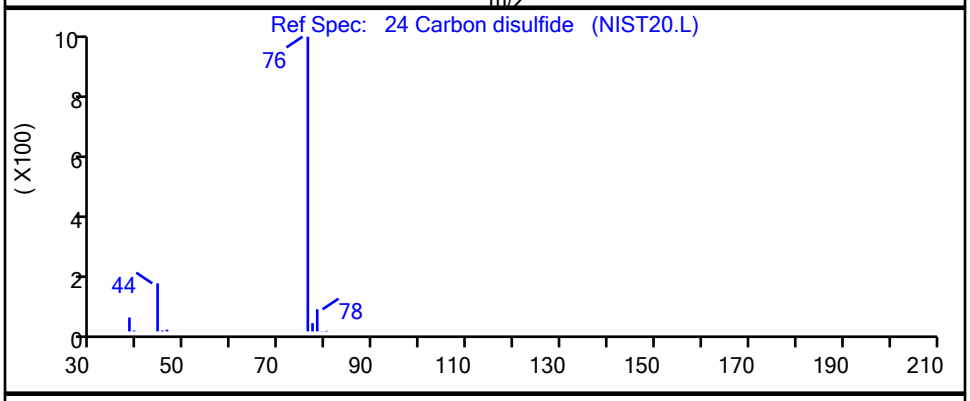
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

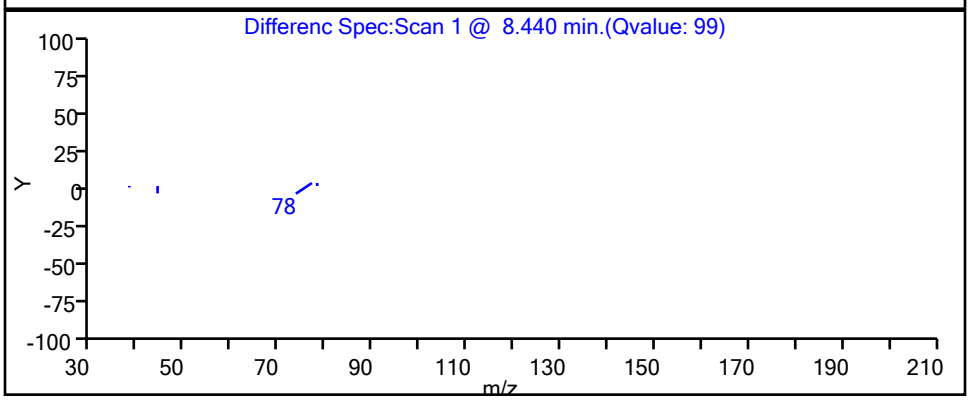
24 Carbon disulfide, CAS: 75-15-0











Report Date: 18-Sep-2024 16:48:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

Injection Date: 18-Sep-2024 04:54:00 Instrument ID: CHAM.i

Lims ID: 200-75119-A-8 Lab Sample ID: 200-75119-8

Client ID: RXSV-5

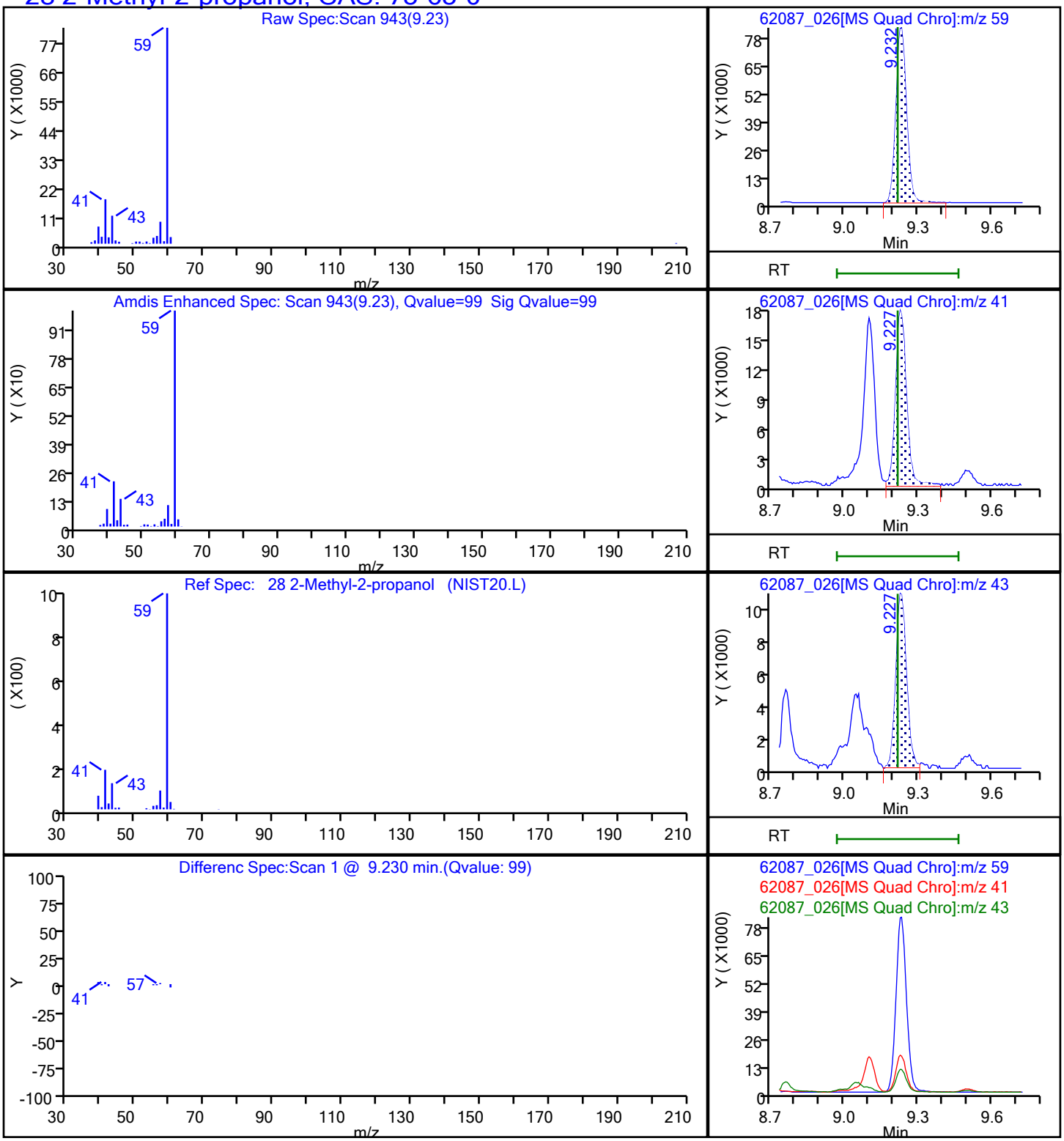
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 26

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0



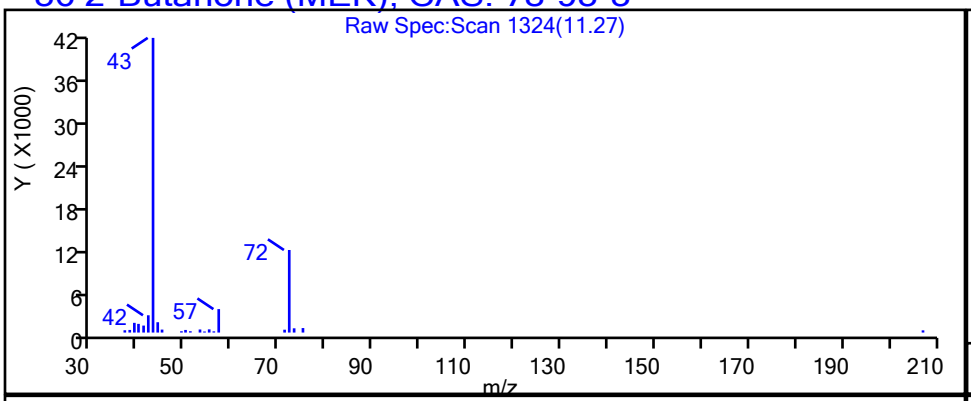
Report Date: 18-Sep-2024 16:48:21 Chrom Revision: 2.3 26-Aug-2024 17:14:48

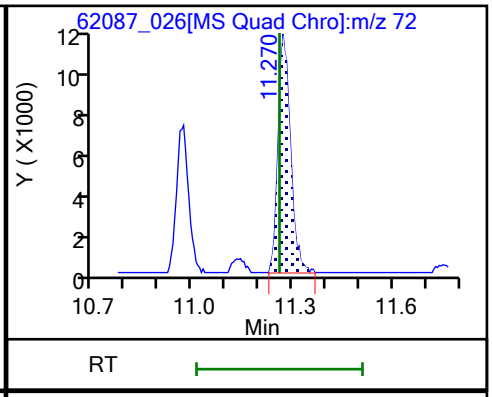
Eurofins Burlington

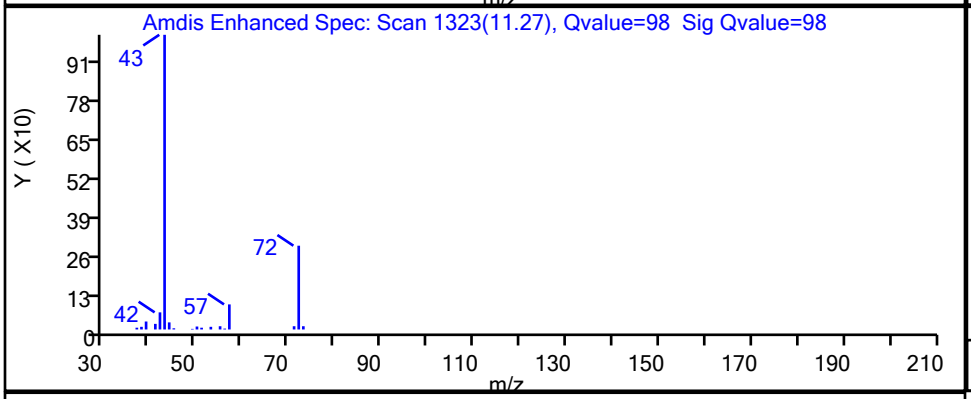
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

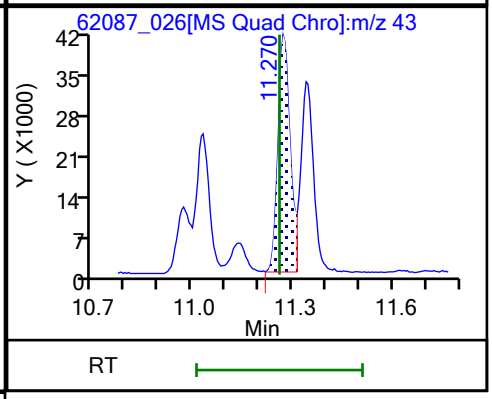
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

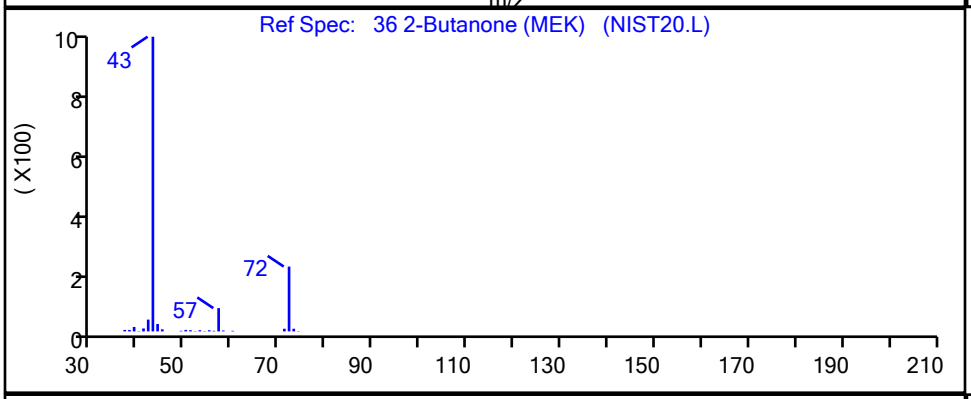
36 2-Butanone (MEK), CAS: 78-93-3

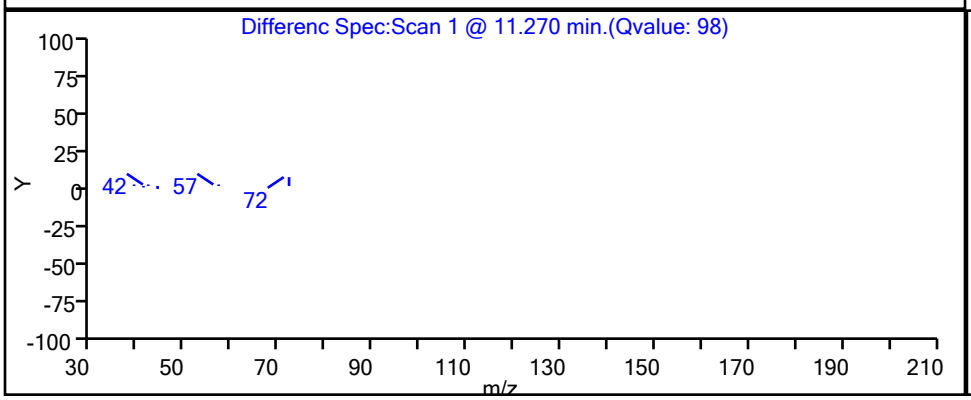


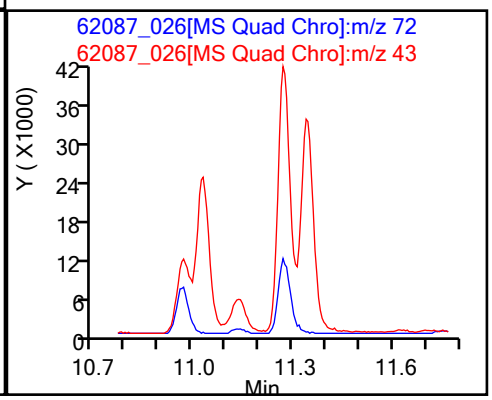












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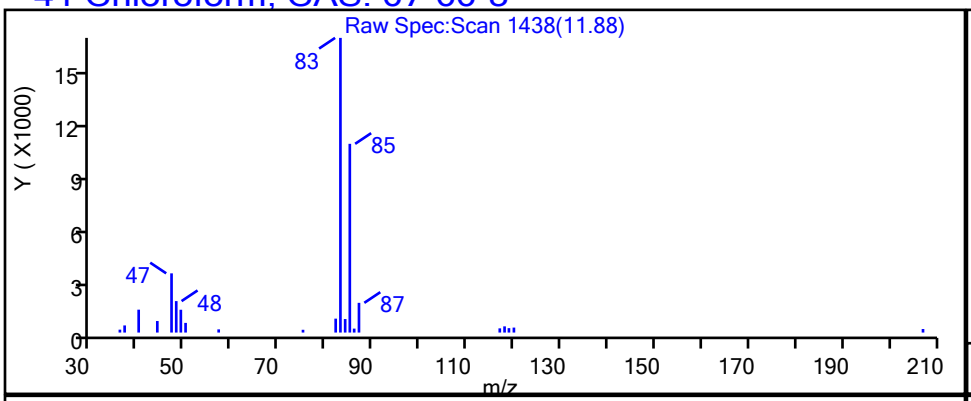
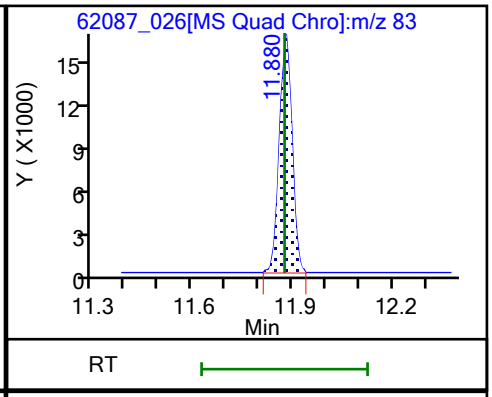
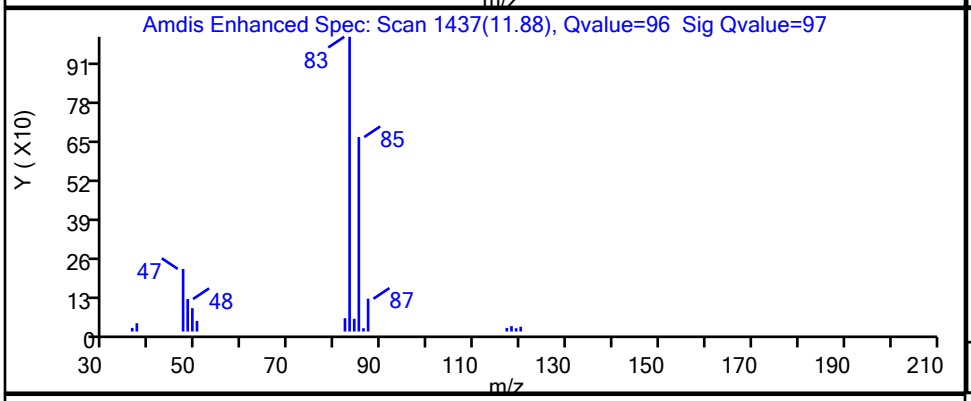
Eurofins Burlington

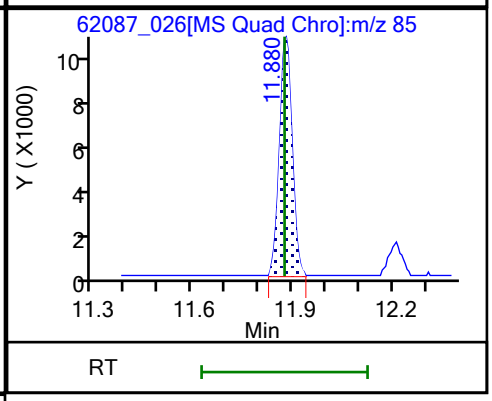
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

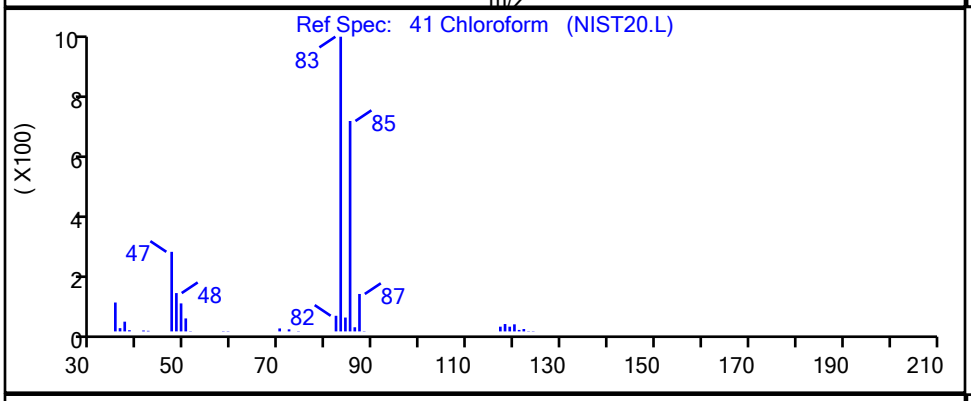
41 Chloroform, CAS: 67-66-3

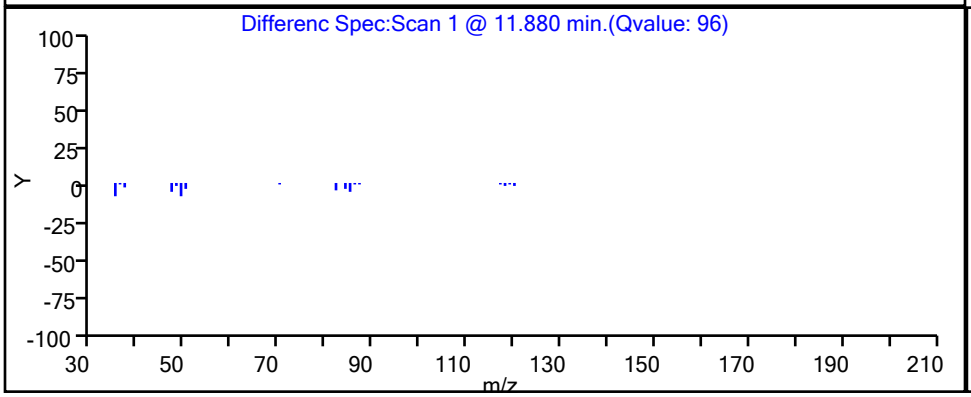


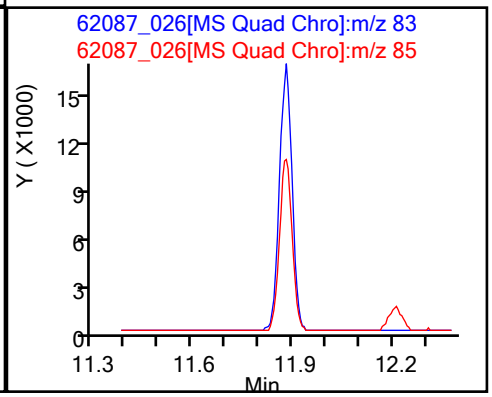










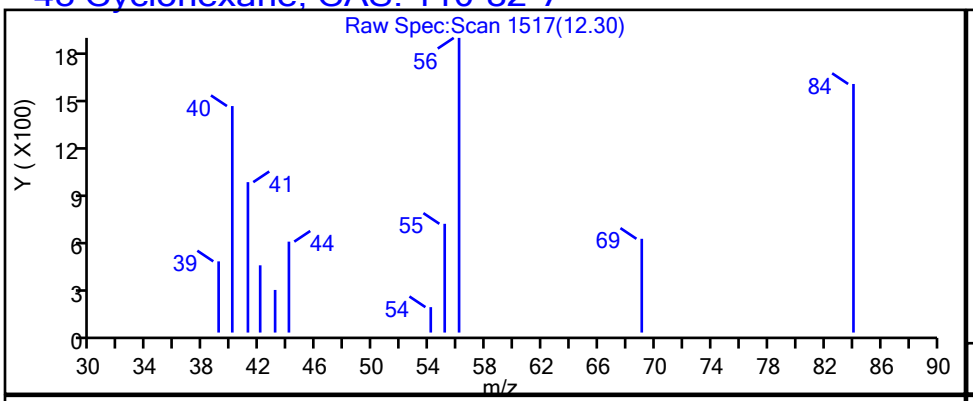


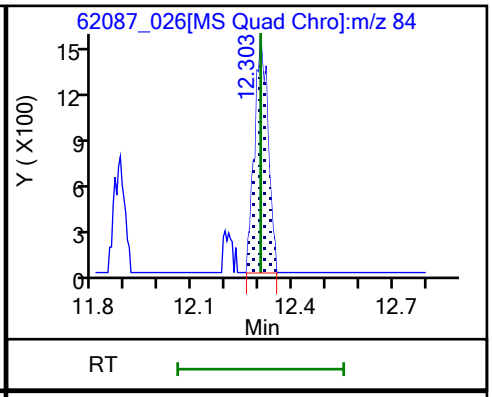
Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

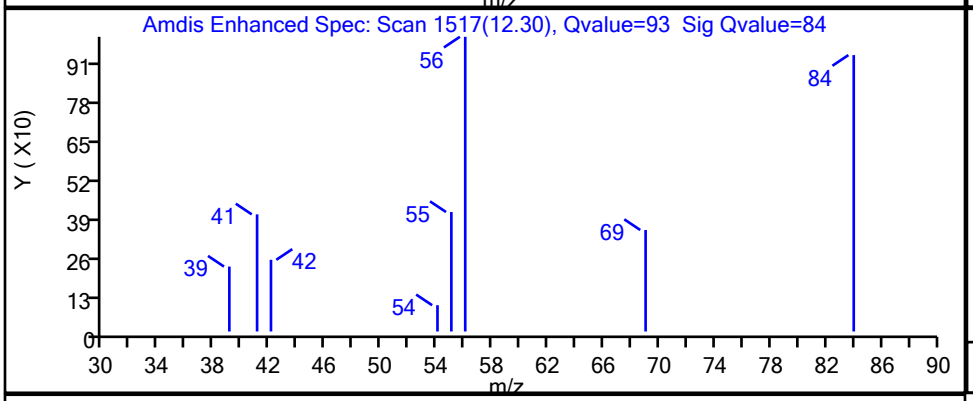
Eurofins Burlington

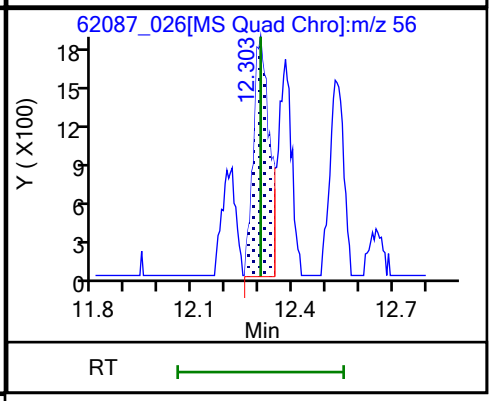
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

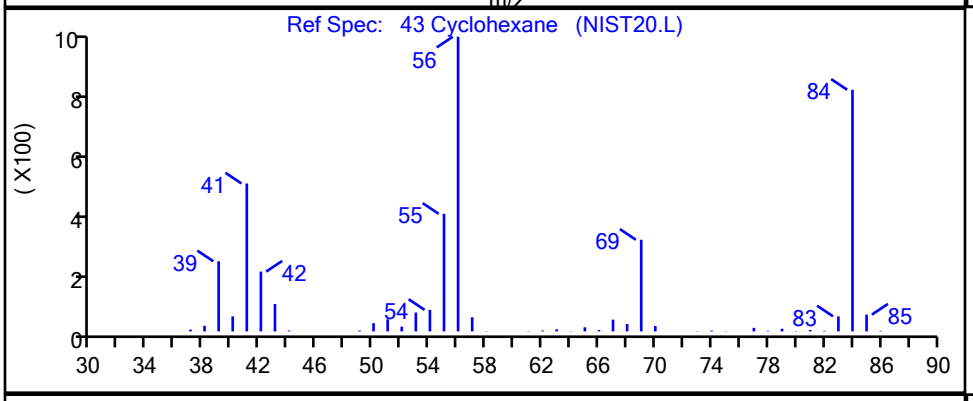
43 Cyclohexane, CAS: 110-82-7

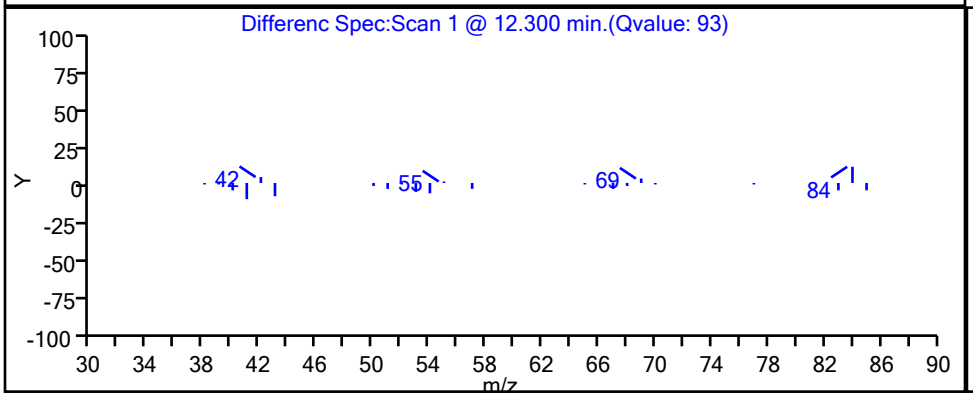


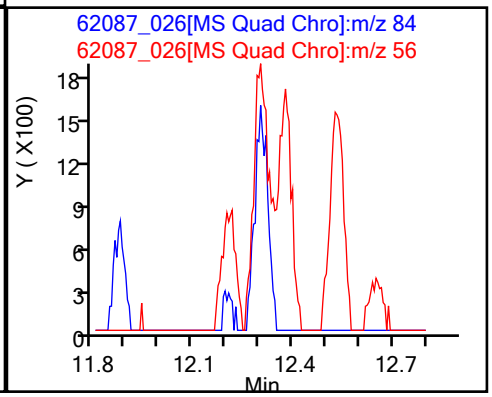










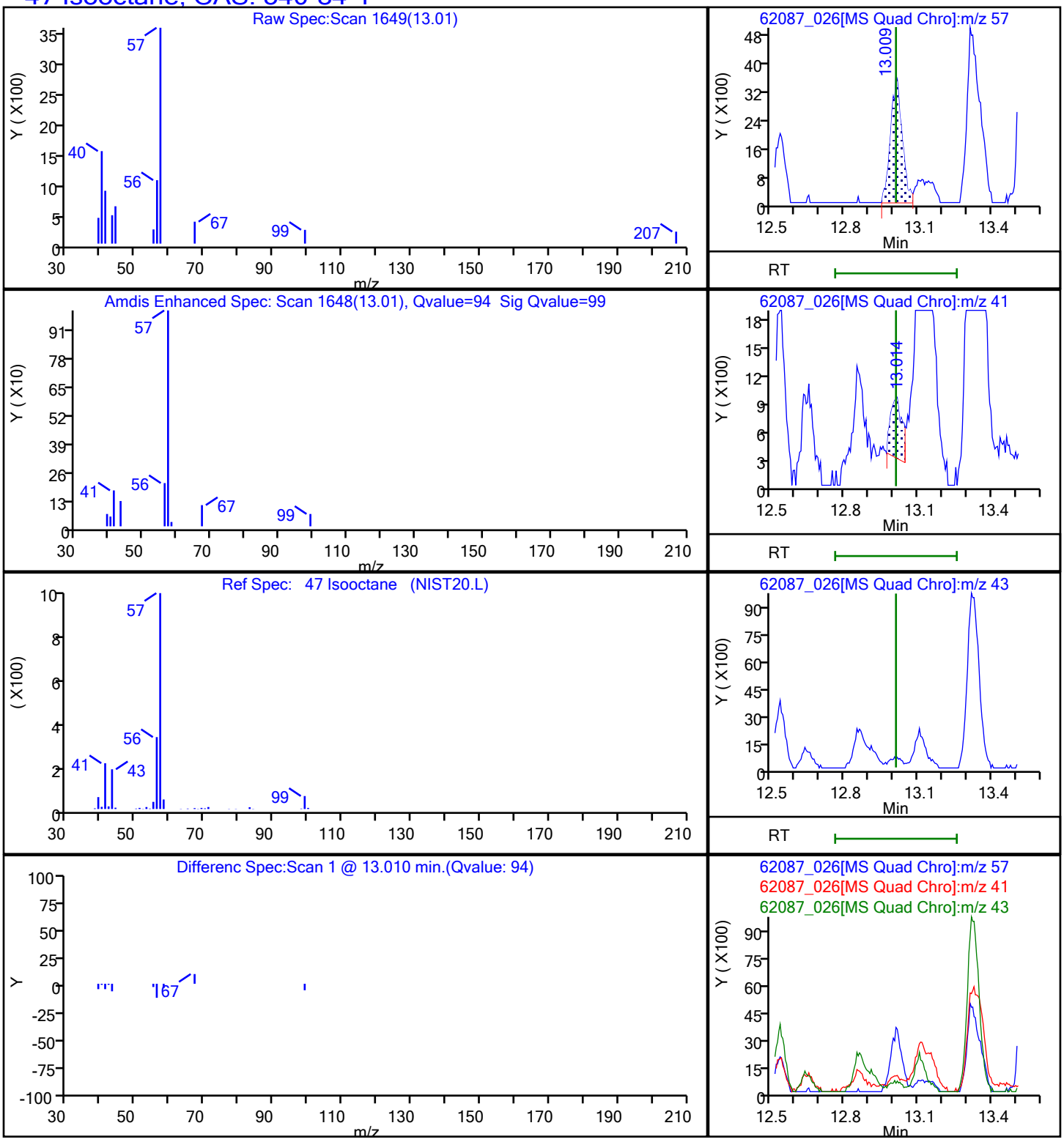


Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1



Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

Injection Date: 18-Sep-2024 04:54:00 Instrument ID: CHAM.i

Lims ID: 200-75119-A-8 Lab Sample ID: 200-75119-8

Client ID: RXSV-5

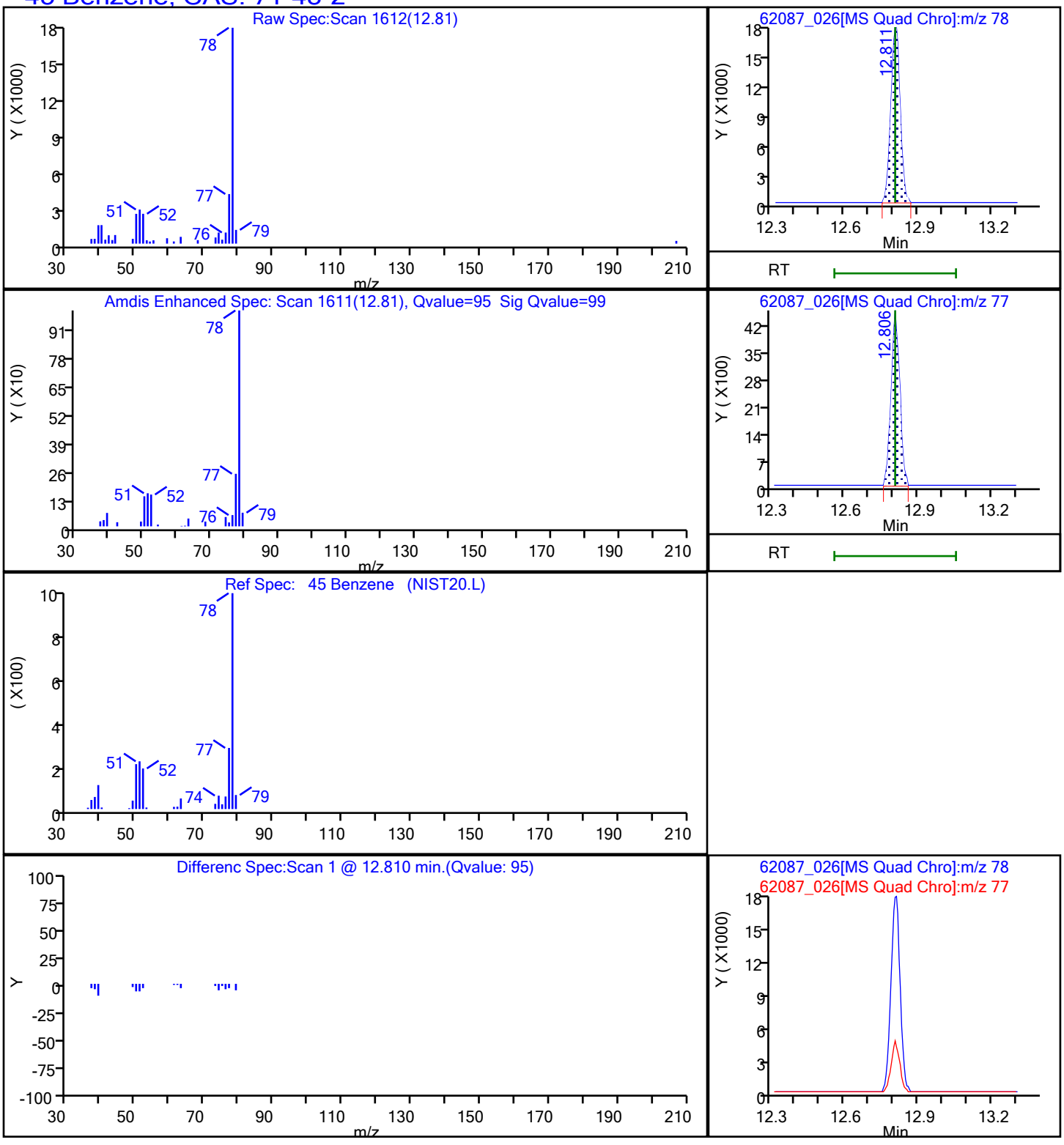
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 26

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

45 Benzene, CAS: 71-43-2

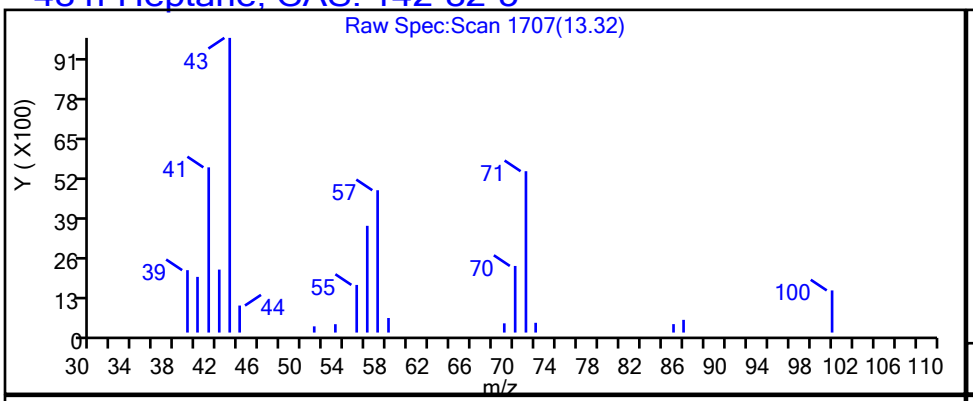


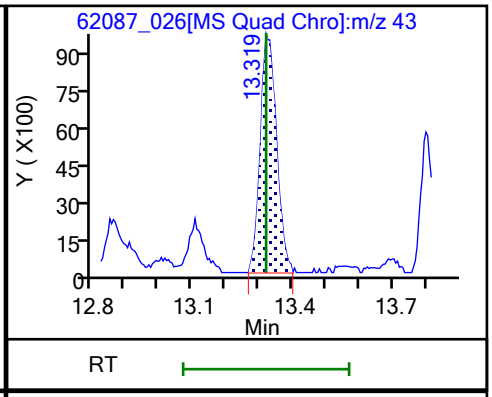
Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

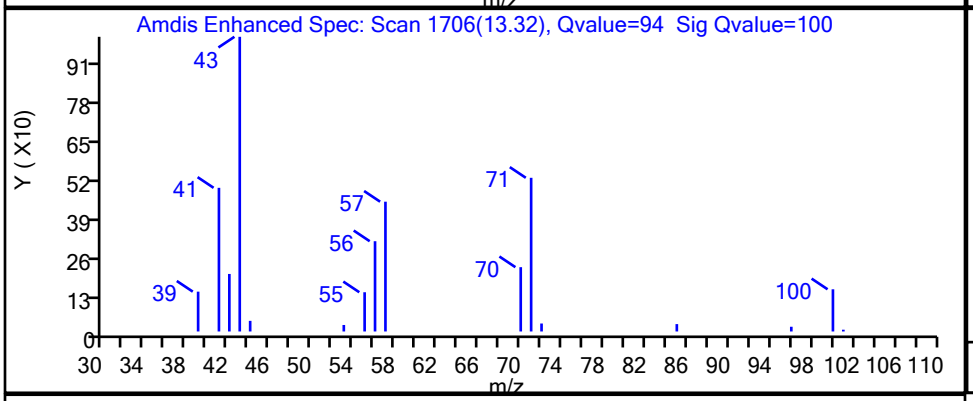
Eurofins Burlington

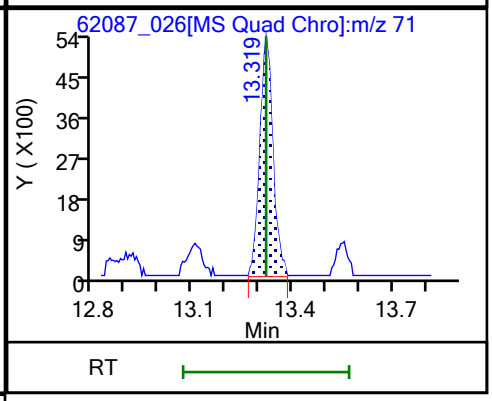
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

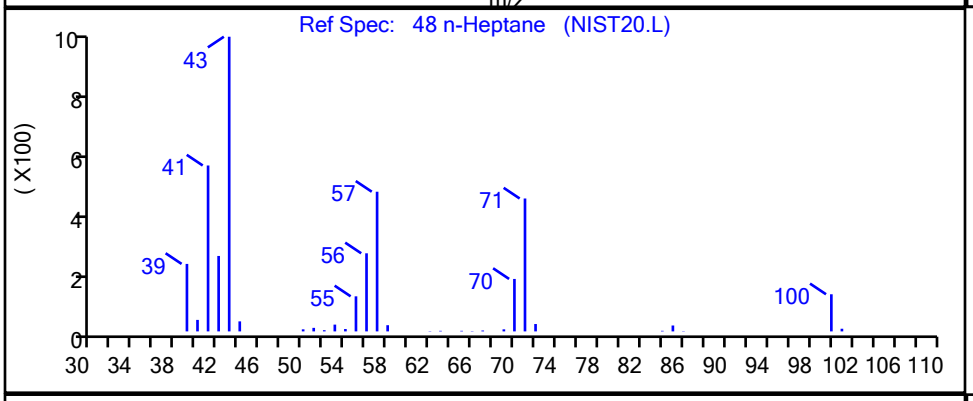
48 n-Heptane, CAS: 142-82-5

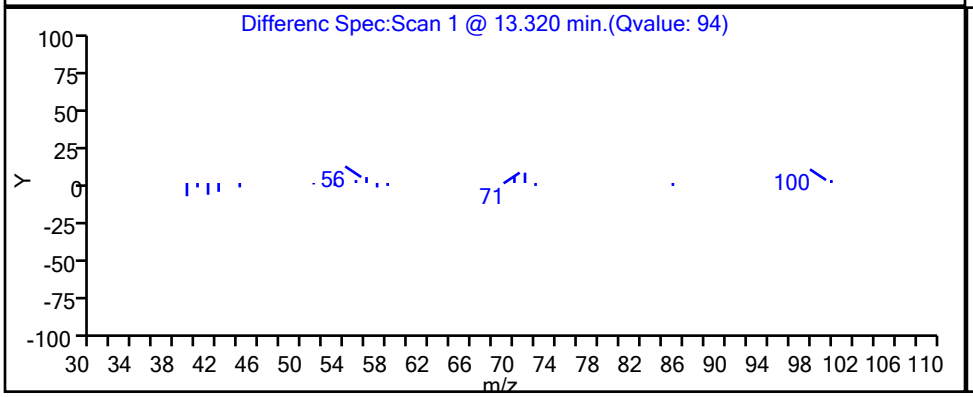


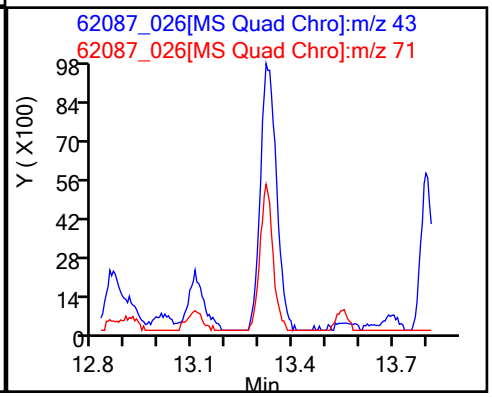












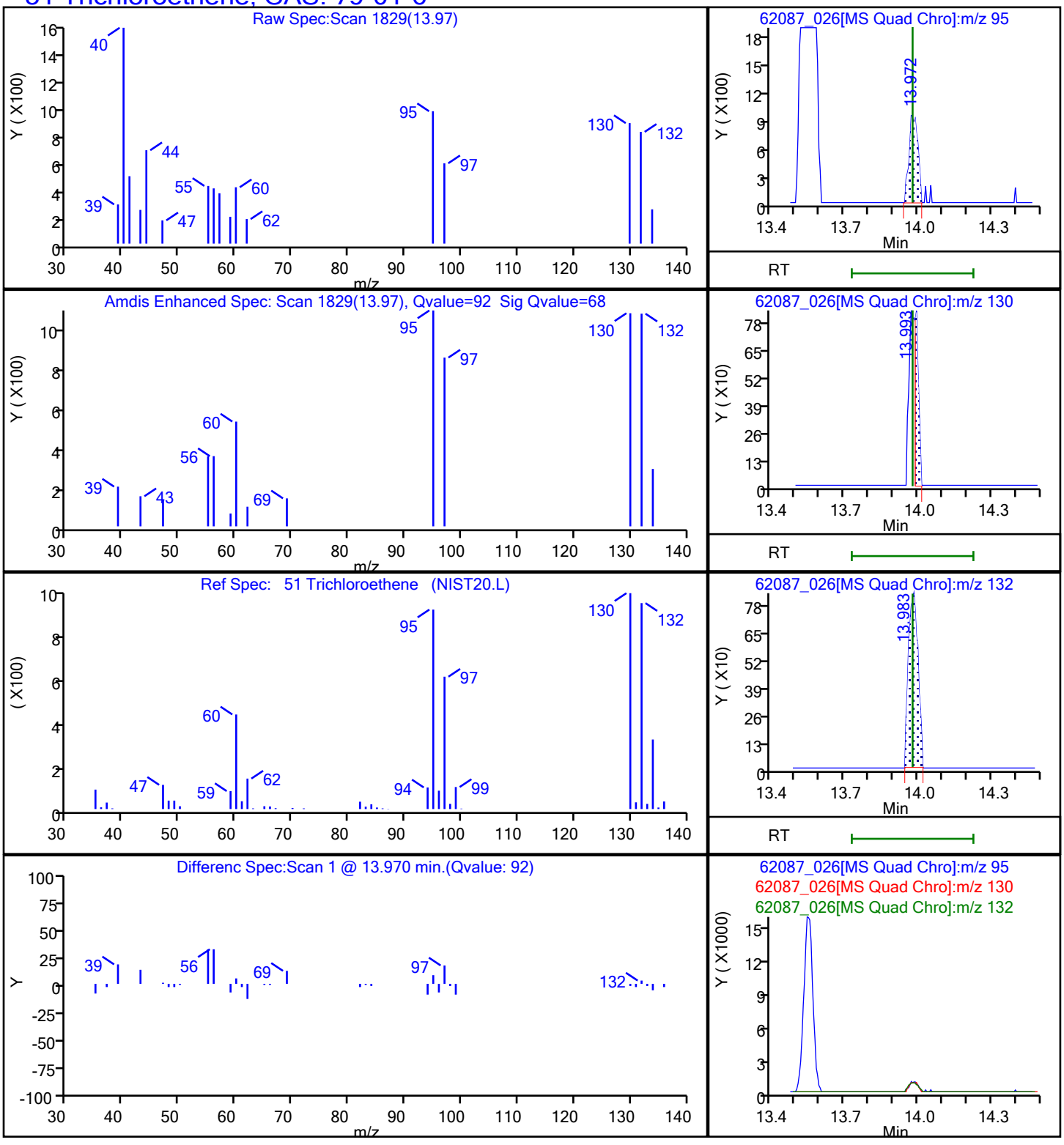
Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Trichloroethene, CAS: 79-01-6



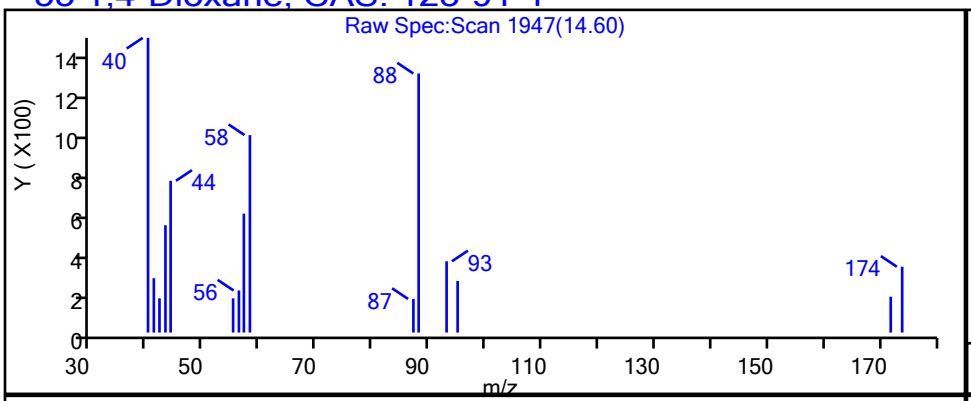
Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

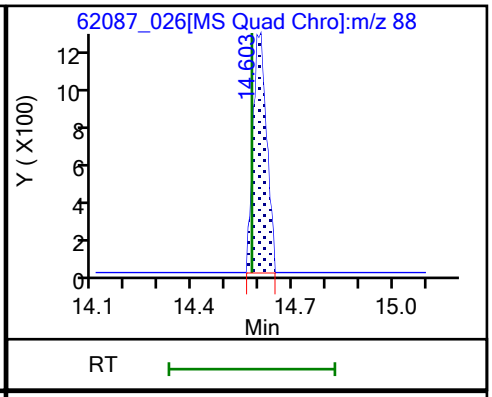
Eurofins Burlington

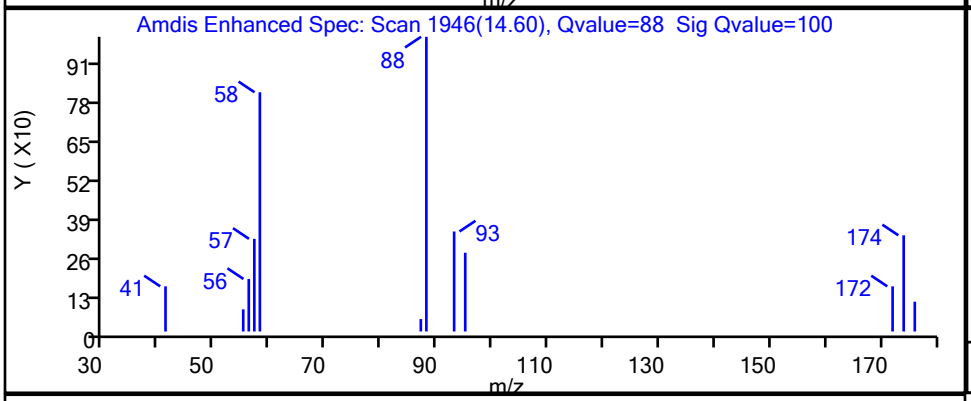
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

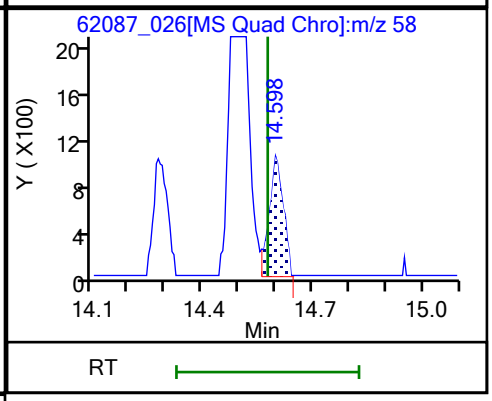
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

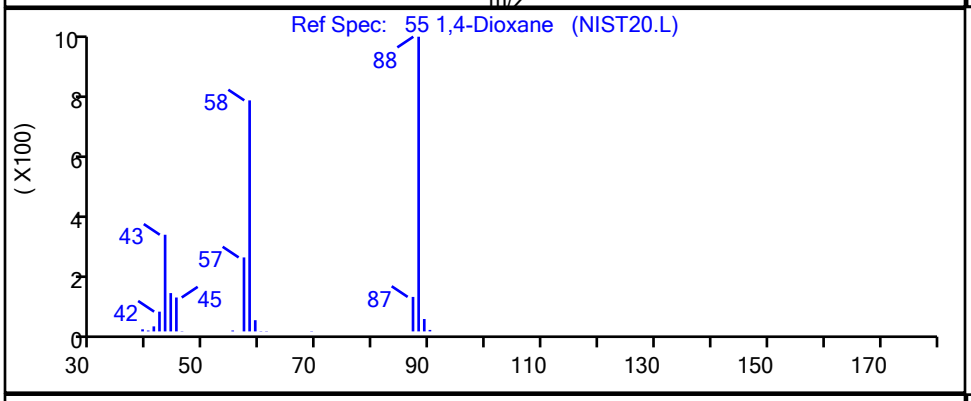
55 1,4-Dioxane, CAS: 123-91-1

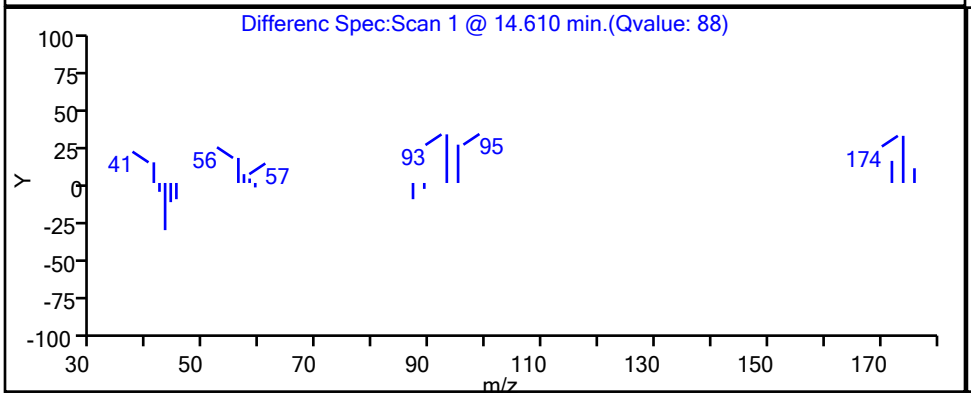


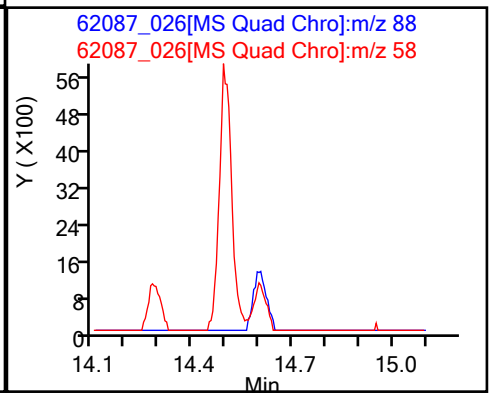










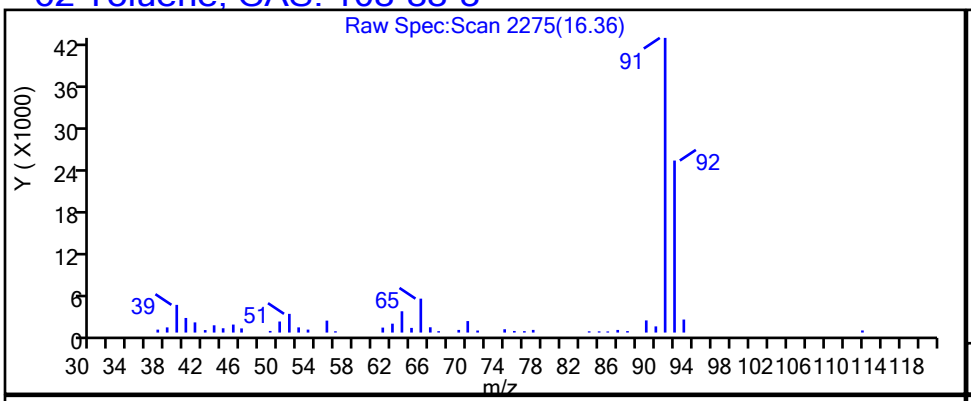


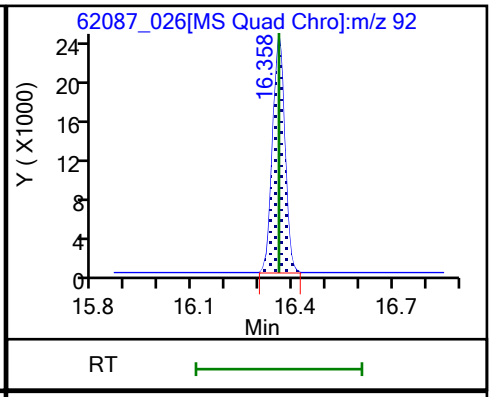
Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

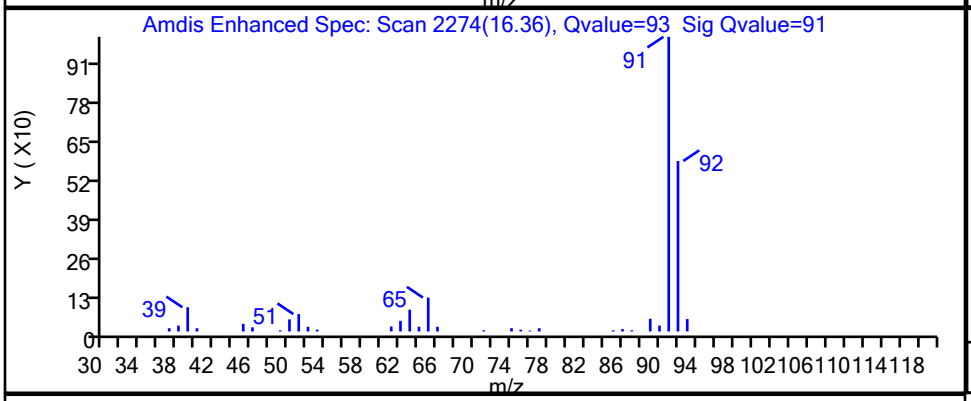
Eurofins Burlington

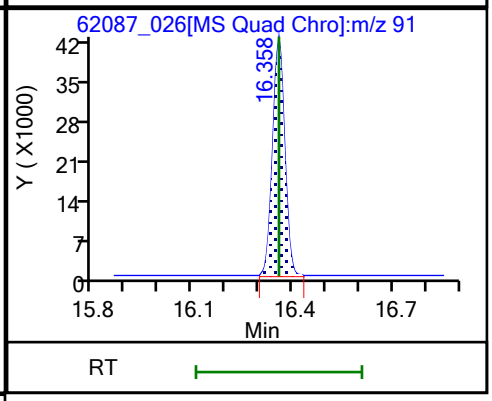
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

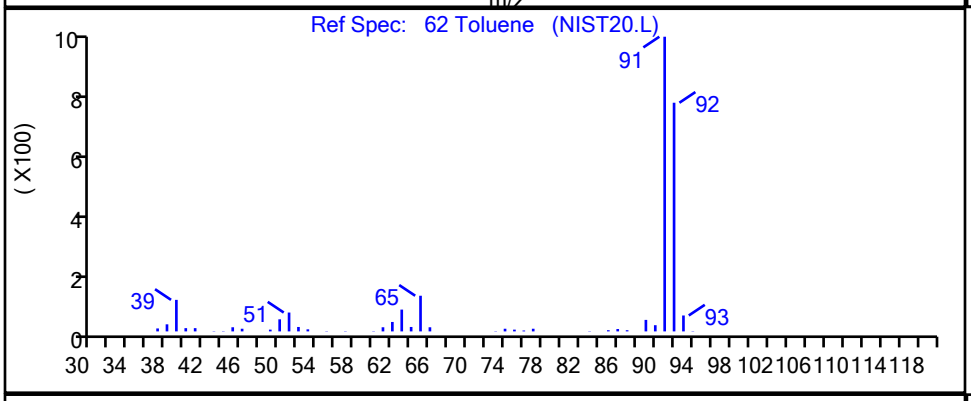
62 Toluene, CAS: 108-88-3

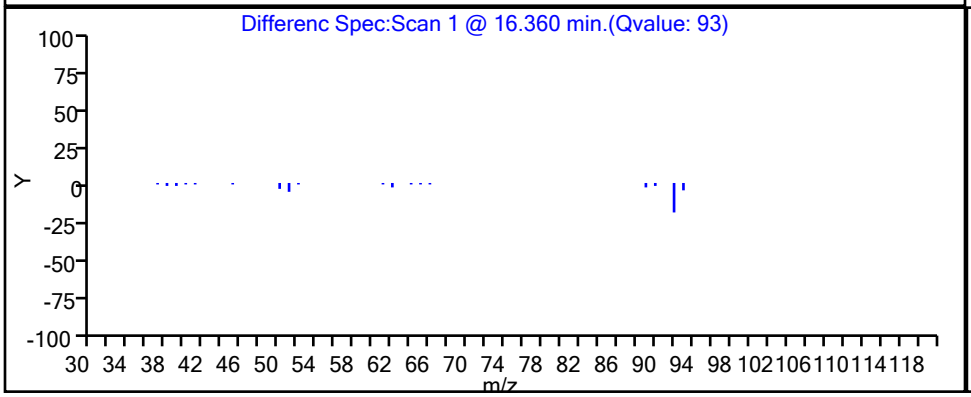


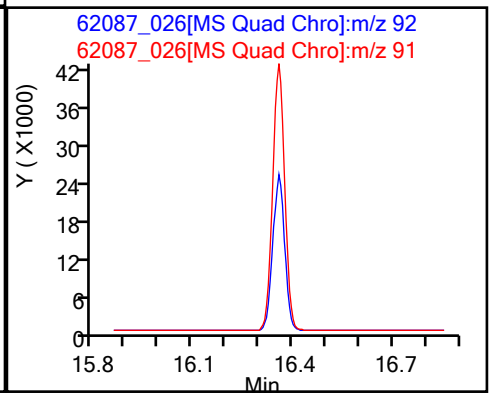












Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

Injection Date: 18-Sep-2024 04:54:00 Instrument ID: CHAM.i

Lims ID: 200-75119-A-8 Lab Sample ID: 200-75119-8

Client ID: RXSV-5

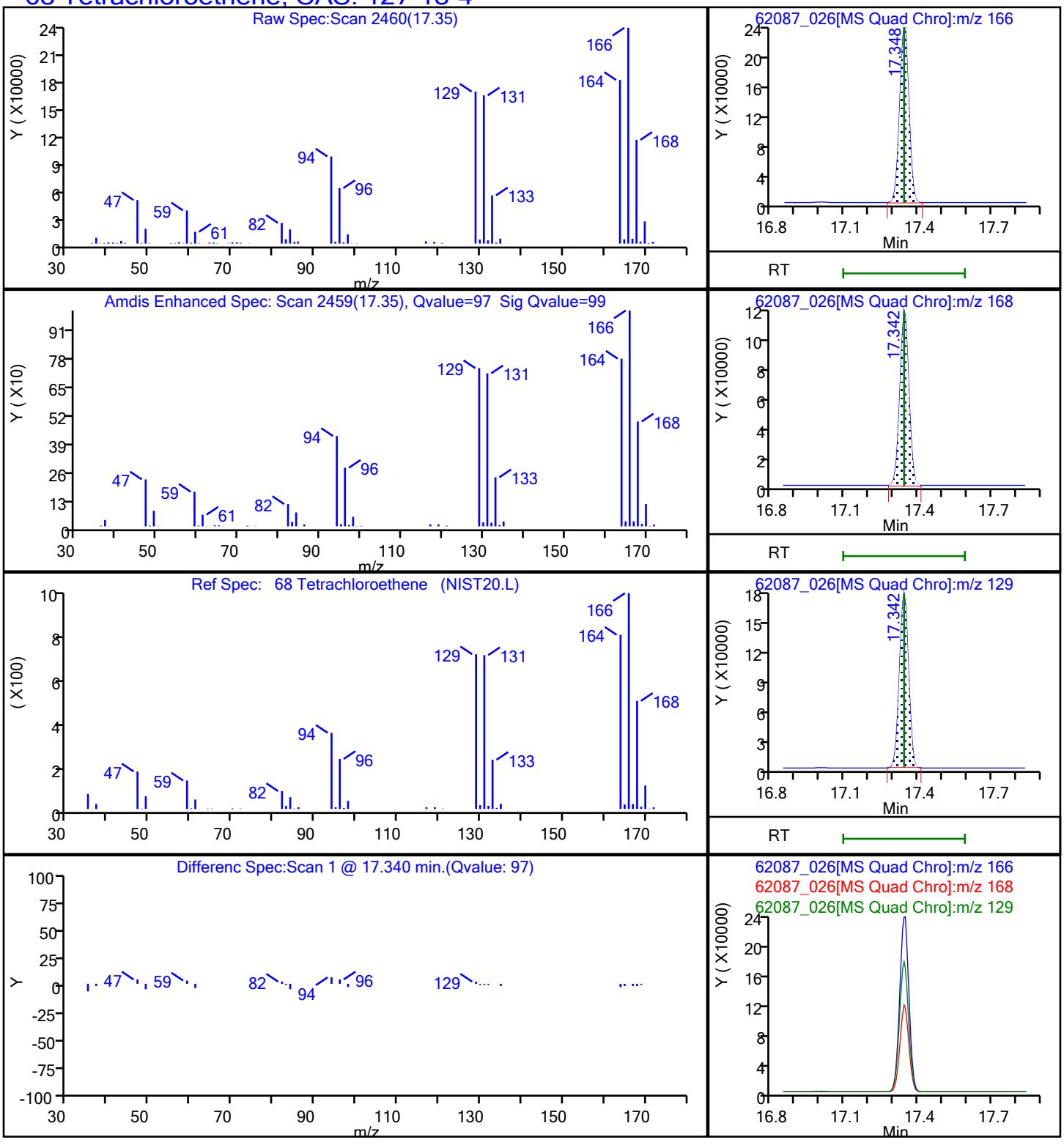
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 26

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

68 Tetrachloroethene, CAS: 127-18-4



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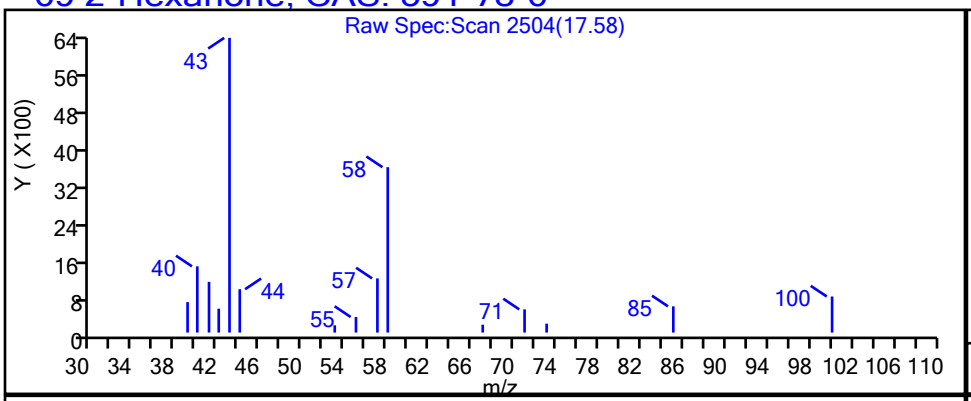
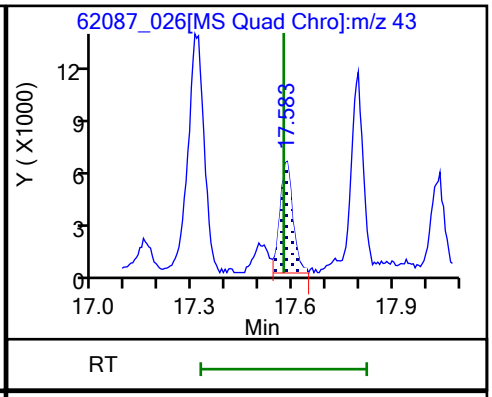
Eurofins Burlington

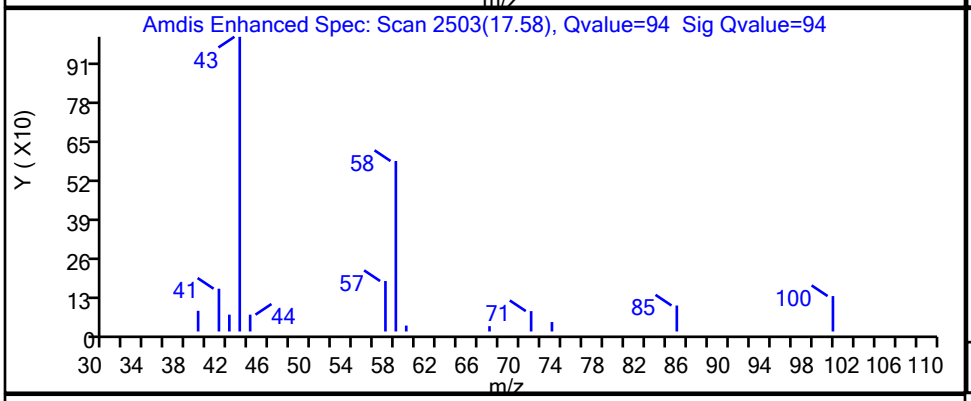
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

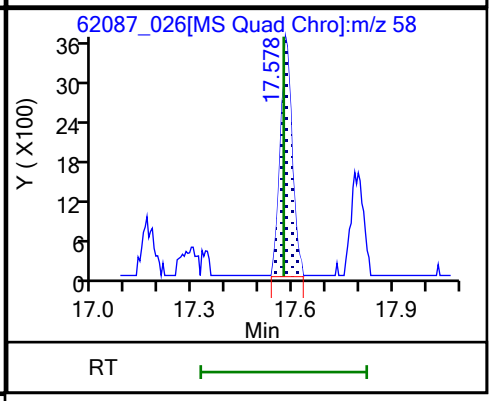
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

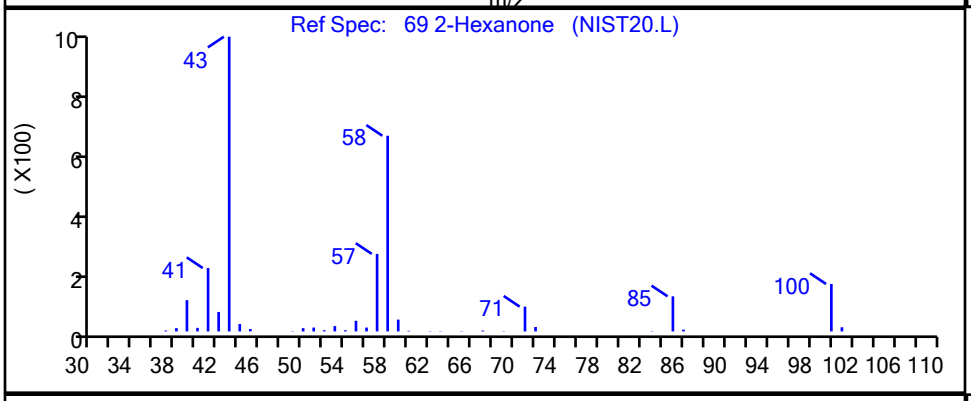
69 2-Hexanone, CAS: 591-78-6

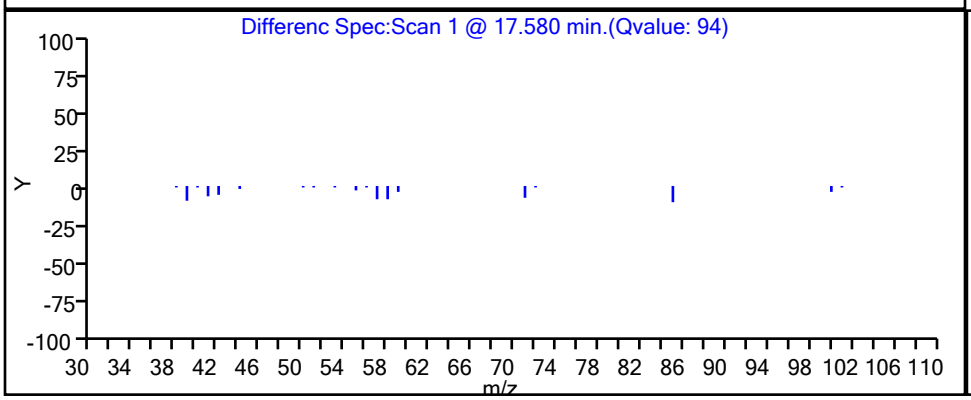


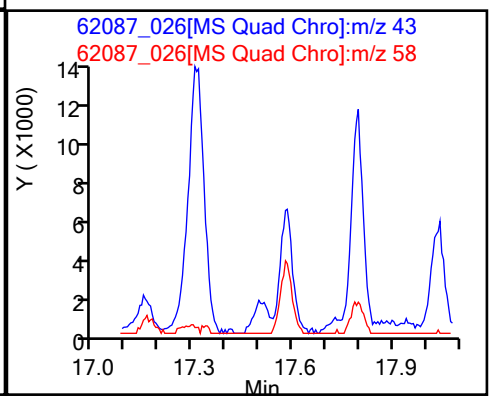












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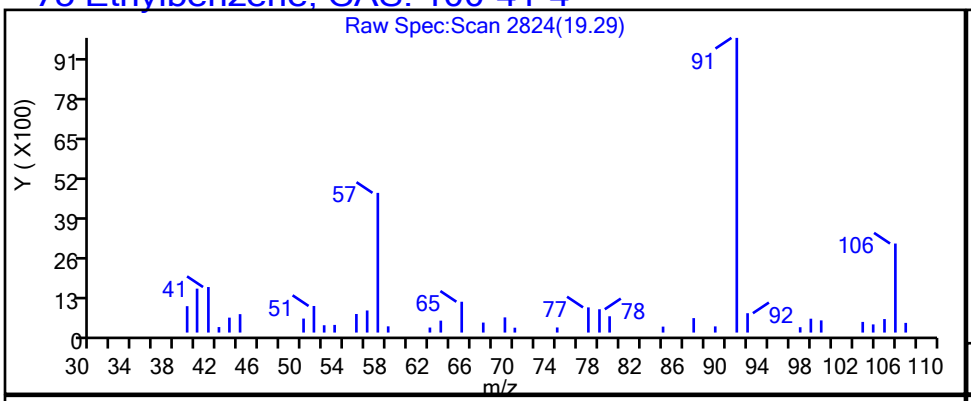
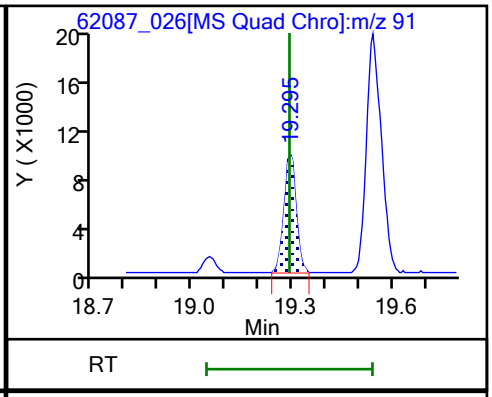
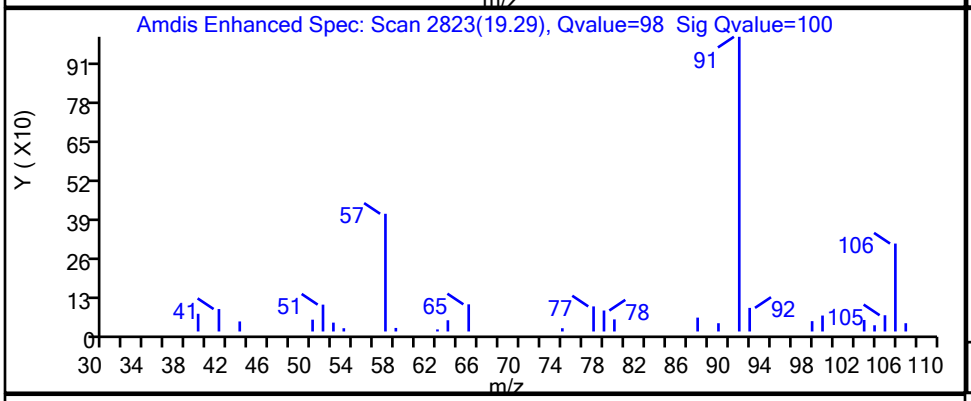
Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

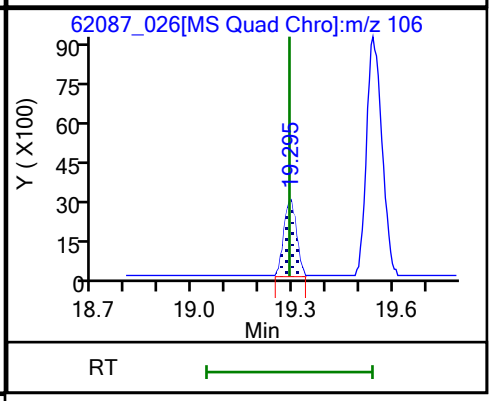
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

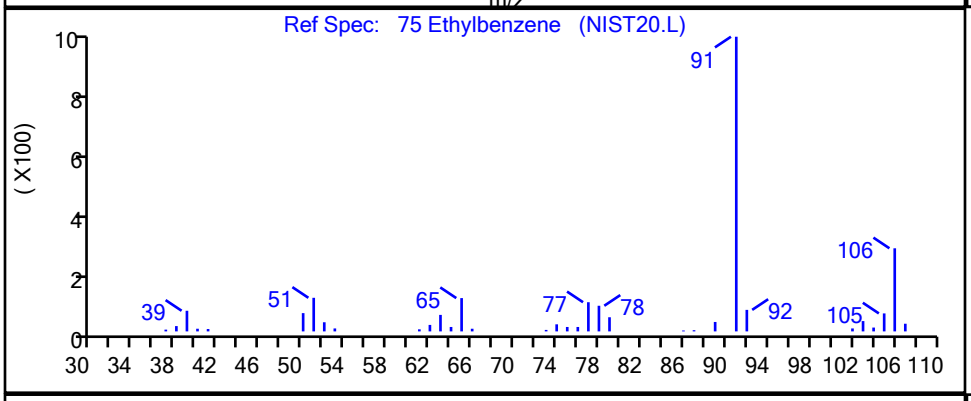
75 Ethylbenzene, CAS: 100-41-4

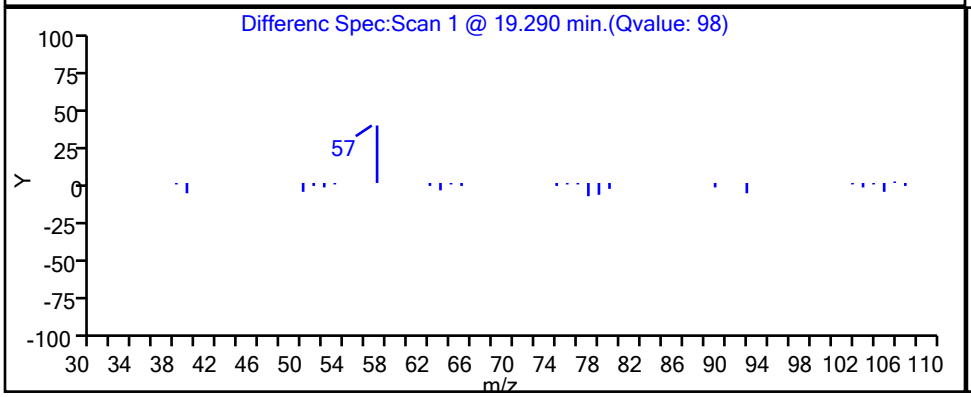


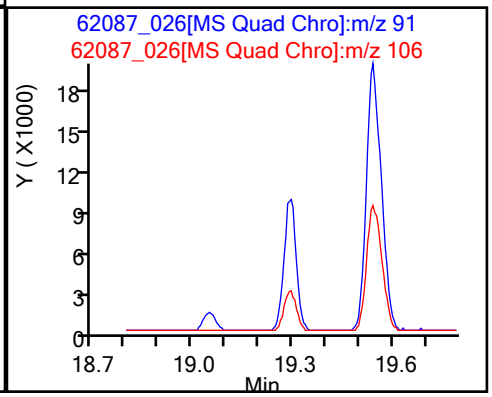












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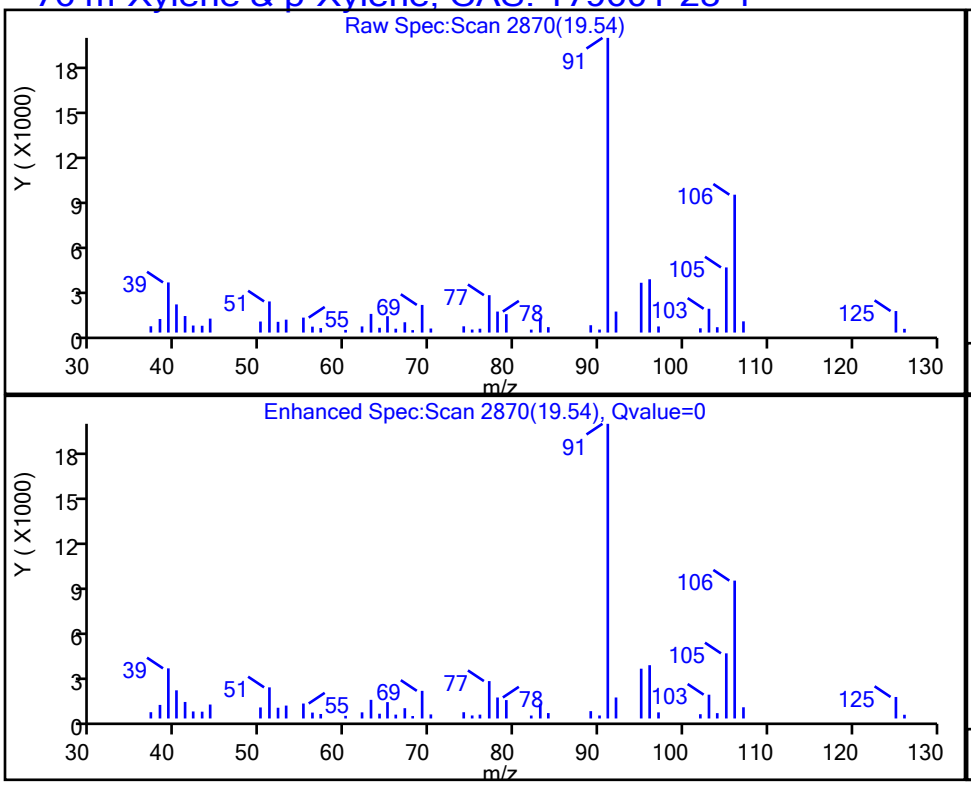
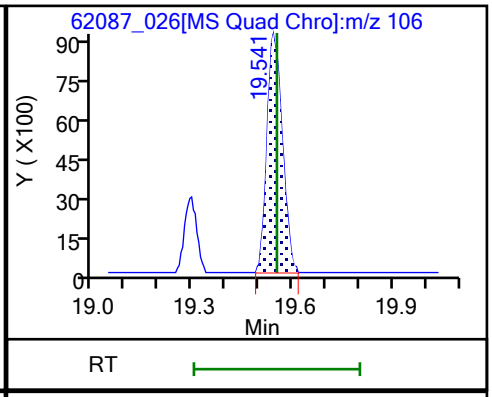
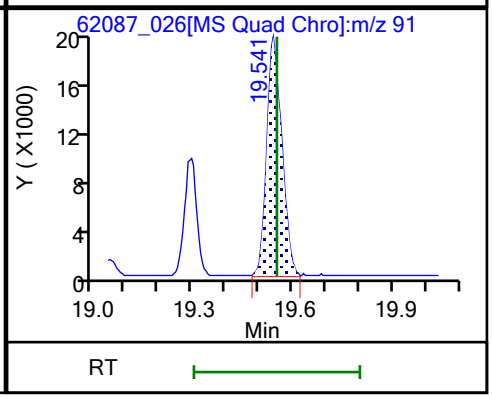
Eurofins Burlington

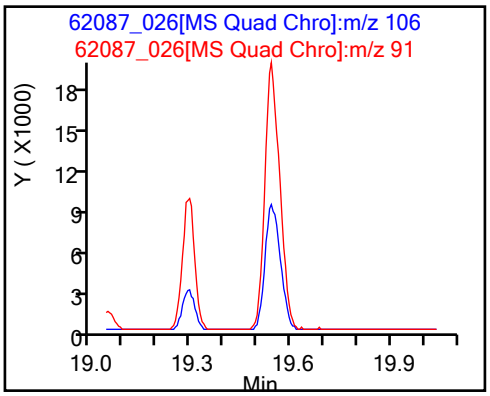
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1









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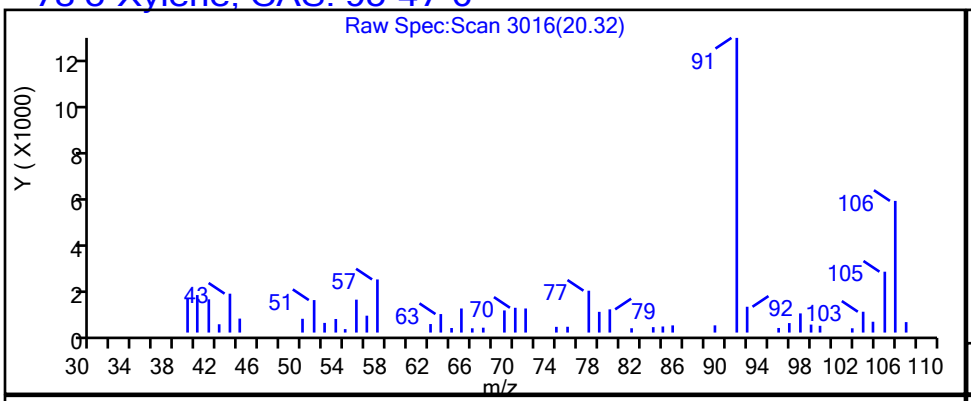
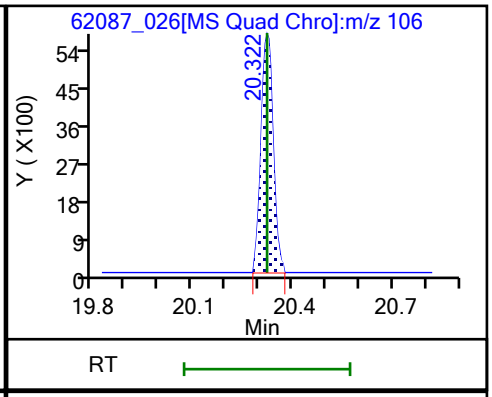
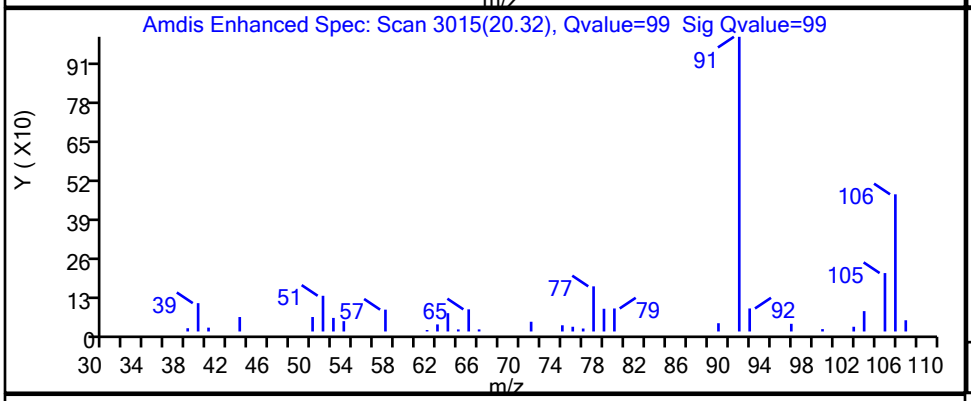
Eurofins Burlington

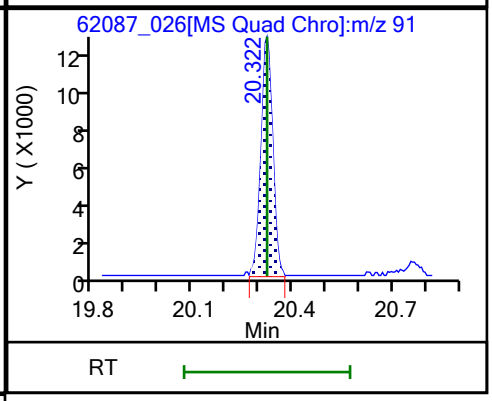
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

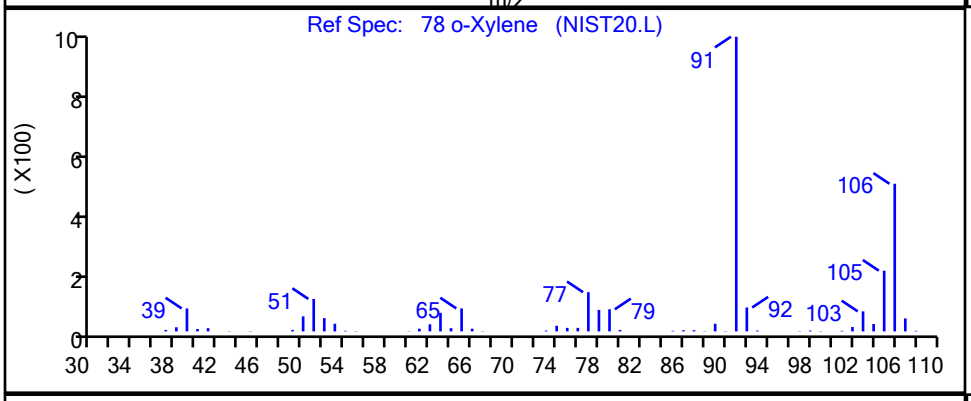
78 o-Xylene, CAS: 95-47-6

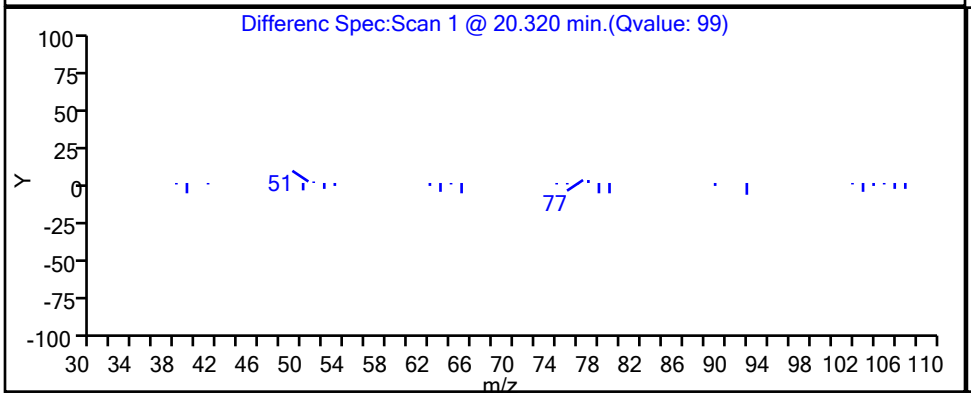


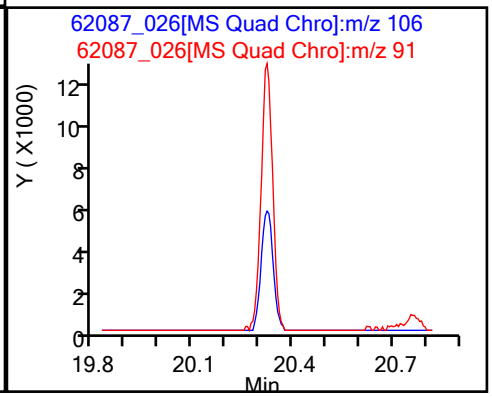












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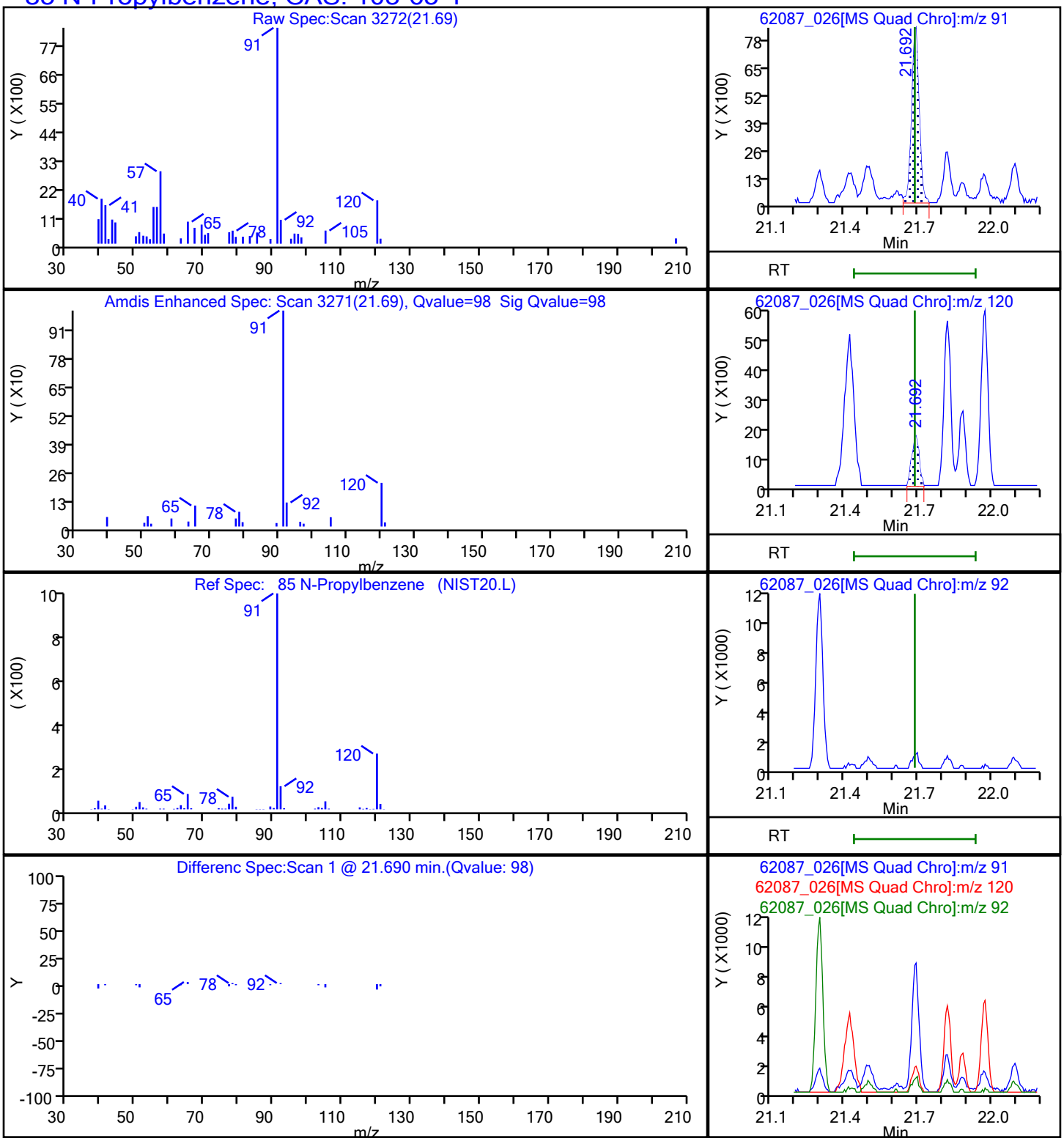
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

85 N-Propylbenzene, CAS: 103-65-1

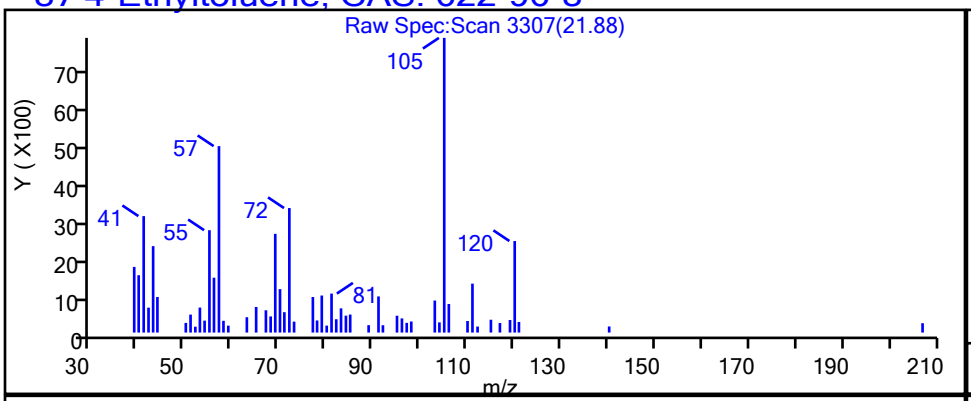


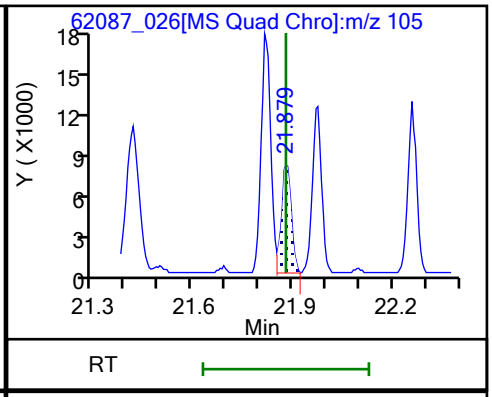
Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

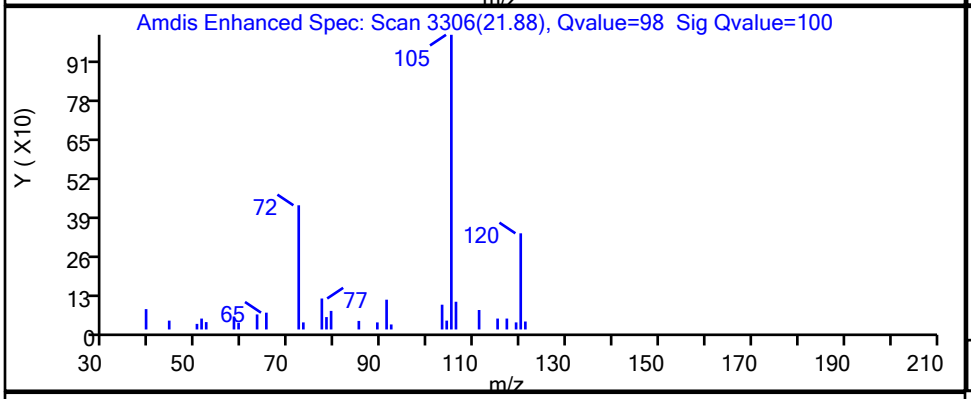
Eurofins Burlington

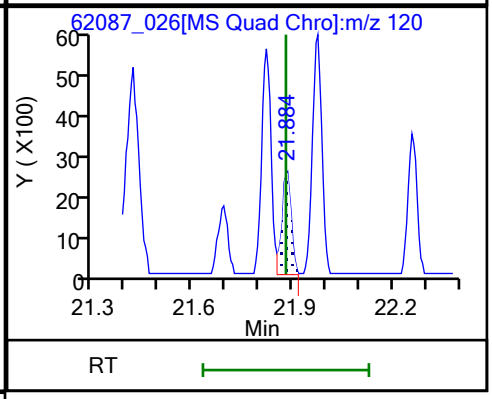
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

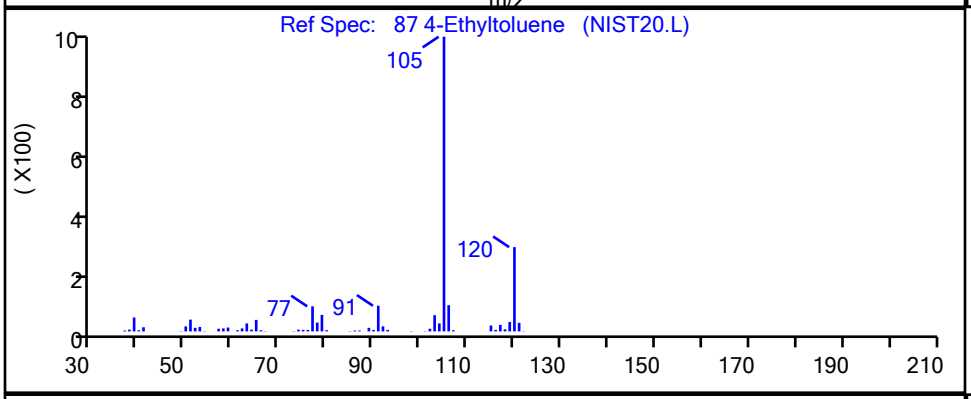
87 4-Ethyltoluene, CAS: 622-96-8

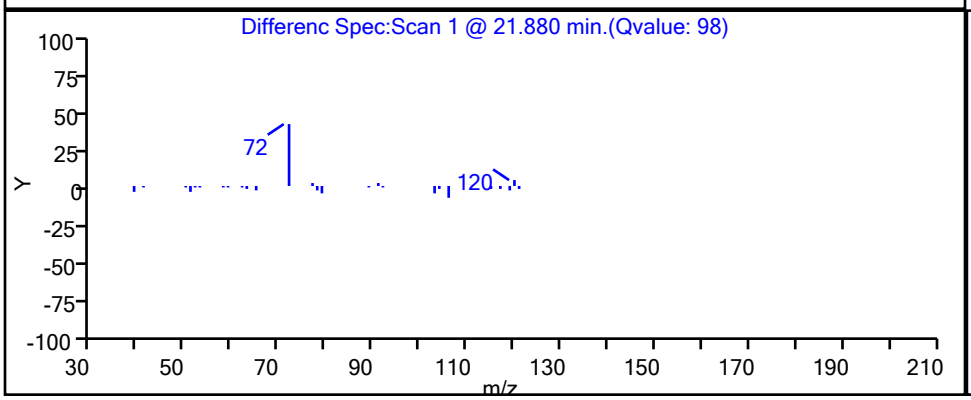


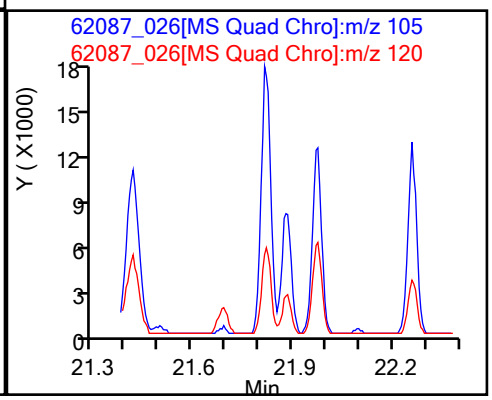










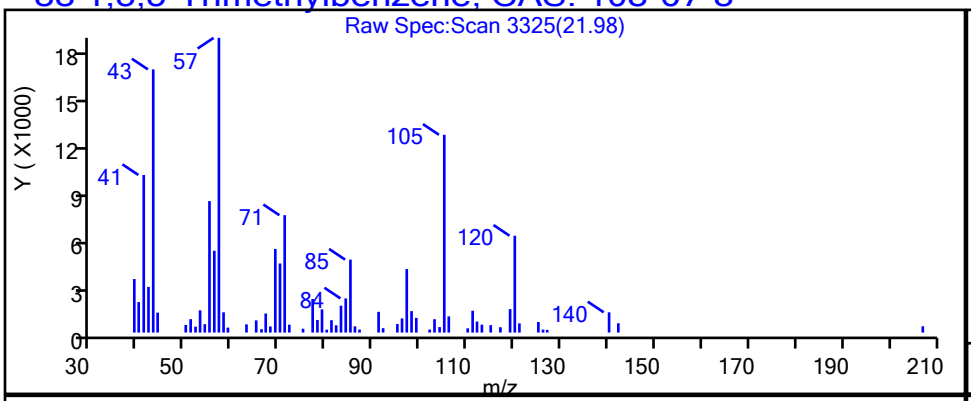


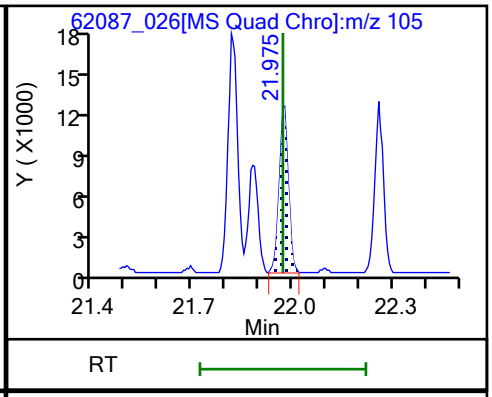
Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

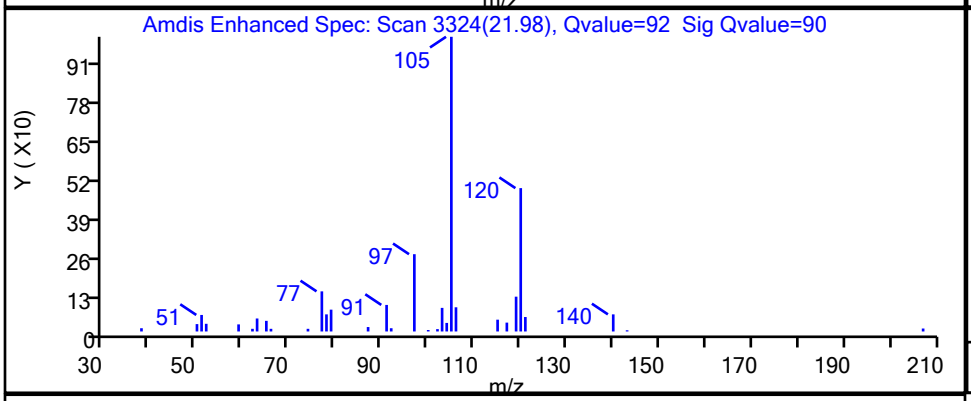
Eurofins Burlington

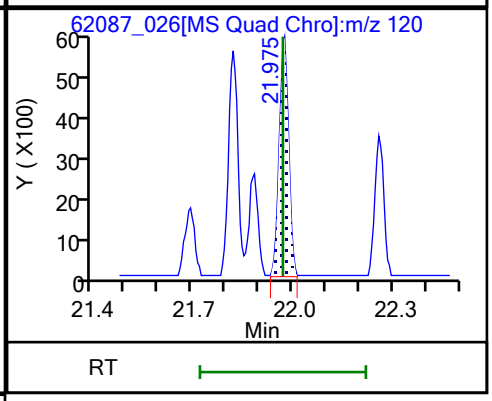
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

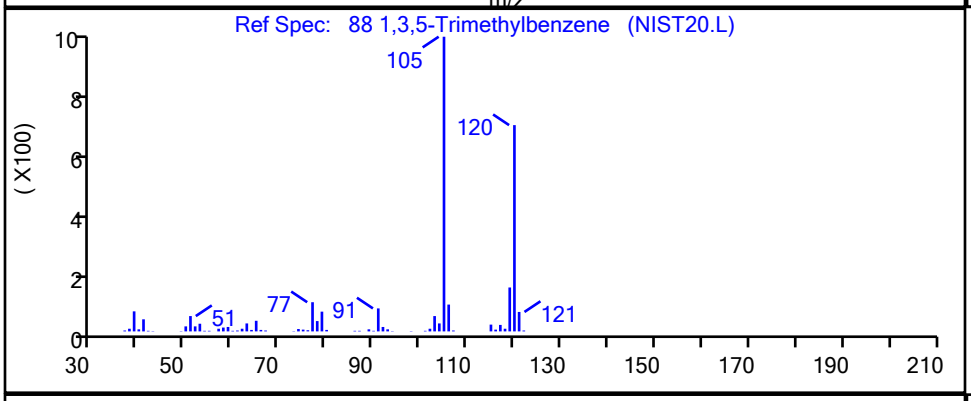
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

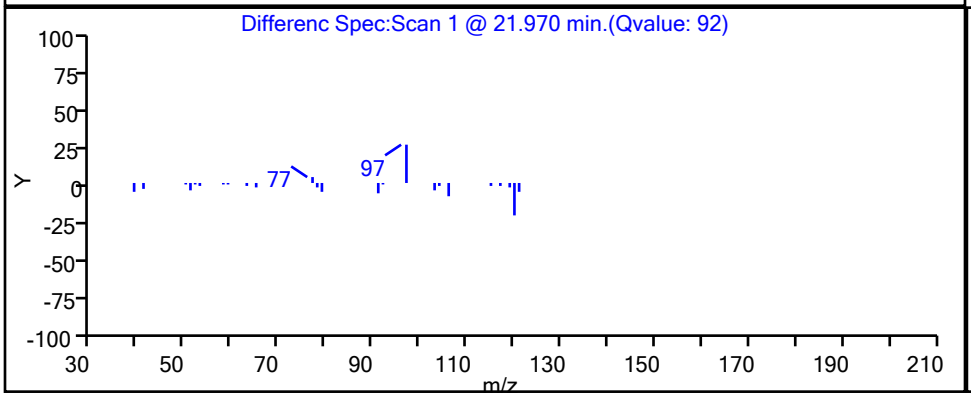


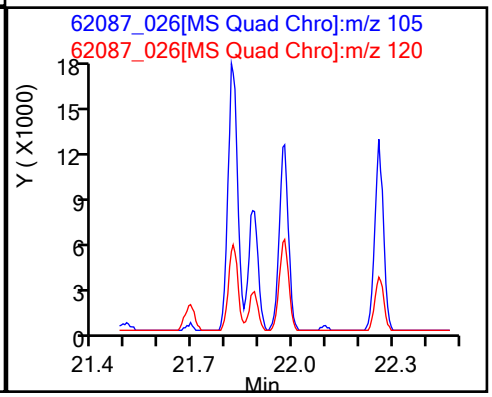










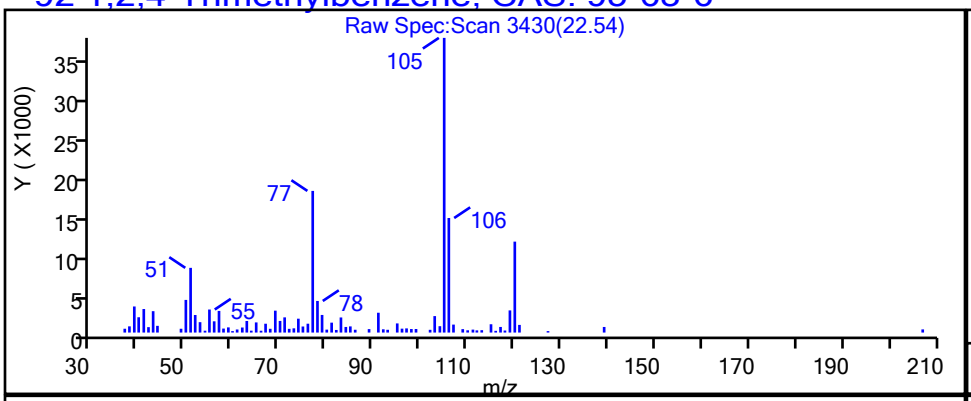


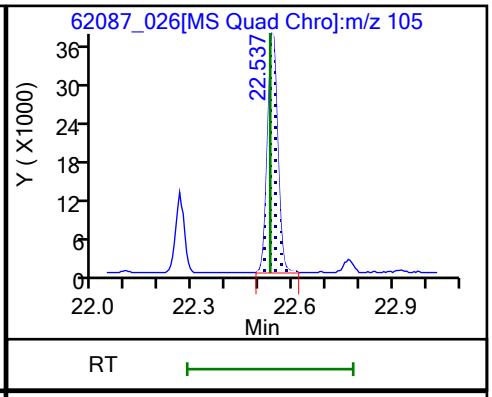
Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

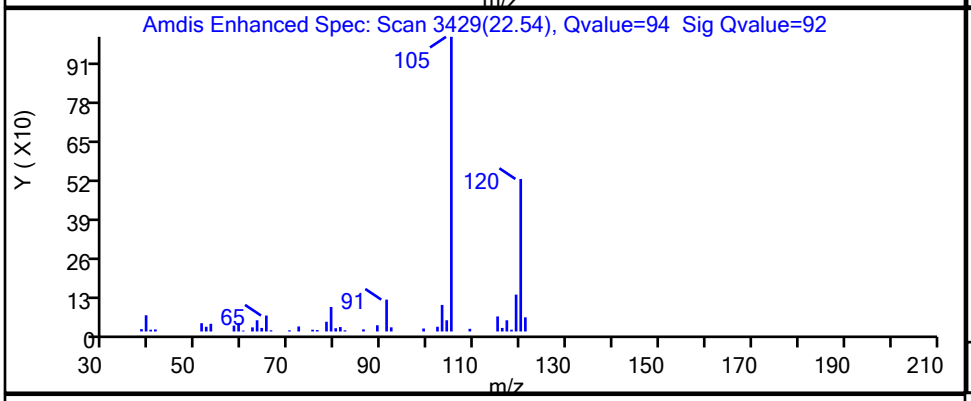
Eurofins Burlington

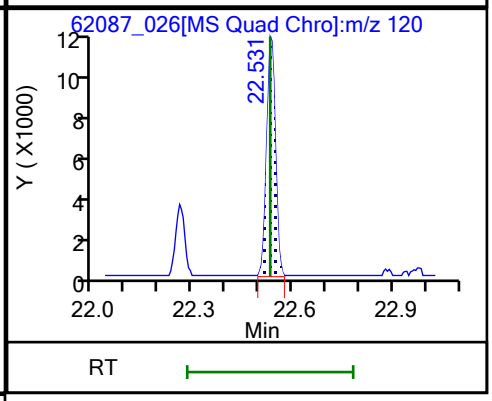
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

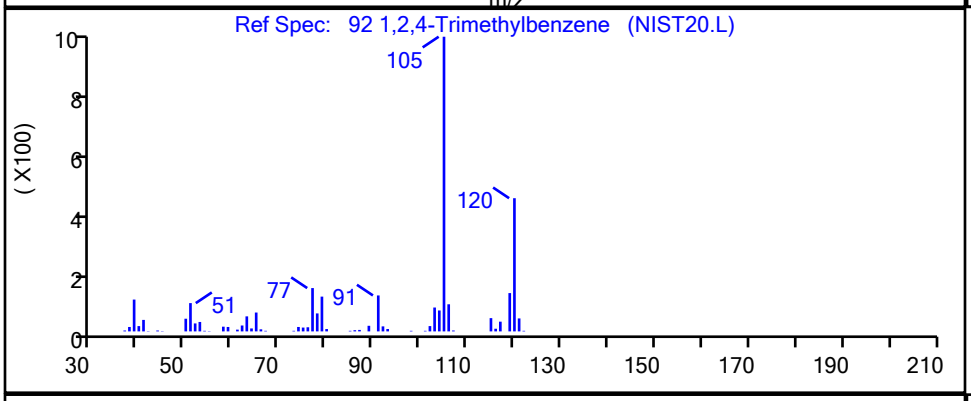
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

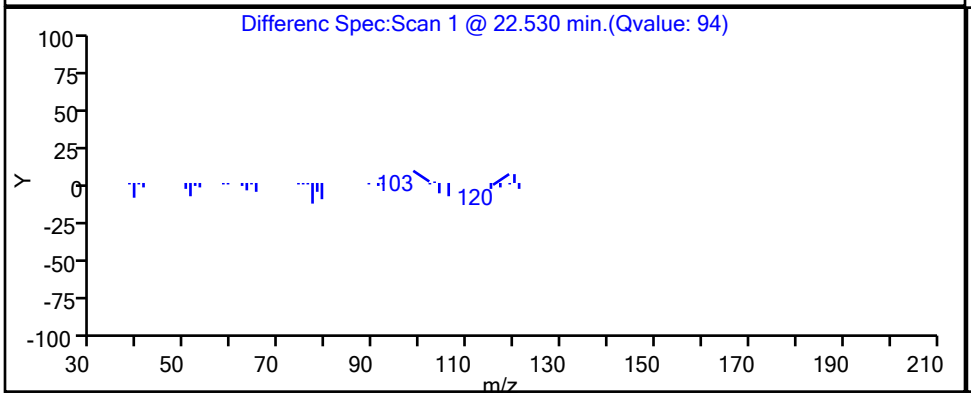


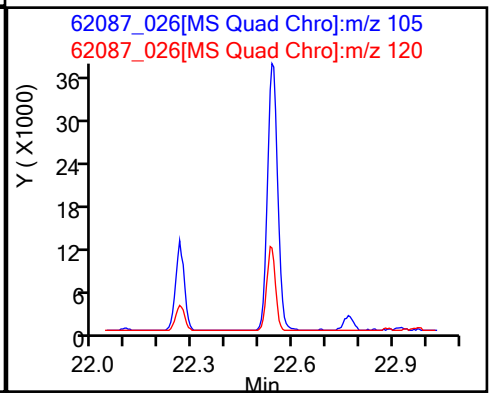












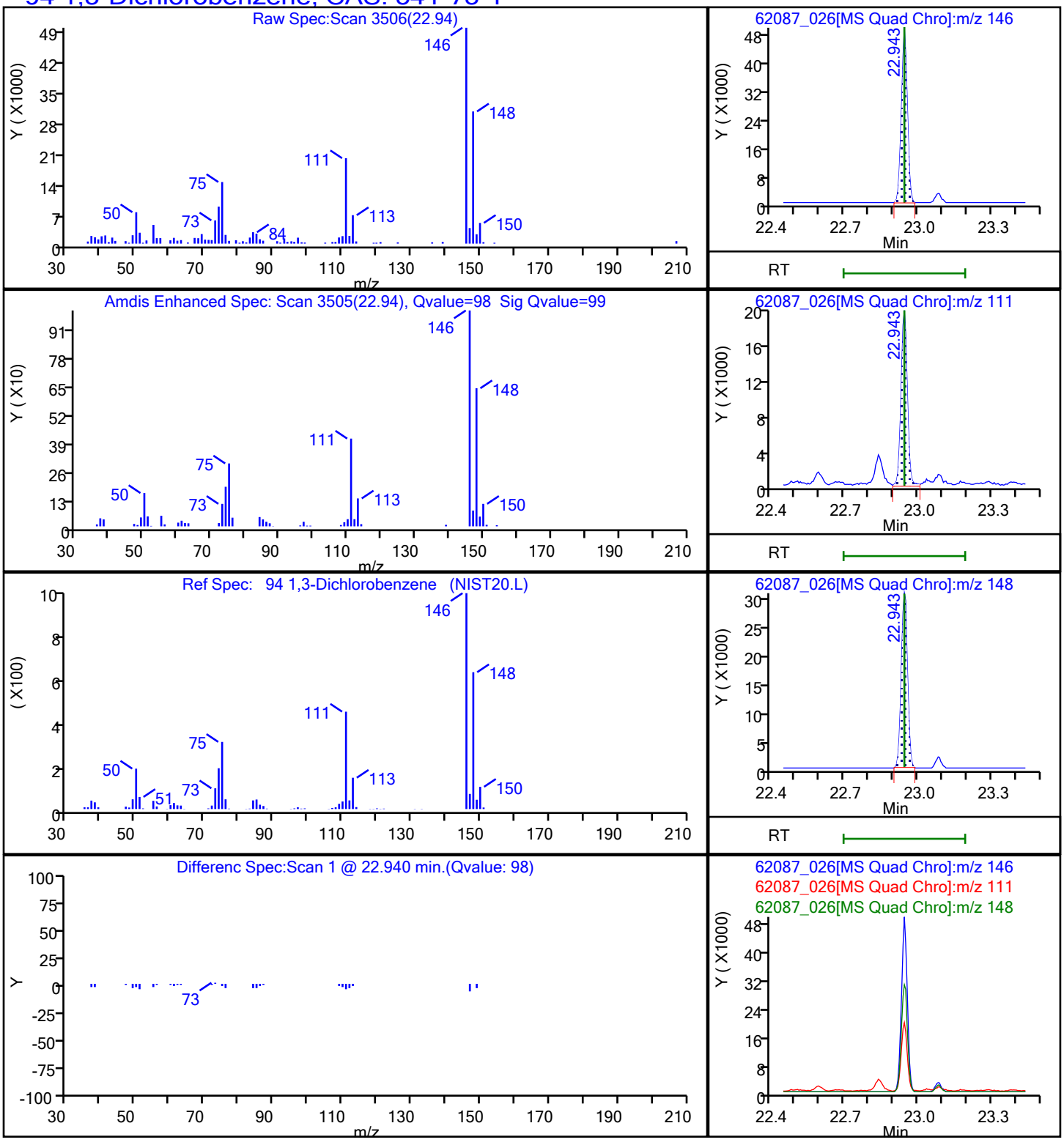
Report Date: 18-Sep-2024 16:48:22 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D

Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3-Dichlorobenzene, CAS: 541-73-1



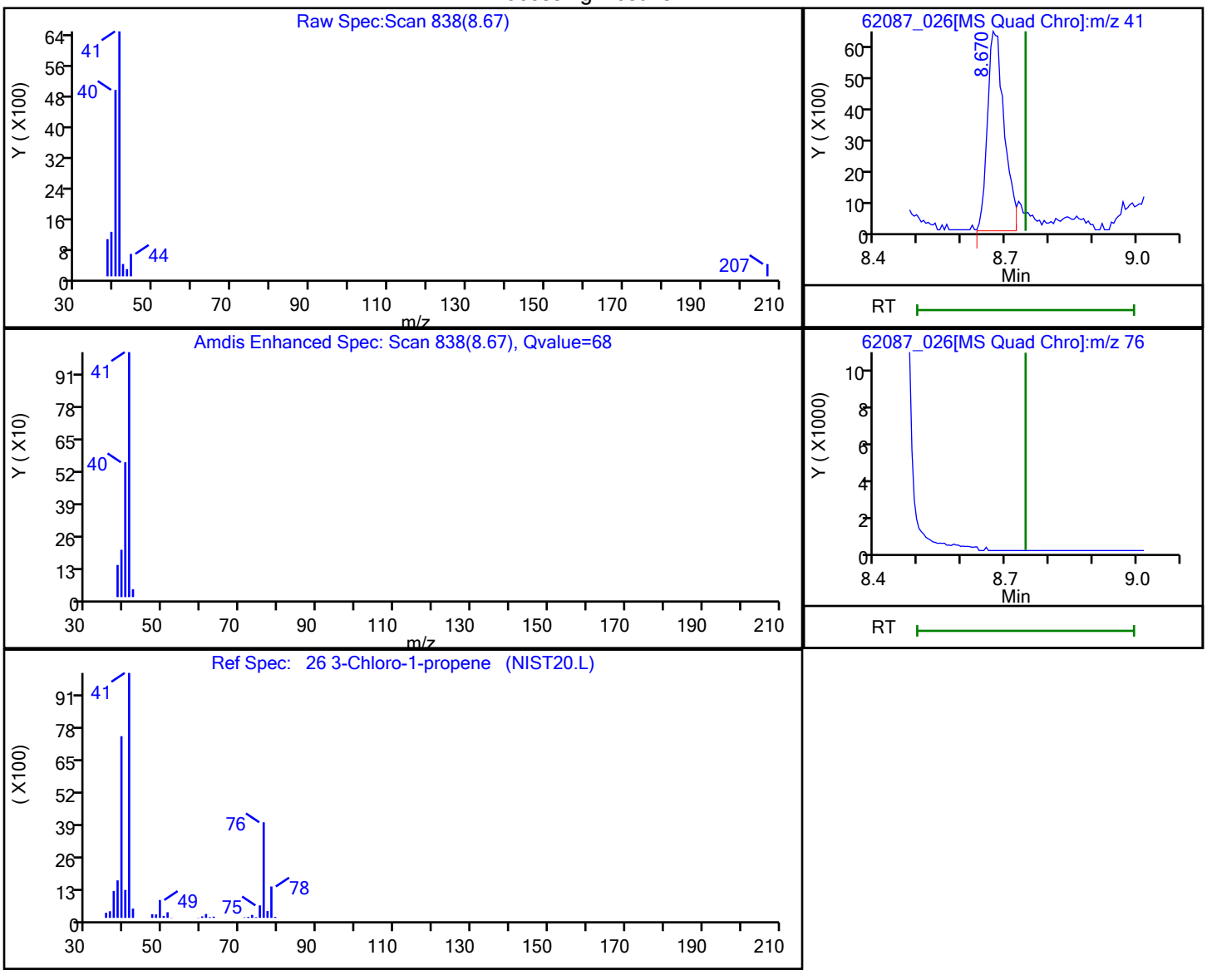
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.67	41.00	17257	0.256843
8.75	76.00	0	

Reviewer: F7XK, 18-Sep-2024 16:44:06 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

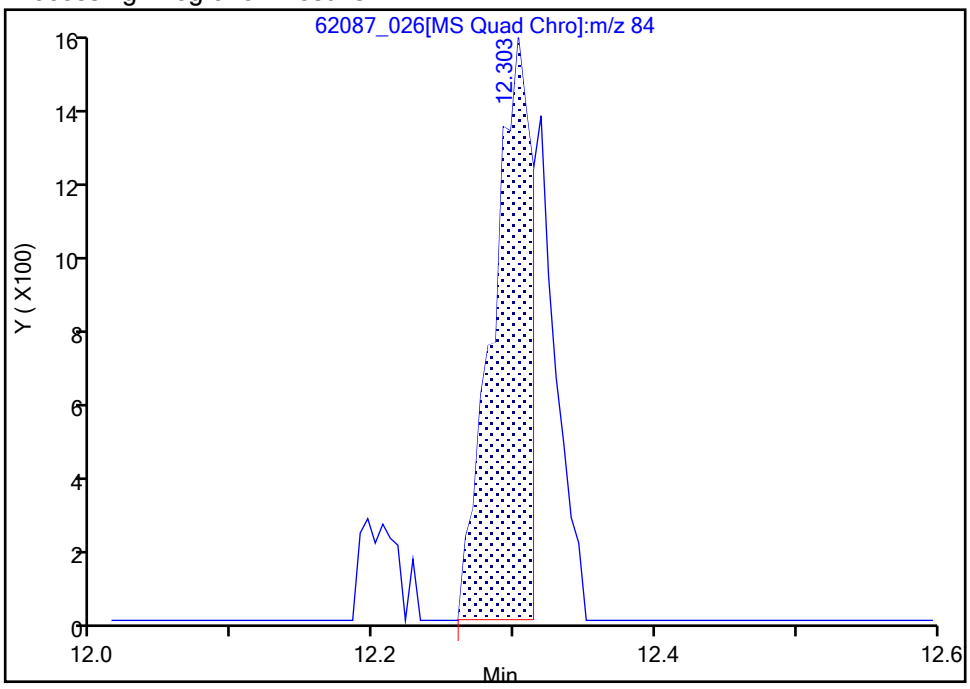
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

Signal: 1

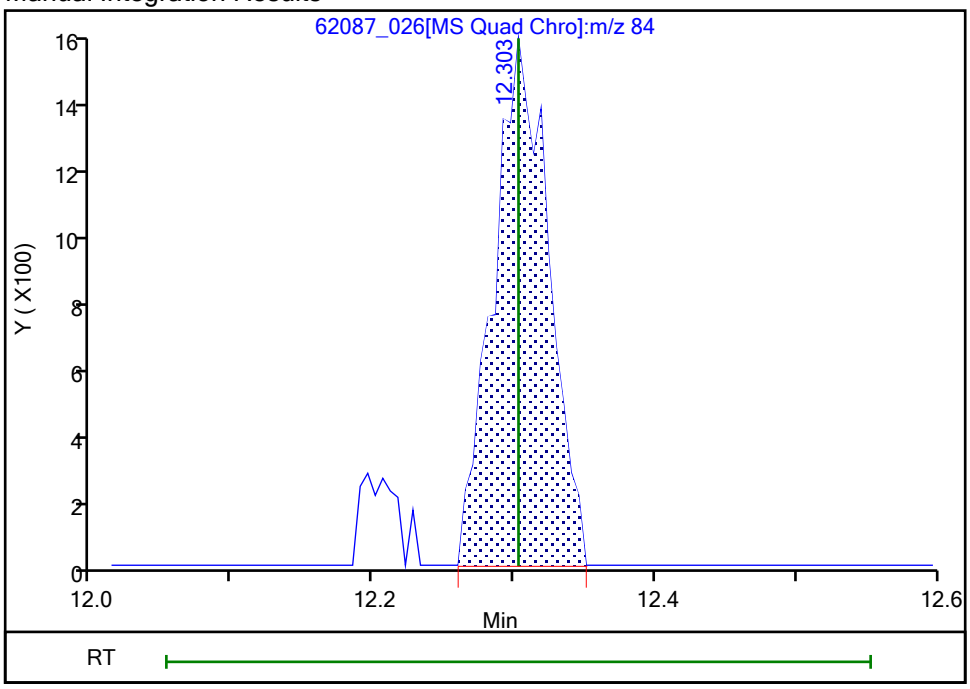
Processing Integration Results

RT: 12.30
Area: 3039
Amount: 0.041914
Amount Units: ppb v/v



Manual Integration Results

RT: 12.30
Area: 4297
Amount: 0.059264
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:44:45 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

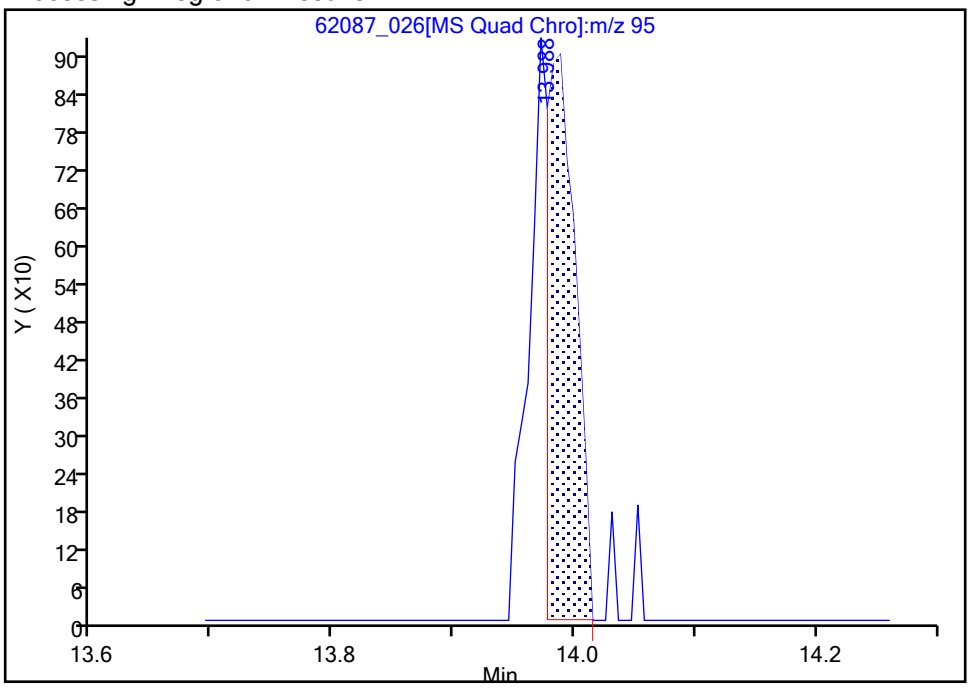
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Trichloroethene, CAS: 79-01-6

Signal: 1

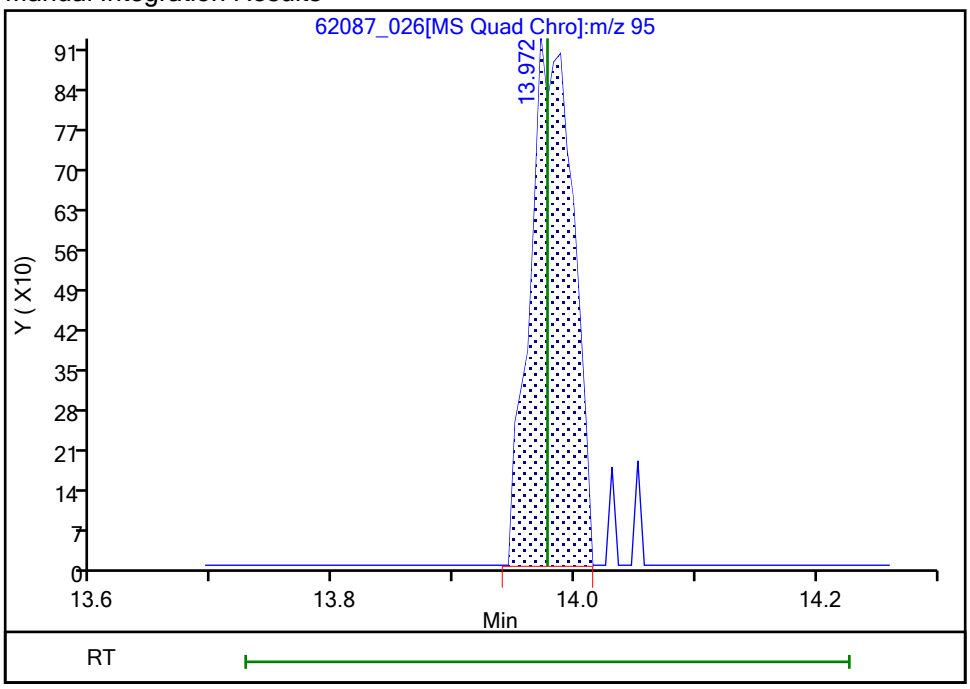
Processing Integration Results

RT: 13.99
Area: 1491
Amount: 0.018766
Amount Units: ppb v/v



Manual Integration Results

RT: 13.97
Area: 2289
Amount: 0.028810
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:45:15 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

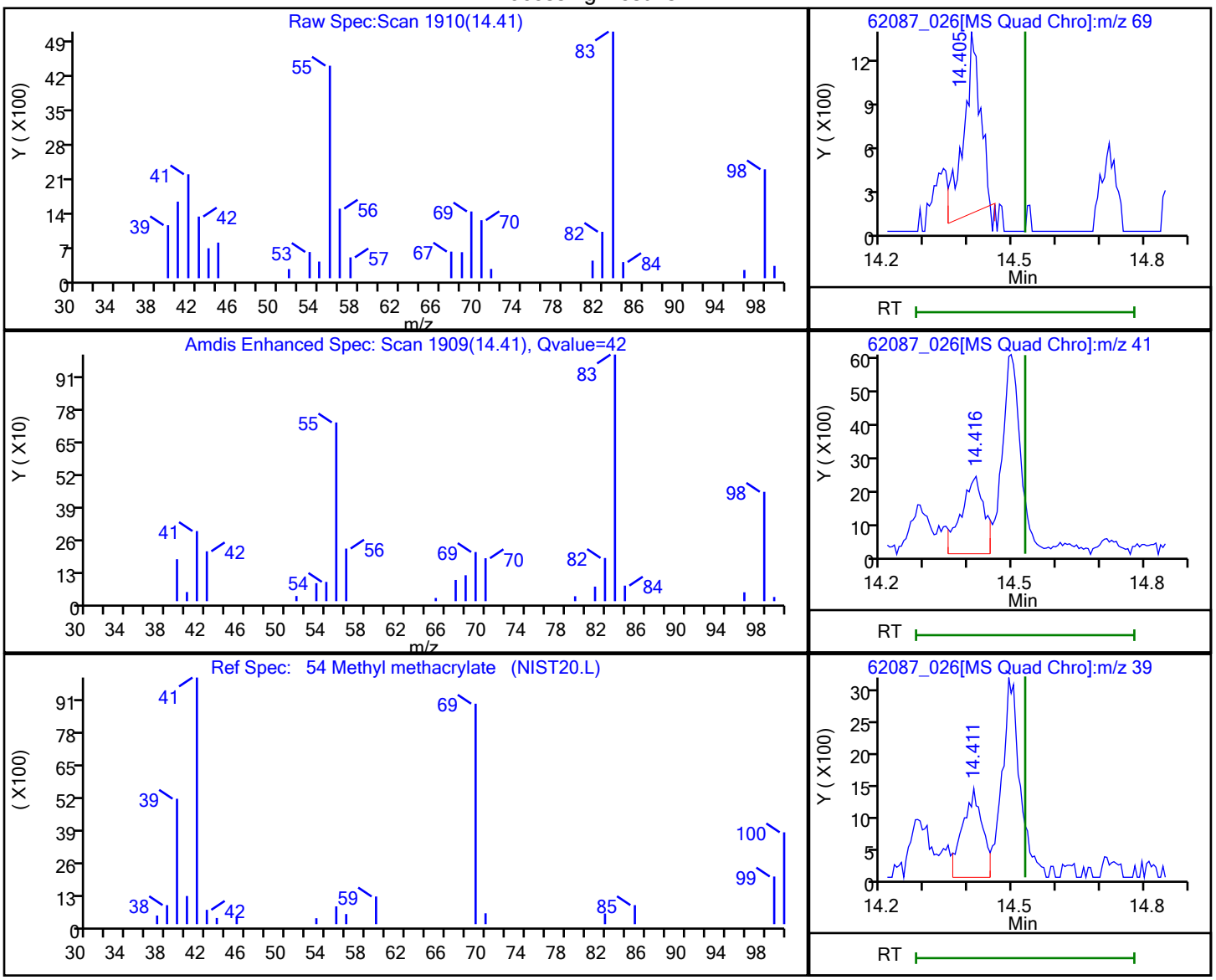
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
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14.42	41.00	8715	
14.41	39.00	4339	

Reviewer: F7XK, 18-Sep-2024 16:45:26 07:00:00 (UTC)

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

Eurofins Burlington

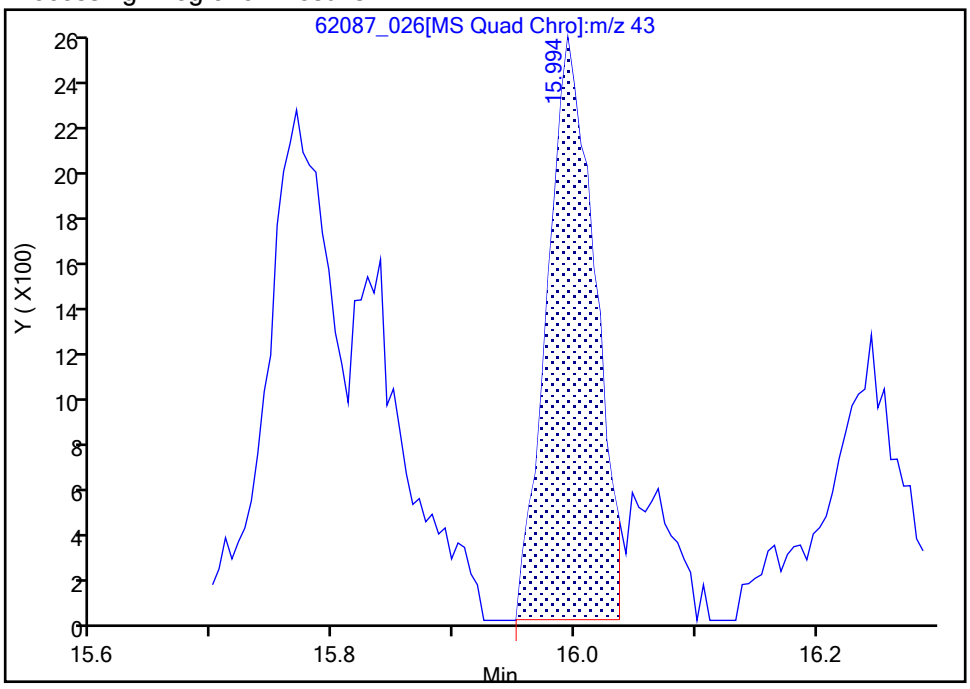
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

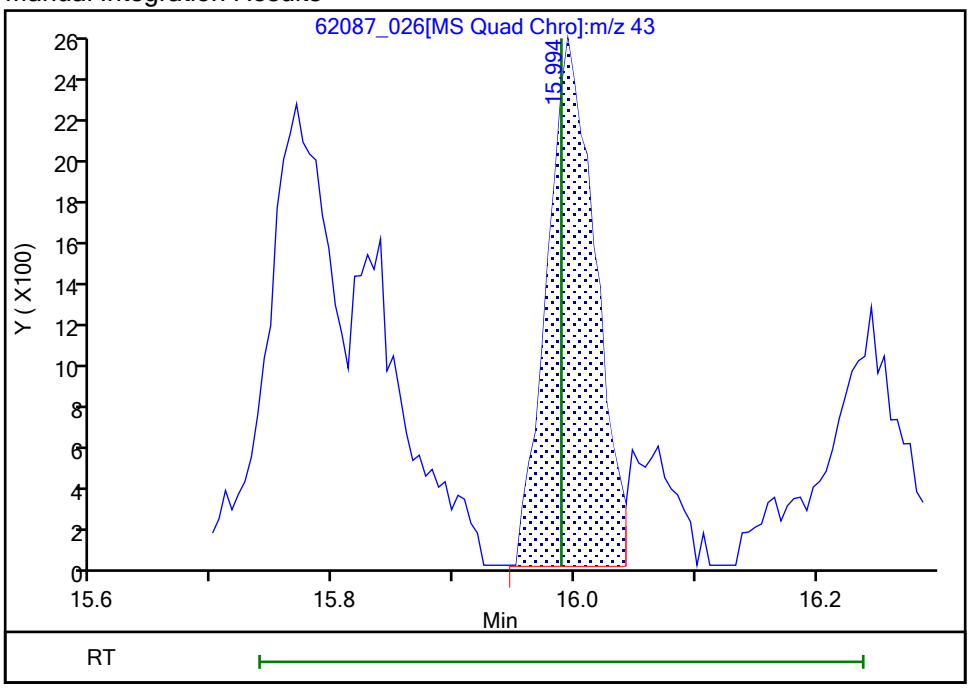
Processing Integration Results

RT: 15.99
Area: 6931
Amount: 0.059319
Amount Units: ppb v/v



Manual Integration Results

RT: 15.99
Area: 7022
Amount: 0.060098
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:45:44 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

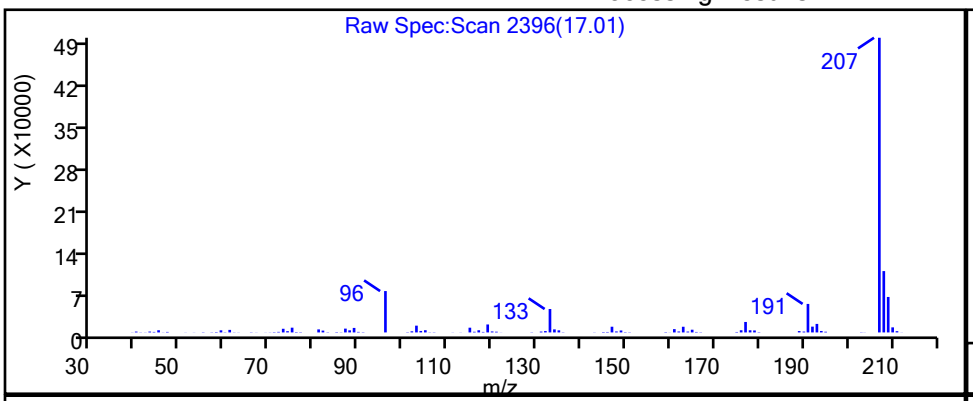
User Disabled Compound Report

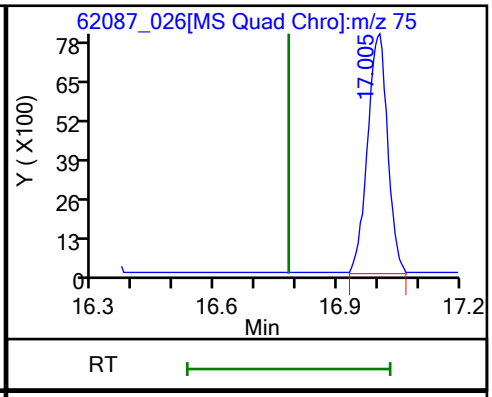
Eurofins Burlington

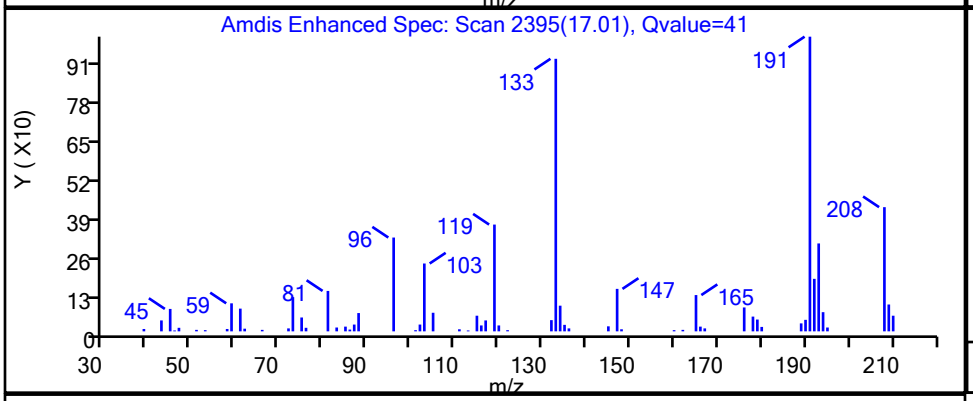
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

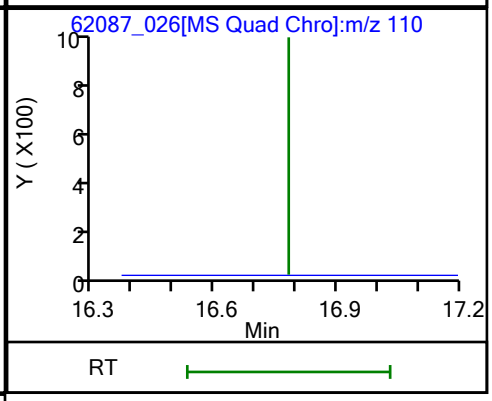
66 trans-1,3-Dichloropropene, CAS: 10061-02-6

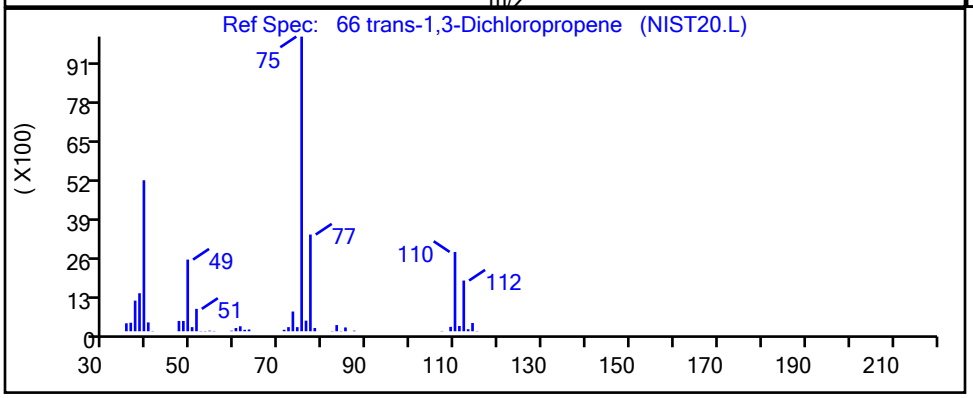
Processing Results











RT	Mass	Response	Amount
17.01	75.00	27405	0.320366
16.78	110.00	0	

Reviewer: F7XK, 18-Sep-2024 16:45:55 07:00:00 (UTC)

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

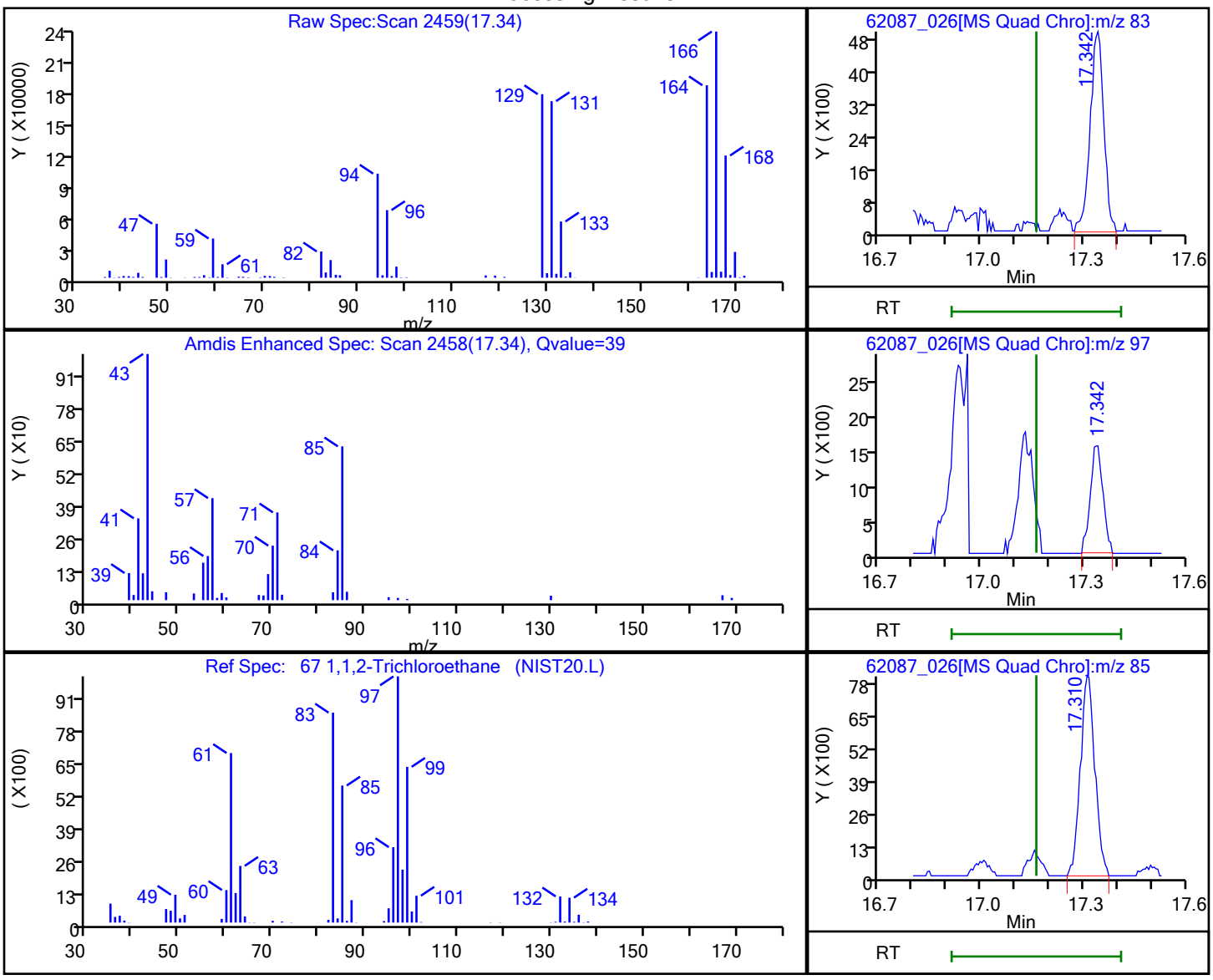
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.34	83.00	13775	0.226863
17.34	97.00	4059	
17.31	85.00	23981	

Reviewer: F7XK, 18-Sep-2024 16:46:01 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

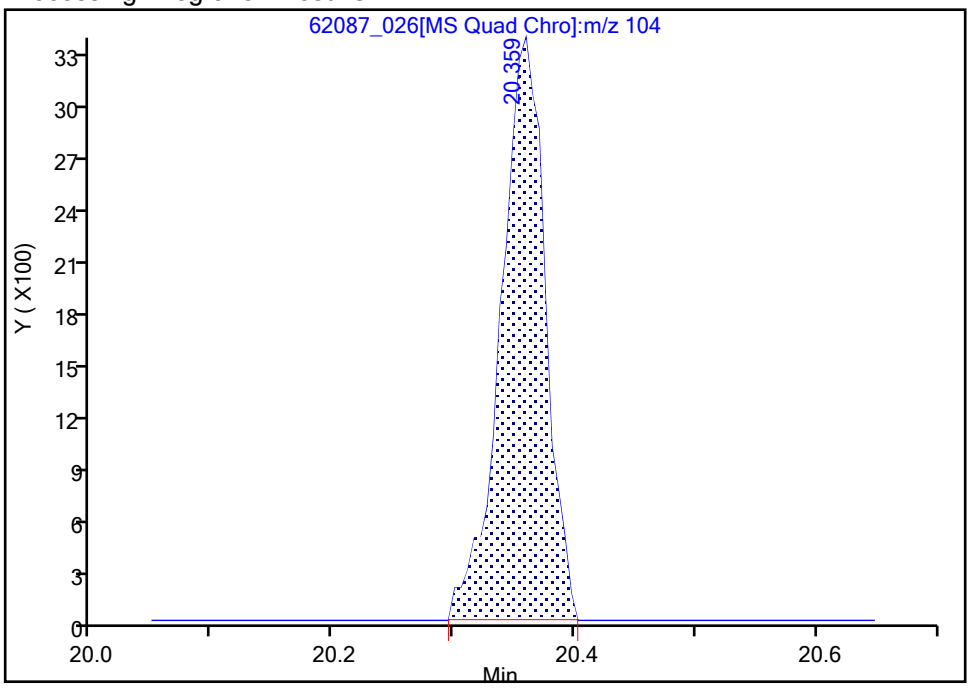
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

79 Styrene, CAS: 100-42-5

Signal: 1

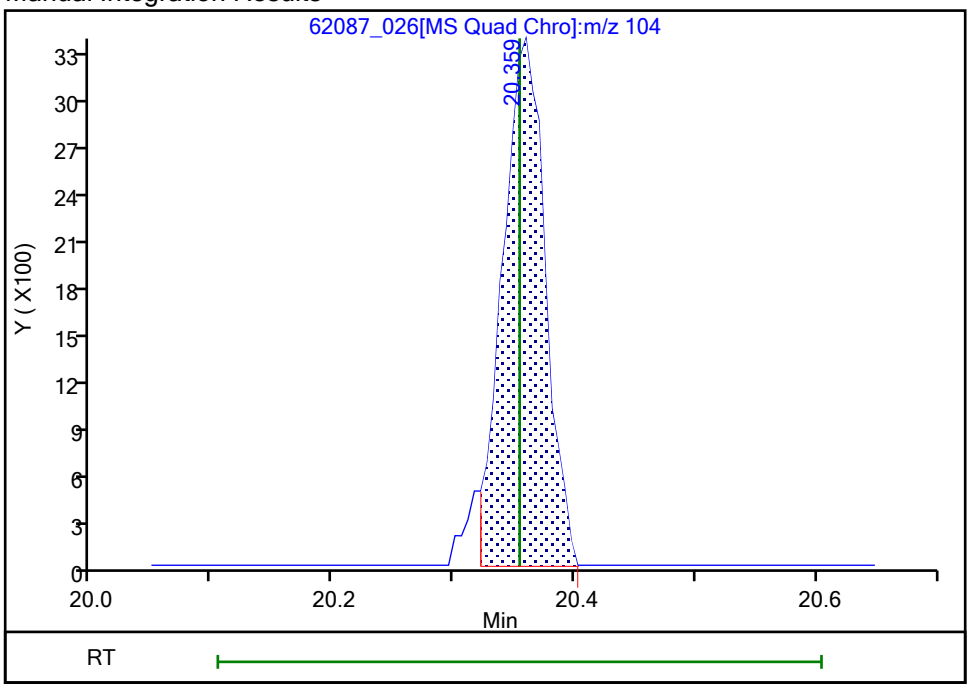
Processing Integration Results

RT: 20.36
Area: 8614
Amount: 0.055801
Amount Units: ppb v/v



Manual Integration Results

RT: 20.36
Area: 8247
Amount: 0.053424
Amount Units: ppb v/v



Reviewer: F7XK, 18-Sep-2024 16:46:28 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

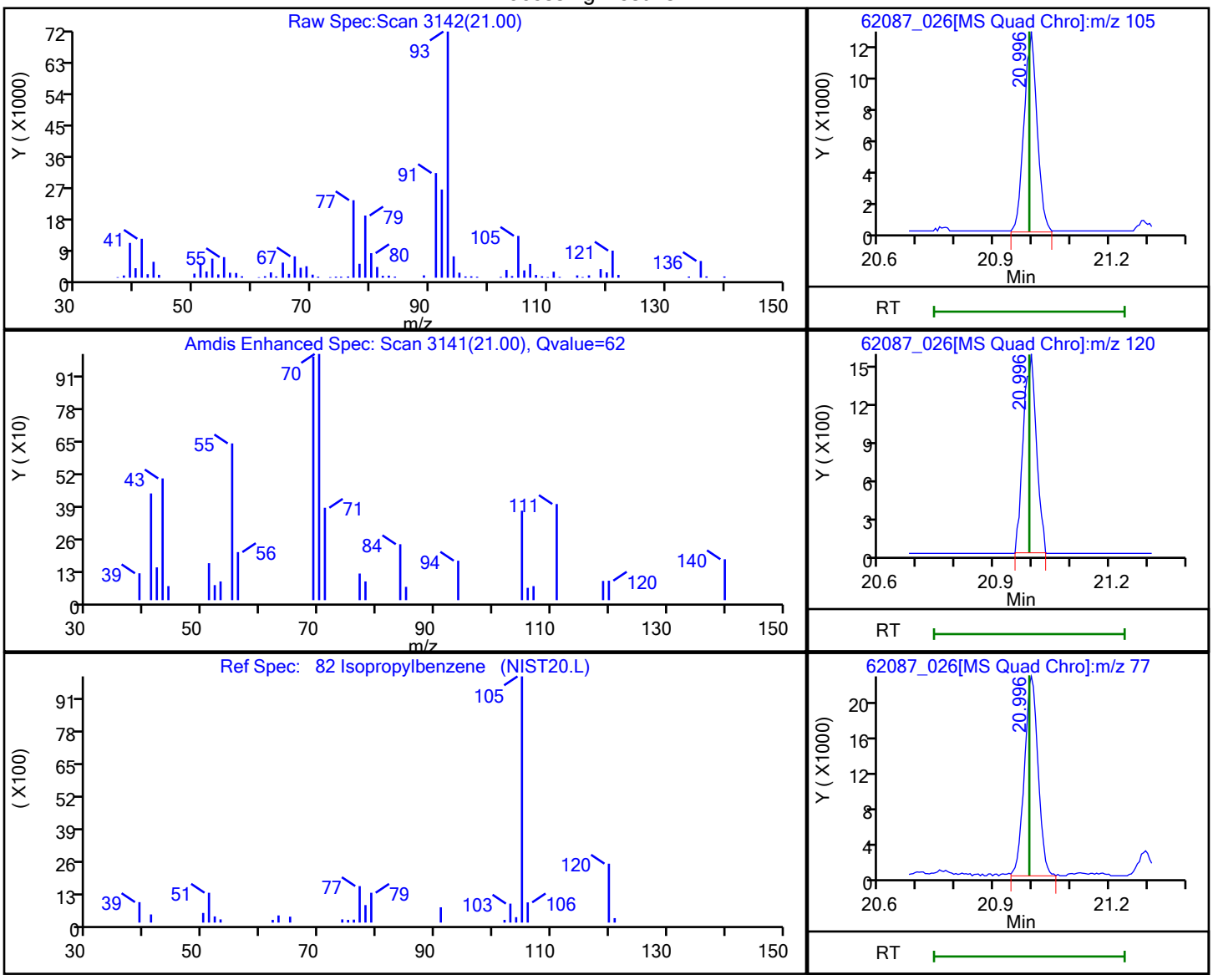
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
21.00	105.00	28765	0.102135
21.00	120.00	3739	
21.00	77.00	56161	

Reviewer: F7XK, 18-Sep-2024 16:46:44 07:00:00 (UTC)

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

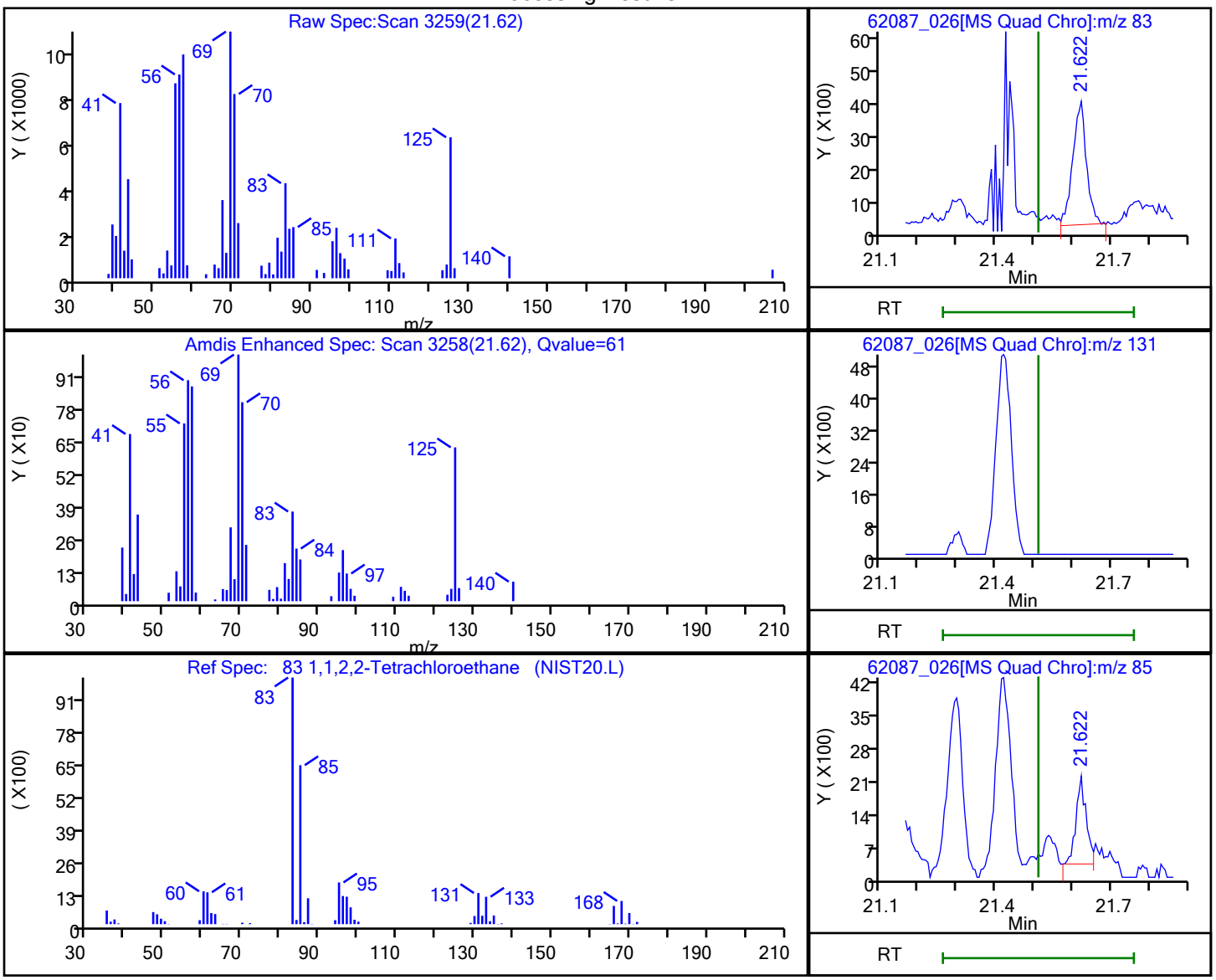
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.62	83.00	9514	0.062238
21.51	131.00	0	
21.62	85.00	3480	

Reviewer: F7XK, 18-Sep-2024 16:46:48 07:00:00 (UTC)

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

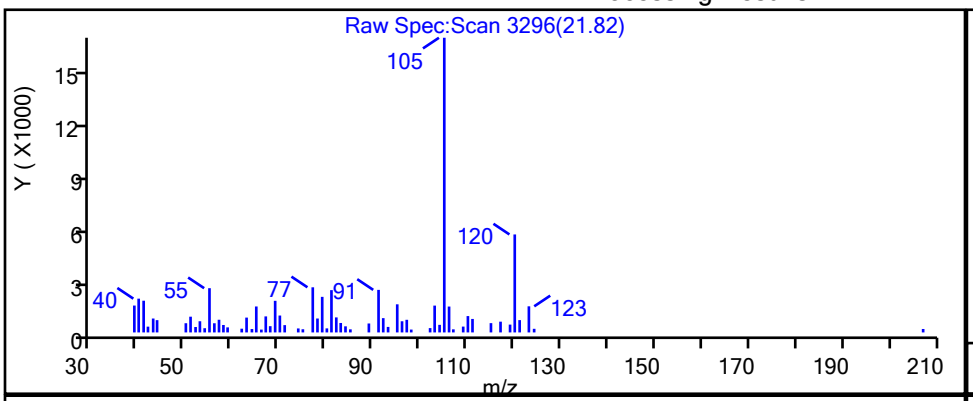
User Disabled Compound Report

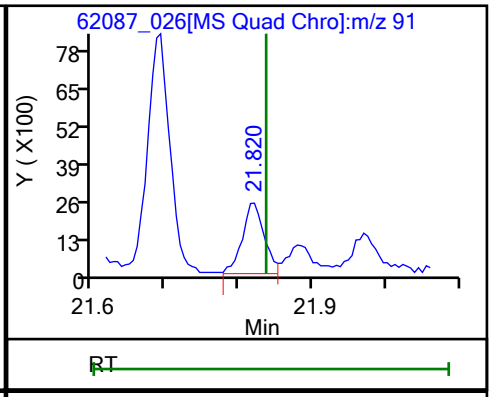
Eurofins Burlington

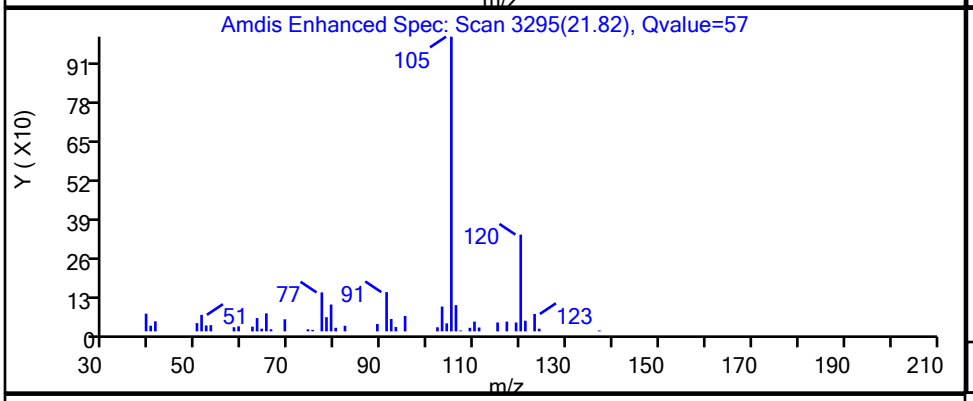
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

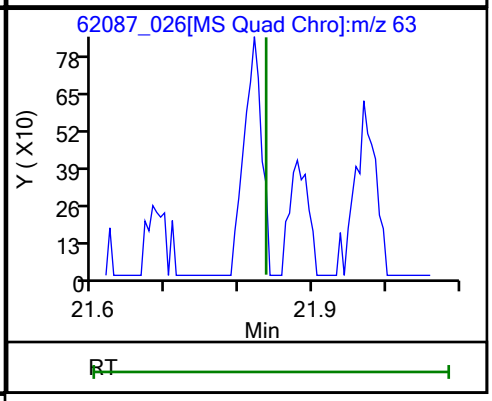
86 2-Chlorotoluene, CAS: 95-49-8

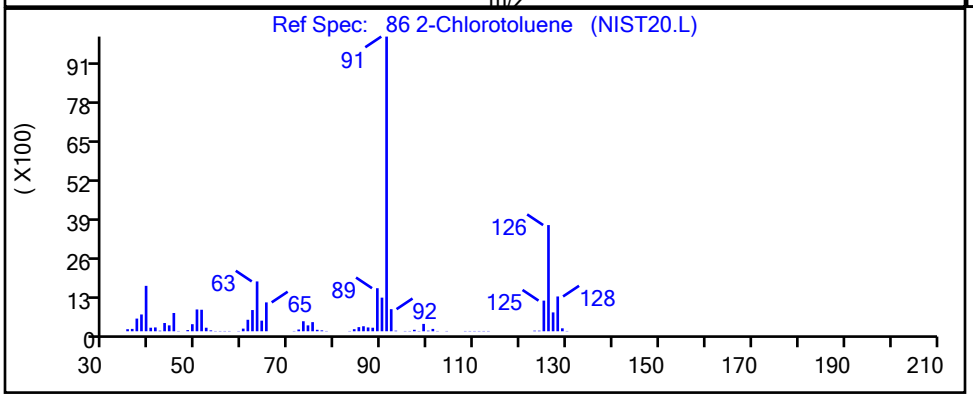
Processing Results











RT	Mass	Response	Amount
21.82	91.00	5014	0.022348
21.84	63.00	0	

Reviewer: F7XK, 18-Sep-2024 16:46:56 07:00:00 (UTC)

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

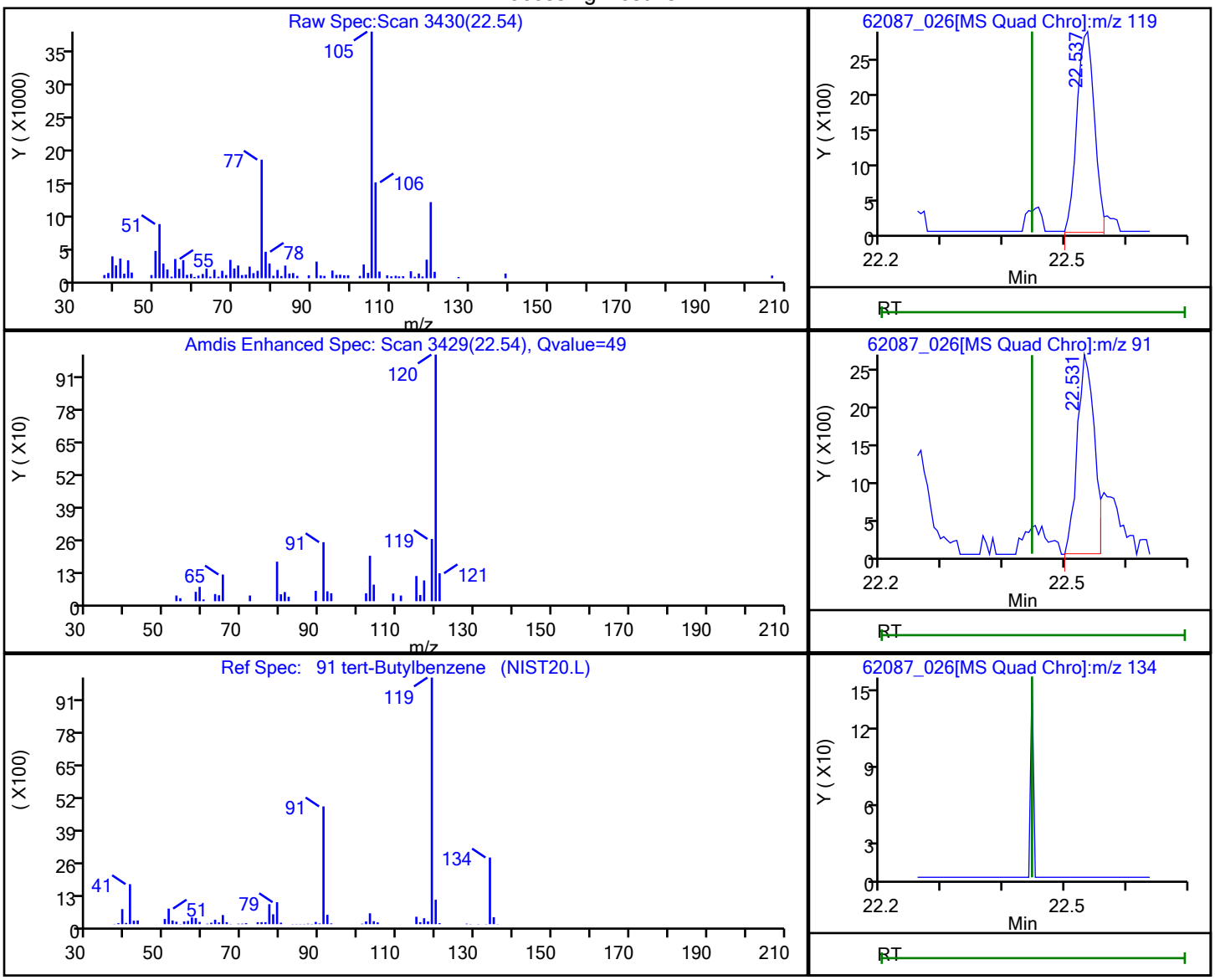
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
22.54	119.00	5548	0.025322
22.53	91.00	5236	
22.45	134.00	0	

Reviewer: F7XK, 18-Sep-2024 16:47:12 07:00:00 (UTC)

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

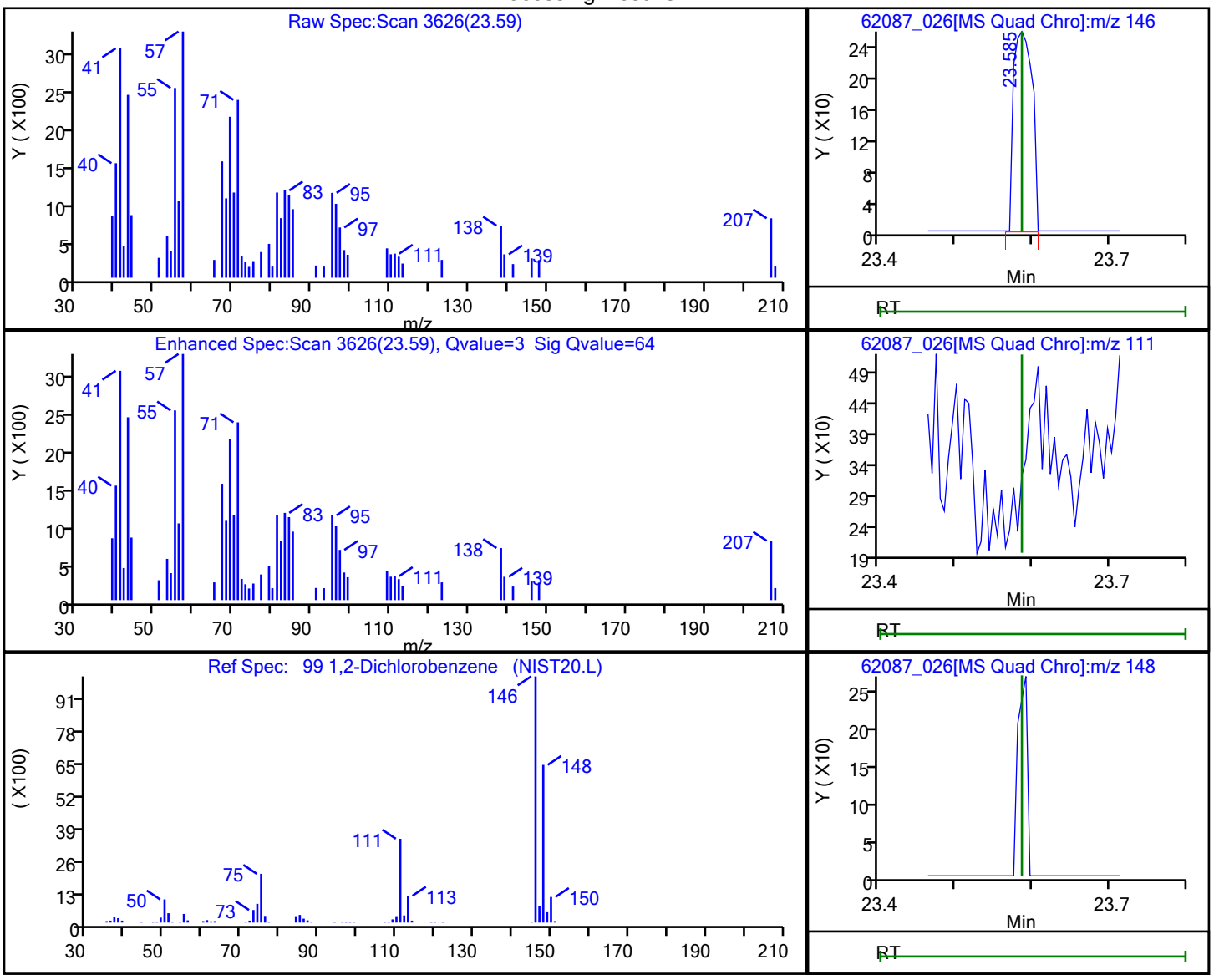
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
23.59	146.00	439	0.002927
23.59	111.00	0	
23.59	148.00	0	

Reviewer: F7XK, 18-Sep-2024 16:47:52 07:00:00 (UTC)

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

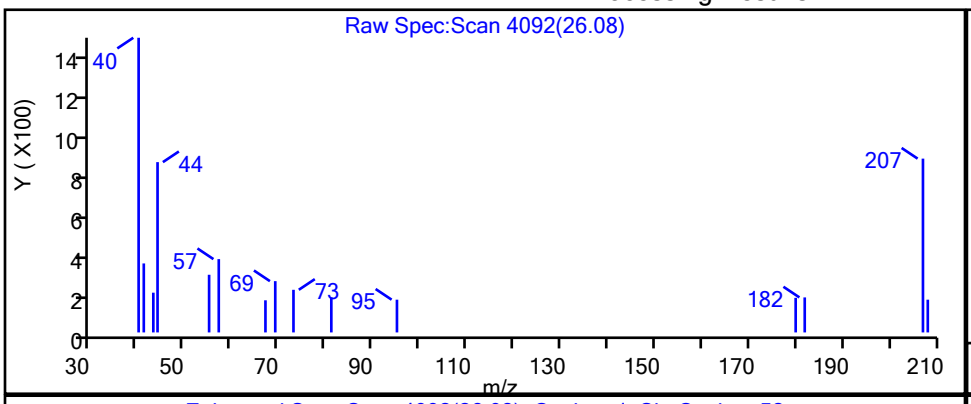
User Disabled Compound Report

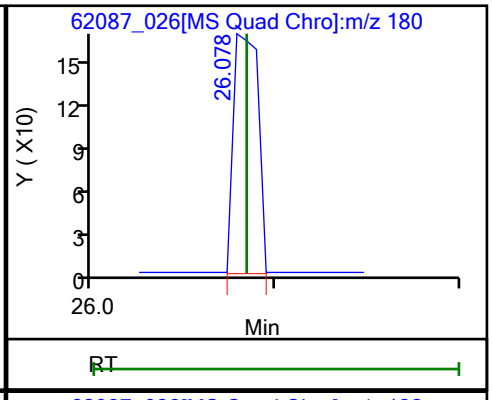
Eurofins Burlington

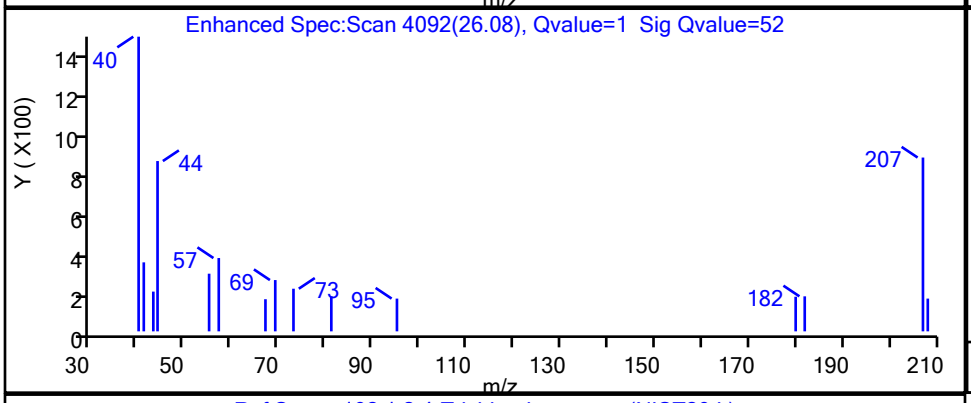
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_026.D				
Injection Date:	18-Sep-2024 04:54:00	Instrument ID:	CHAM.i		
Lims ID:	200-75119-A-8	Lab Sample ID:	200-75119-8		
Client ID:	RXSV-5				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

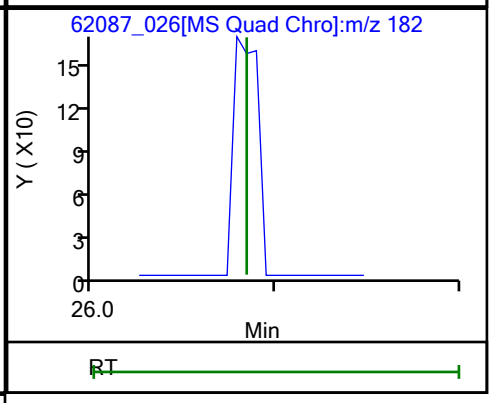
102 1,2,4-Trichlorobenzene, CAS: 120-82-1

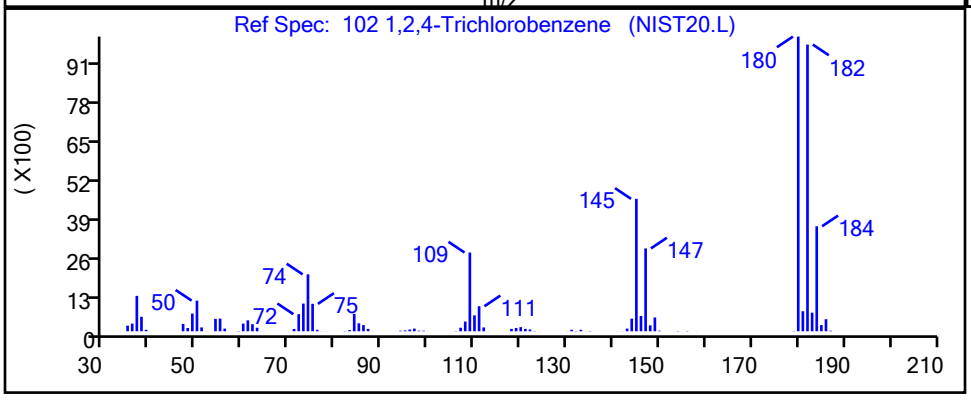
Processing Results











RT	Mass	Response	Amount
26.08	180.00	157	0.001293
26.08	182.00	0	

Reviewer: F7XK, 18-Sep-2024 16:48:11 07:00:00 (UTC)

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

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-1 Lab Sample ID: 200-75119-9

Matrix: Air Lab File ID: 62088-15.d

Analysis Method: TO-15 Date Collected: 09/13/2024 11:12

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.1	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.0	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	0.34	J	1.0	0.31
106-97-8	n-Butane	58.12	1.1	J	1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	54		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	3.3		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	20		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	6.8		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	1.8		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-1 Lab Sample ID: 200-75119-9

Matrix: Air Lab File ID: 62088-15.d

Analysis Method: TO-15 Date Collected: 09/13/2024 11:12

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.25	J	0.93	0.18
71-43-2	Benzene	78.11	1.3		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	2.3		0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.57	J	2.0	0.53
108-88-3	Toluene	92.14	5.1		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	0.82	J	1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.1	J	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	1.2		0.87	0.30
179601-23-1	m,p-Xylene	106.17	4.7		2.2	0.41
95-47-6	o-Xylene	106.17	1.2		0.87	0.27
100-42-5	Styrene	104.15	0.66	J	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.48	J	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	2.4		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.76	J	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-1 Lab Sample ID: 200-75119-9

Matrix: Air Lab File ID: 62088-15.d

Analysis Method: TO-15 Date Collected: 09/13/2024 11:12

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	2.5		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	3.5		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-1 Lab Sample ID: 200-75119-9

Matrix: Air Lab File ID: 62088-15.d

Analysis Method: TO-15 Date Collected: 09/13/2024 11:12

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.43	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.30	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.16	J	0.50	0.15
106-97-8	n-Butane	58.12	0.47	J	0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.19		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	23		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	1.1		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	6.6		5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	2.3		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.36		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-1 Lab Sample ID: 200-75119-9

Matrix: Air Lab File ID: 62088-15.d

Analysis Method: TO-15 Date Collected: 09/13/2024 11:12

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208690 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.053	J	0.20	0.038
71-43-2	Benzene	78.11	0.40		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.56		0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.14	J	0.50	0.13
108-88-3	Toluene	92.14	1.4		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.12	J	0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.27	J	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.27		0.20	0.069
179601-23-1	m,p-Xylene	106.17	1.1		0.50	0.095
95-47-6	o-Xylene	106.17	0.27		0.20	0.063
100-42-5	Styrene	104.15	0.16	J	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.097	J	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20		0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.49		0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	J	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: RXSV-1 Lab Sample ID: 200-75119-9

Matrix: Air Lab File ID: 62088-15.d

Analysis Method: TO-15 Date Collected: 09/13/2024 11:12

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.52		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.59		0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d
Lims ID: 200-75119-A-9
Client ID: RXSV-1
Sample Type: Client
Inject. Date: 17-Sep-2024 20:19:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062088-015
Misc. Info.: 75119-9
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 08:22:57 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: YWL8 Date: 18-Sep-2024 08:22:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.115	4.122	-0.005	99	8973	0.4295	
3 Chlorodifluoromethane	51	4.163	4.159	0.005	95	3462	0.2951	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.457				ND	
5 Chloromethane	50	4.580	4.577	0.005	95	1022	0.1626	
6 Vinyl chloride	62		4.880				ND	
7 Butane	43	4.885	4.887	0.000	98	5617	0.4677	
8 Butadiene	54		4.997				ND	MU
9 Bromomethane	94		5.746				ND	
10 Chloroethane	64		6.041				ND	
13 Vinyl bromide	106		6.511				ND	
14 Trichlorofluoromethane	101	6.693	6.702	-0.006	96	4199	0.1908	
20 1,1-Dichloroethene	96		7.940				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.988				ND	MU
22 Acetone	43	8.036	8.034	0.005	98	263950	22.9	
23 Isopropyl alcohol	45	8.427	8.393	0.038	51	10851	0.9613	
24 Carbon disulfide	76	8.437	8.436	0.005	100	24334	1.07	
26 3-Chloro-1-propene	41		8.774				ND	
27 Methylene Chloride	49	9.058	9.062	0.000	63	622	0.0698	
28 2-Methyl-2-propanol	59	9.336	9.324	0.016	98	106669	6.62	
30 trans-1,2-Dichloroethene	61		9.662				ND	
31 Methyl tert-butyl ether	73		9.673				ND	
32 Hexane	57		10.272				ND	MU
33 1,1-Dichloroethane	63		10.566				ND	
36 2-Butanone (MEK)	72	11.701	11.679	0.027	98	10065	2.30	
37 cis-1,2-Dichloroethene	96		11.706				ND	
* 39 Chlorobromomethane	128	12.177	12.171	0.006	88	68486	10.0	
40 Tetrahydrofuran	42		12.236				ND	
41 Chloroform	83	12.364	12.369	0.000	96	6689	0.3590	
42 1,1,1-Trichloroethane	97		12.712				ND	
43 Cyclohexane	84	12.878	12.878	0.000	68	411	0.0308	
44 Carbon tetrachloride	117	13.027	13.027	0.000	86	424	0.0209	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	13.407	13.402	0.005	97	11655	0.4004	
46 1,2-Dichloroethane	62		13.477				ND	
47 Isooctane	57	13.632	13.632	0.000	92	2263	0.0528	
48 n-Heptane	43	13.964	13.964	0.000	95	8428	0.5642	
* 49 1,4-Difluorobenzene	114	14.188	14.188	0.000	94	362814	10.0	
51 Trichloroethene	95		14.659				ND	
53 1,2-Dichloropropane	63		15.140				ND	
54 Methyl methacrylate	69		15.215				ND	MU
55 1,4-Dioxane	88		15.285				ND	
58 Dichlorobromomethane	83		15.627				ND	
59 cis-1,3-Dichloropropene	75		16.473				ND	
61 4-Methyl-2-pentanone (MIBK)	43	16.740	16.729	0.011	92	2604	0.1391	
62 Toluene	92	17.152	17.147	0.005	94	29180	1.37	
66 trans-1,3-Dichloropropene	75		17.559				ND	MU
67 1,1,2-Trichloroethane	83		17.949				ND	
68 Tetrachloroethene	166	18.179	18.179	0.000	95	2481	0.1208	
69 2-Hexanone	43	18.372	18.361	0.011	94	4725	0.2679	
70 Chlorodibromomethane	129		18.725				ND	
71 Ethylene Dibromide	107		18.982				ND	
* 73 Chlorobenzene-d5	117	19.912	19.912	0.000	86	314676	10.0	
74 Chlorobenzene	112		19.971				ND	
75 Ethylbenzene	91	20.153	20.153	0.000	98	12743	0.2689	
76 m-Xylene & p-Xylene	106	20.399	20.410	-0.011	0	20976	1.09	
78 o-Xylene	106	21.121	21.116	0.005	99	4851	0.2652	
79 Styrene	104	21.148	21.148	0.000	96	4539	0.1551	
81 Bromoform	173		21.469				ND	
82 Isopropylbenzene	105	21.747	21.737	0.010	88	5311	0.0970	
83 1,1,2,2-Tetrachloroethane	83		22.197				ND	MU
85 N-Propylbenzene	91	22.395	22.395	0.000	99	12623	0.1994	
86 2-Chlorotoluene	91		22.544				ND	MU
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	26456	0.4948	
88 1,3,5-Trimethylbenzene	105	22.662	22.657	0.005	93	7084	0.1541	
91 tert-Butylbenzene	119		23.122				ND	MU
92 1,2,4-Trimethylbenzene	105	23.208	23.202	0.006	96	23641	0.5180	
93 sec-Butylbenzene	105		23.438				ND	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	97	18942	0.5898	
95 4-Isopropyltoluene	119	23.652	23.652	0.000	1	1551	0.0261	M
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	1	796	0.0256	M
97 Benzyl chloride	91		23.930				ND	
98 n-Butylbenzene	91		24.256				ND	MU
99 1,2-Dichlorobenzene	146		24.315				ND	
102 1,2,4-Trichlorobenzene	180		27.033				ND	
103 Hexachlorobutadiene	225		27.306				ND	
104 Naphthalene	128	27.589	27.584	0.005	93	1595	0.0371	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

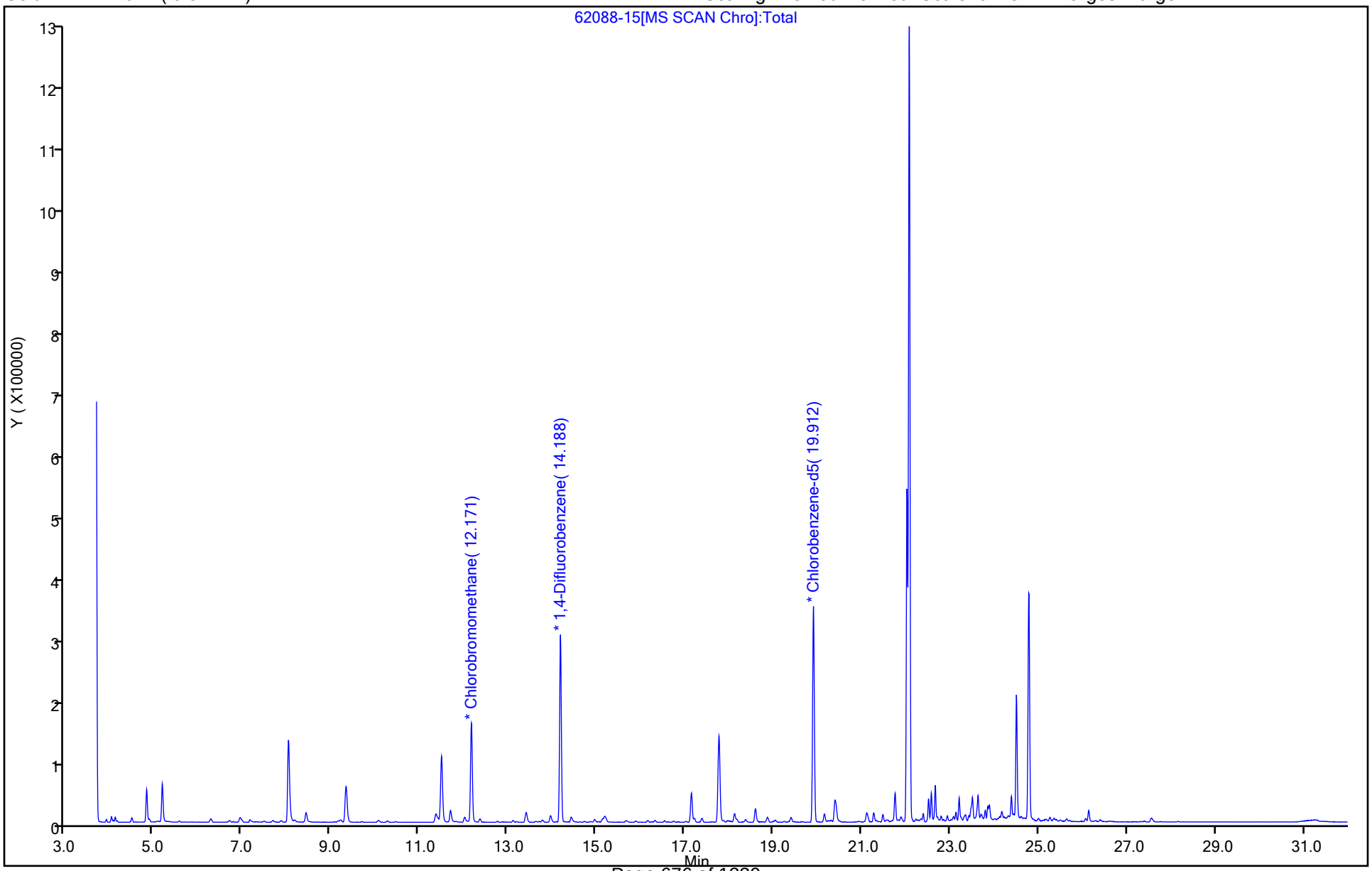
ATTO15WISs_00010 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 08:22:57 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9	Worklist Smp#:	15
Client ID:	RXSV-1				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 18-Sep-2024 08:22:57 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date: 17-Sep-2024 20:19:30 Instrument ID: CHW.i

Lims ID: 200-75119-A-9 Lab Sample ID: 200-75119-9

Client ID: RXSV-1

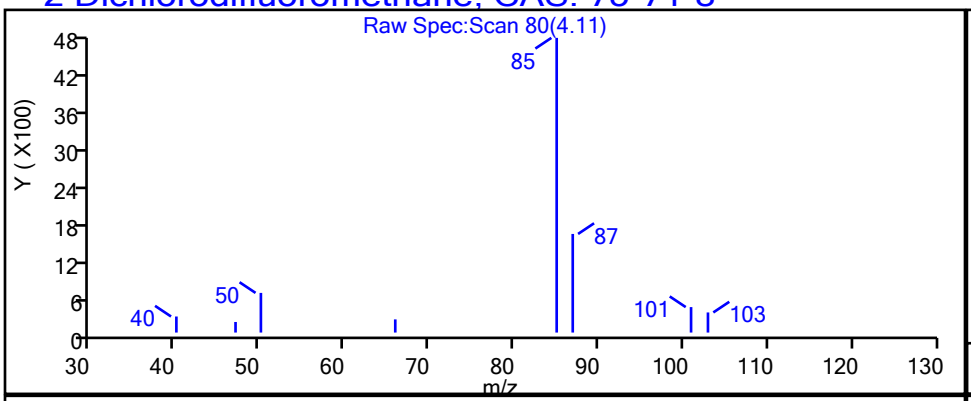
Operator ID: vtp ALS Bottle#: 14 Worklist Smp#: 15

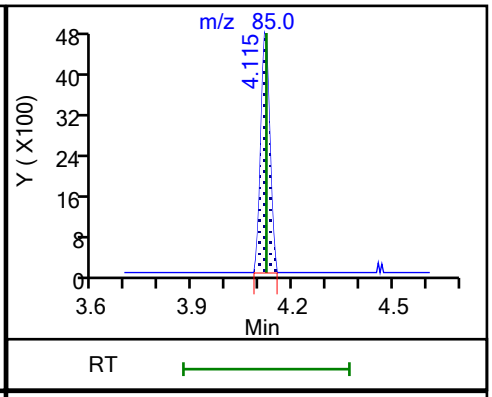
Purge Vol: 200.000 mL Dil. Factor: 1.0000

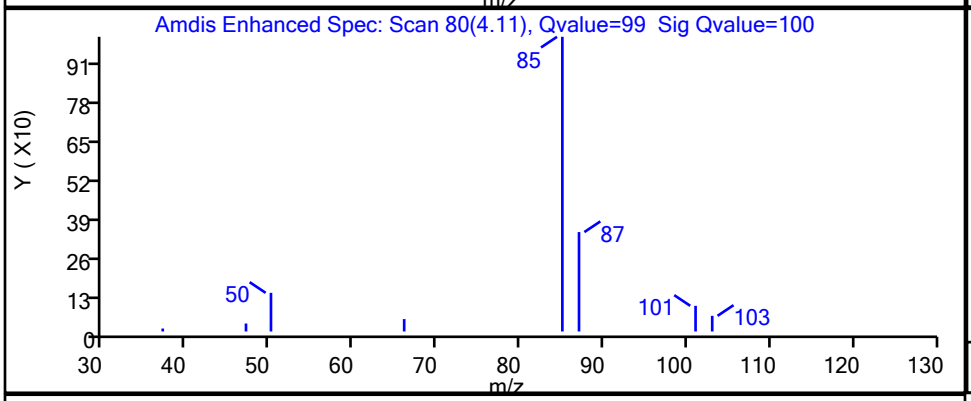
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL

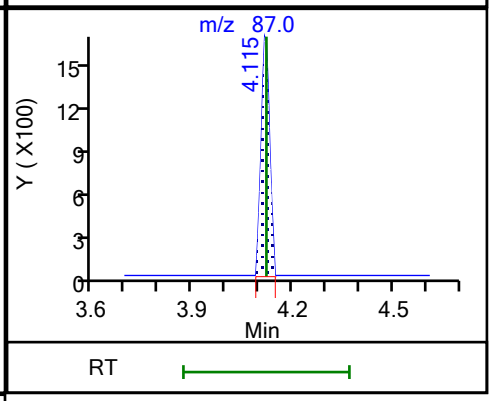
Column: RTX-624 (0.32 mm) Detector MS SCAN

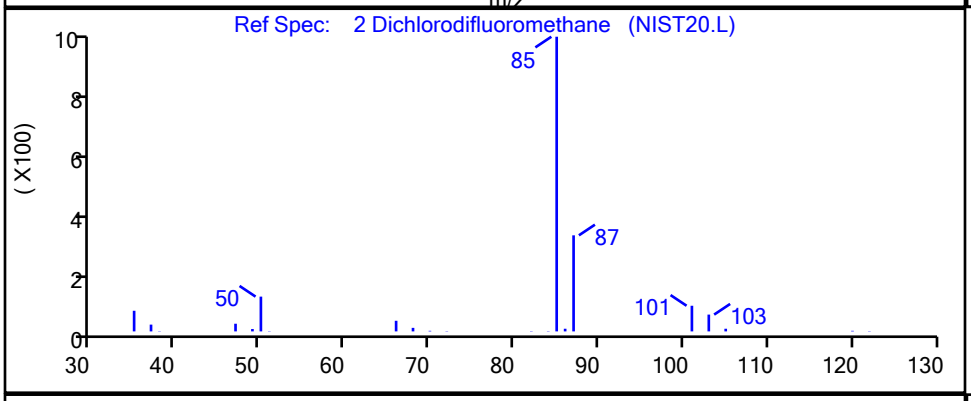
2 Dichlorodifluoromethane, CAS: 75-71-8

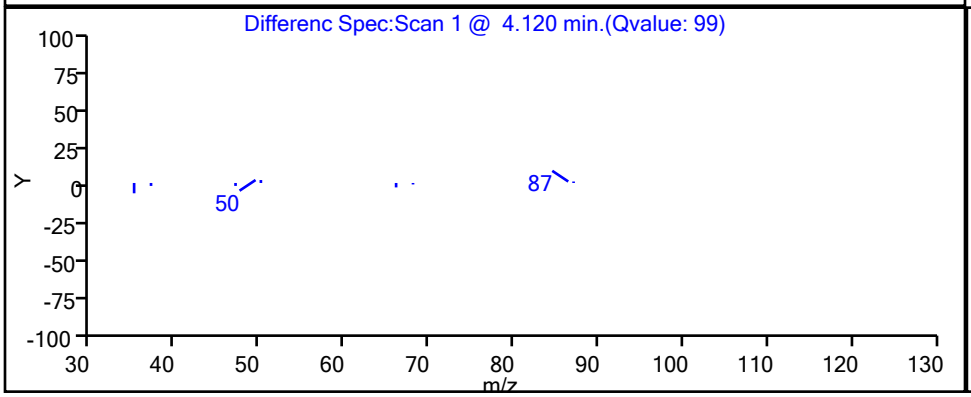


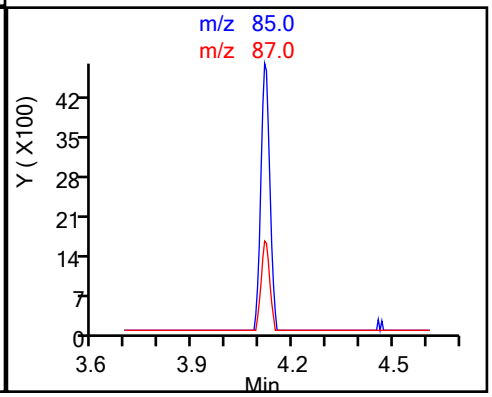












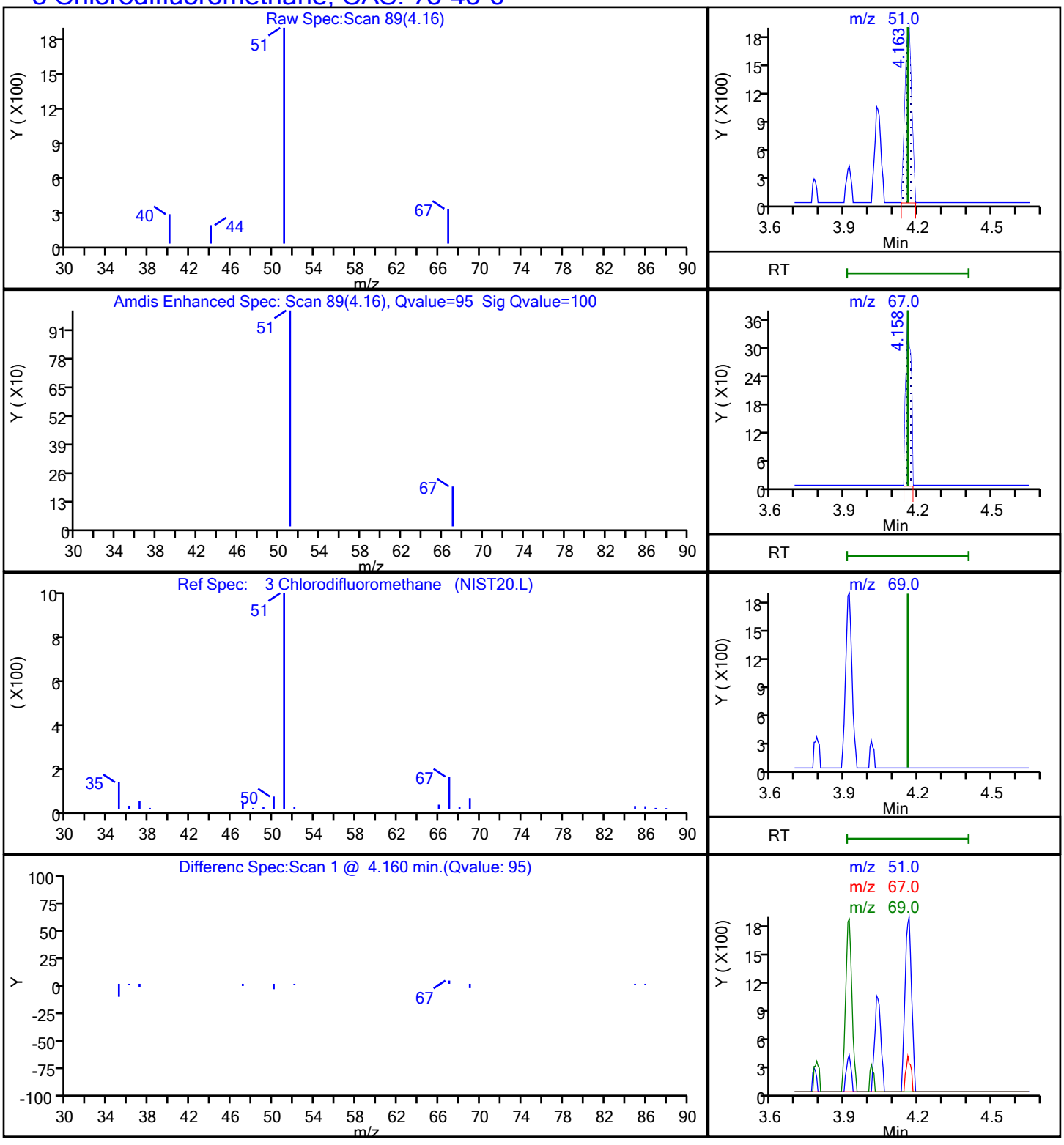
Report Date: 18-Sep-2024 08:22:57 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



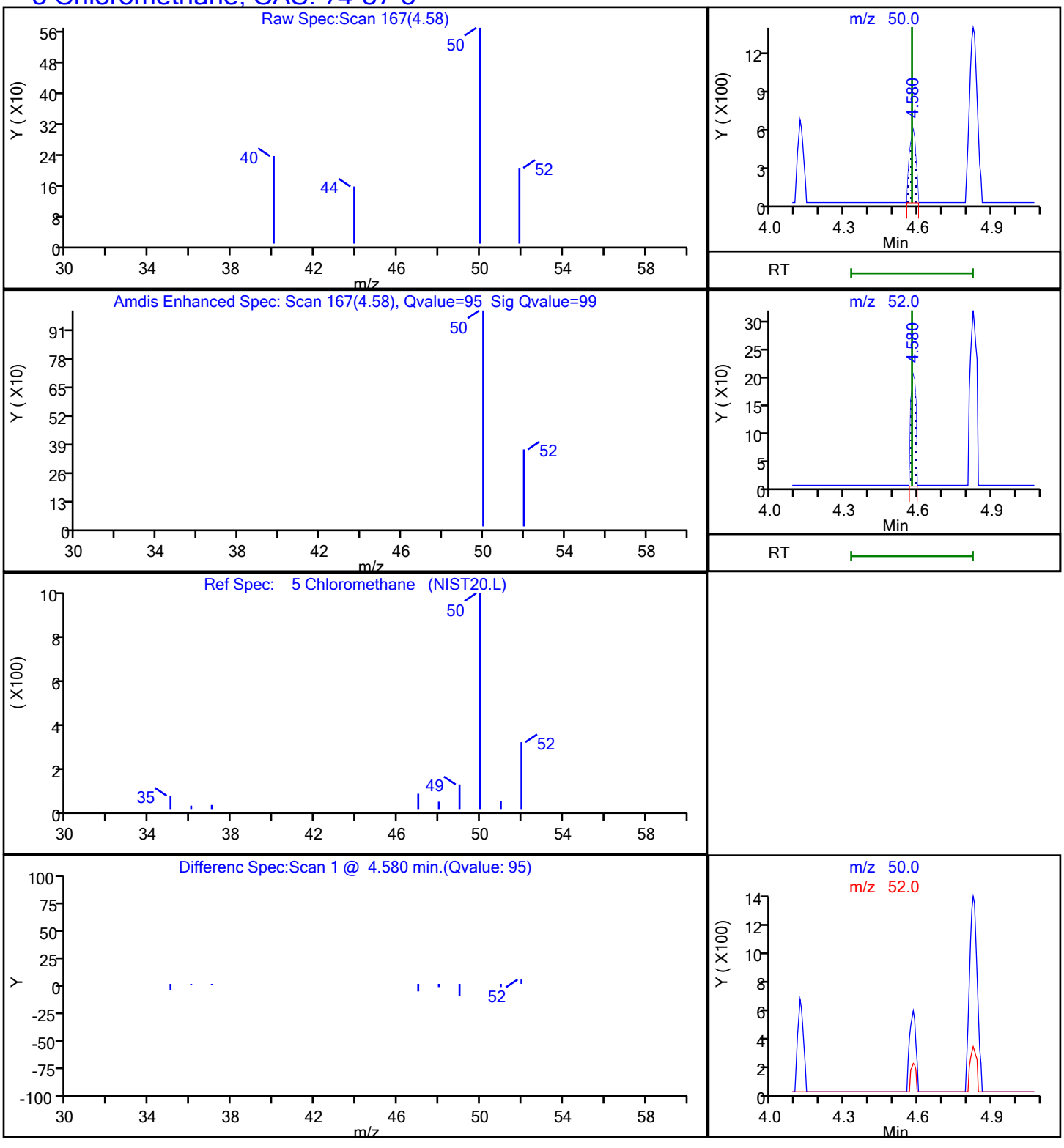
Report Date: 18-Sep-2024 08:22:57 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Chloromethane, CAS: 74-87-3



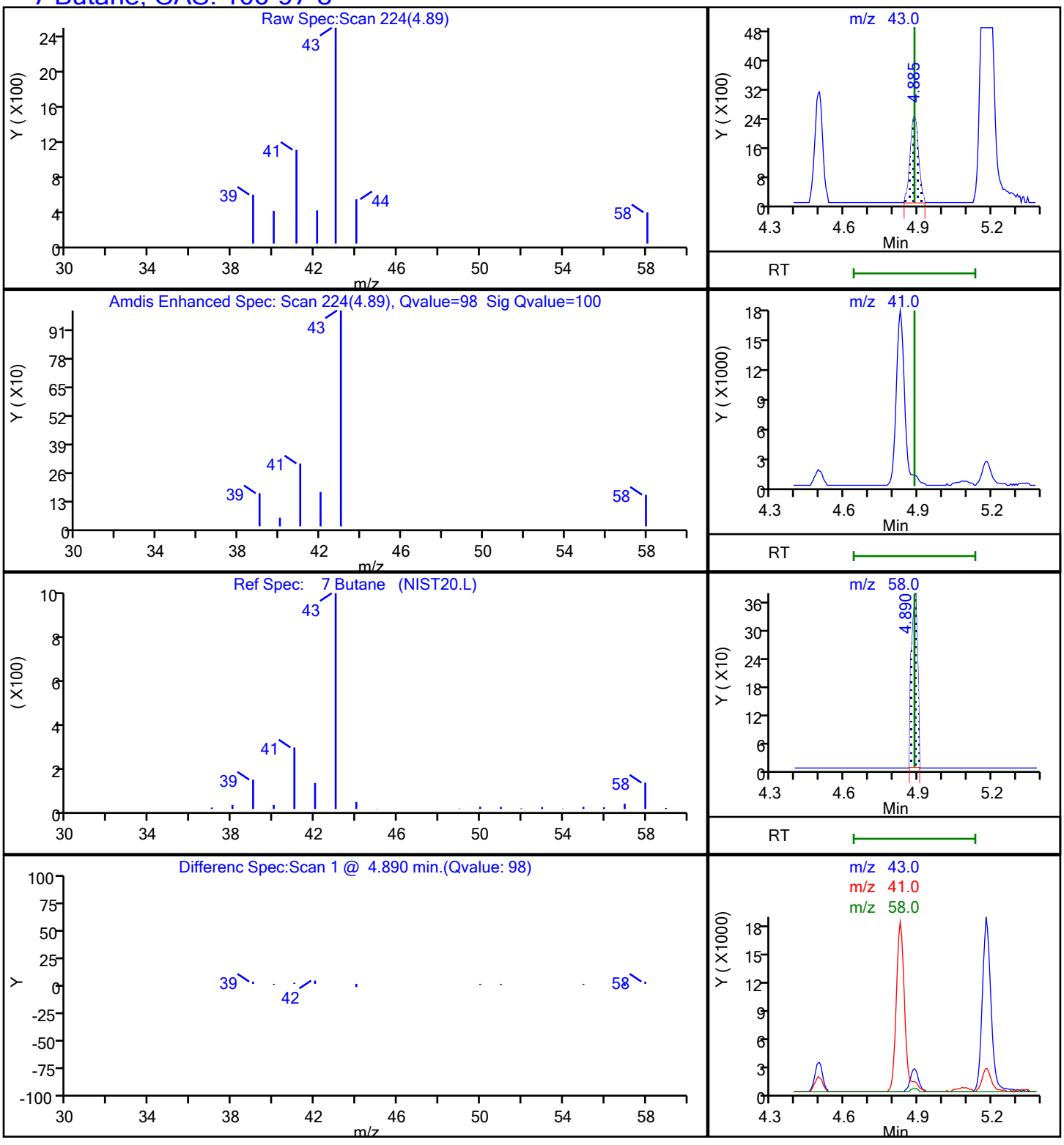
Report Date: 18-Sep-2024 08:22:57 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8



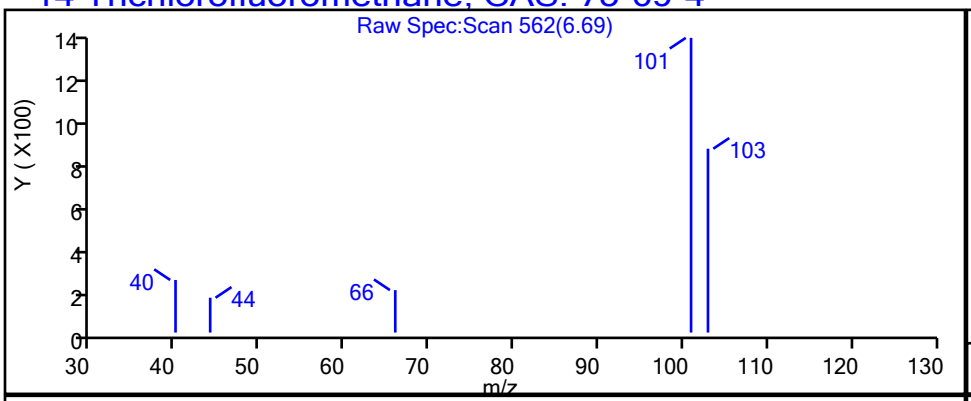
Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

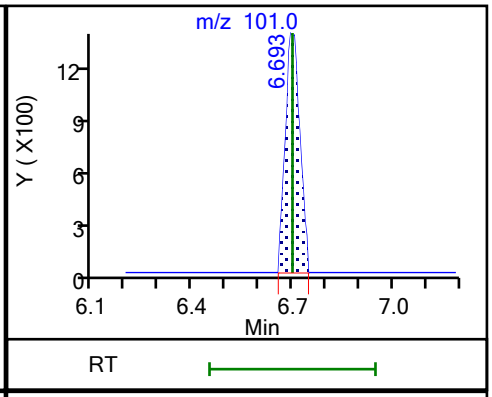
Eurofins Burlington

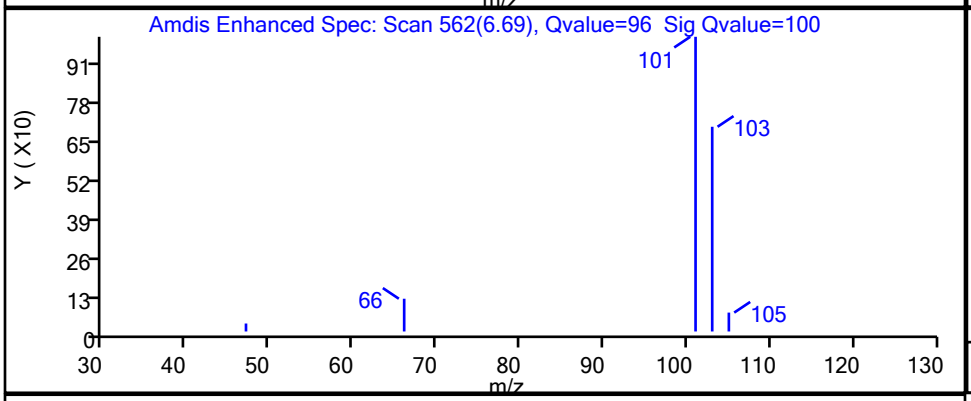
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

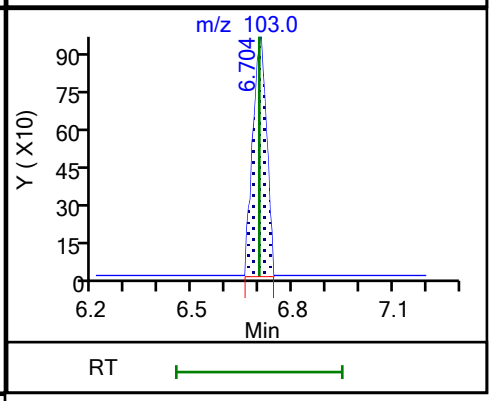
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

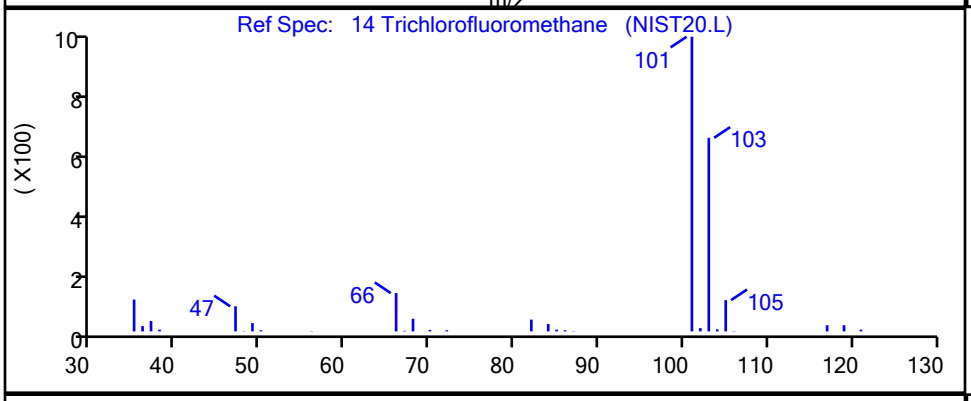
14 Trichlorofluoromethane, CAS: 75-69-4

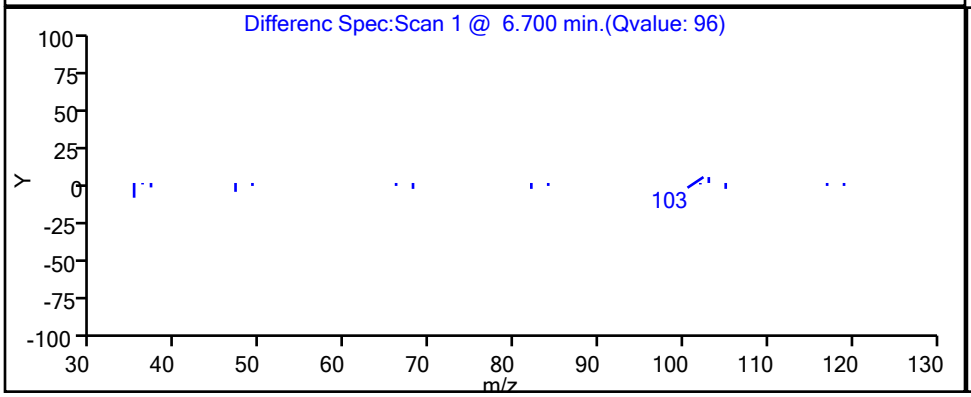


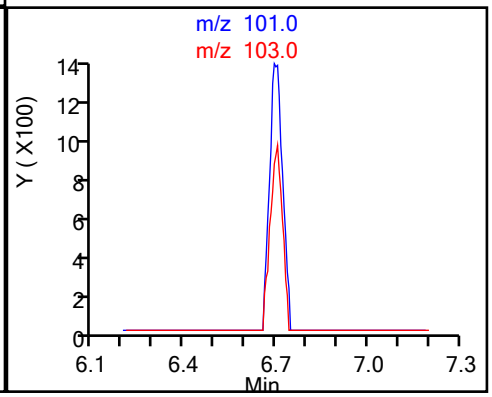












Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date: 17-Sep-2024 20:19:30 Instrument ID: CHW.i

Lims ID: 200-75119-A-9 Lab Sample ID: 200-75119-9

Client ID: RXSV-1

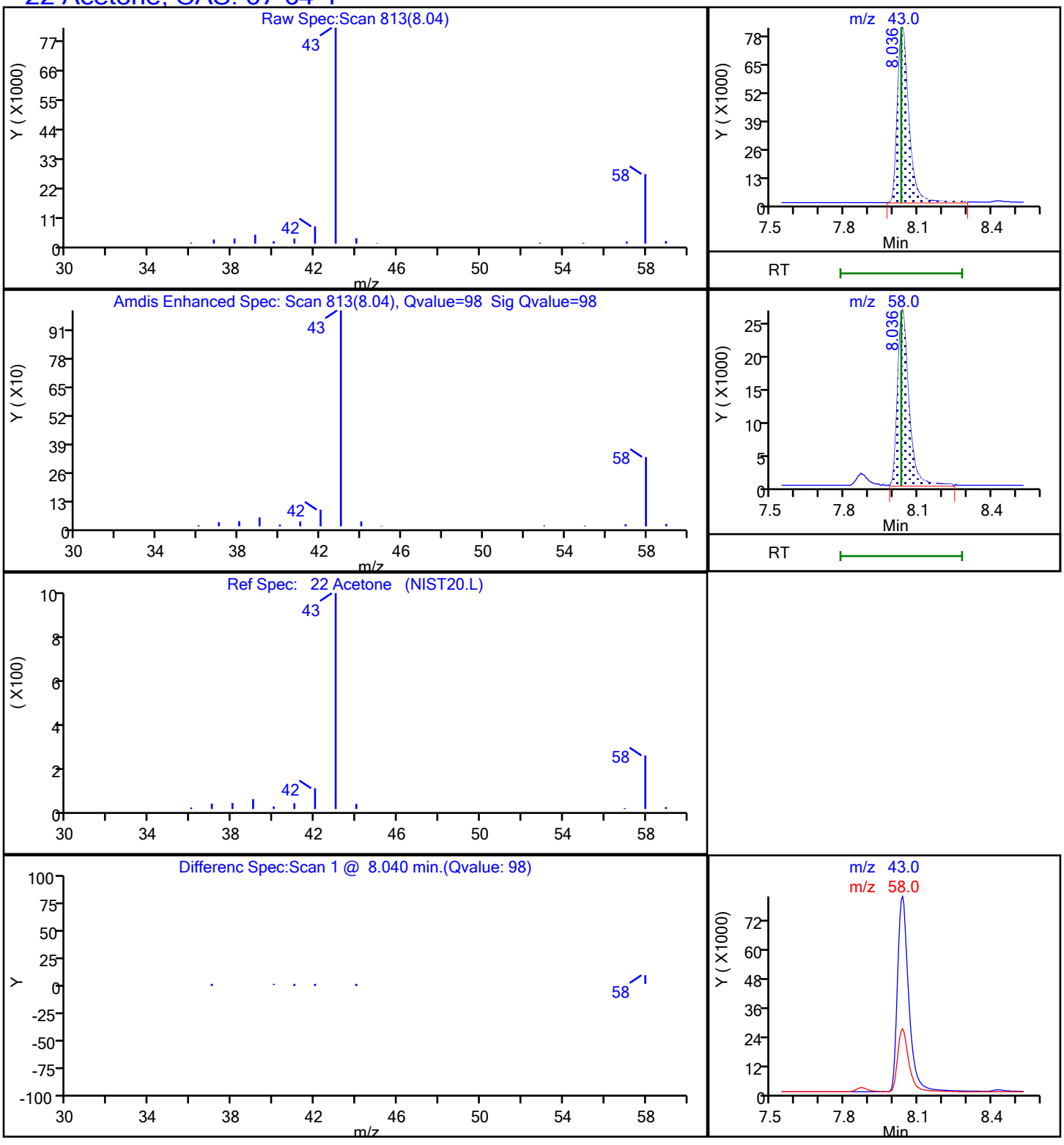
Operator ID: vtp ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1



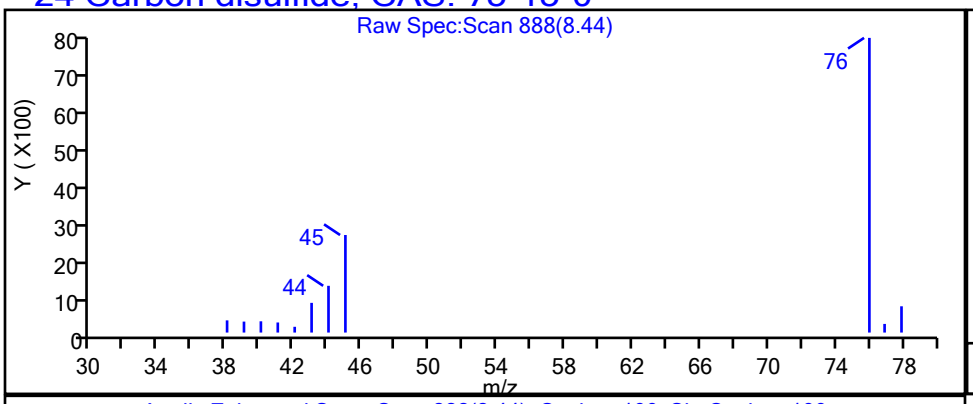
Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

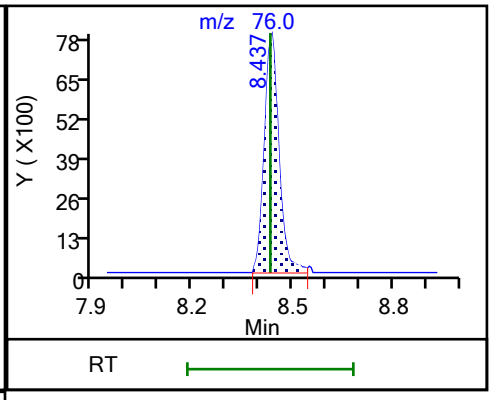
Eurofins Burlington

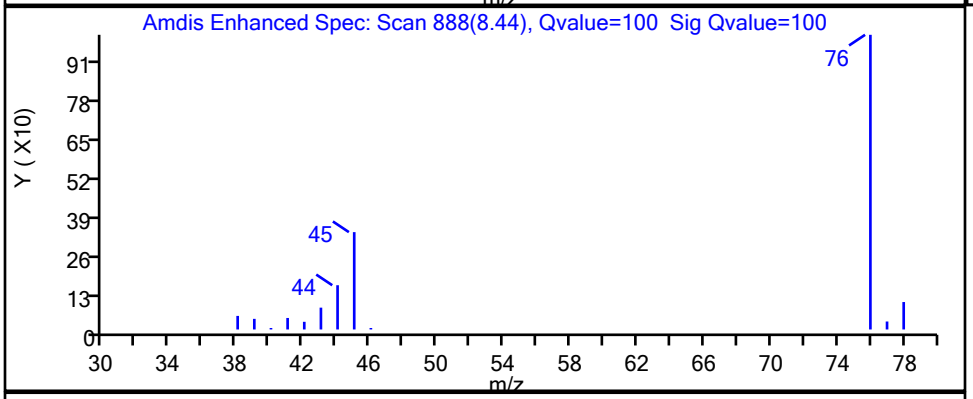
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

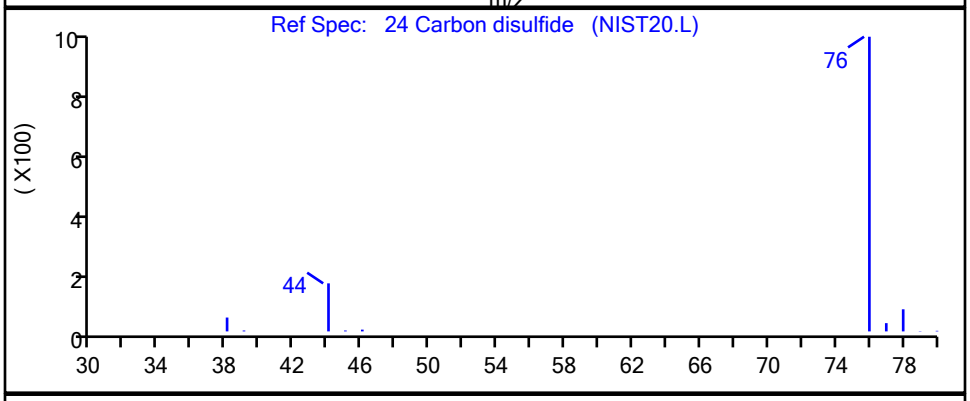
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

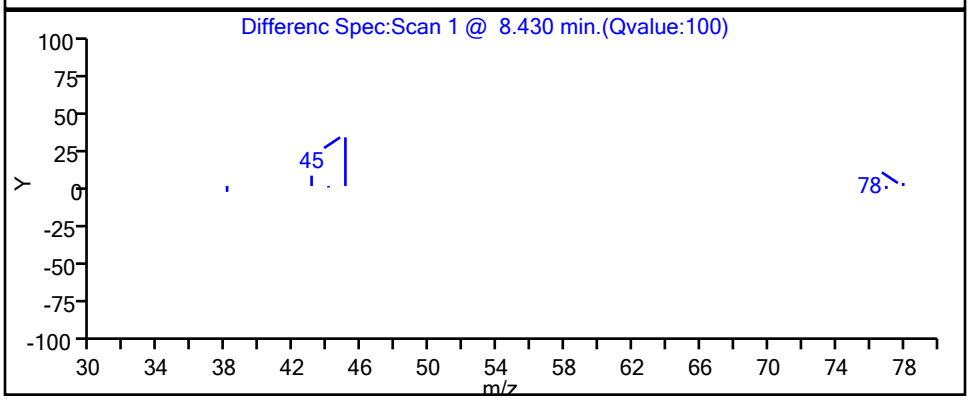
24 Carbon disulfide, CAS: 75-15-0











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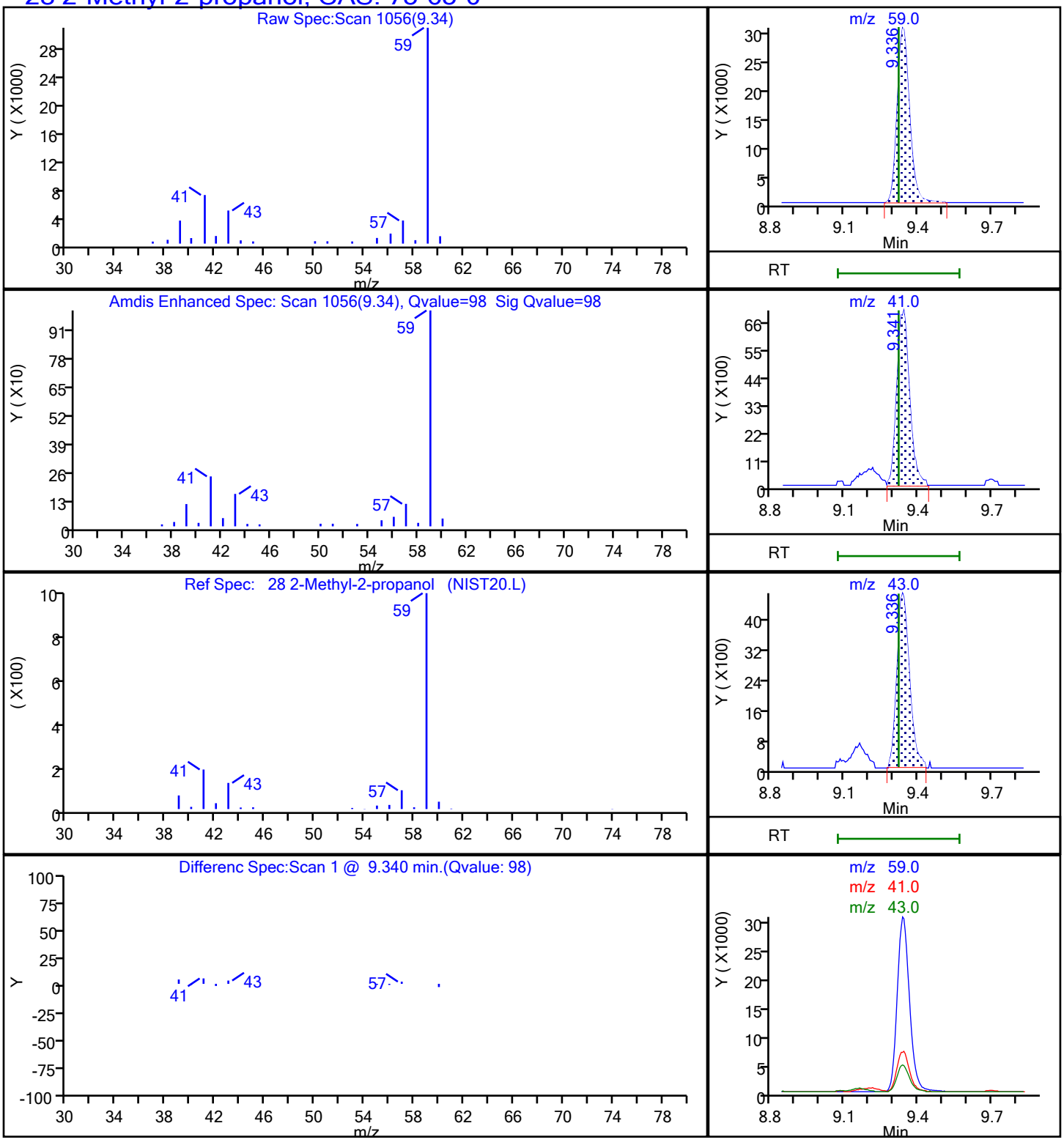
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



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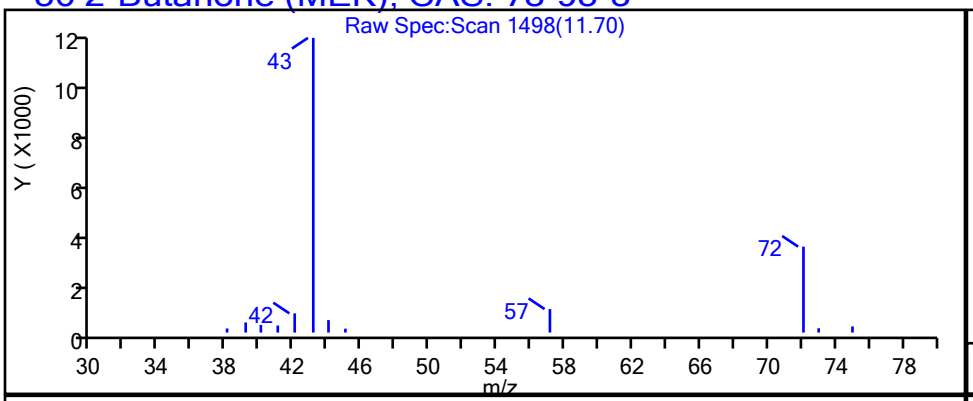
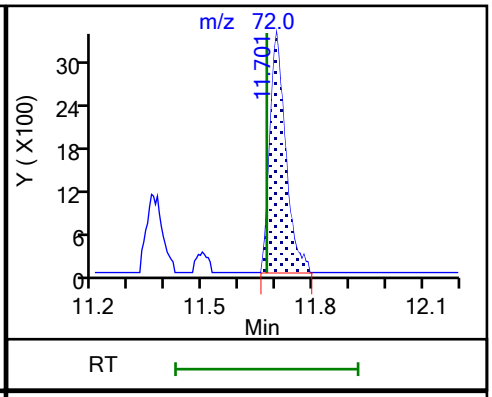
Eurofins Burlington

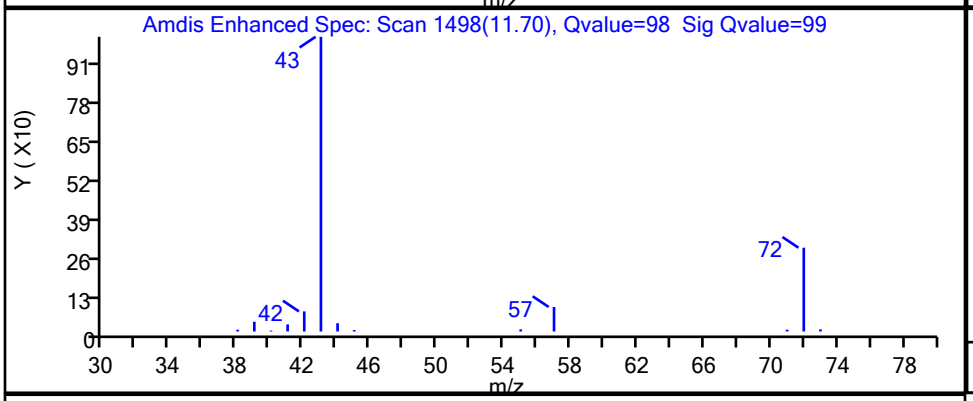
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

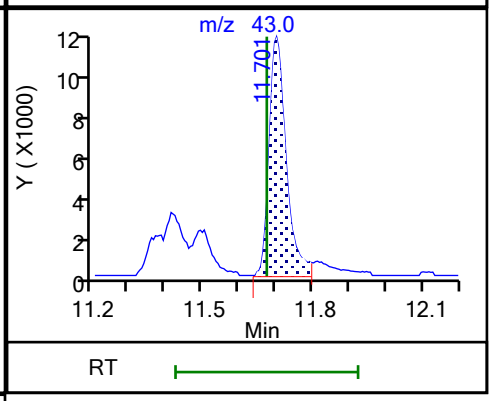
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

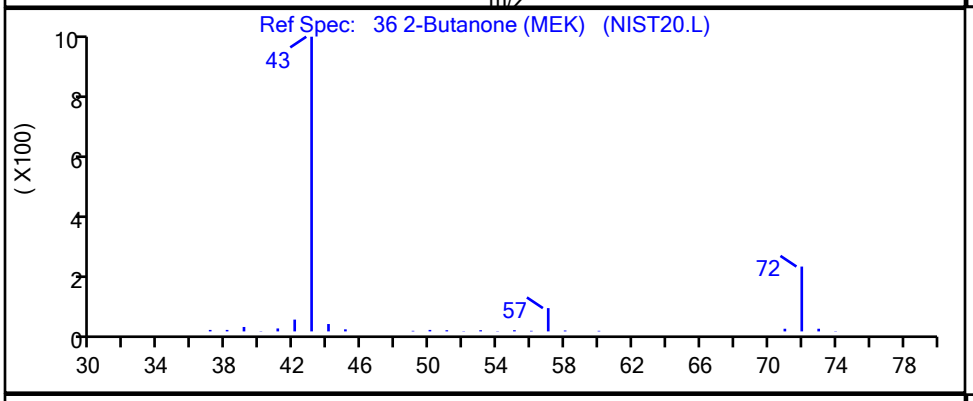
36 2-Butanone (MEK), CAS: 78-93-3

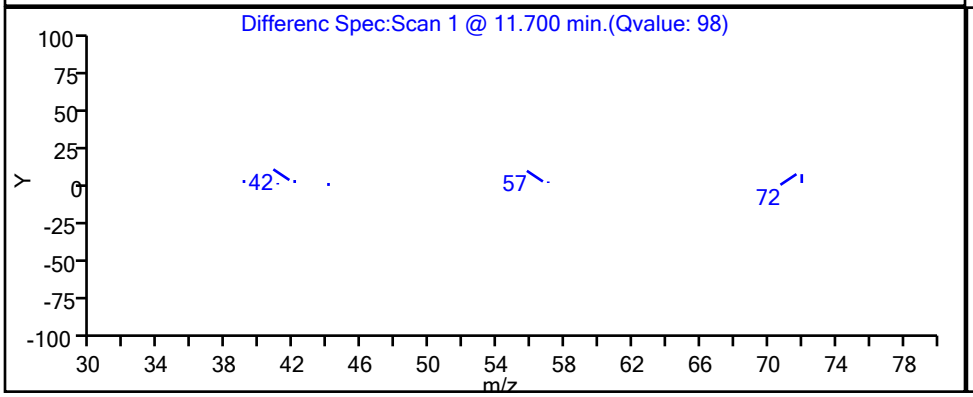


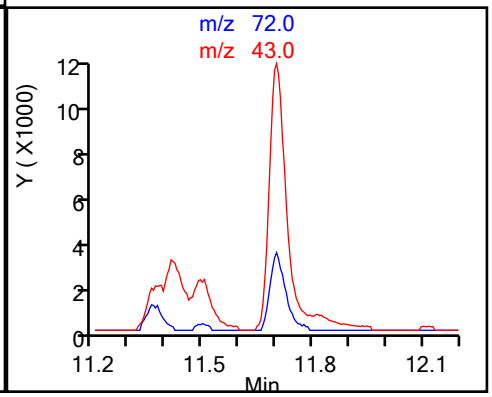












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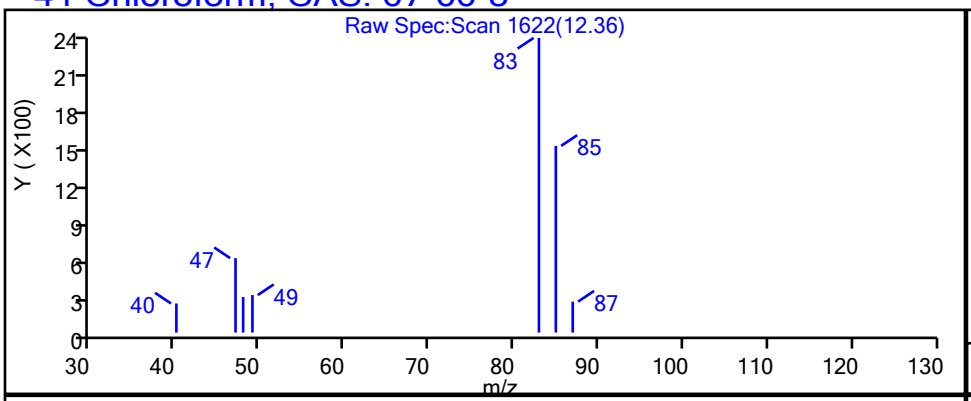
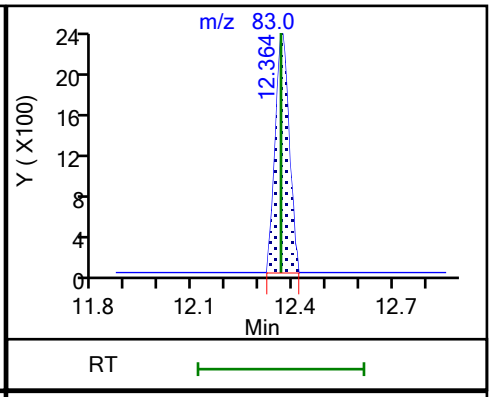
Eurofins Burlington

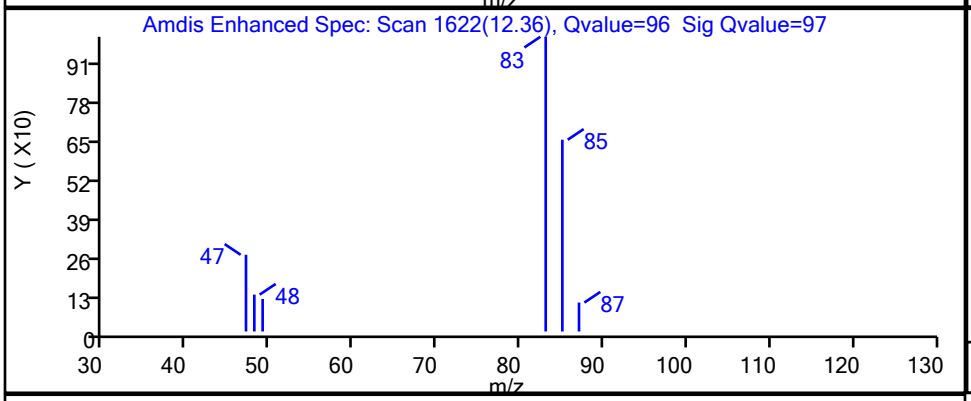
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

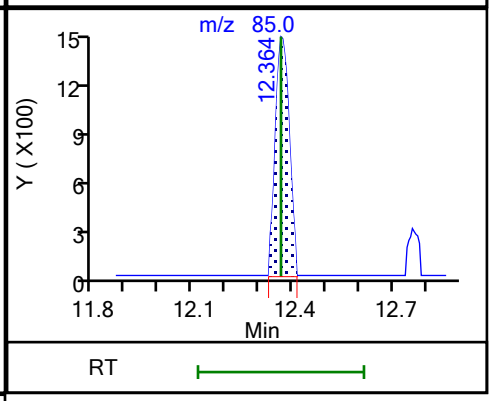
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

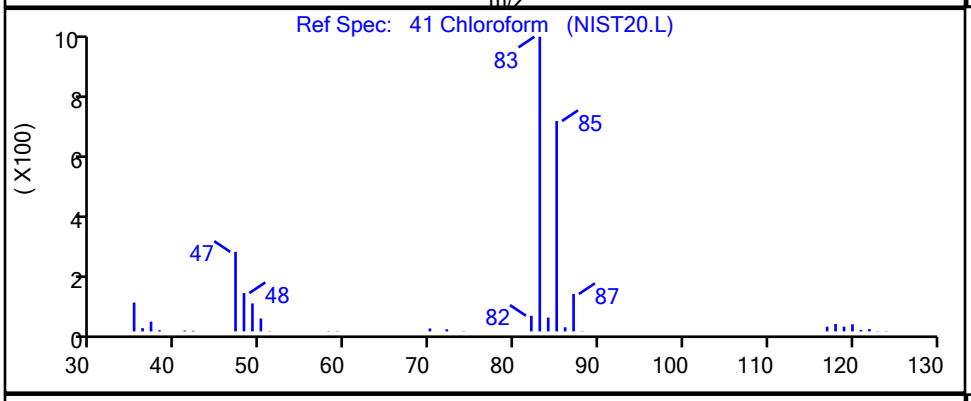
41 Chloroform, CAS: 67-66-3

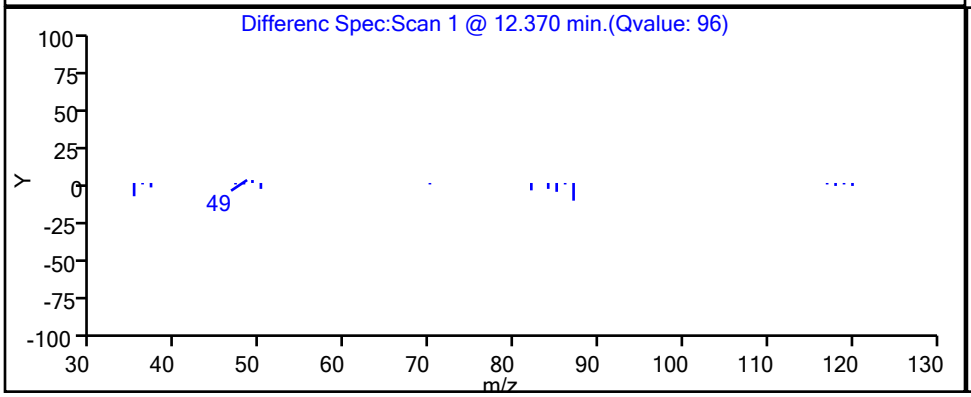


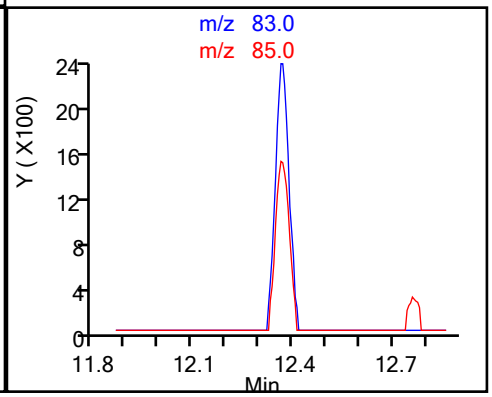












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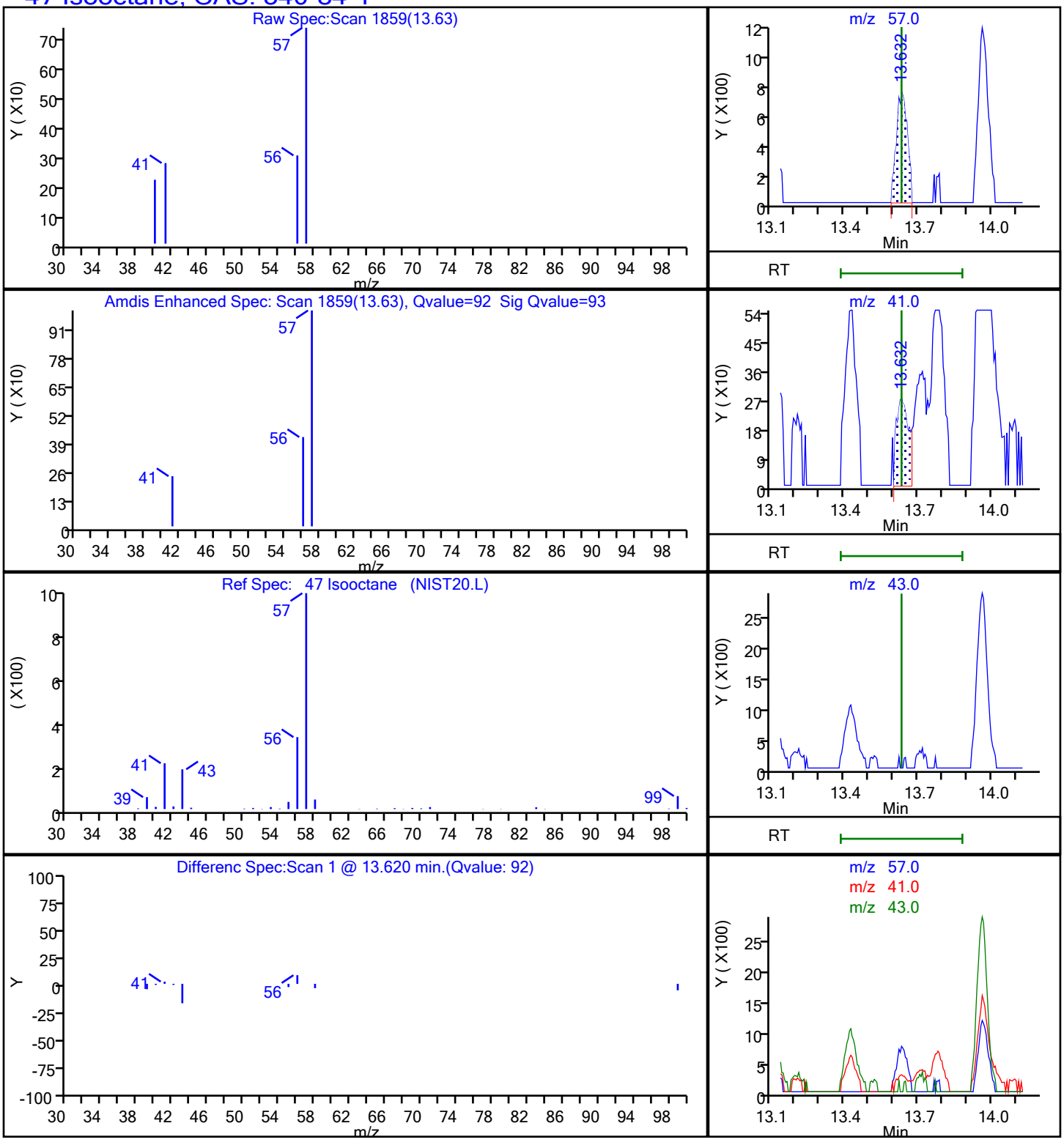
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1



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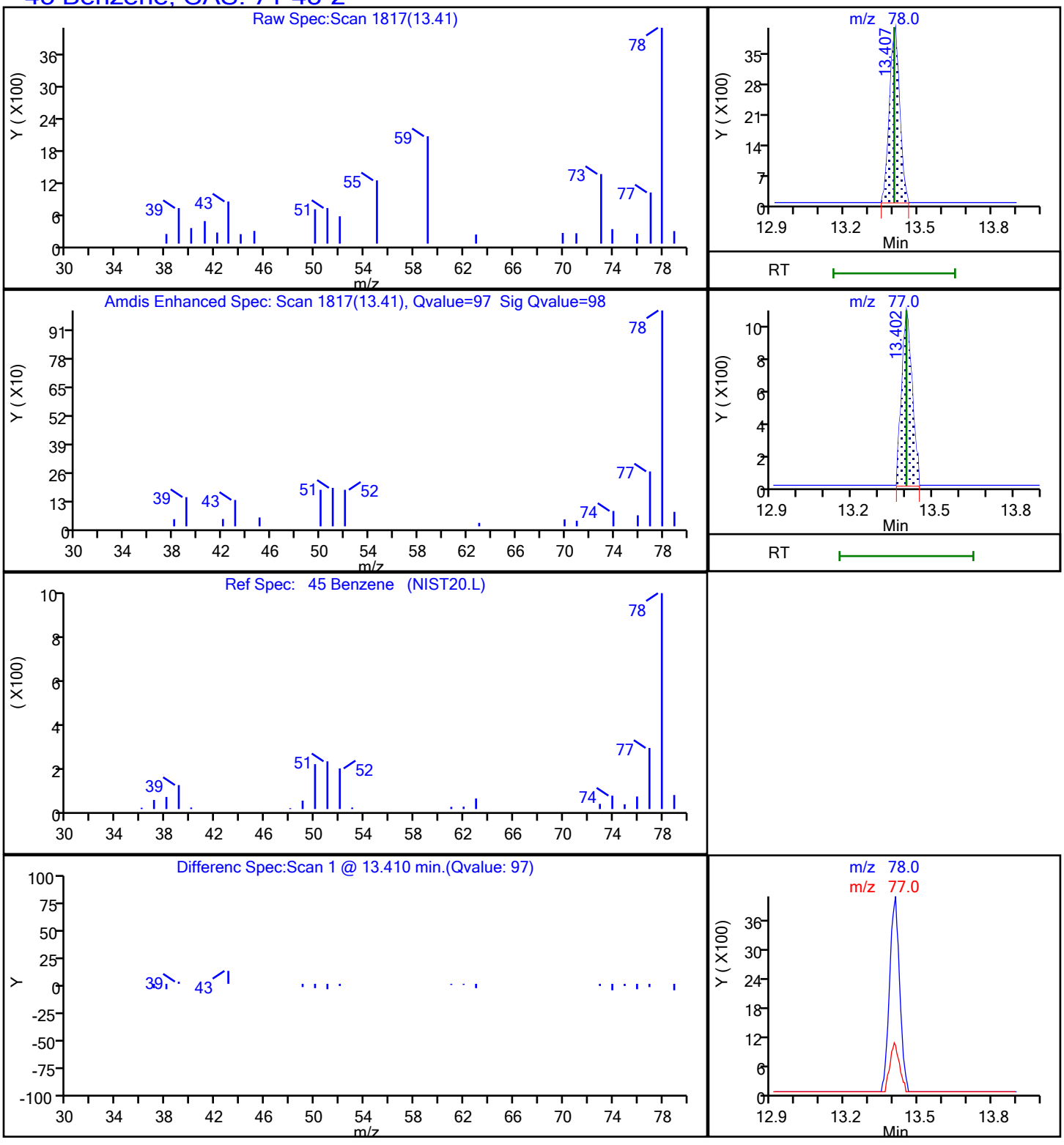
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Benzene, CAS: 71-43-2



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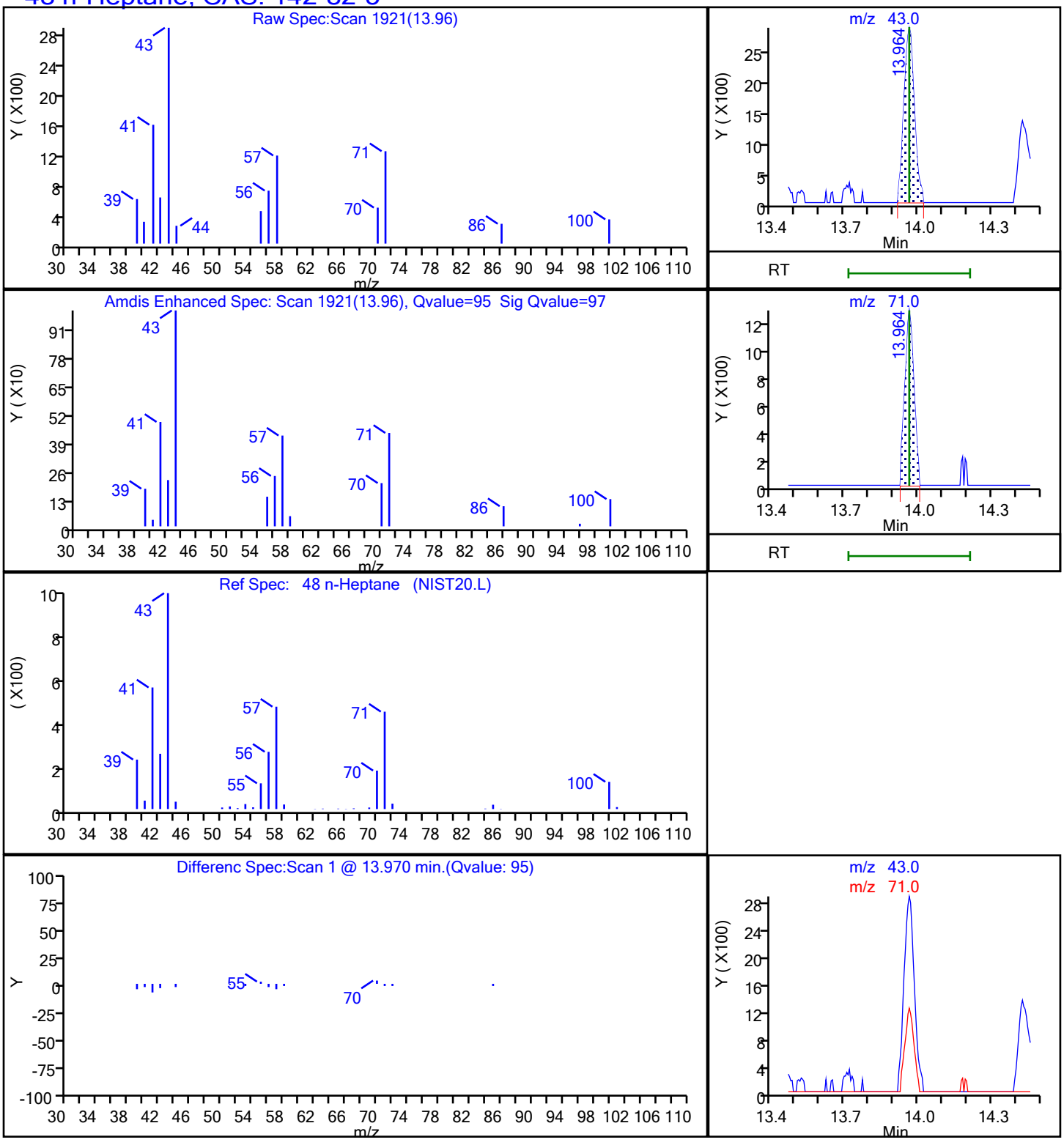
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5



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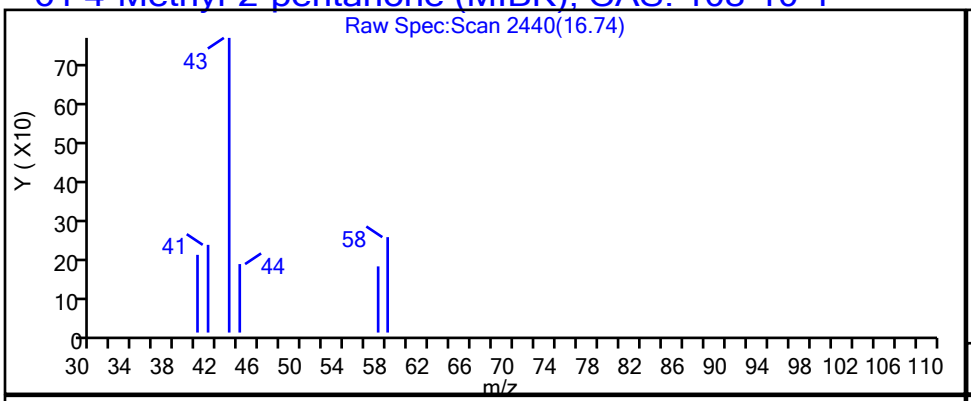
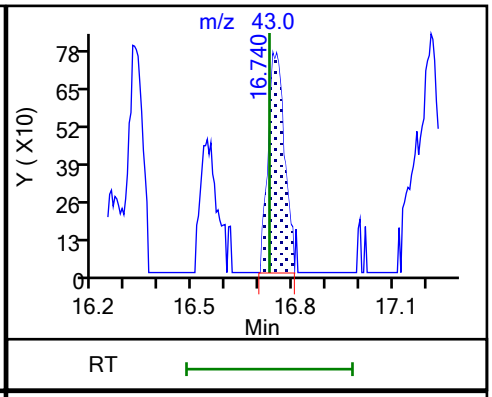
Eurofins Burlington

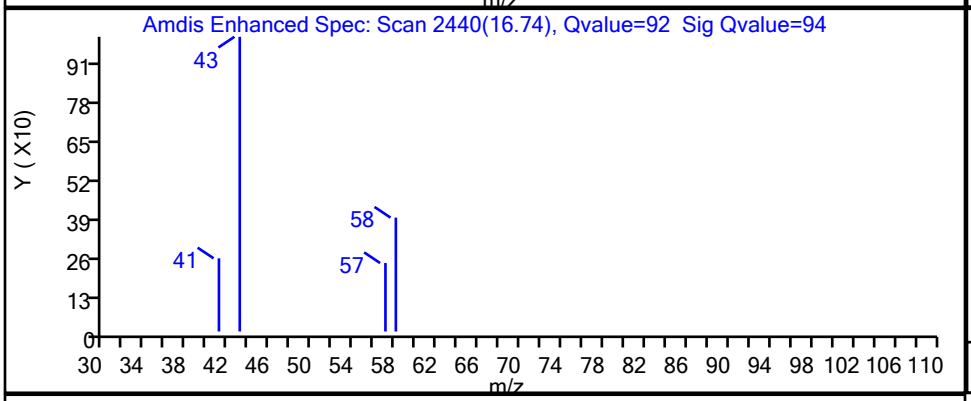
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

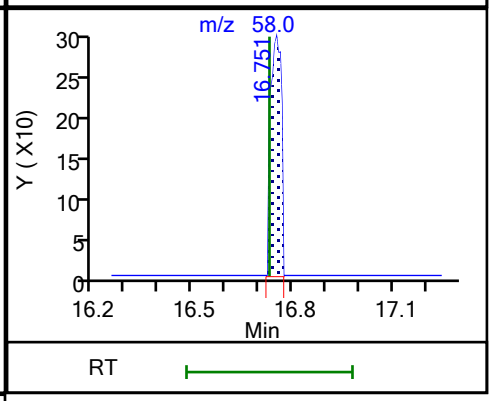
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

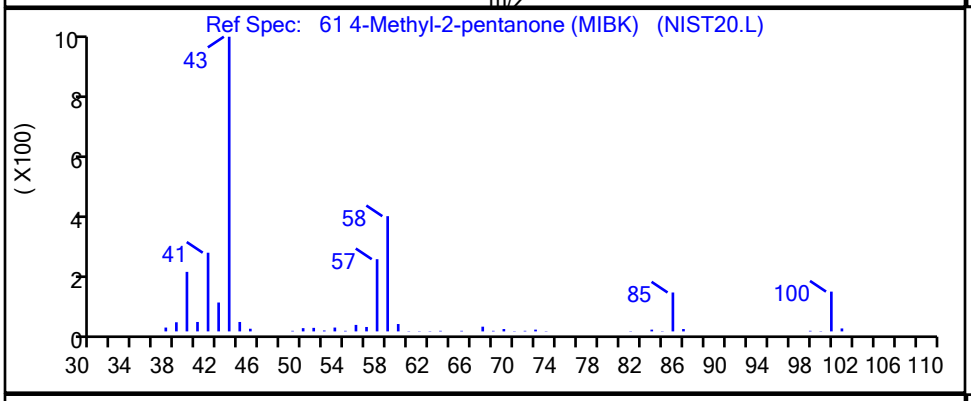
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

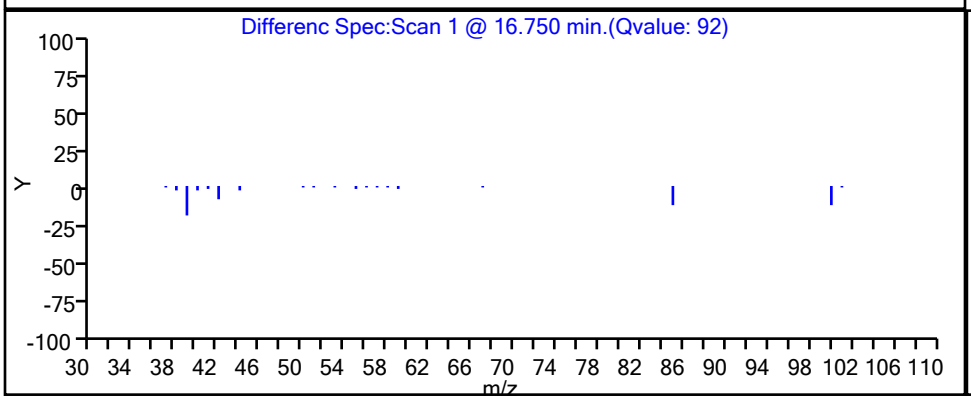


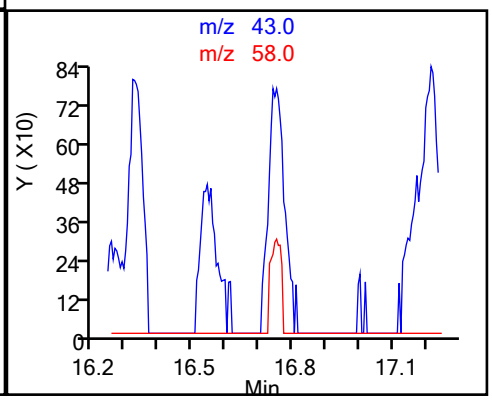












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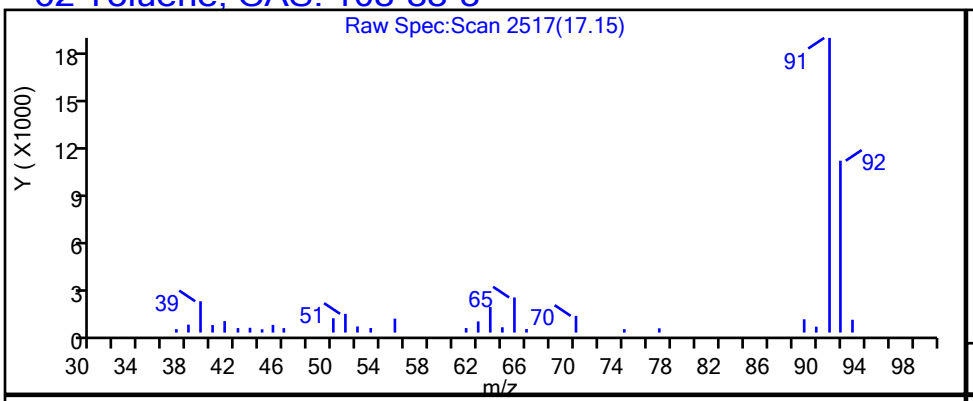
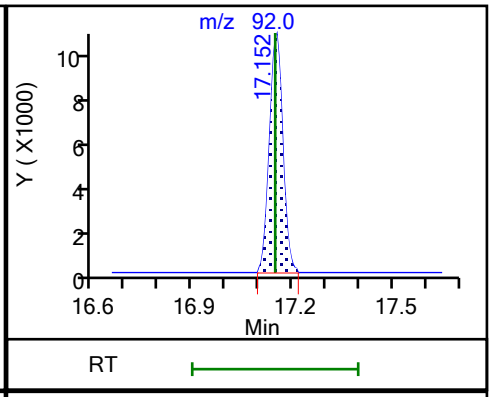
Eurofins Burlington

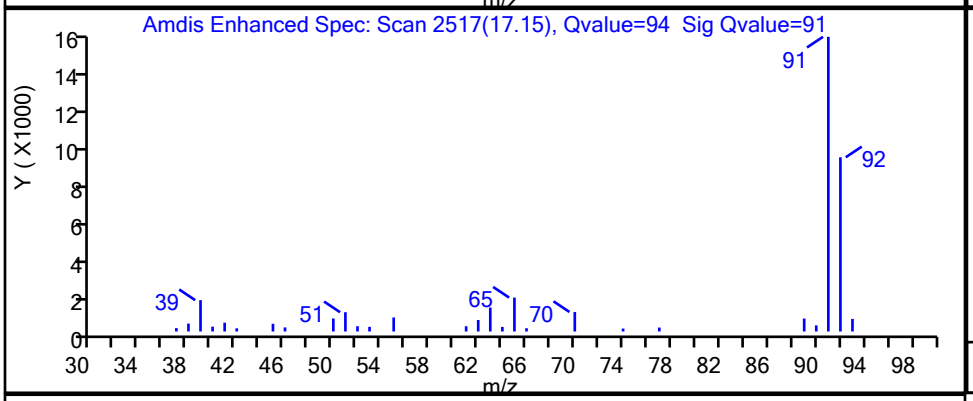
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

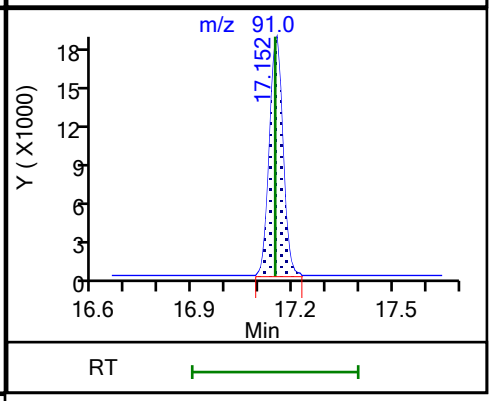
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

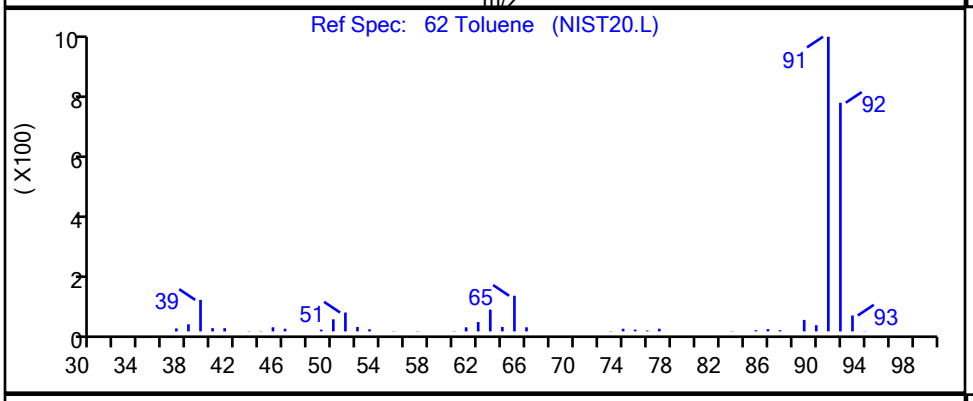
62 Toluene, CAS: 108-88-3

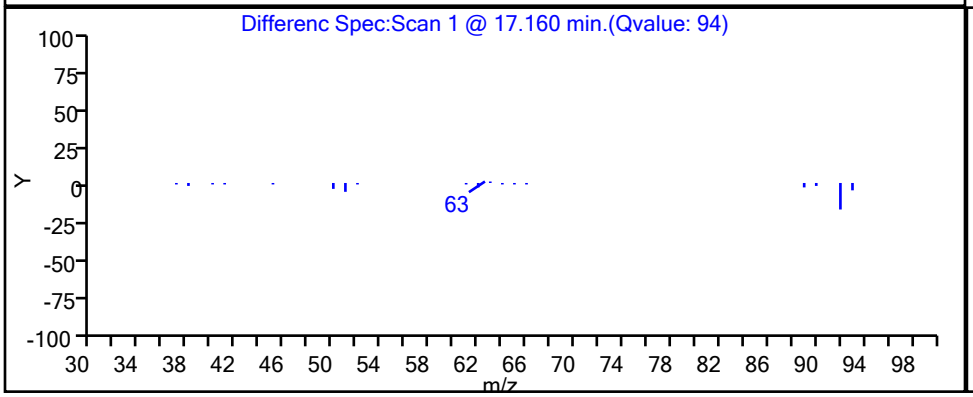


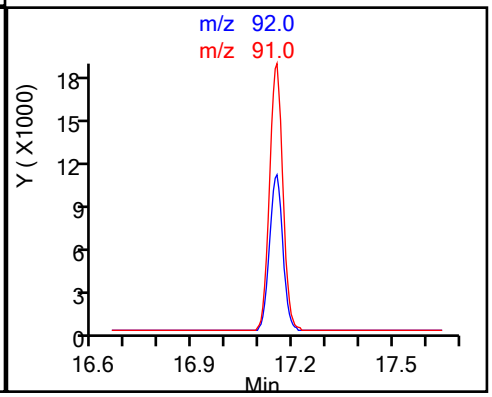












Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date: 17-Sep-2024 20:19:30 Instrument ID: CHW.i

Lims ID: 200-75119-A-9 Lab Sample ID: 200-75119-9

Client ID: RXSV-1

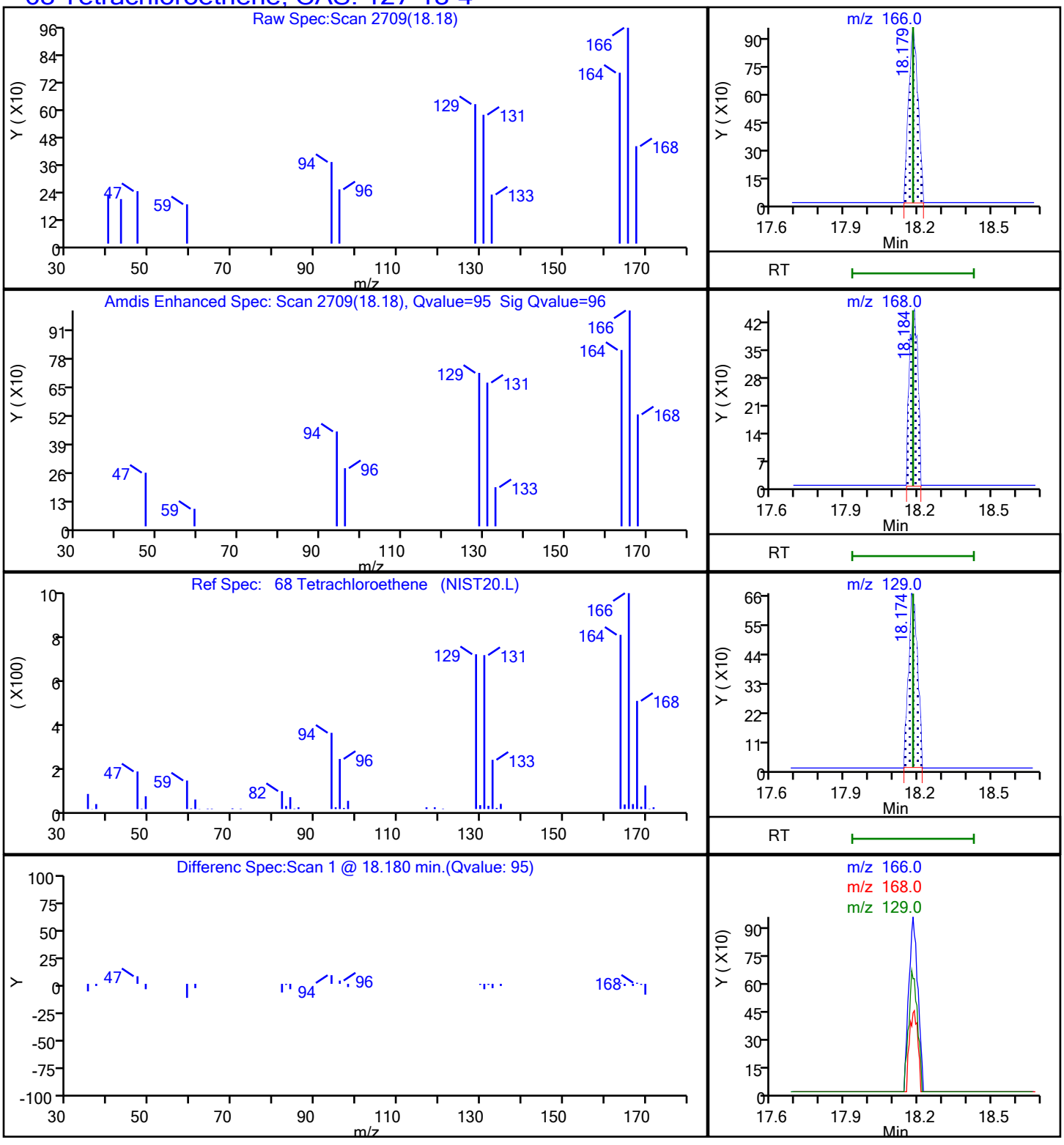
Operator ID: vtp ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

68 Tetrachloroethene, CAS: 127-18-4



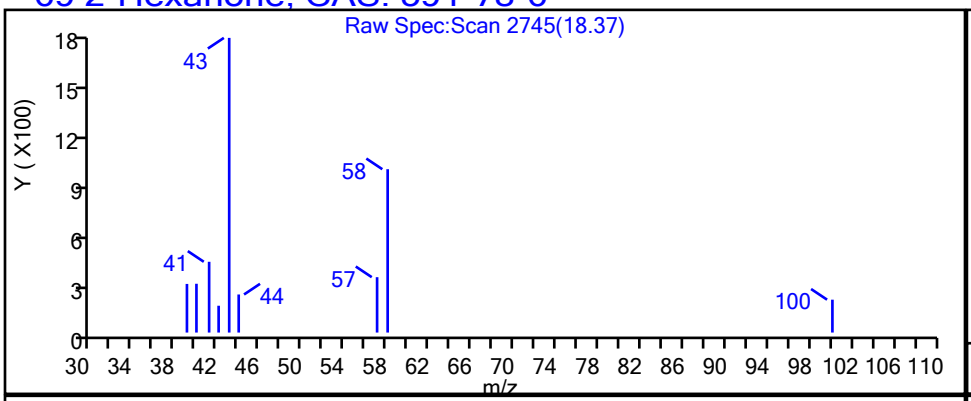
Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

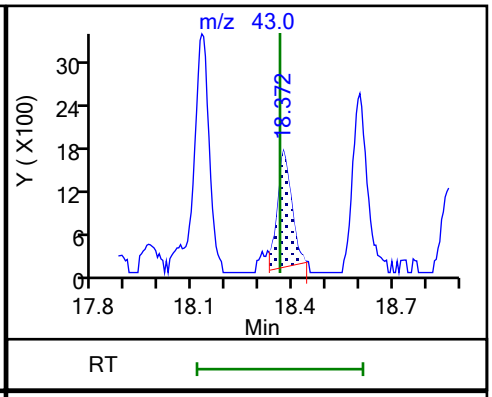
Eurofins Burlington

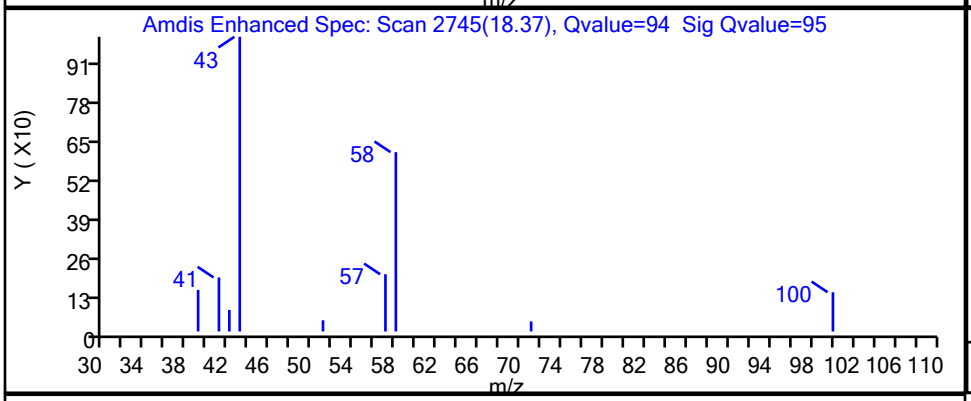
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

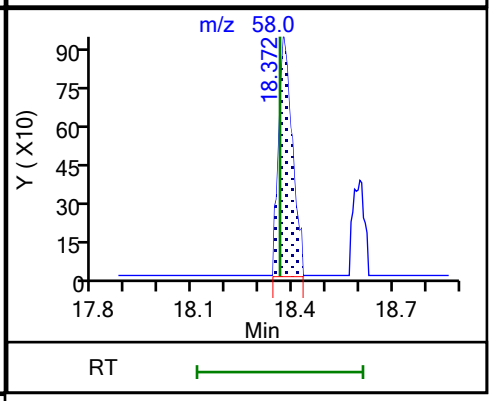
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

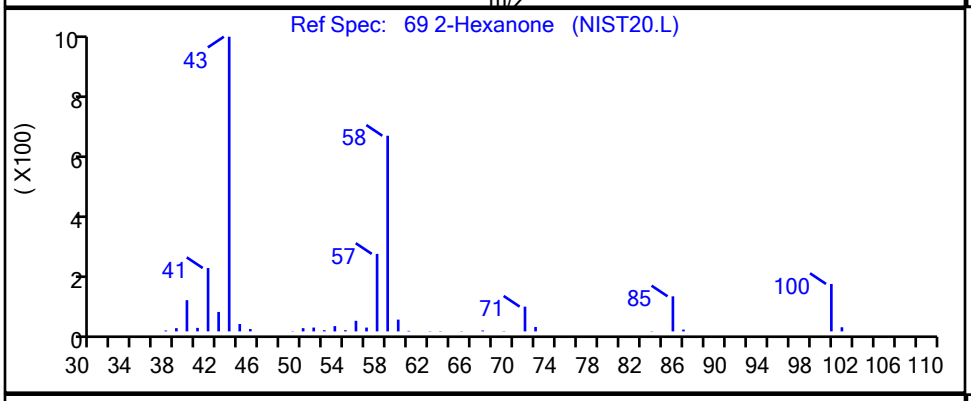
69 2-Hexanone, CAS: 591-78-6

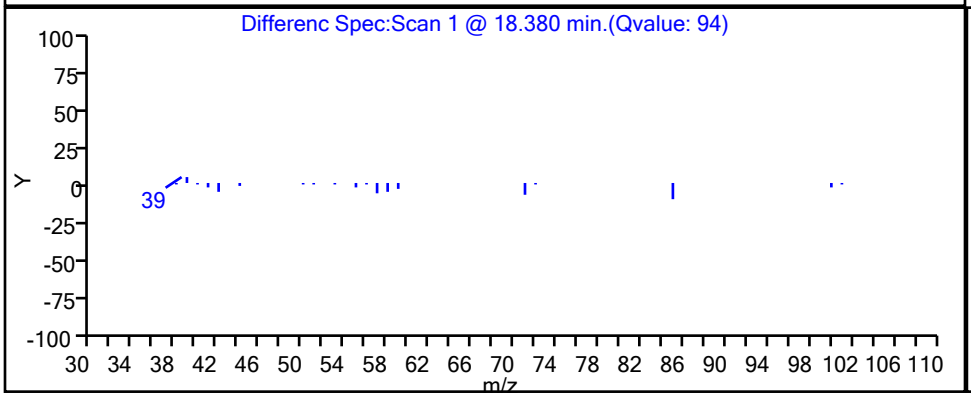


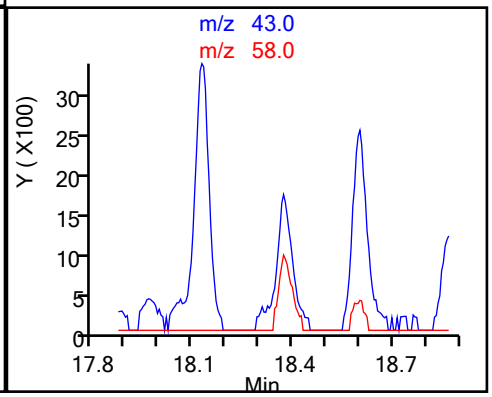












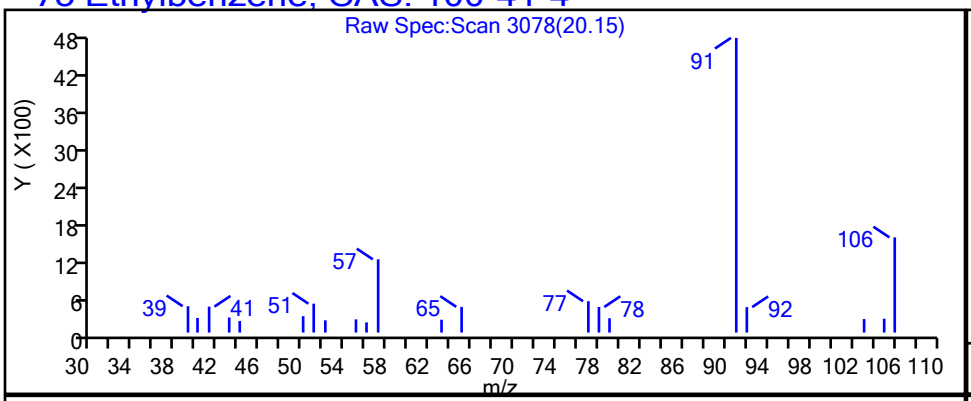
Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

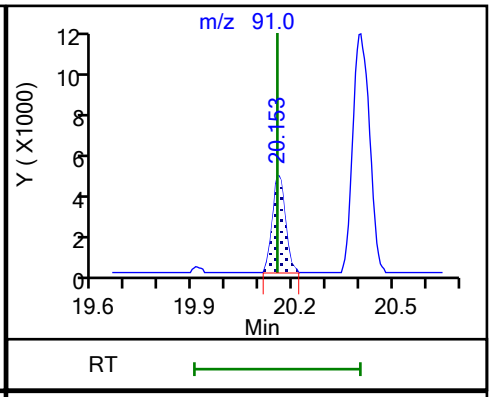
Eurofins Burlington

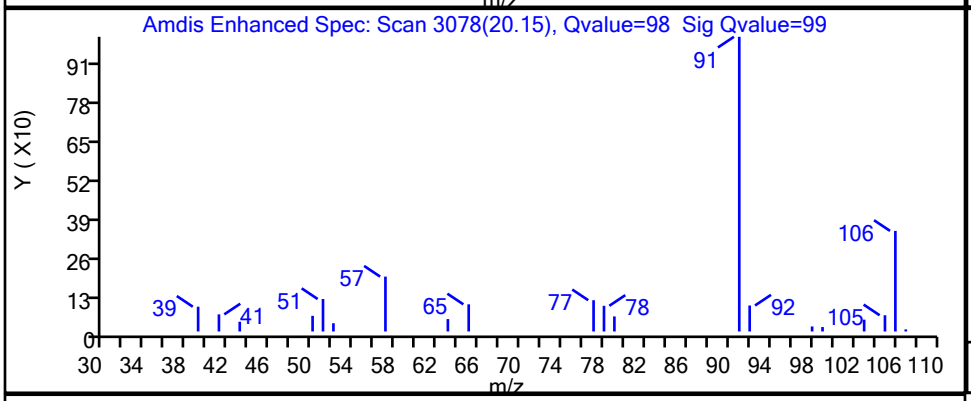
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

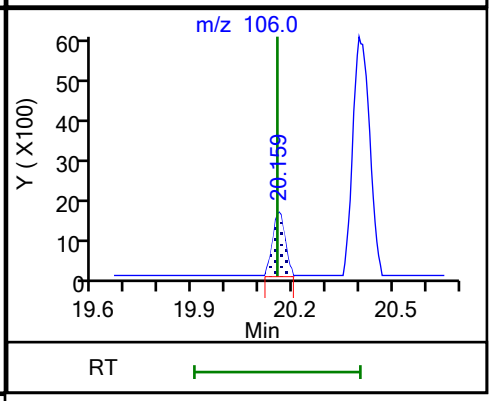
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

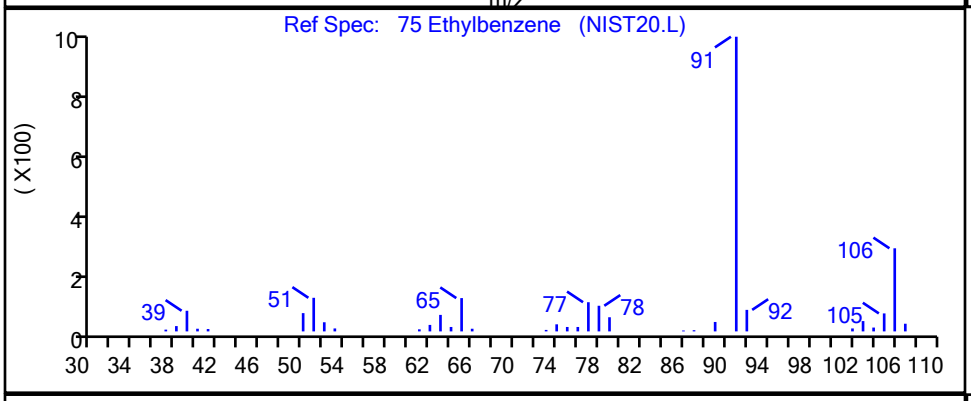
75 Ethylbenzene, CAS: 100-41-4

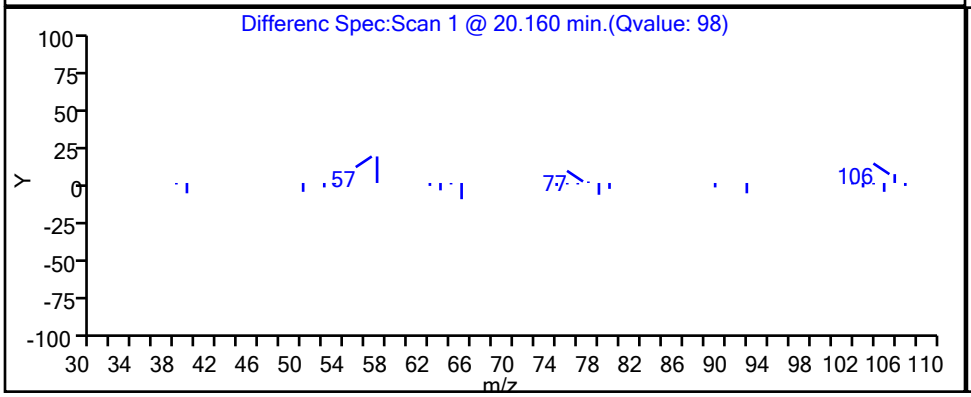


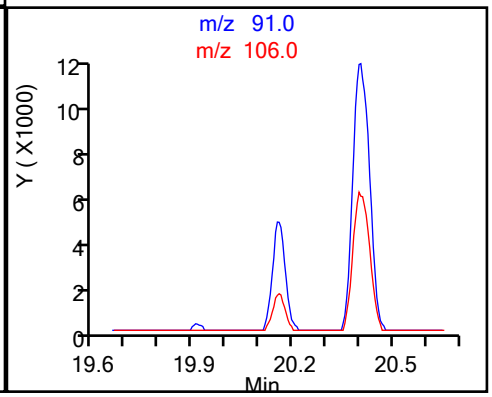












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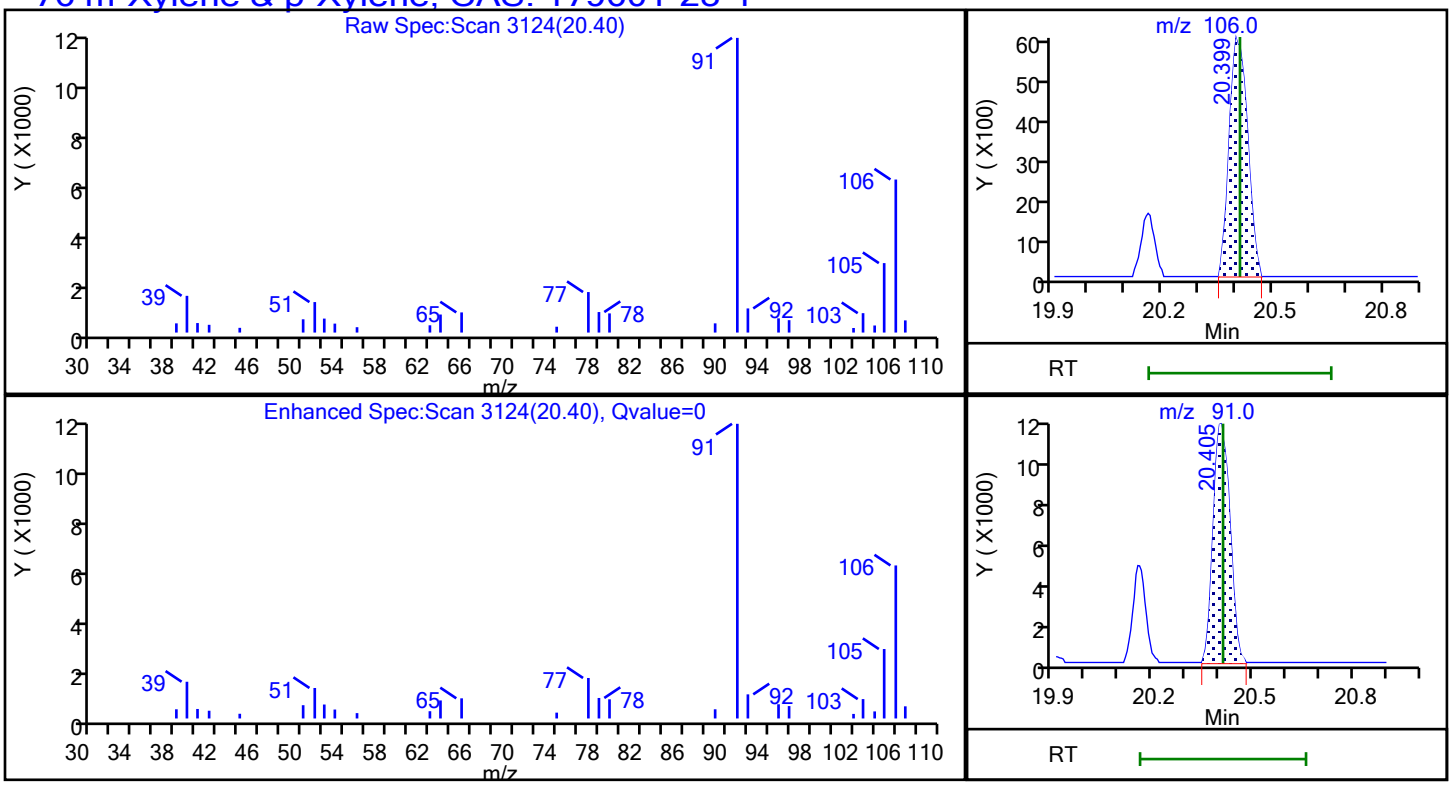
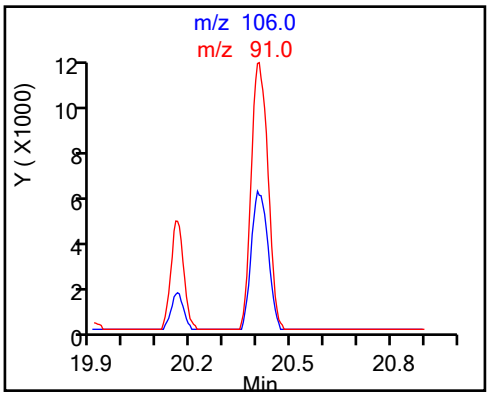
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1





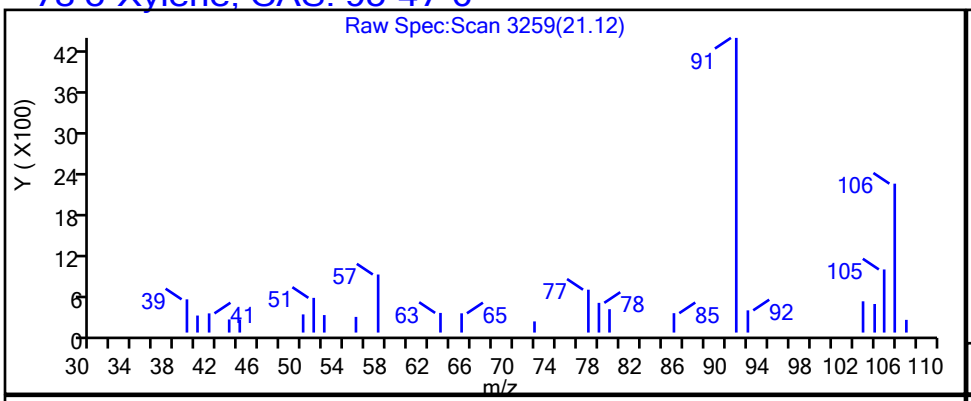
Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

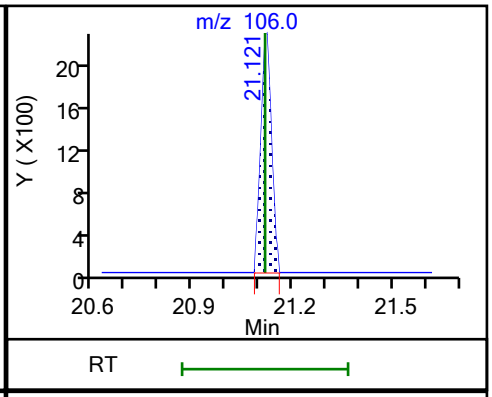
Eurofins Burlington

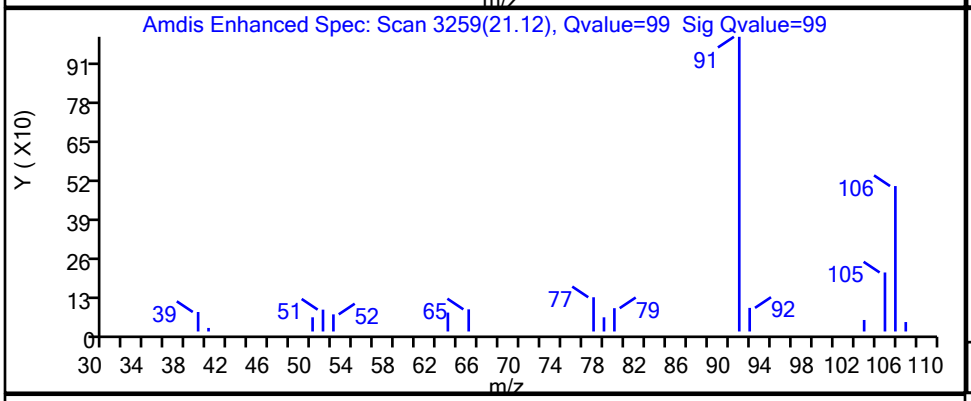
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

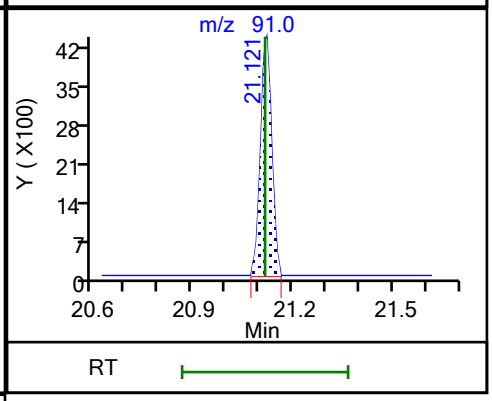
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

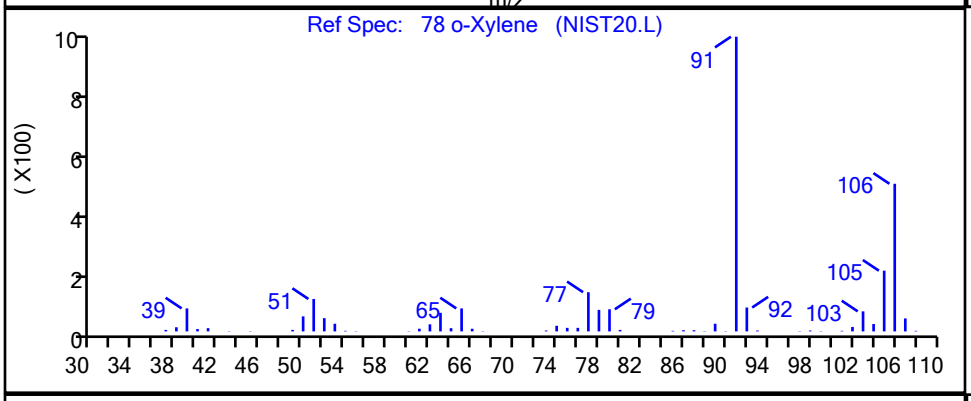
78 o-Xylene, CAS: 95-47-6

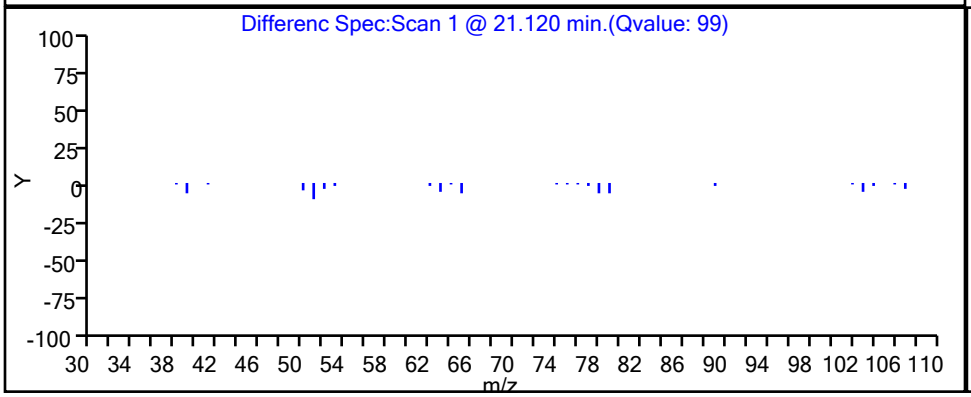


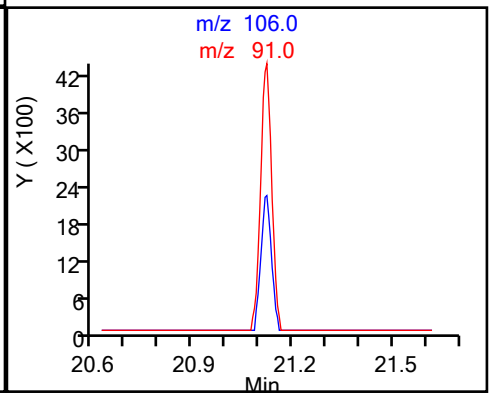












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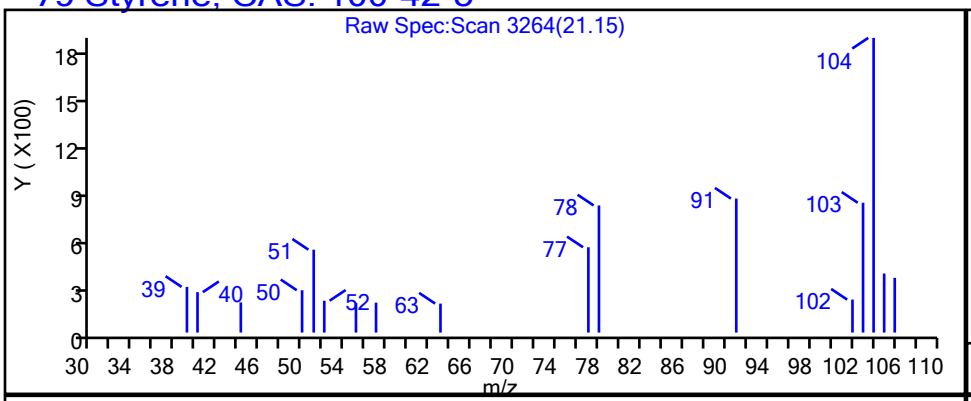
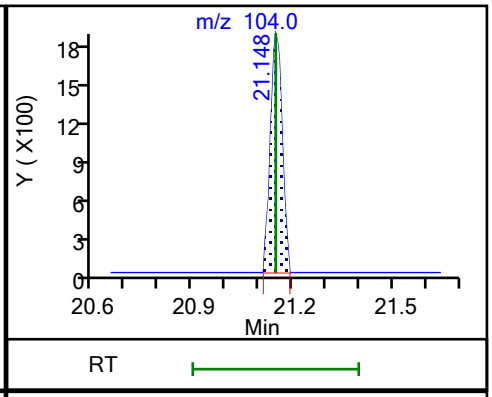
Eurofins Burlington

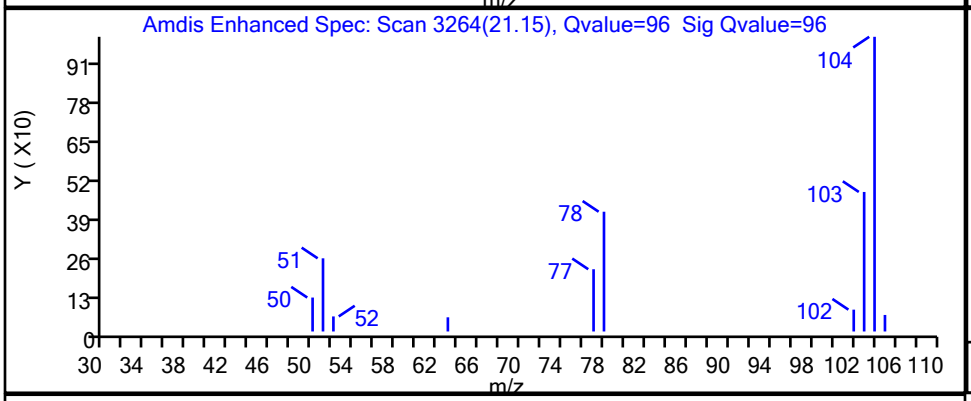
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

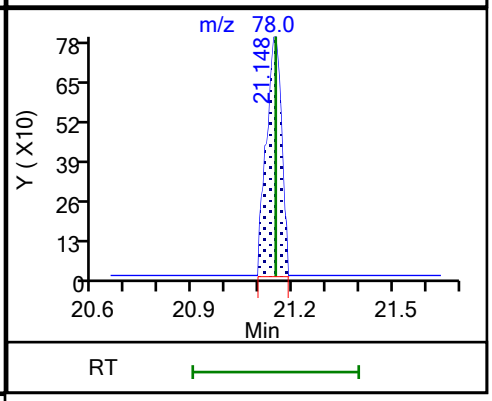
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

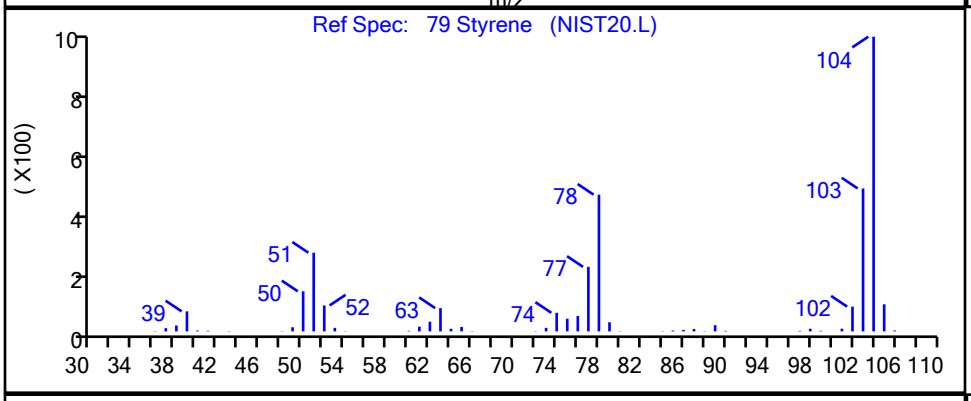
79 Styrene, CAS: 100-42-5

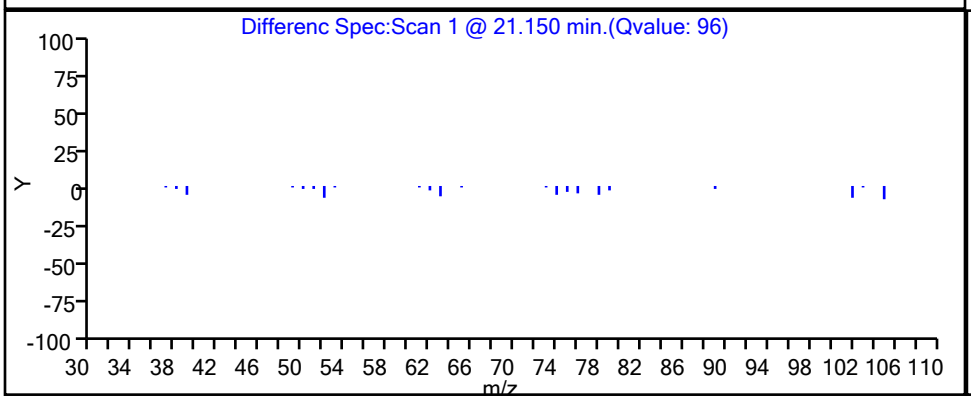


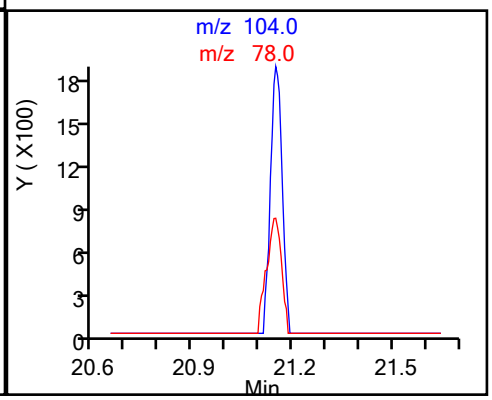












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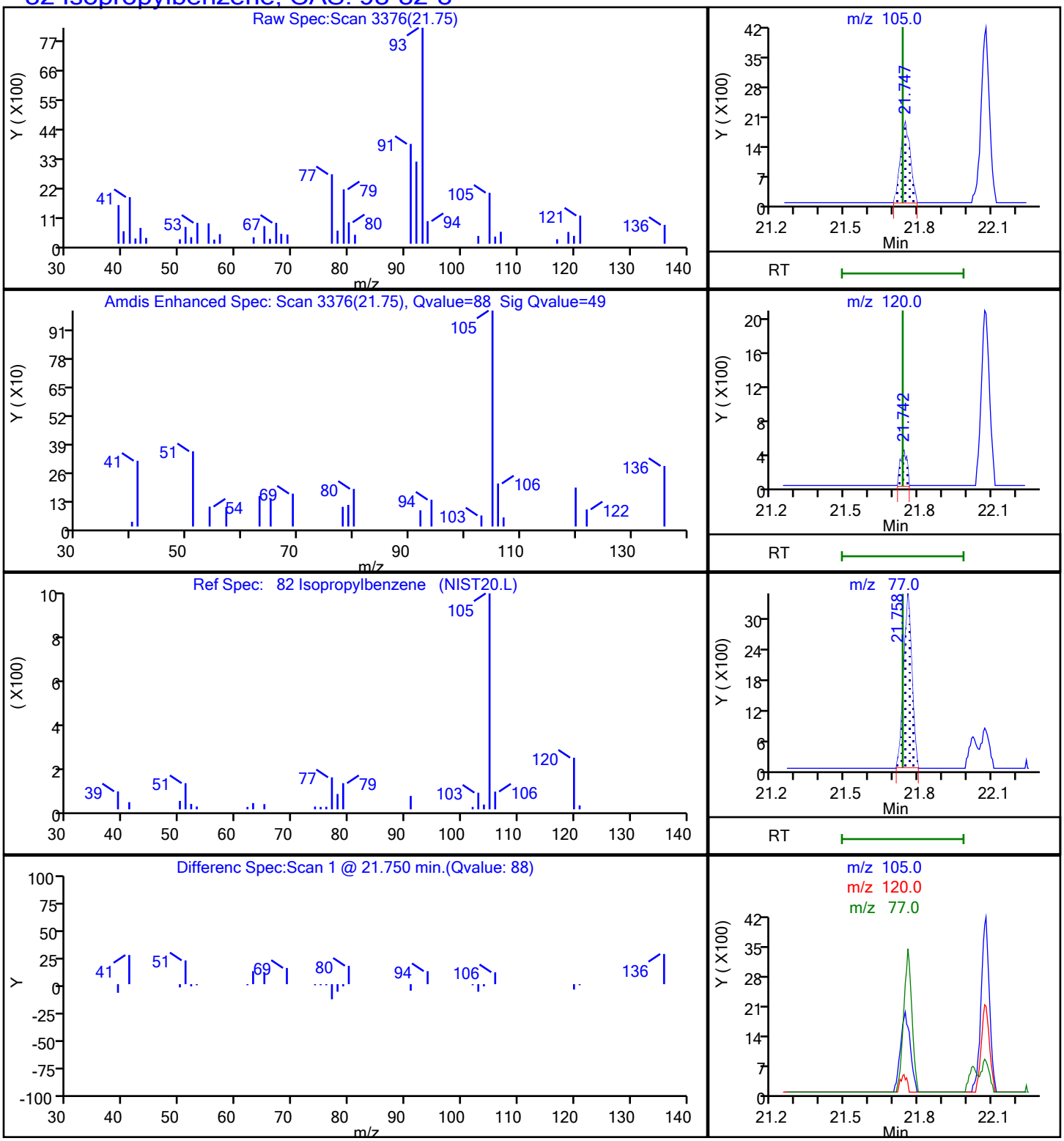
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8



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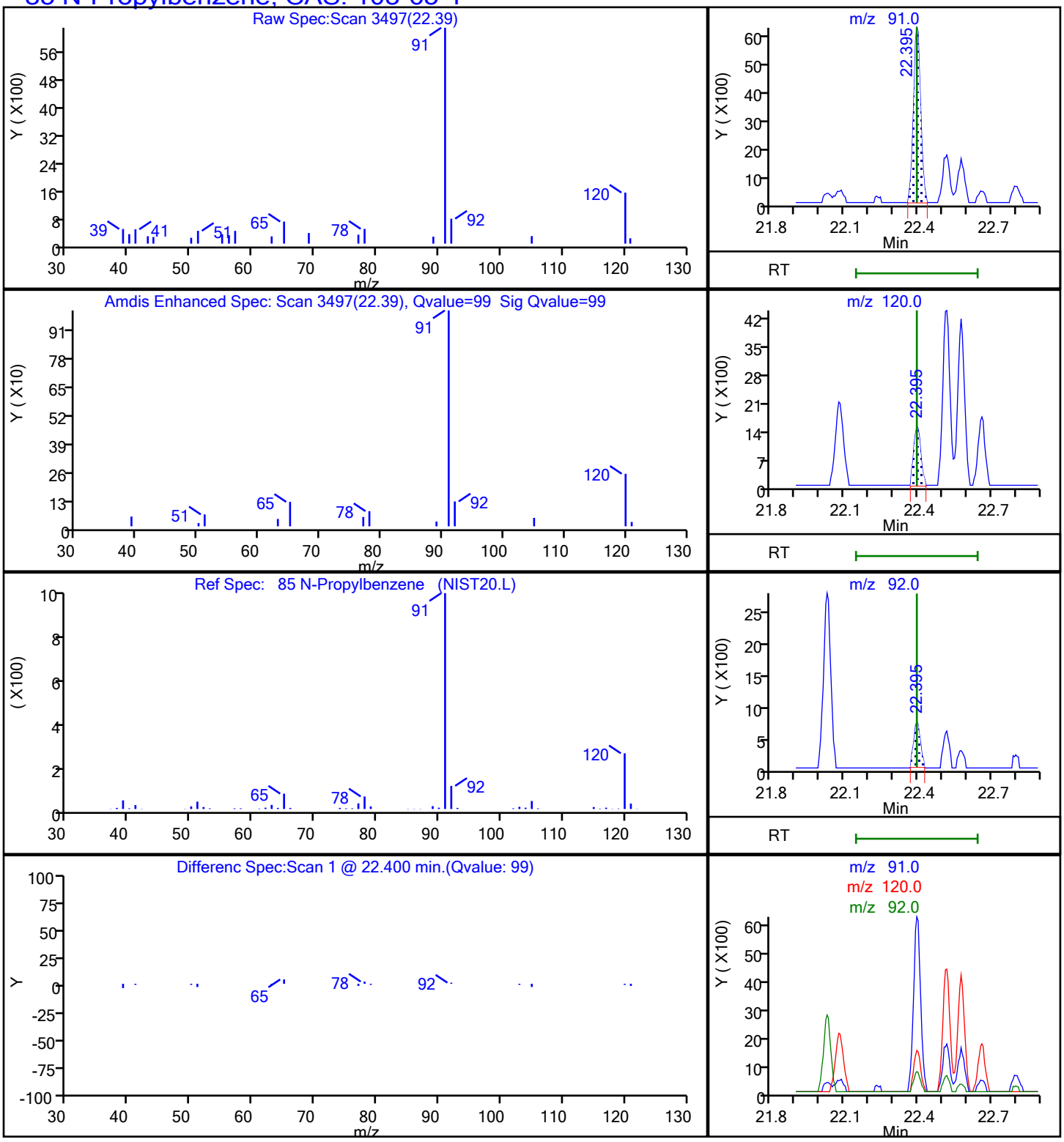
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

85 N-Propylbenzene, CAS: 103-65-1



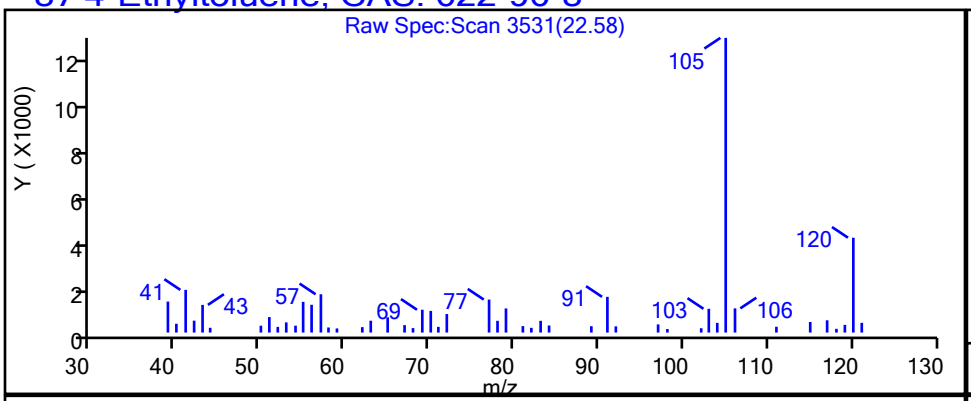
Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

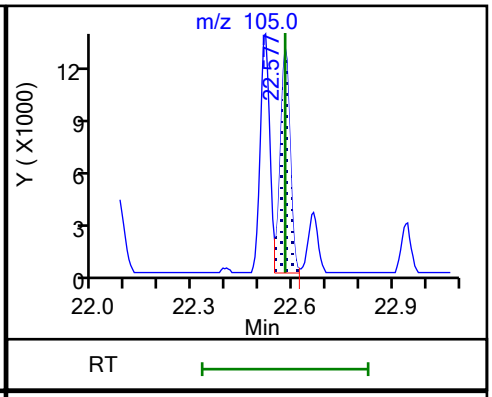
Eurofins Burlington

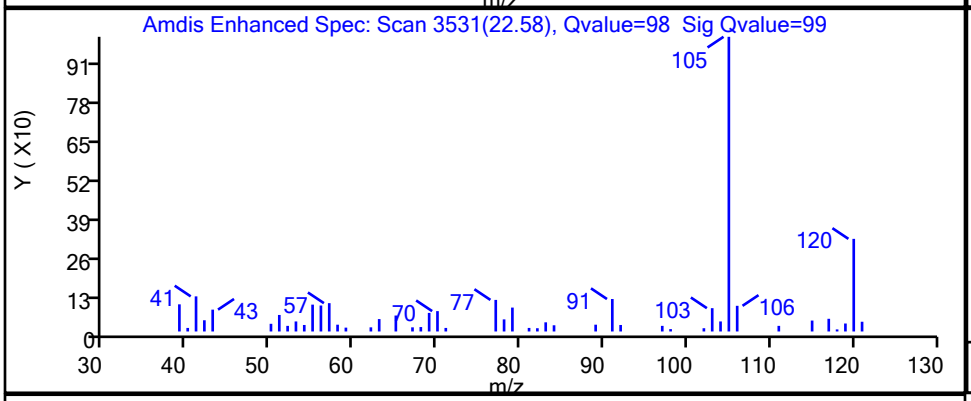
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

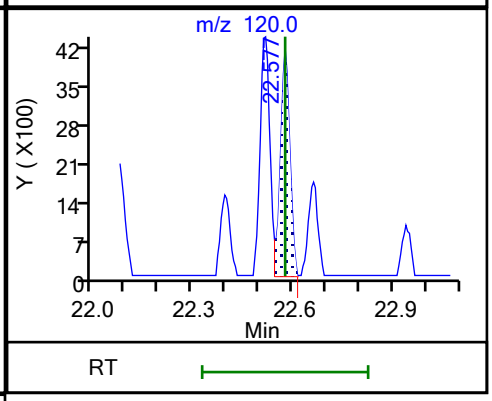
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

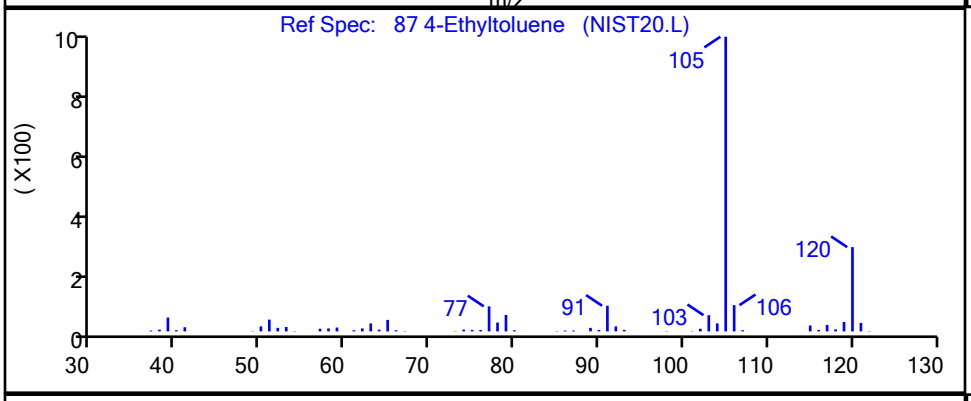
87 4-Ethyltoluene, CAS: 622-96-8

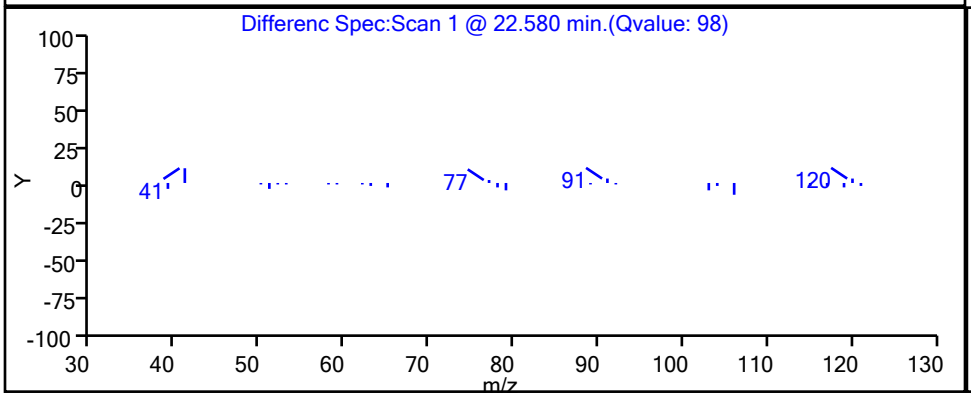


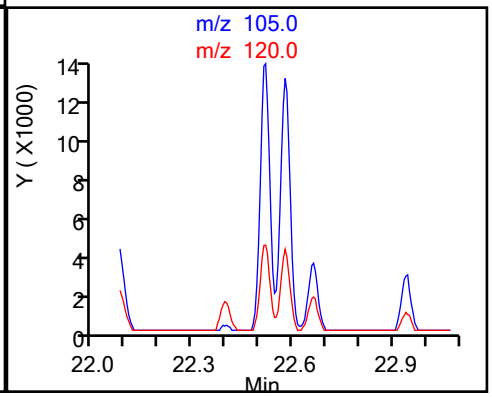












Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date: 17-Sep-2024 20:19:30 Instrument ID: CHW.i

Lims ID: 200-75119-A-9 Lab Sample ID: 200-75119-9

Client ID: RXSV-1

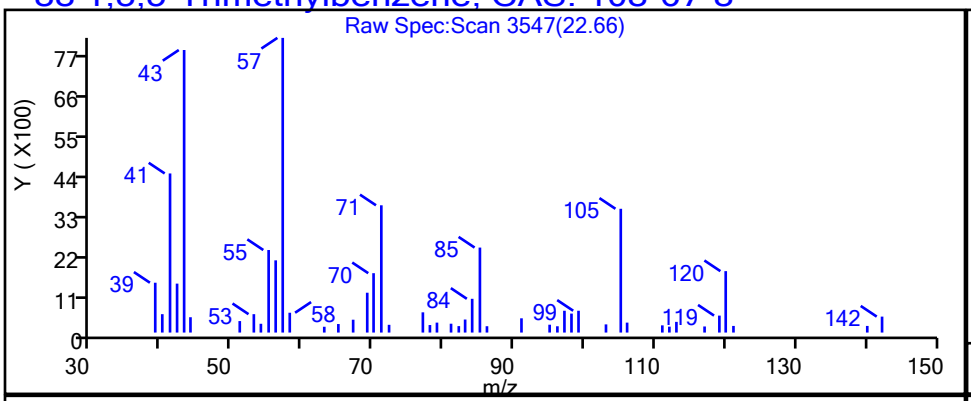
Operator ID: vtp ALS Bottle#: 14 Worklist Smp#: 15

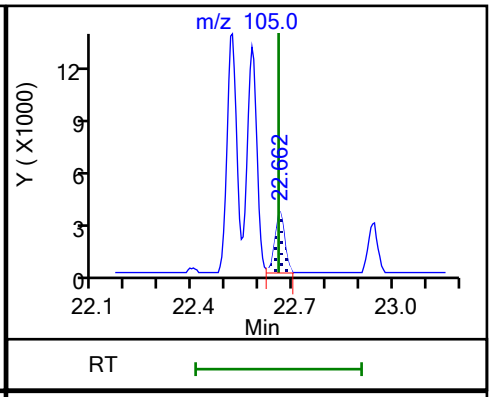
Purge Vol: 200.000 mL Dil. Factor: 1.0000

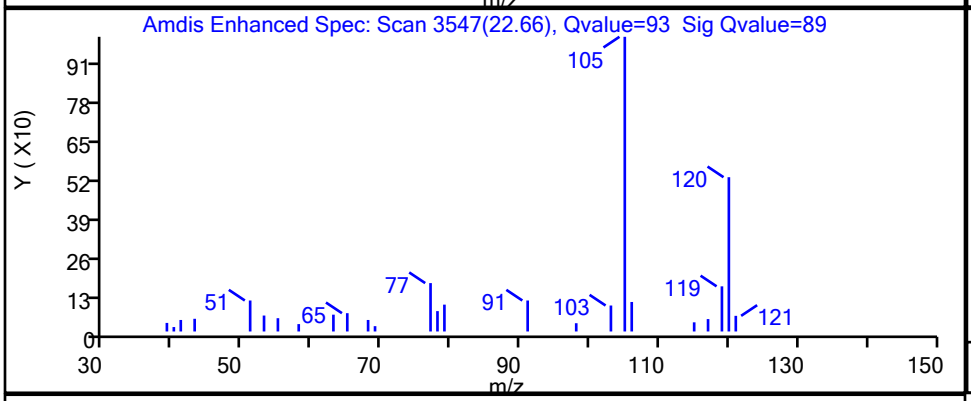
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL

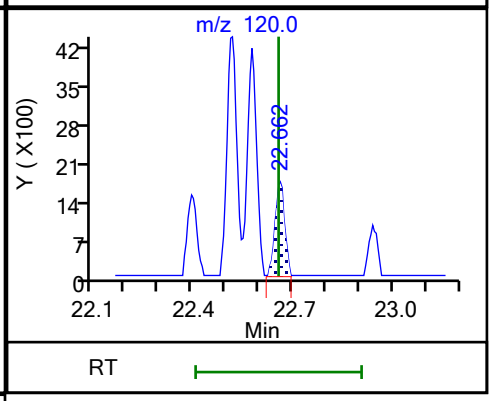
Column: RTX-624 (0.32 mm) Detector MS SCAN

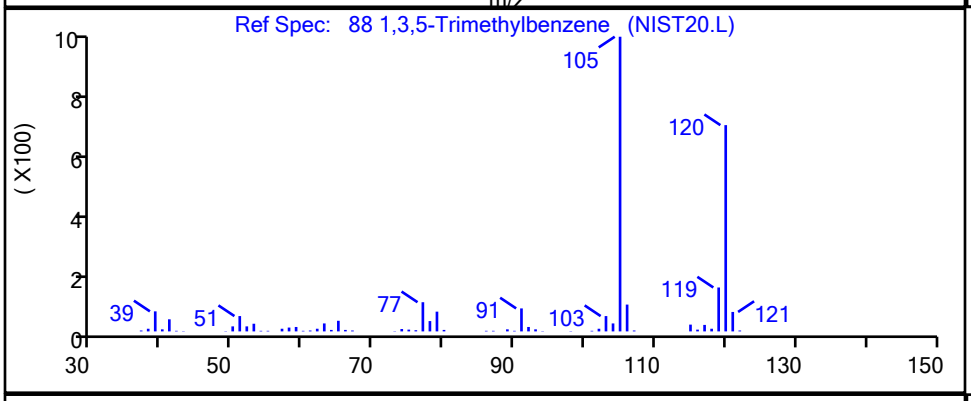
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

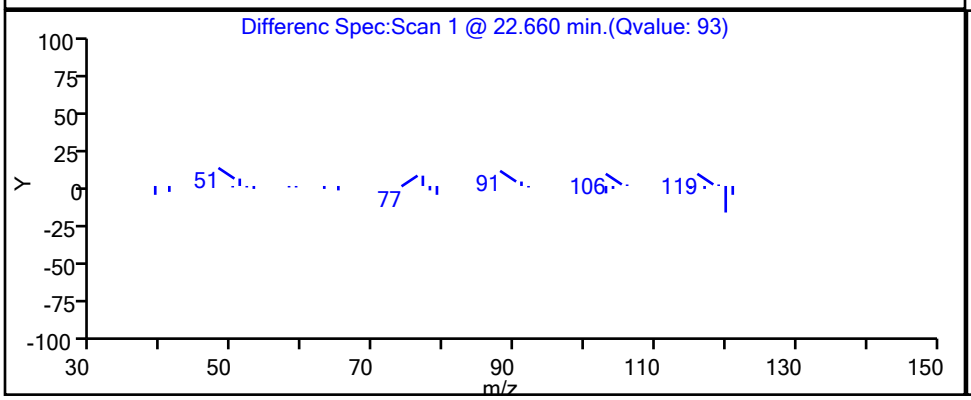


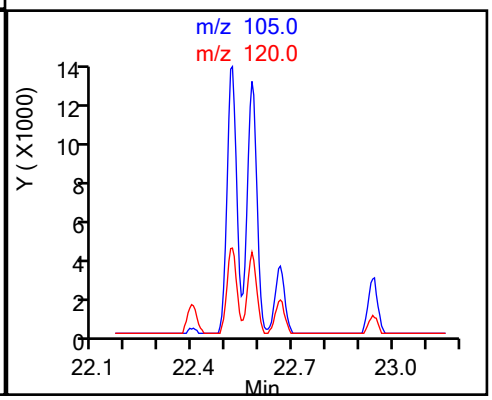












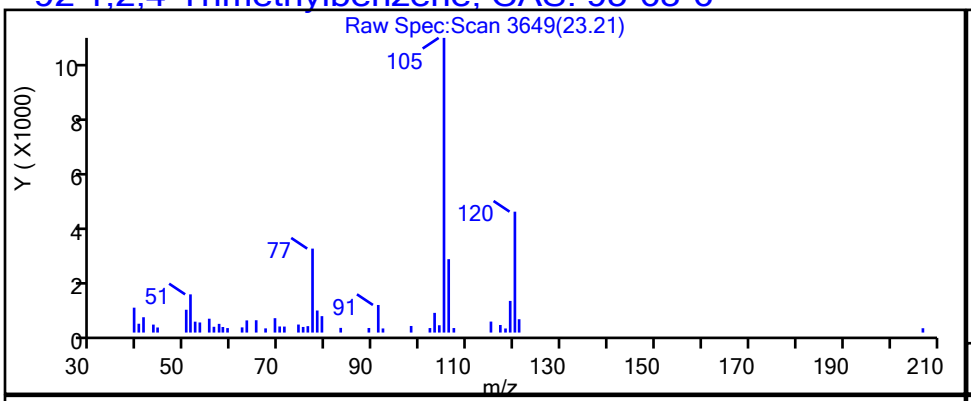
Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

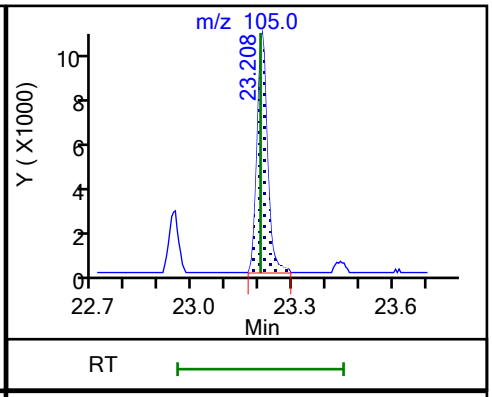
Eurofins Burlington

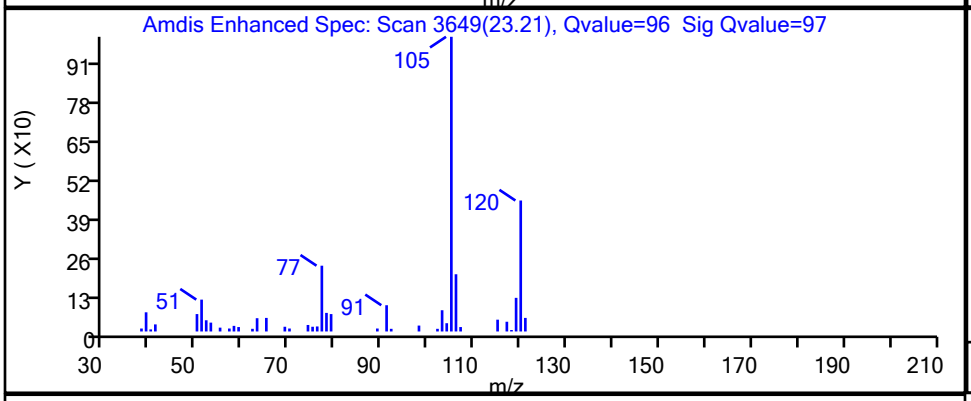
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

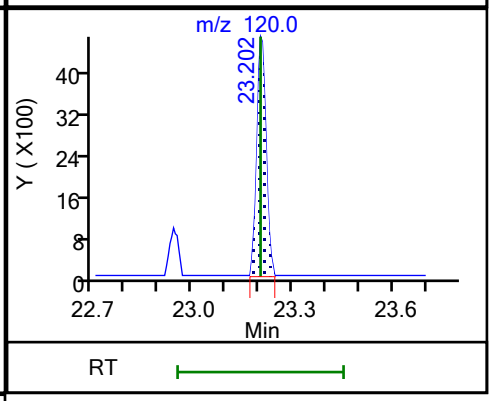
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

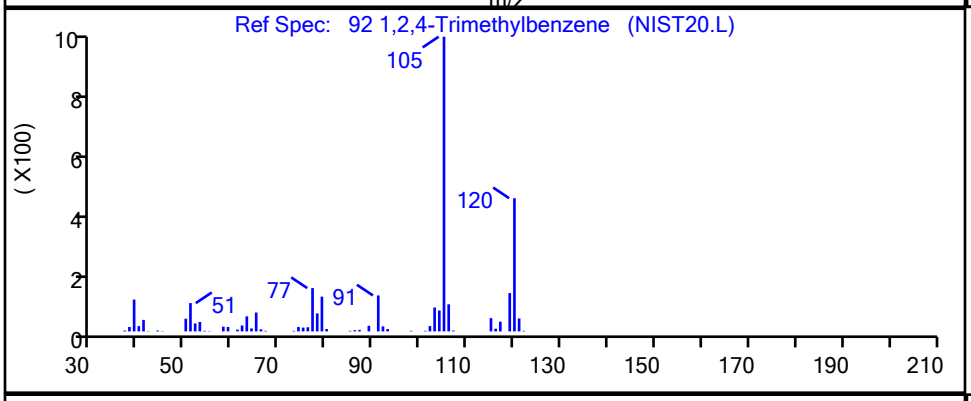
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

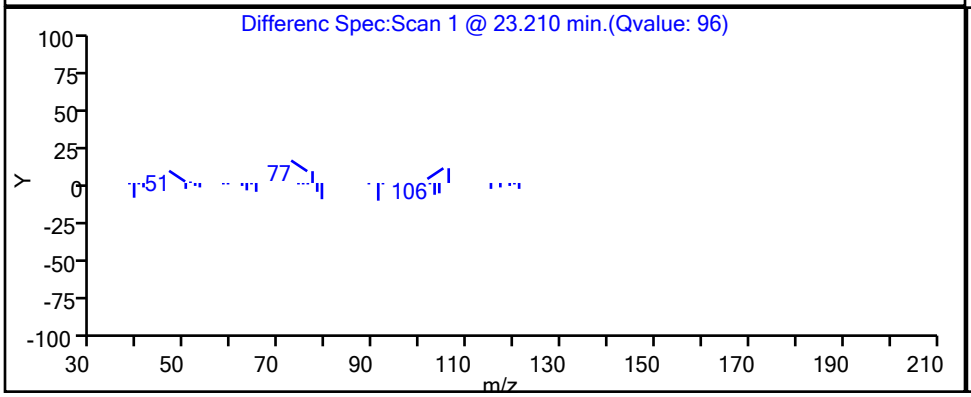


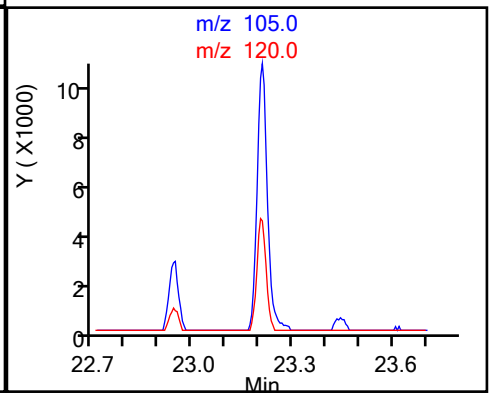












Report Date: 18-Sep-2024 08:22:58 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d

Injection Date: 17-Sep-2024 20:19:30 Instrument ID: CHW.i

Lims ID: 200-75119-A-9 Lab Sample ID: 200-75119-9

Client ID: RXSV-1

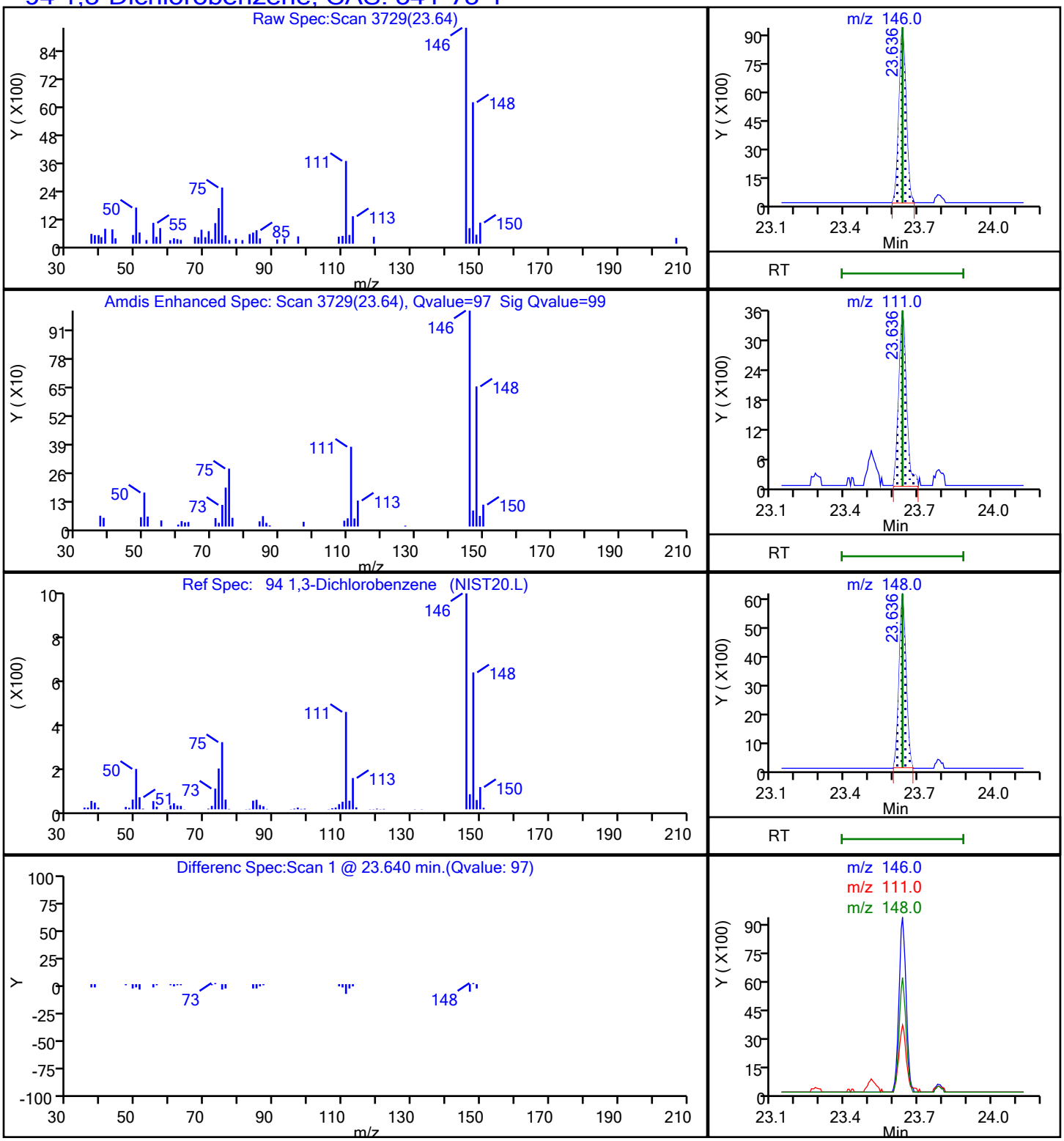
Operator ID: vtp ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

94 1,3-Dichlorobenzene, CAS: 541-73-1



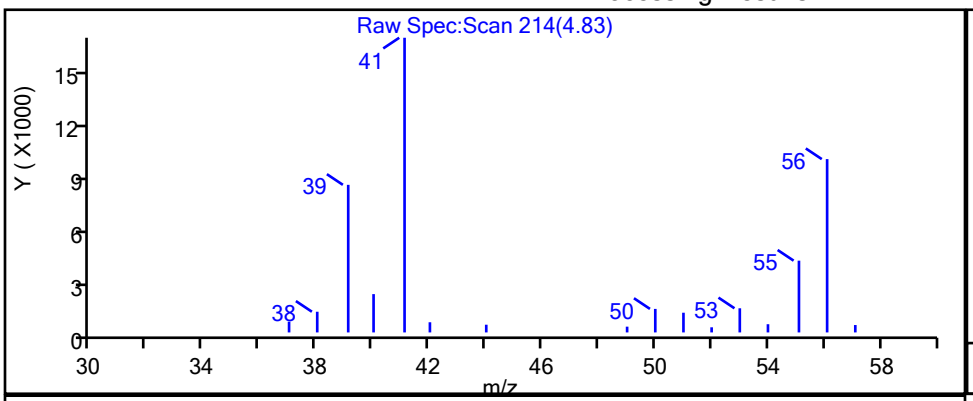
User Disabled Compound Report

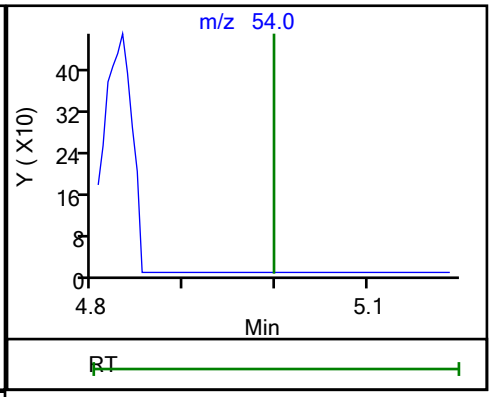
Eurofins Burlington

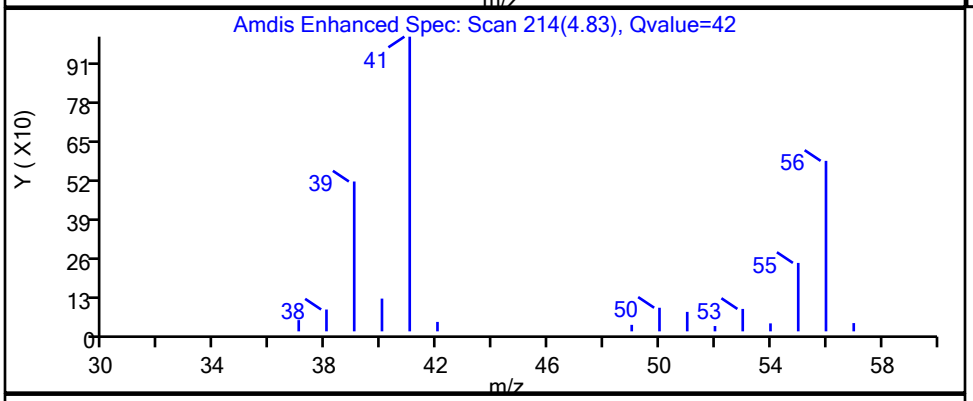
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

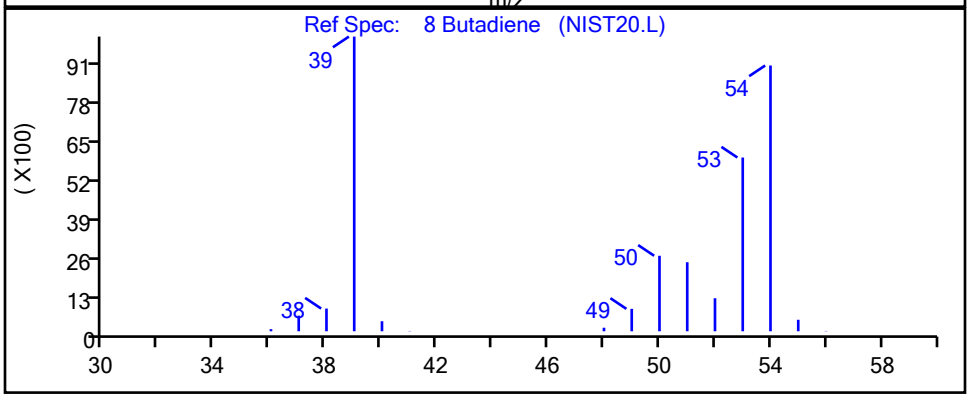
8 Butadiene, CAS: 106-99-0

Processing Results









RT	Mass	Response	Amount
4.83	54.00	939	0.136025

Reviewer: YWL8, 18-Sep-2024 08:21:02 07:00:00 (UTC)

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

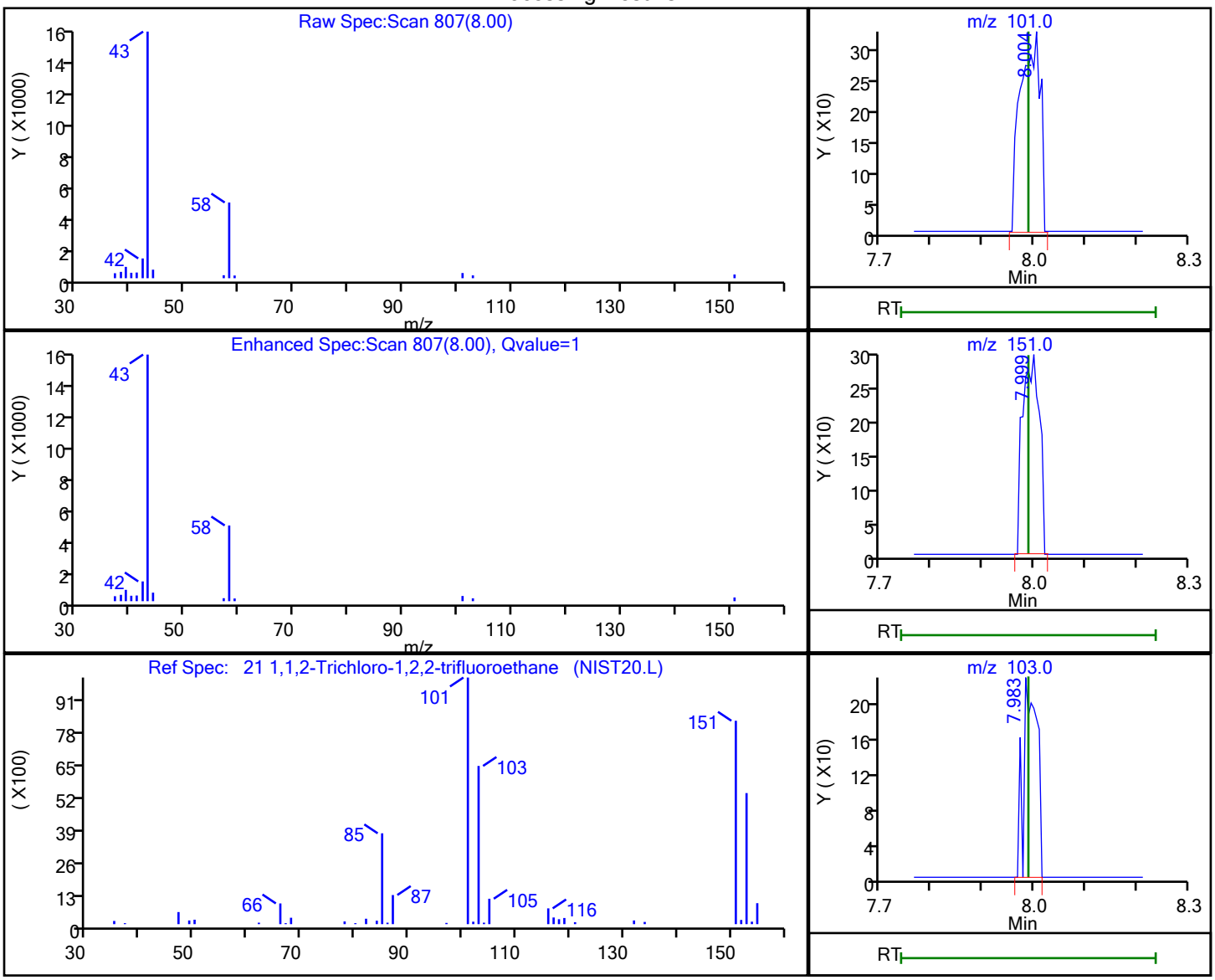
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
8.00	101.00	886	0.045811
8.00	151.00	686	
7.98	103.00	420	

Reviewer: YWL8, 18-Sep-2024 08:21:08 07:00:00 (UTC)

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

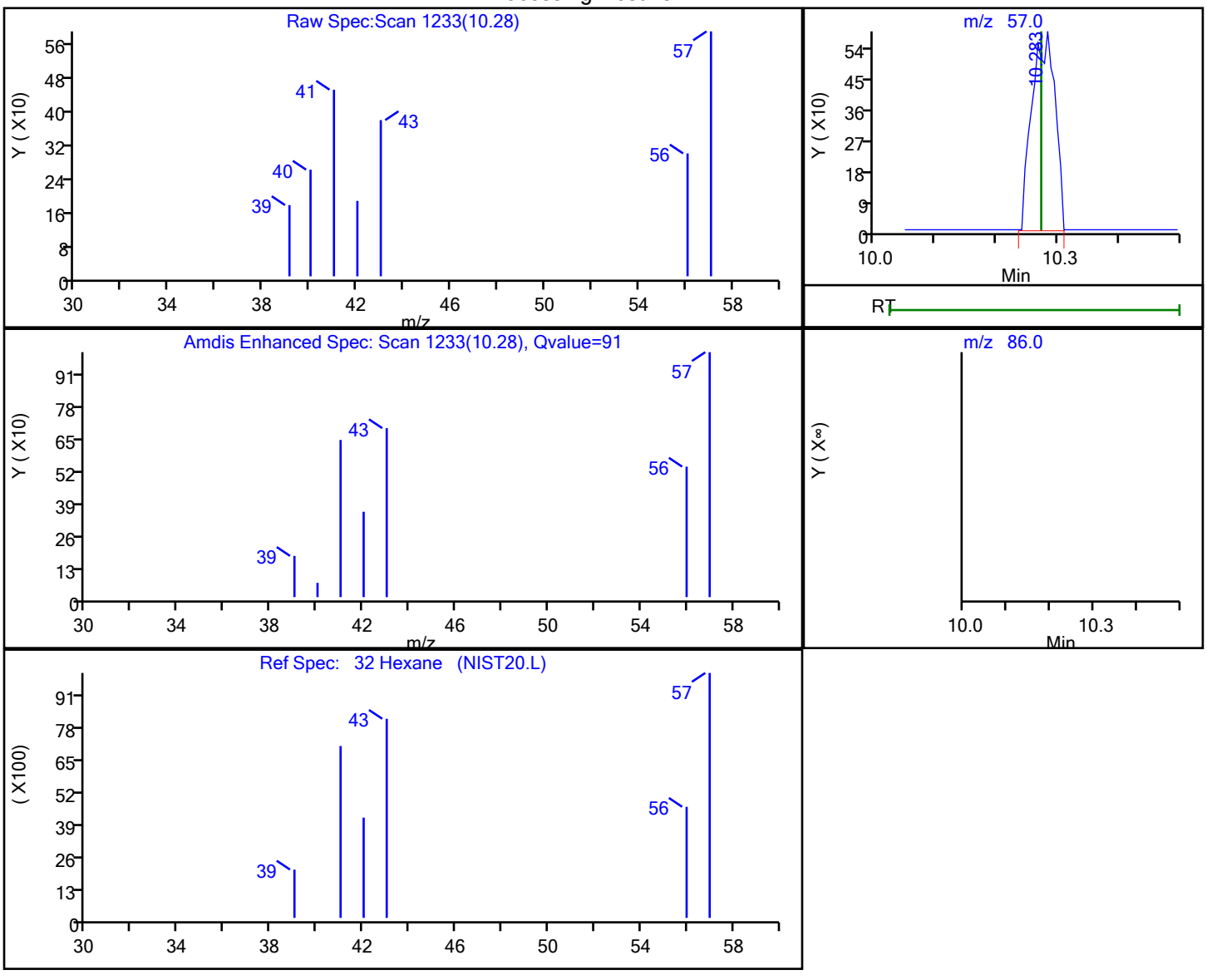
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
10.28	57.00	1541	0.117943
10.27	86.00	0	

Reviewer: YWL8, 18-Sep-2024 08:21:17 07:00:00 (UTC)

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

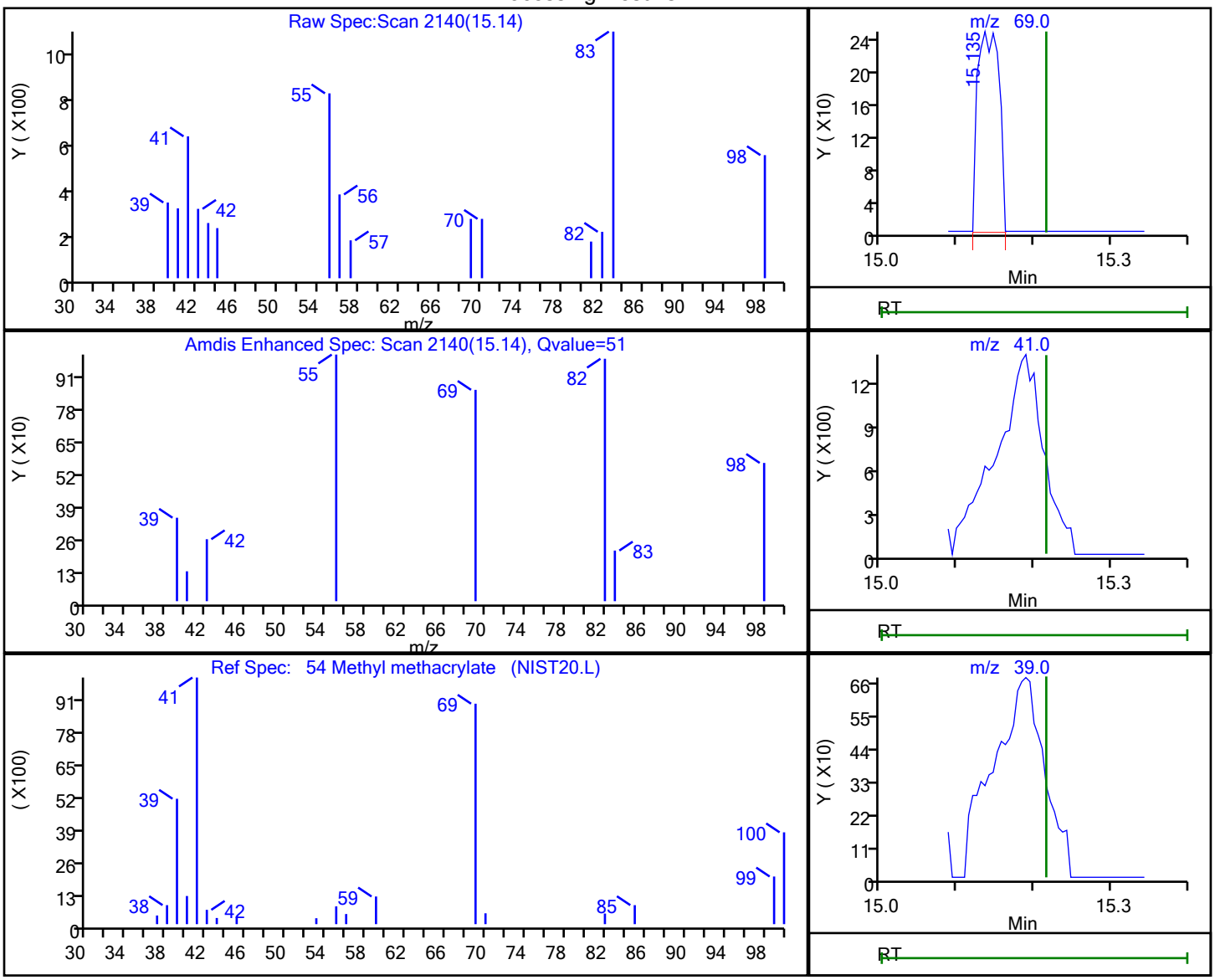
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

54 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
15.14	69.00	476	0.048112
15.22	41.00	0	
15.22	39.00	0	

Reviewer: YWL8, 18-Sep-2024 08:21:57 07:00:00 (UTC)

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

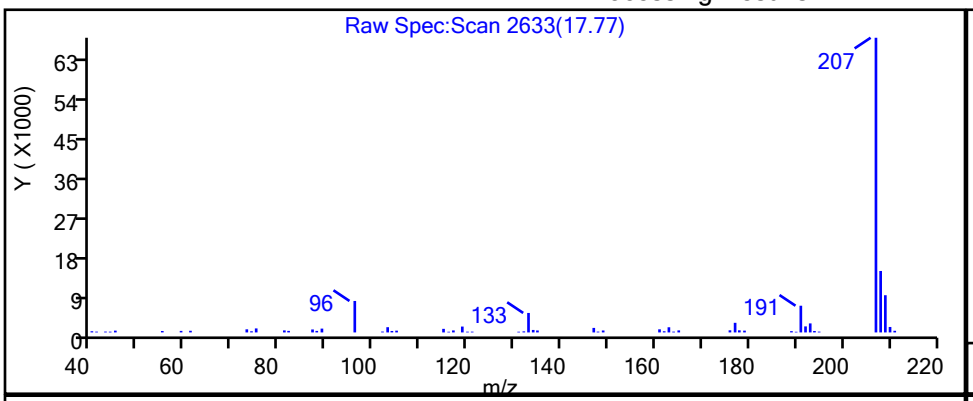
User Disabled Compound Report

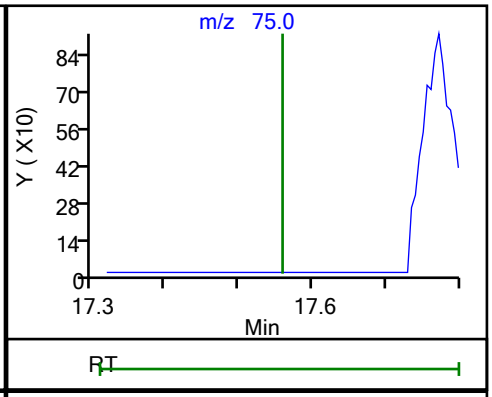
Eurofins Burlington

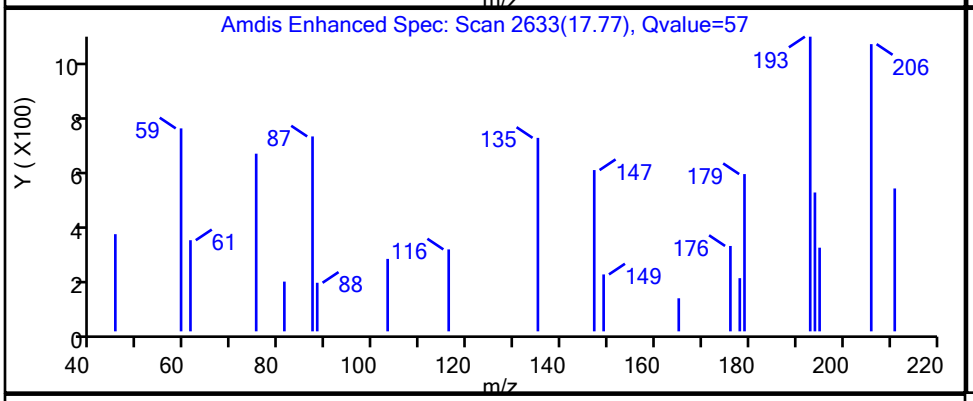
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

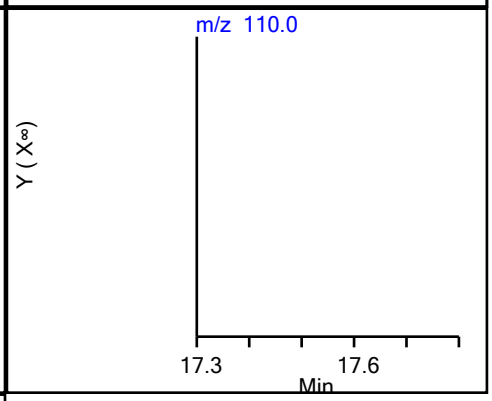
66 trans-1,3-Dichloropropene, CAS: 10061-02-6

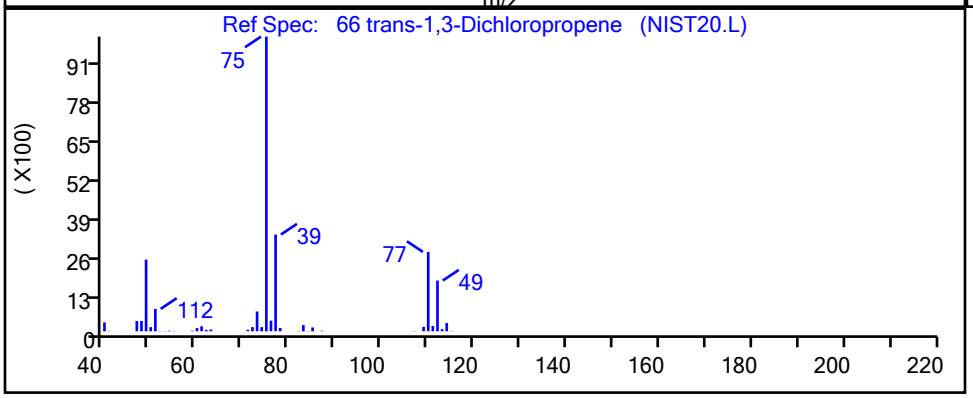
Processing Results











RT	Mass	Response	Amount
17.77	75.00	2561	0.189972
17.56	110.00	0	

Reviewer: YWL8, 18-Sep-2024 08:22:00 07:00:00 (UTC)

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

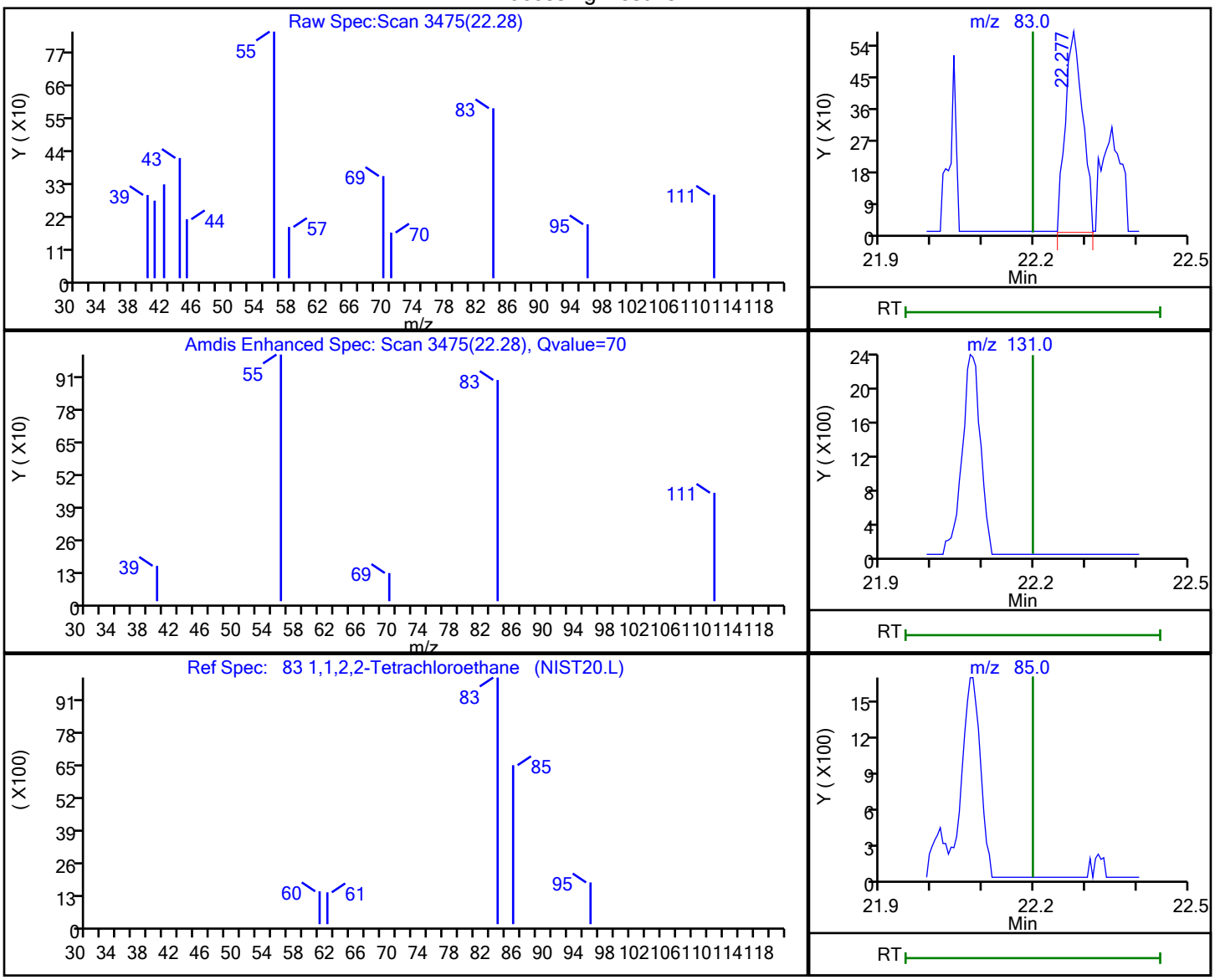
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
22.28	83.00	1352	0.054664
22.20	131.00	0	
22.20	85.00	0	

Reviewer: YWL8, 18-Sep-2024 08:22:13 07:00:00 (UTC)

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

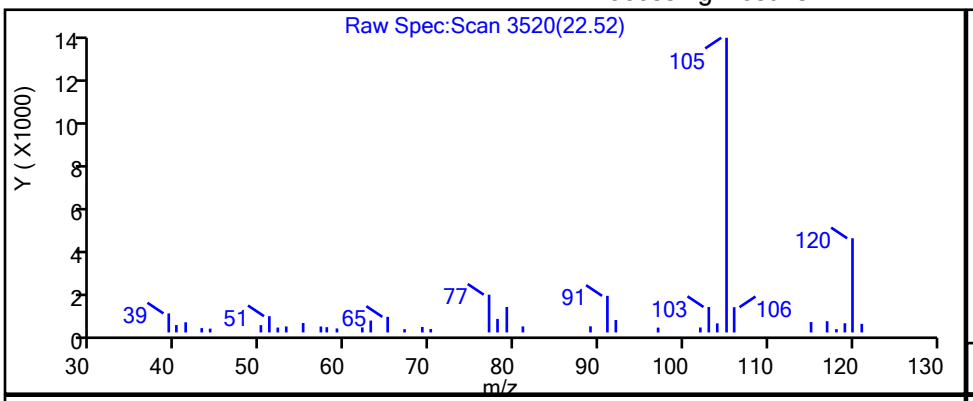
User Disabled Compound Report

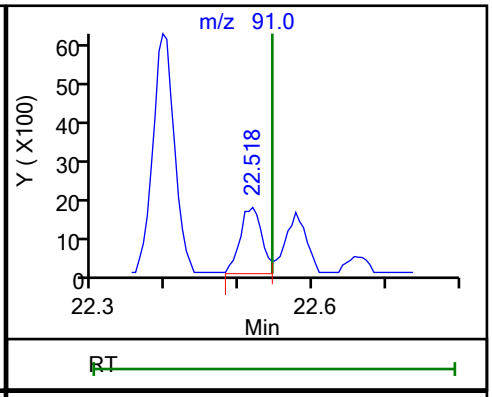
Eurofins Burlington

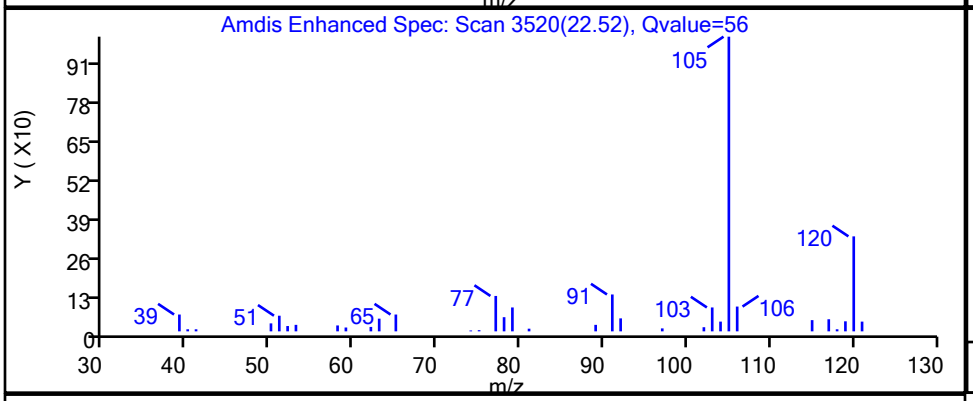
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

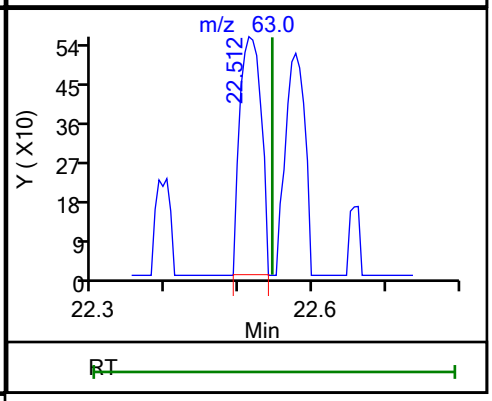
86 2-Chlorotoluene, CAS: 95-49-8

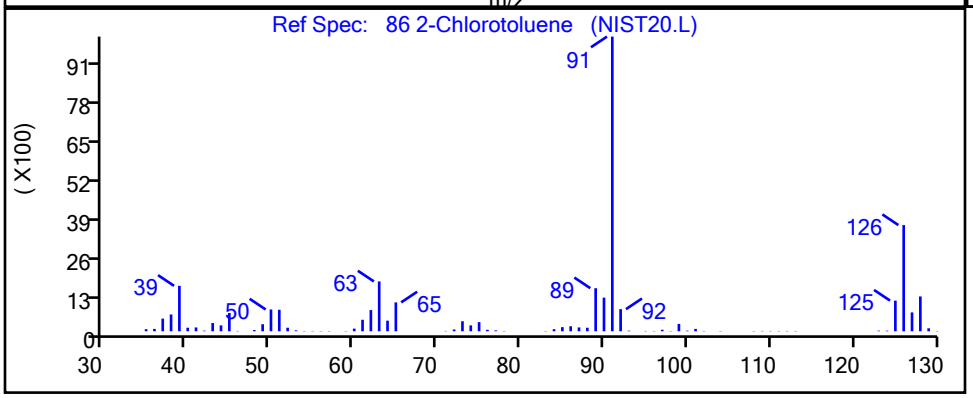
Processing Results











RT	Mass	Response	Amount
22.52	91.00	3490	0.078966
22.51	63.00	1130	

Reviewer: YWL8, 18-Sep-2024 08:22:16 07:00:00 (UTC)

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

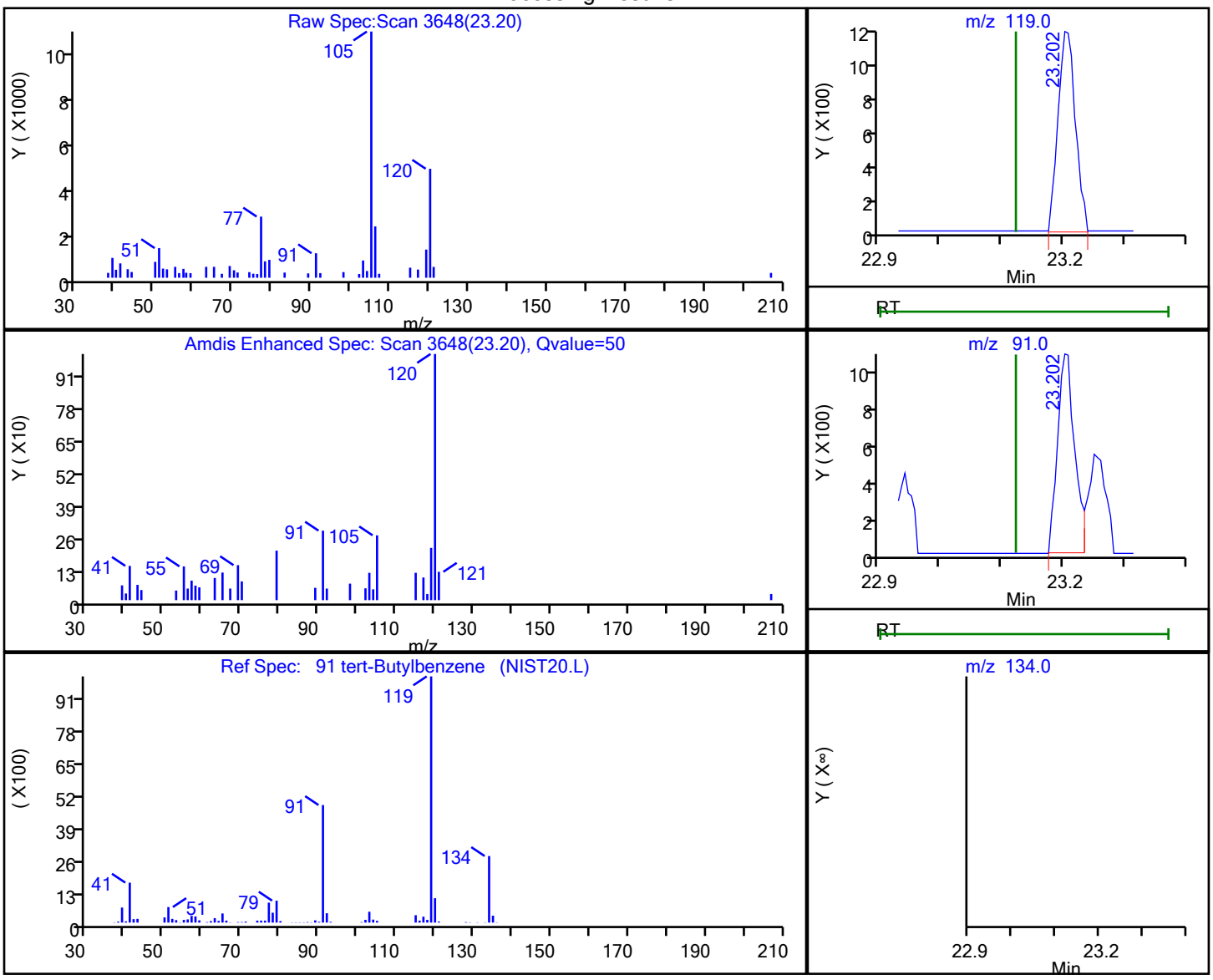
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
23.20	119.00	2345	0.050831
23.20	91.00	2033	
23.12	134.00	0	

Reviewer: YWL8, 18-Sep-2024 08:22:20 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

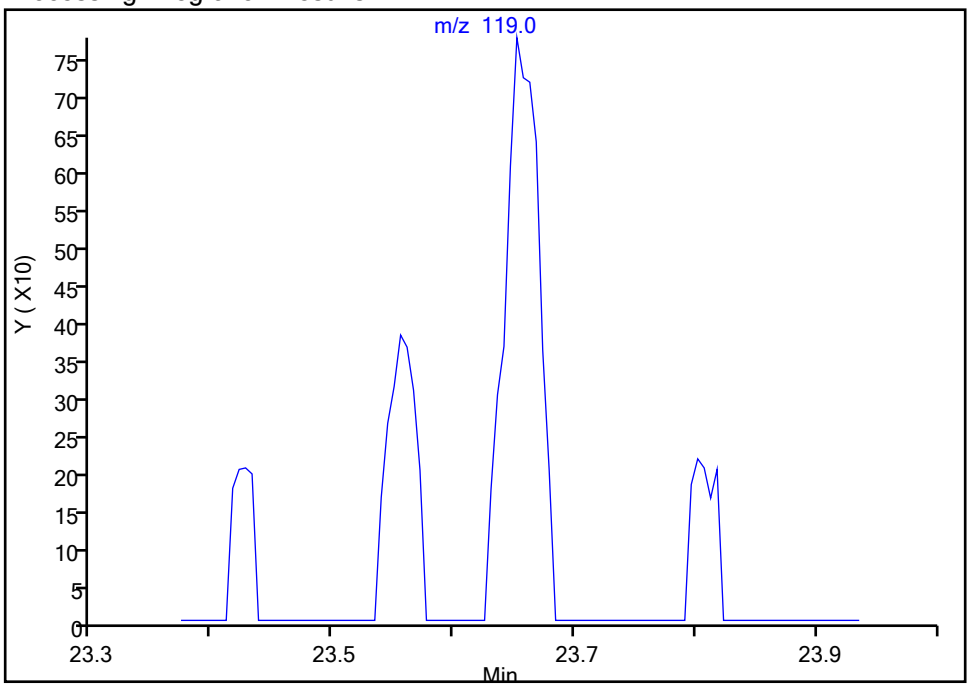
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

95 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

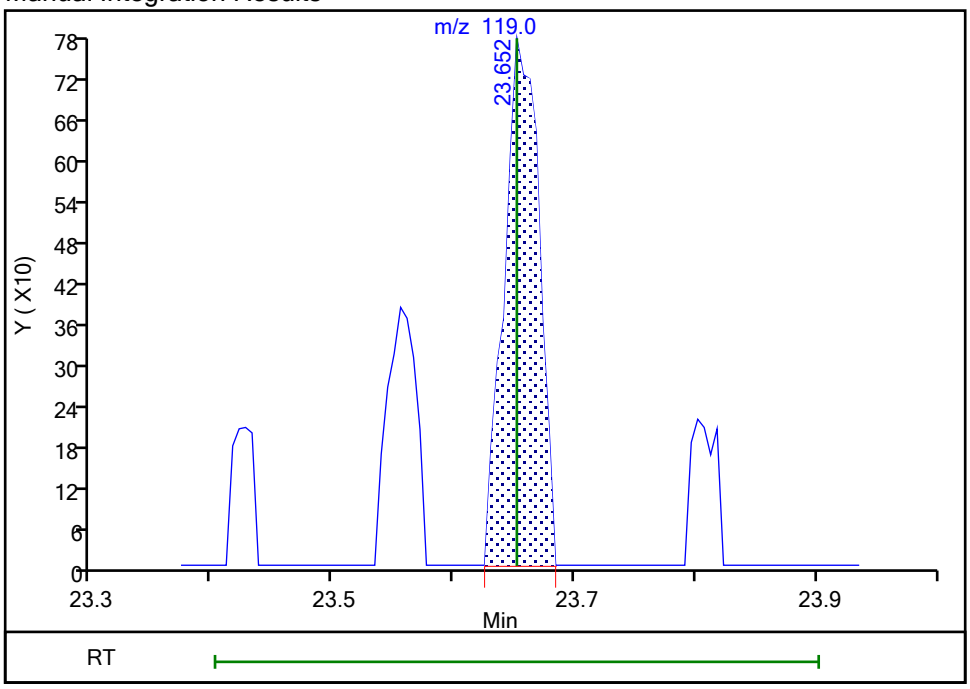
Not Detected
Expected RT: 23.65

Processing Integration Results



Manual Integration Results

RT: 23.65
Area: 1551
Amount: 0.026056
Amount Units: ppb v/v



Reviewer: YWL8, 18-Sep-2024 08:22:30 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

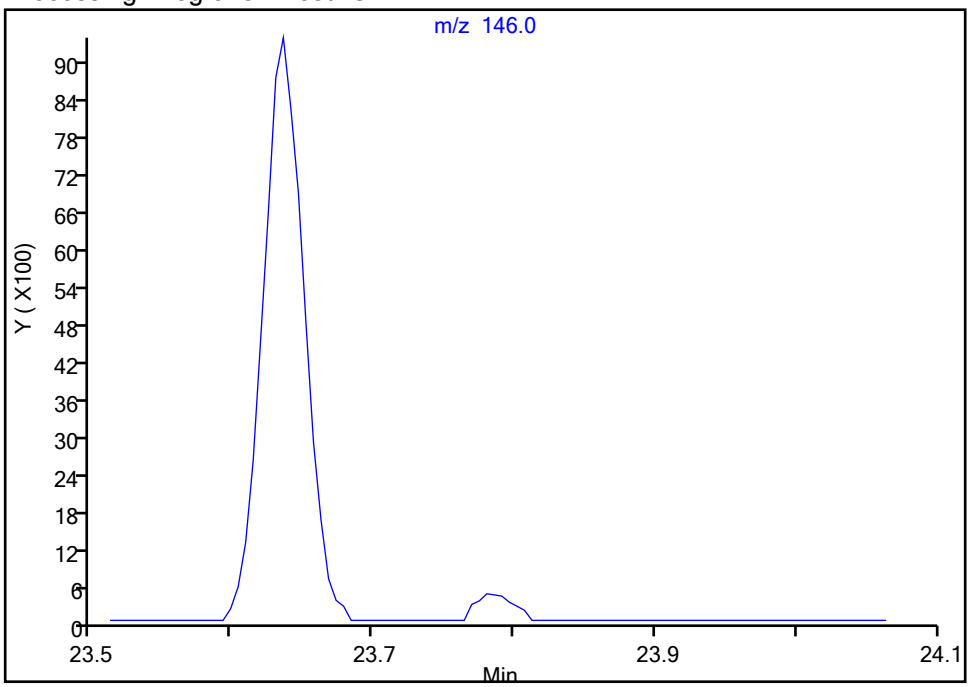
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

96 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

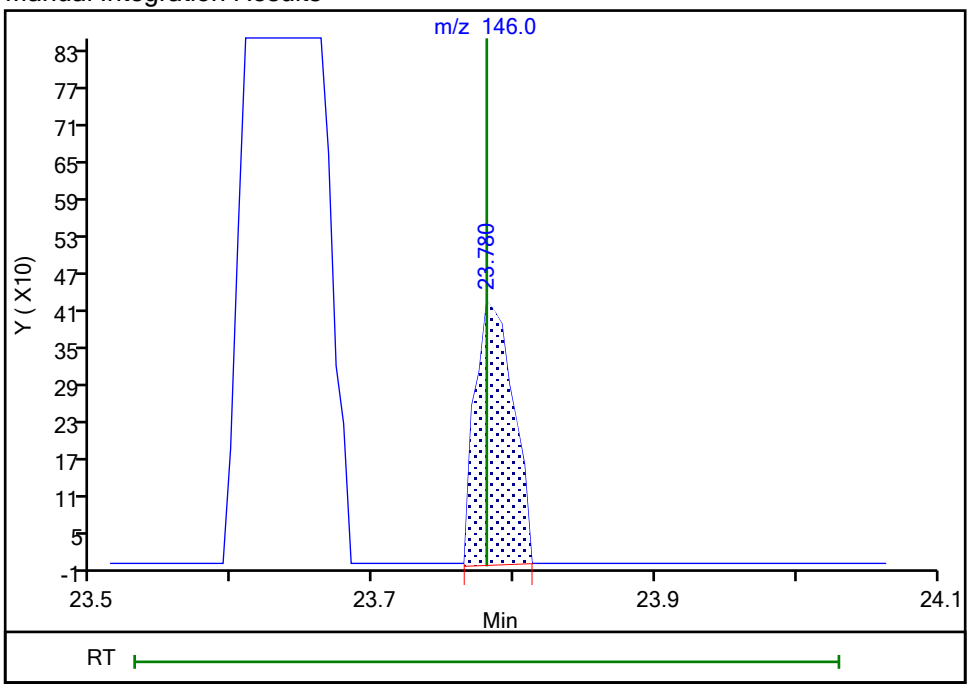
Not Detected
Expected RT: 23.78

Processing Integration Results



Manual Integration Results

RT: 23.78
Area: 796
Amount: 0.025605
Amount Units: ppb v/v



Reviewer: YWL8, 18-Sep-2024 08:22:45 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Report Date: 18-Sep-2024 08:22:59 Chrom Revision: 2.3 26-Aug-2024 17:14:48

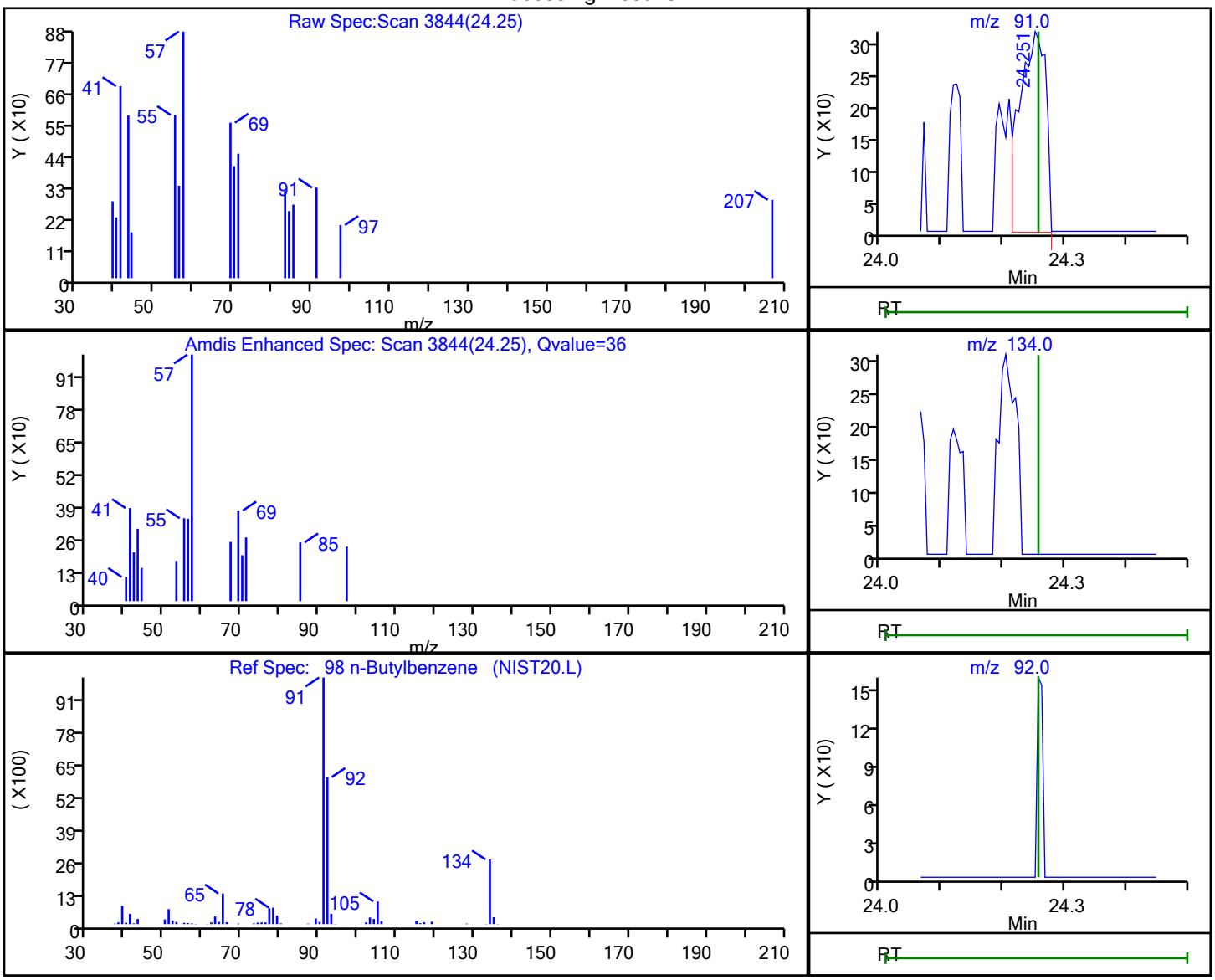
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-15.d				
Injection Date:	17-Sep-2024 20:19:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-9	Lab Sample ID:	200-75119-9		
Client ID:	RXSV-1				
Operator ID:	vtp	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
24.25	91.00	947	0.018354
24.26	134.00	0	
24.26	92.00	0	

Reviewer: YWL8, 18-Sep-2024 08:22:51 07:00:00 (UTC)

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

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: DUP_09132024 Lab Sample ID: 200-75119-10

Matrix: Air Lab File ID: 62088-16.d

Analysis Method: TO-15 Date Collected: 09/13/2024 14:00

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 21:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.1	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.92	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	0.79	J	1.0	0.31
106-97-8	n-Butane	58.12	1.4		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.6		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.42	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	28		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	2.7		1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	8.3	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	2.1		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	1.9		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: DUP_09132024 Lab Sample ID: 200-75119-10

Matrix: Air Lab File ID: 62088-16.d

Analysis Method: TO-15 Date Collected: 09/13/2024 14:00

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 21:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18
71-43-2	Benzene	78.11	0.45	J	0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	0.47	J	0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.96		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	44		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.30
179601-23-1	m,p-Xylene	106.17	0.76	J	2.2	0.41
95-47-6	o-Xylene	106.17	0.42	J	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.54	J	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: DUP_09132024 Lab Sample ID: 200-75119-10

Matrix: Air Lab File ID: 62088-16.d

Analysis Method: TO-15 Date Collected: 09/13/2024 14:00

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 21:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.92	J	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.4		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-75119-1

SDG No.:

Client Sample ID: DUP_09132024 | Lab Sample ID: 200-75119-10

Matrix: Air | Lab File ID: 62088-16.d

Analysis Method: TO-15 | Date Collected: 09/13/2024 14:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/17/2024 21:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

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

Analysis Batch No.: 208690 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.43	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.26	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.38	J	0.50	0.15
106-97-8	n-Butane	58.12	0.59		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.29		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.055	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	12		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.86		0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	2.7	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.71		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.39		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: DUP_09132024 Lab Sample ID: 200-75119-10

Matrix: Air Lab File ID: 62088-16.d

Analysis Method: TO-15 Date Collected: 09/13/2024 14:00

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 21:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038
71-43-2	Benzene	78.11	0.14	J	0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.11	J	0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.25		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	6.5		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.18	J	0.50	0.095
95-47-6	o-Xylene	106.17	0.096	J	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.11	J	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: DUP_09132024 Lab Sample ID: 200-75119-10

Matrix: Air Lab File ID: 62088-16.d

Analysis Method: TO-15 Date Collected: 09/13/2024 14:00

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 21:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.19	J	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.23		0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d
Lims ID: 200-75119-A-10
Client ID: DUP_09132024
Sample Type: Client
Inject. Date: 17-Sep-2024 21:14:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062088-016
Misc. Info.: 75119-10
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 14:26:18 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: YWL8 Date: 18-Sep-2024 14:26:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.115	4.122	-0.005	99	8511	0.4251	
3 Chlorodifluoromethane	51	4.152	4.159	-0.006	96	2921	0.2598	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.457	4.459	0.000	95	964	0.0448	
5 Chloromethane	50	4.570	4.577	-0.005	95	2299	0.3817	
6 Vinyl chloride	62		4.880				ND	
7 Butane	43	4.885	4.887	0.000	94	6808	0.5915	
8 Butadiene	54		4.997				ND	MU
9 Bromomethane	94		5.746				ND	
10 Chloroethane	64		6.041				ND	
13 Vinyl bromide	106		6.511				ND	
14 Trichlorofluoromethane	101	6.699	6.702	0.000	97	6158	0.2919	
20 1,1-Dichloroethene	96		7.940				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.993	7.992	0.005	48	1017	0.0549	
22 Acetone	43	8.052	8.034	0.021	98	130948	11.8	
23 Isopropyl alcohol	45	8.459	8.393	0.070	96	4051	0.3745	
24 Carbon disulfide	76	8.432	8.436	0.000	99	18711	0.8582	
26 3-Chloro-1-propene	41		8.774				ND	
27 Methylene Chloride	49	9.063	9.062	0.005	84	974	0.1140	
28 2-Methyl-2-propanol	59	9.358	9.324	0.038	97	42357	2.74	
30 trans-1,2-Dichloroethene	61		9.662				ND	
31 Methyl tert-butyl ether	73		9.673				ND	
32 Hexane	57		10.272				ND	MU
33 1,1-Dichloroethane	63		10.566				ND	
36 2-Butanone (MEK)	72	11.727	11.679	0.053	99	3002	0.7144	
37 cis-1,2-Dichloroethene	96		11.706				ND	
* 39 Chlorobromomethane	128	12.171	12.171	0.000	89	65638	10.0	
40 Tetrahydrofuran	42		12.236				ND	
41 Chloroform	83	12.369	12.370	0.005	97	6945	0.3889	
42 1,1,1-Trichloroethane	97		12.712				ND	7
43 Cyclohexane	84	12.872	12.878	-0.006	1	221	0.0176	
44 Carbon tetrachloride	117		13.027				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Benzene	78	13.397	13.402	-0.005	94	3866	0.1409	
46 1,2-Dichloroethane	62		13.477				ND	
47 Isooctane	57	13.627	13.627	-0.005	38	1176	0.0291	M
48 n-Heptane	43	13.974	13.964	0.010	91	1612	0.1145	
* 49 1,4-Difluorobenzene	114	14.188	14.188	0.000	94	341895	10.0	
51 Trichloroethene	95		14.659				ND	
53 1,2-Dichloropropane	63		15.140				ND	
54 Methyl methacrylate	69		15.215				ND	
55 1,4-Dioxane	88		15.285				ND	7
58 Dichlorobromomethane	83		15.627				ND	
59 cis-1,3-Dichloropropene	75		16.473				ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.729				ND	7
62 Toluene	92	17.147	17.147	0.000	92	5084	0.2535	
66 trans-1,3-Dichloropropene	75		17.559				ND	MU
67 1,1,2-Trichloroethane	83		17.949				ND	MU
68 Tetrachloroethene	166	18.179	18.179	0.000	97	125618	6.52	
69 2-Hexanone	43		18.361				ND	7
70 Chlorodibromomethane	129		18.725				ND	
71 Ethylene Dibromide	107		18.982				ND	
* 73 Chlorobenzene-d5	117	19.912	19.912	0.000	86	295266	10.0	
74 Chlorobenzene	112		19.971				ND	
75 Ethylbenzene	91	20.159	20.153	0.006	91	2949	0.0663	
76 m-Xylene & p-Xylene	106	20.394	20.410	-0.016	0	3163	0.1751	
78 o-Xylene	106	21.122	21.116	0.006	95	1642	0.0957	
79 Styrene	104		21.148				ND	MU
81 Bromoform	173		21.469				ND	
82 Isopropylbenzene	105		21.737				ND	MU
83 1,1,2,2-Tetrachloroethane	83		22.197				ND	7
85 N-Propylbenzene	91	22.400	22.395	0.005	96	1774	0.0299	
86 2-Chlorotoluene	91		22.544				ND	MU
87 4-Ethyltoluene	105	22.577	22.577	0.000	89	2141	0.0427	
88 1,3,5-Trimethylbenzene	105	22.662	22.657	0.005	93	4737	0.1098	
91 tert-Butylbenzene	119		23.122				ND	
92 1,2,4-Trimethylbenzene	105	23.208	23.203	0.006	97	8051	0.1880	
93 sec-Butylbenzene	105		23.438				ND	MU
94 1,3-Dichlorobenzene	146	23.631	23.636	-0.005	97	6799	0.2256	
95 4-Isopropyltoluene	119		23.652				ND	MU
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	78	788	0.0270	
97 Benzyl chloride	91		23.930				ND	7
98 n-Butylbenzene	91		24.256				ND	7
99 1,2-Dichlorobenzene	146		24.315				ND	
102 1,2,4-Trichlorobenzene	180		27.033				ND	
103 Hexachlorobutadiene	225		27.306				ND	
104 Naphthalene	128		27.584				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

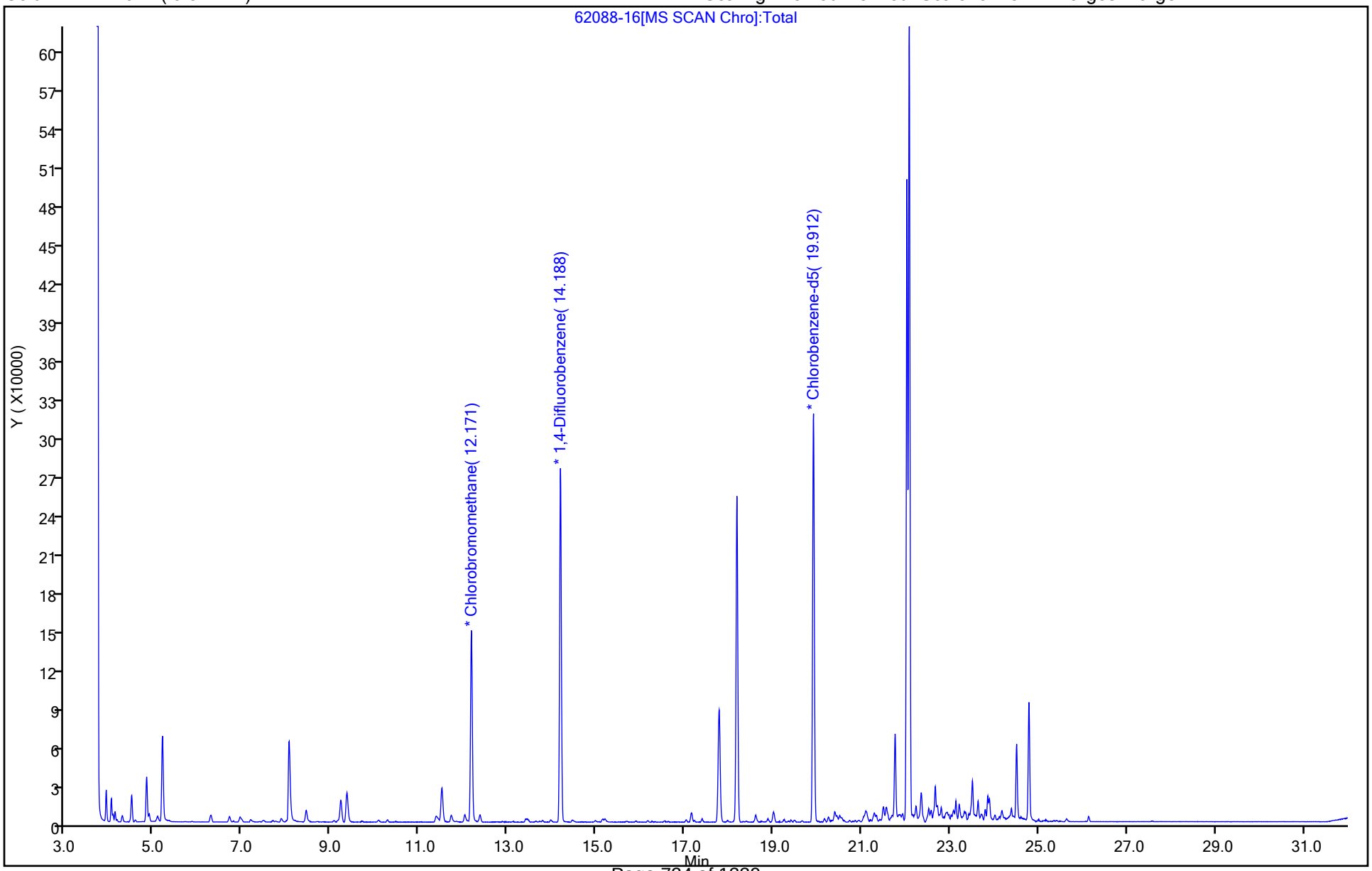
ATTO15WISs_00010 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Sep-2024 14:26:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10	Worklist Smp#:	16
Client ID:	DUP_09132024				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



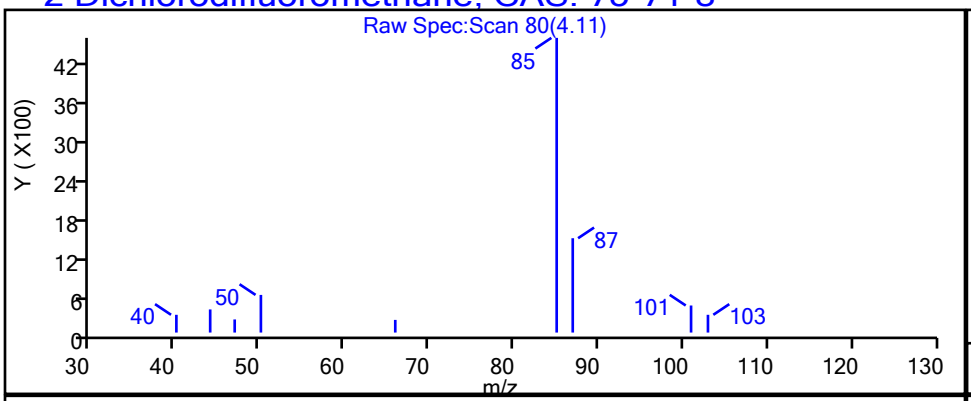
Report Date: 18-Sep-2024 14:26:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

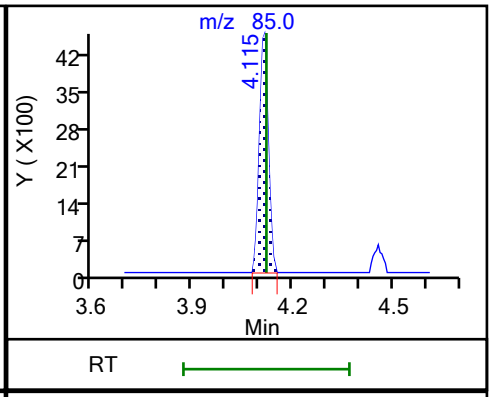
Eurofins Burlington

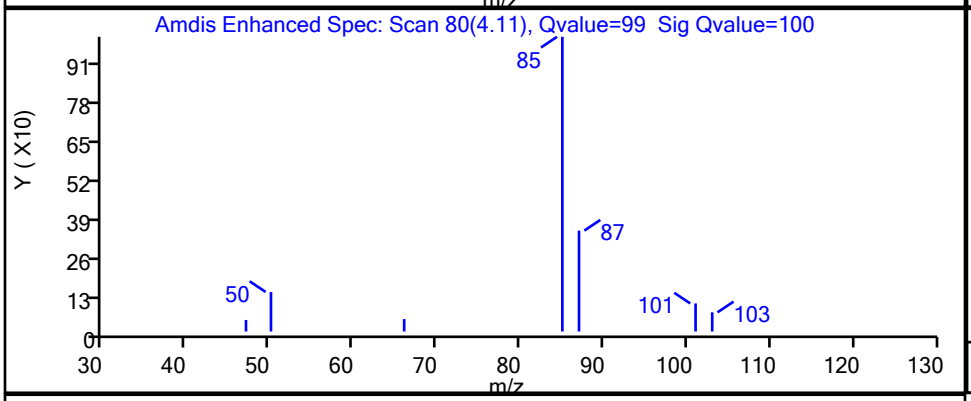
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

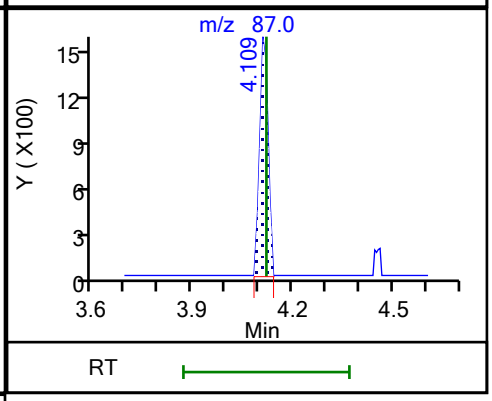
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10
Client ID:	DUP_09132024		
Operator ID:	vtp	ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

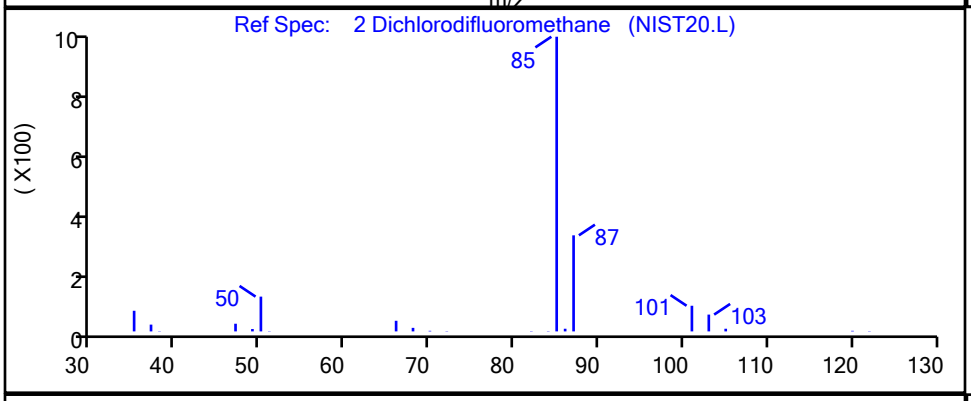
2 Dichlorodifluoromethane, CAS: 75-71-8

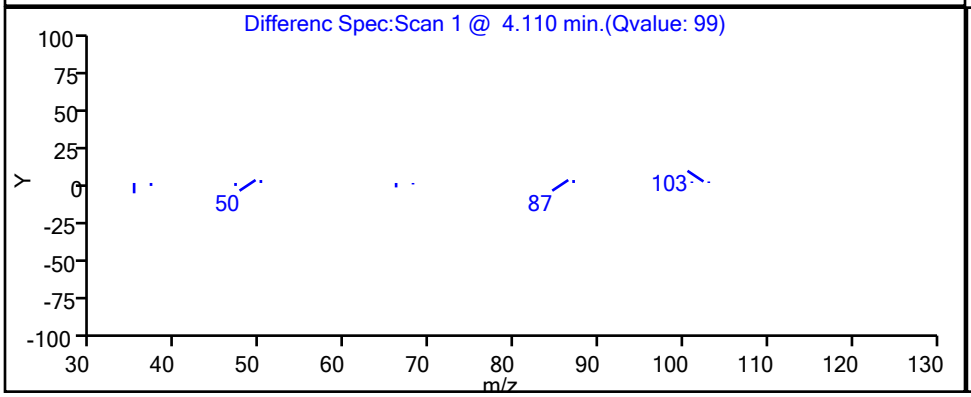


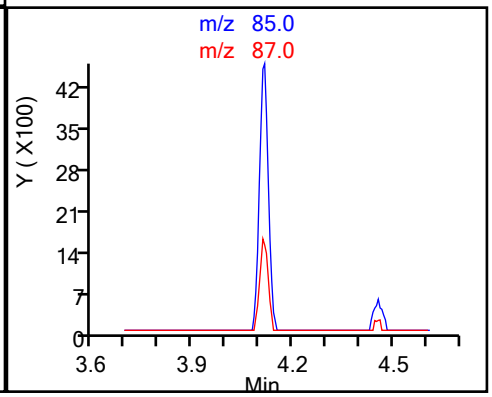












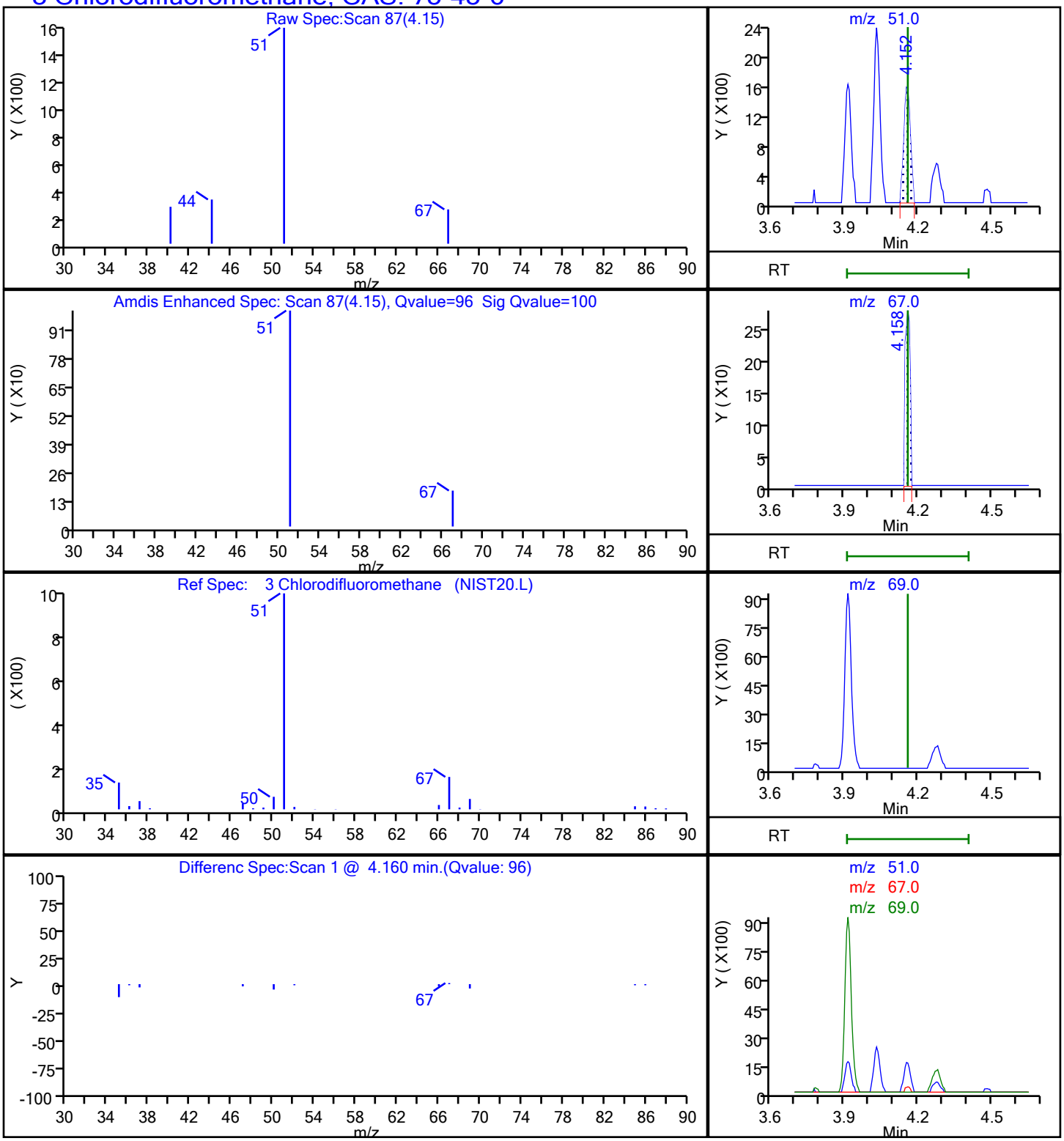
Report Date: 18-Sep-2024 14:26:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6



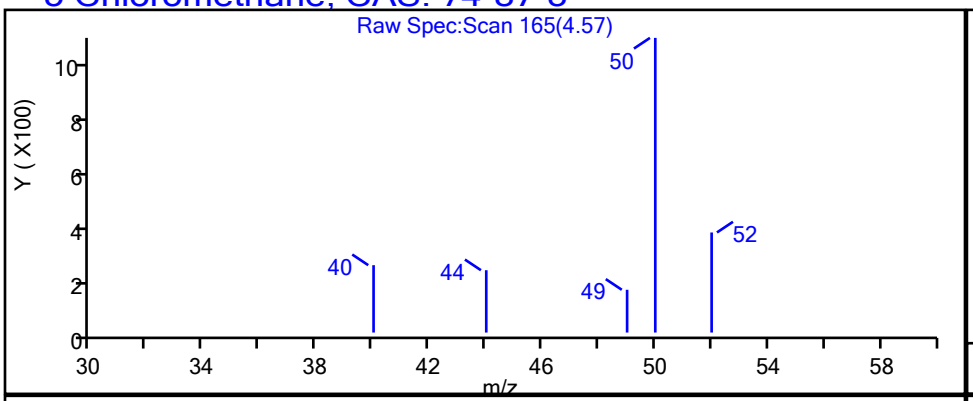
Report Date: 18-Sep-2024 14:26:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

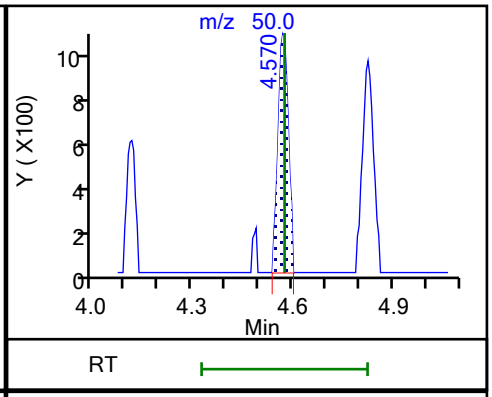
Eurofins Burlington

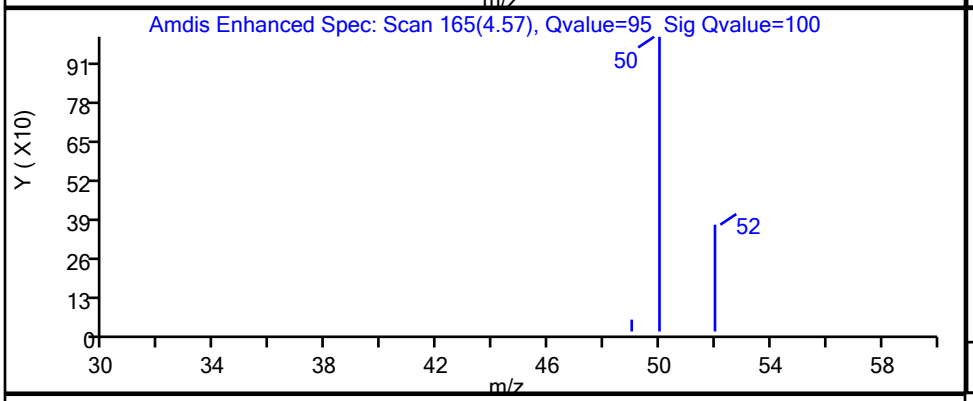
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

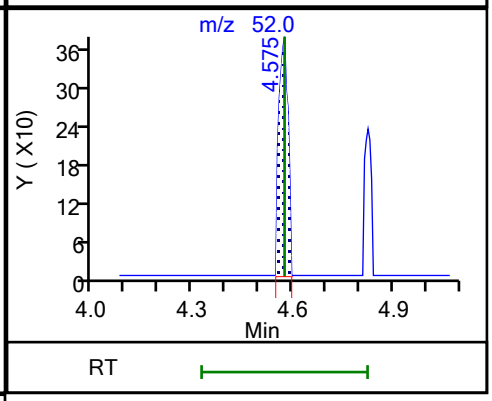
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

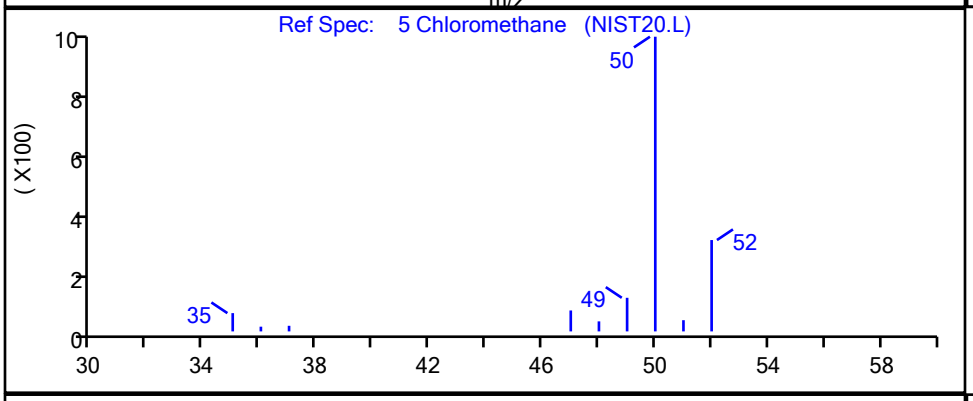
5 Chloromethane, CAS: 74-87-3

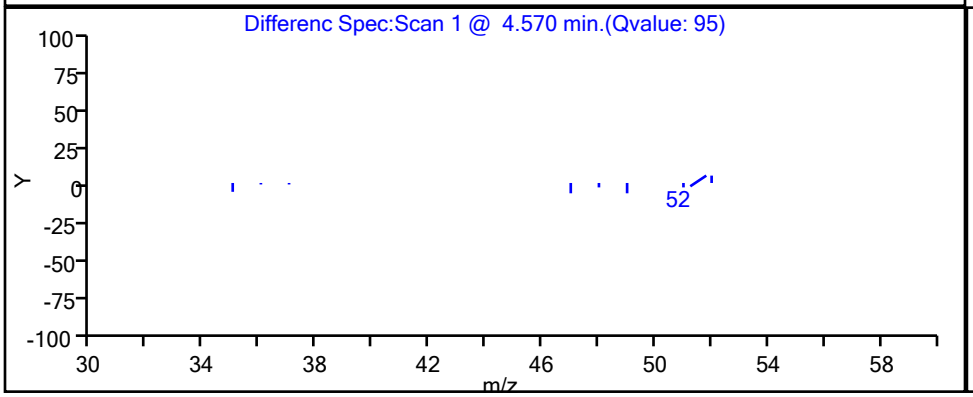


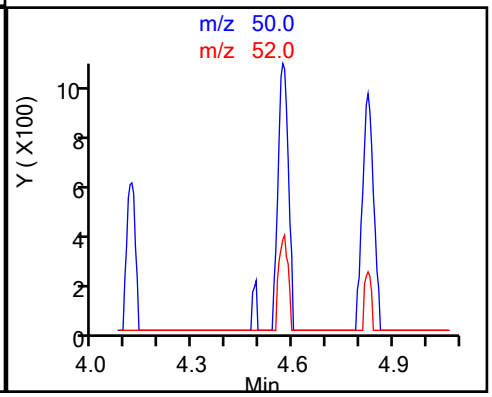












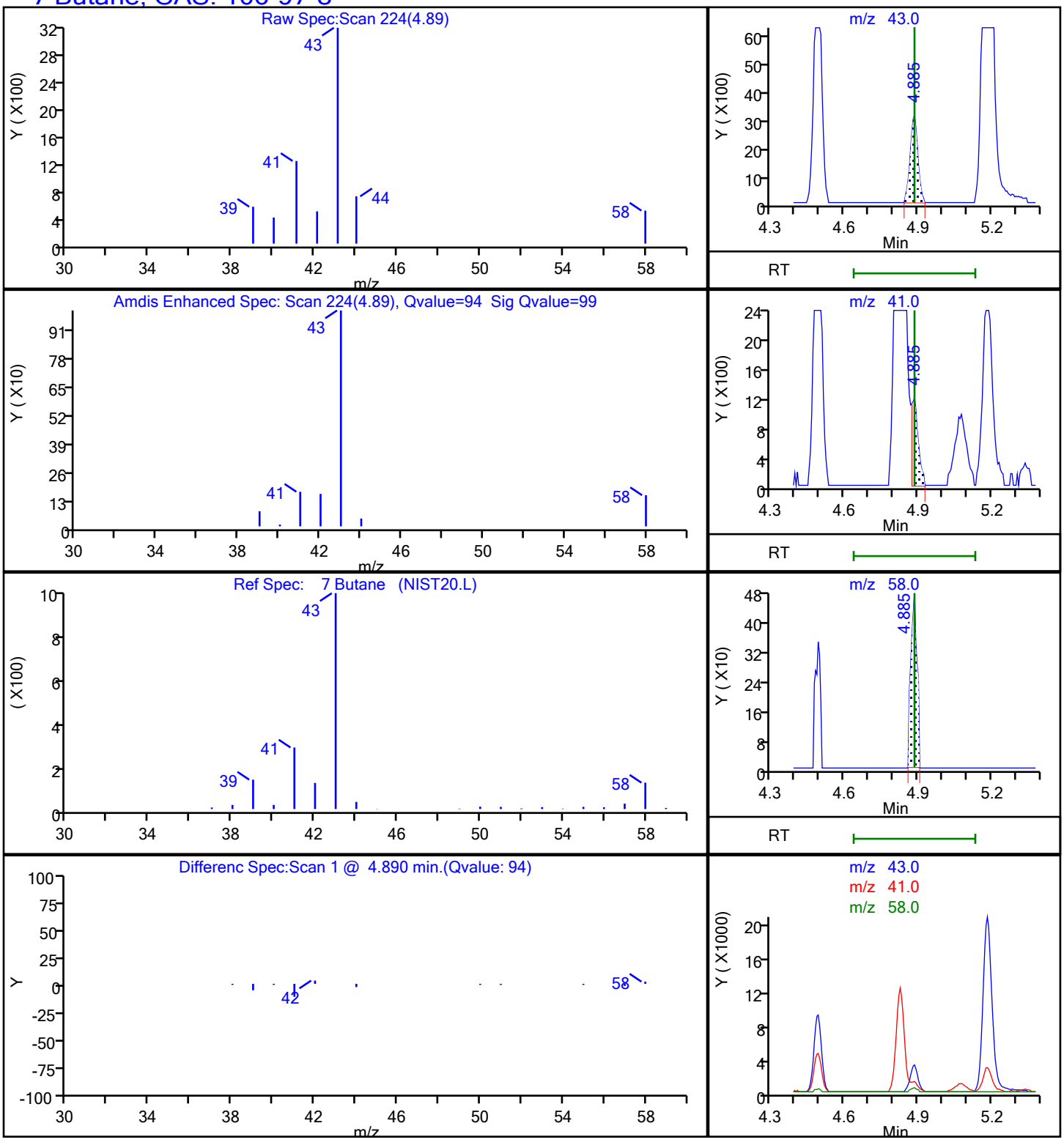
Report Date: 18-Sep-2024 14:26:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8



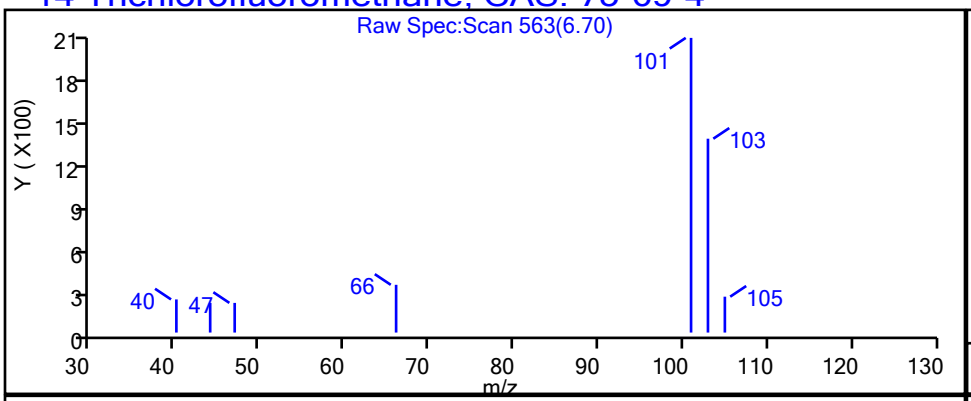
Report Date: 18-Sep-2024 14:26:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

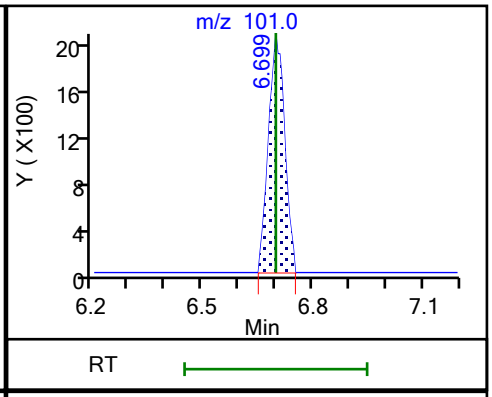
Eurofins Burlington

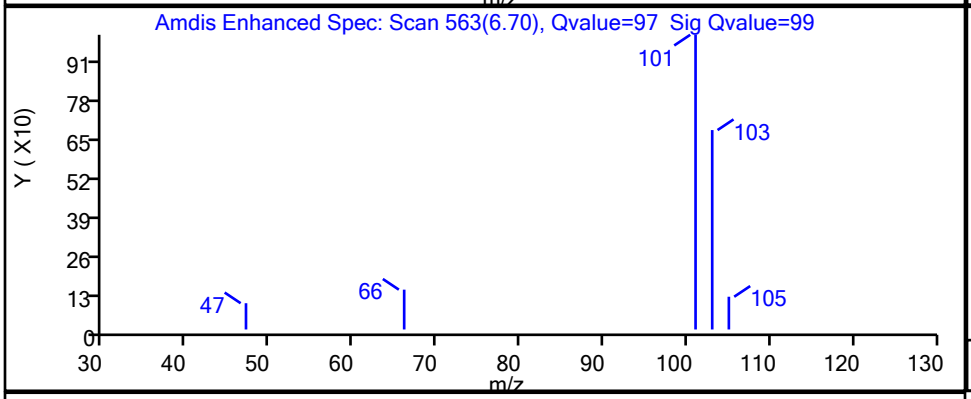
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

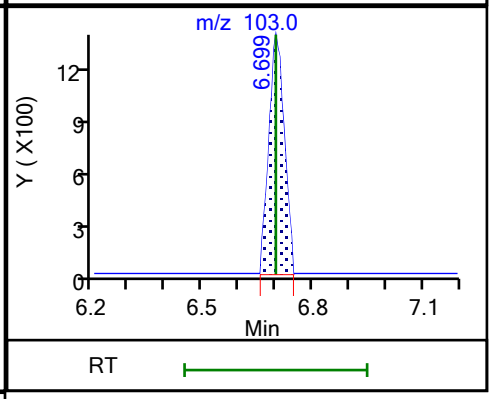
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

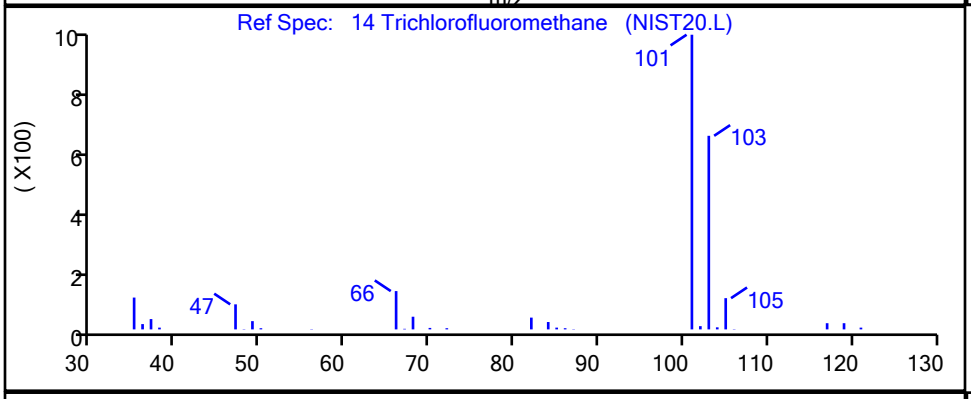
14 Trichlorofluoromethane, CAS: 75-69-4

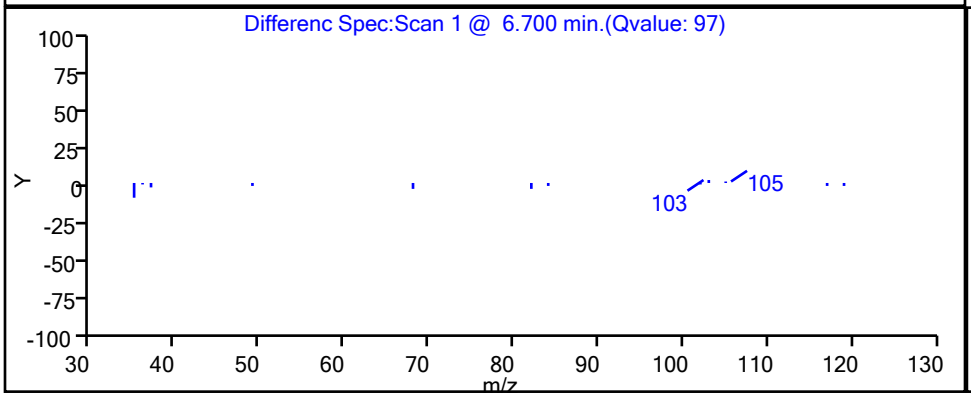


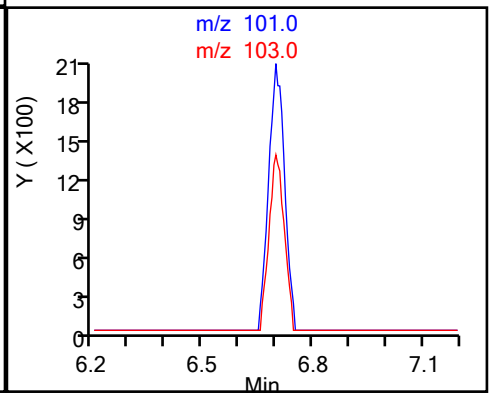












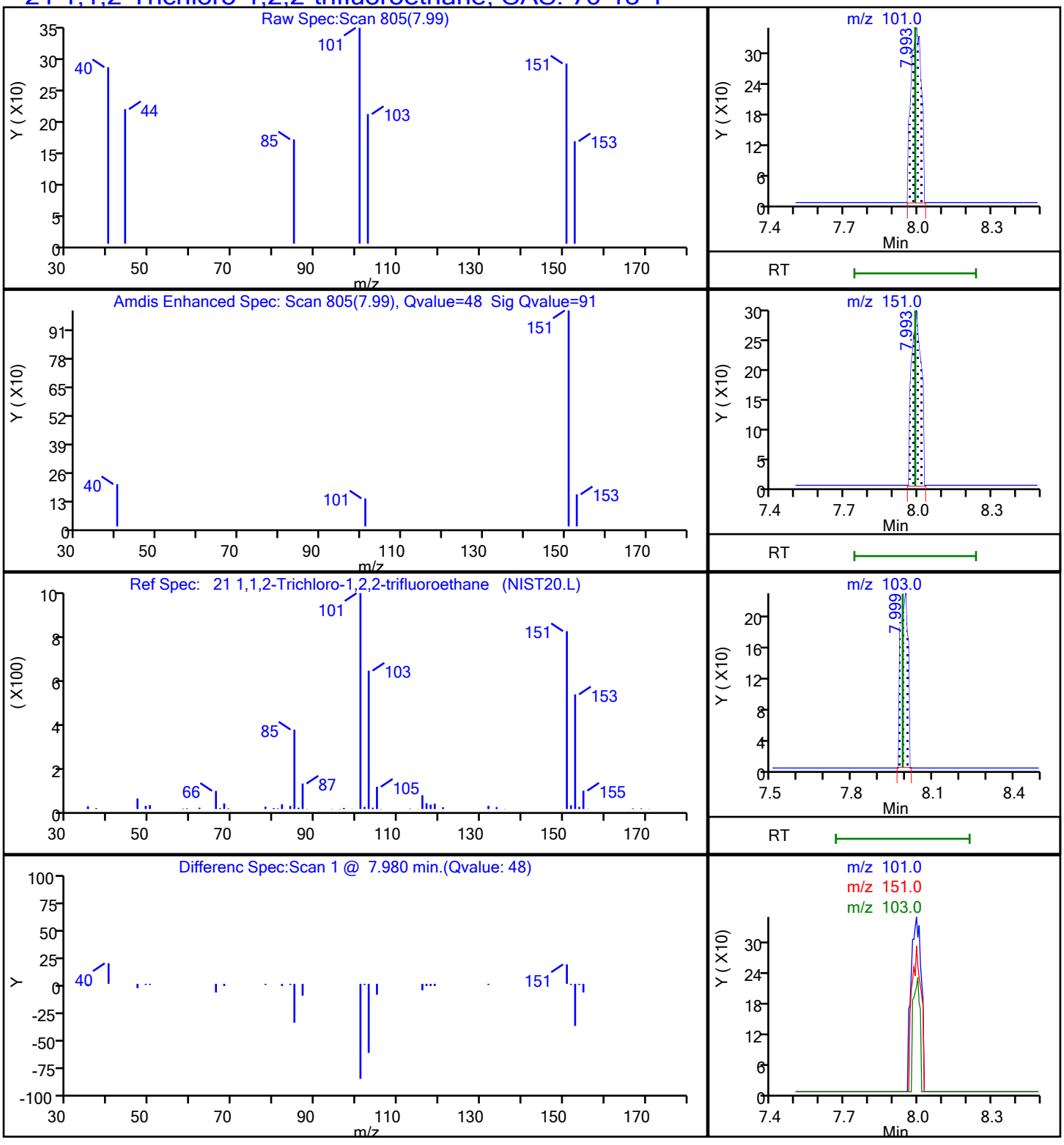
Report Date: 18-Sep-2024 14:26:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



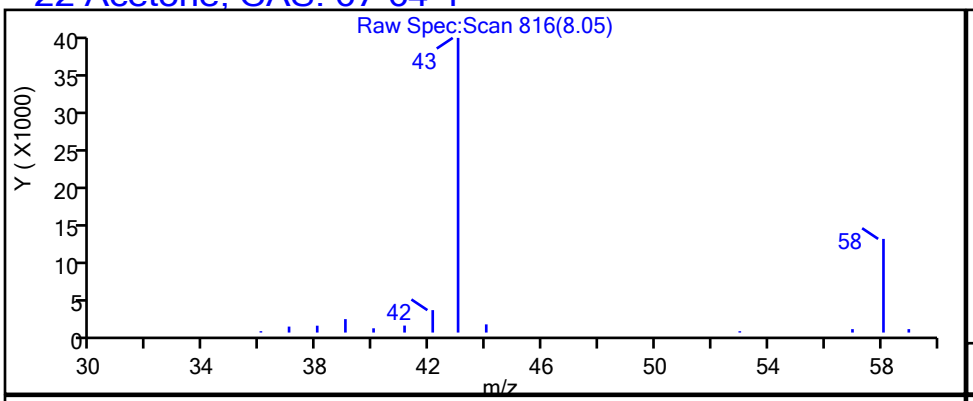
Report Date: 18-Sep-2024 14:26:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

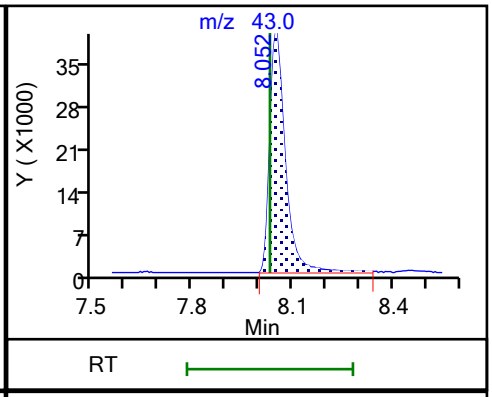
Eurofins Burlington

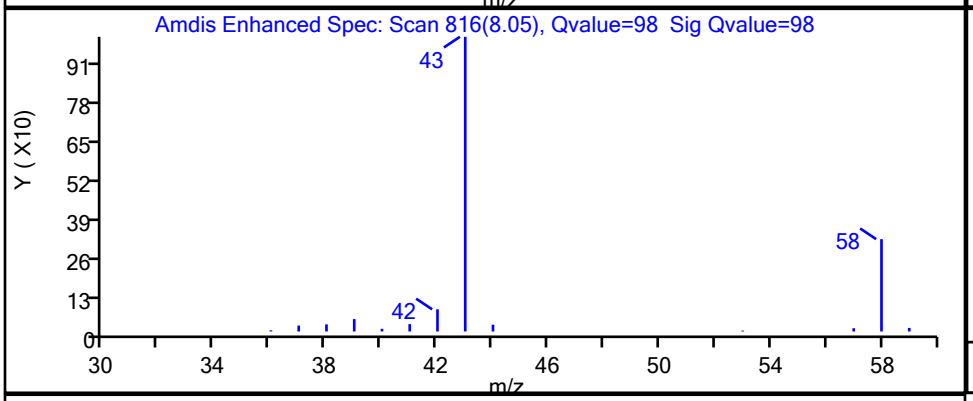
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

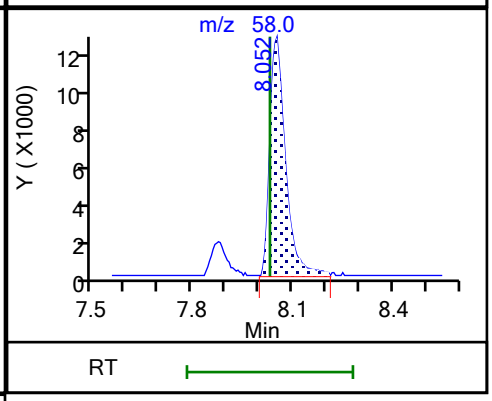
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

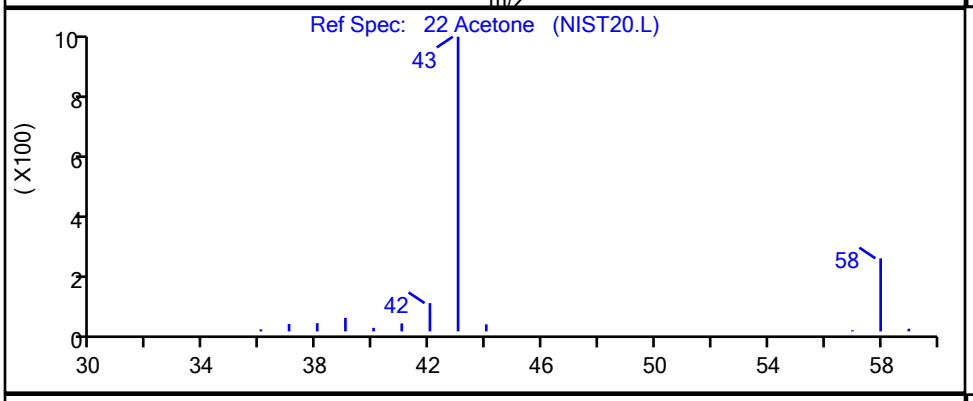
22 Acetone, CAS: 67-64-1

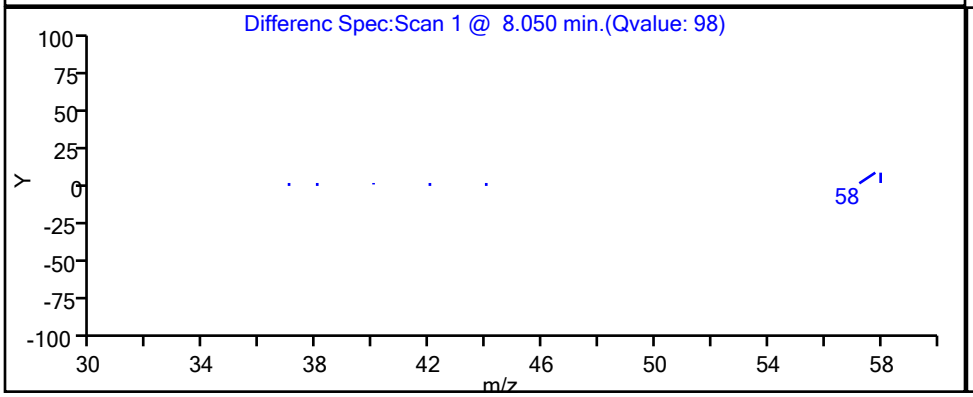


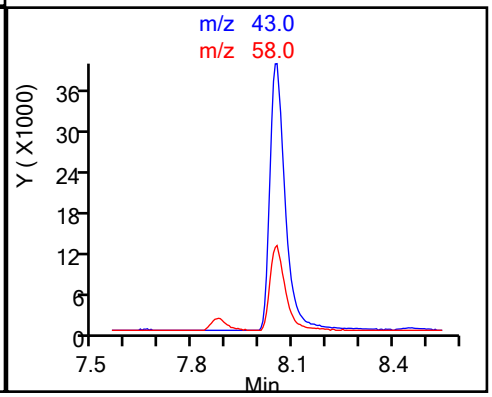












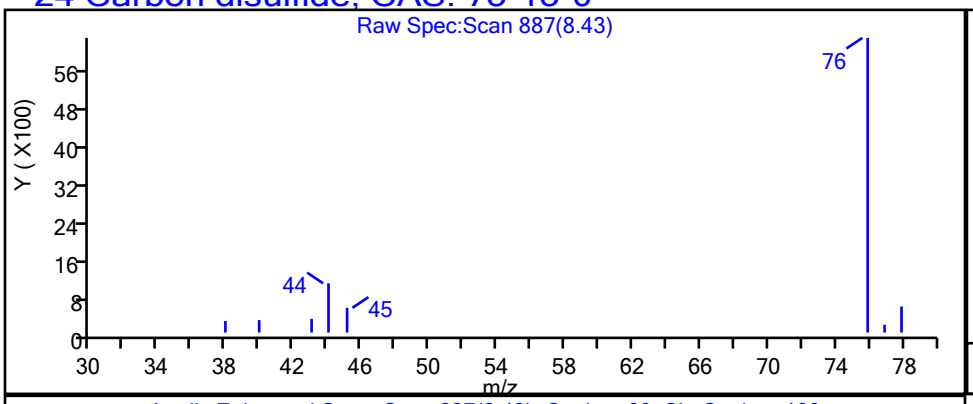
Report Date: 18-Sep-2024 14:26:19 Chrom Revision: 2.3 26-Aug-2024 17:14:48

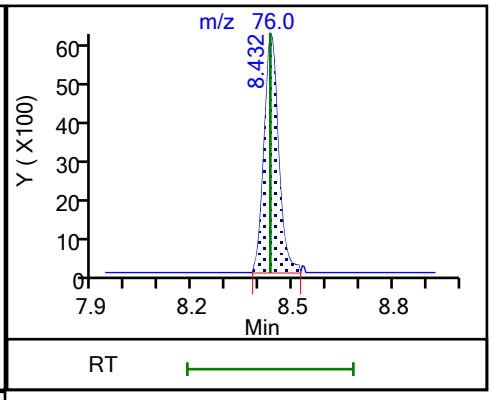
Eurofins Burlington

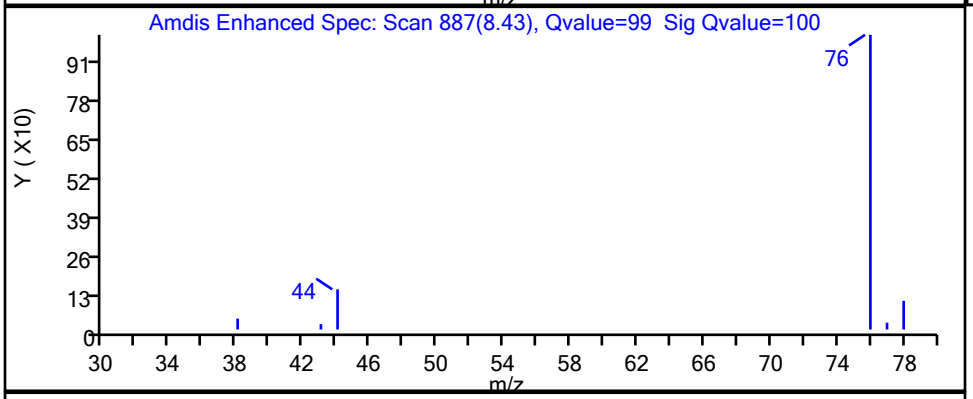
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

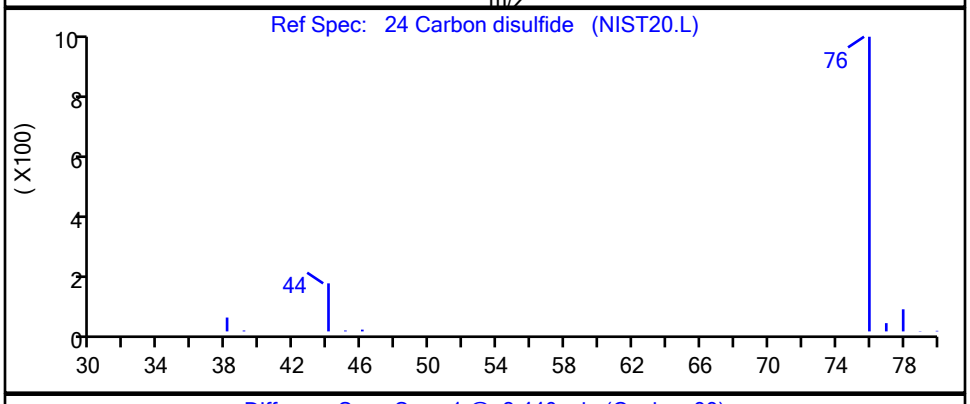
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

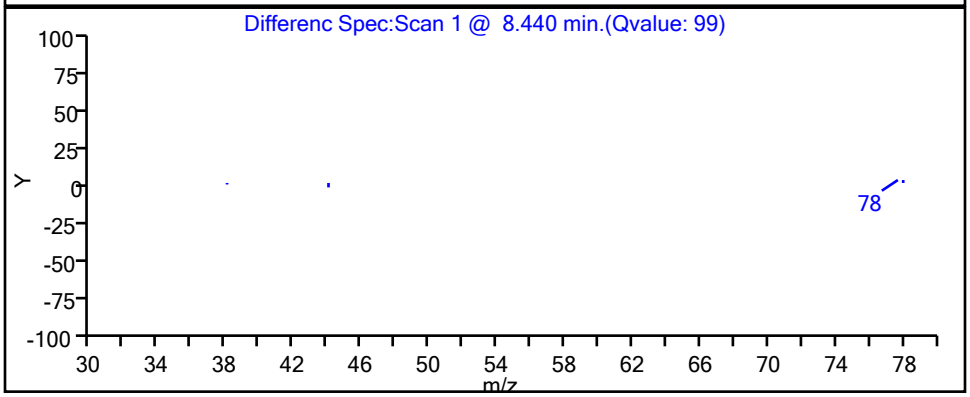
24 Carbon disulfide, CAS: 75-15-0











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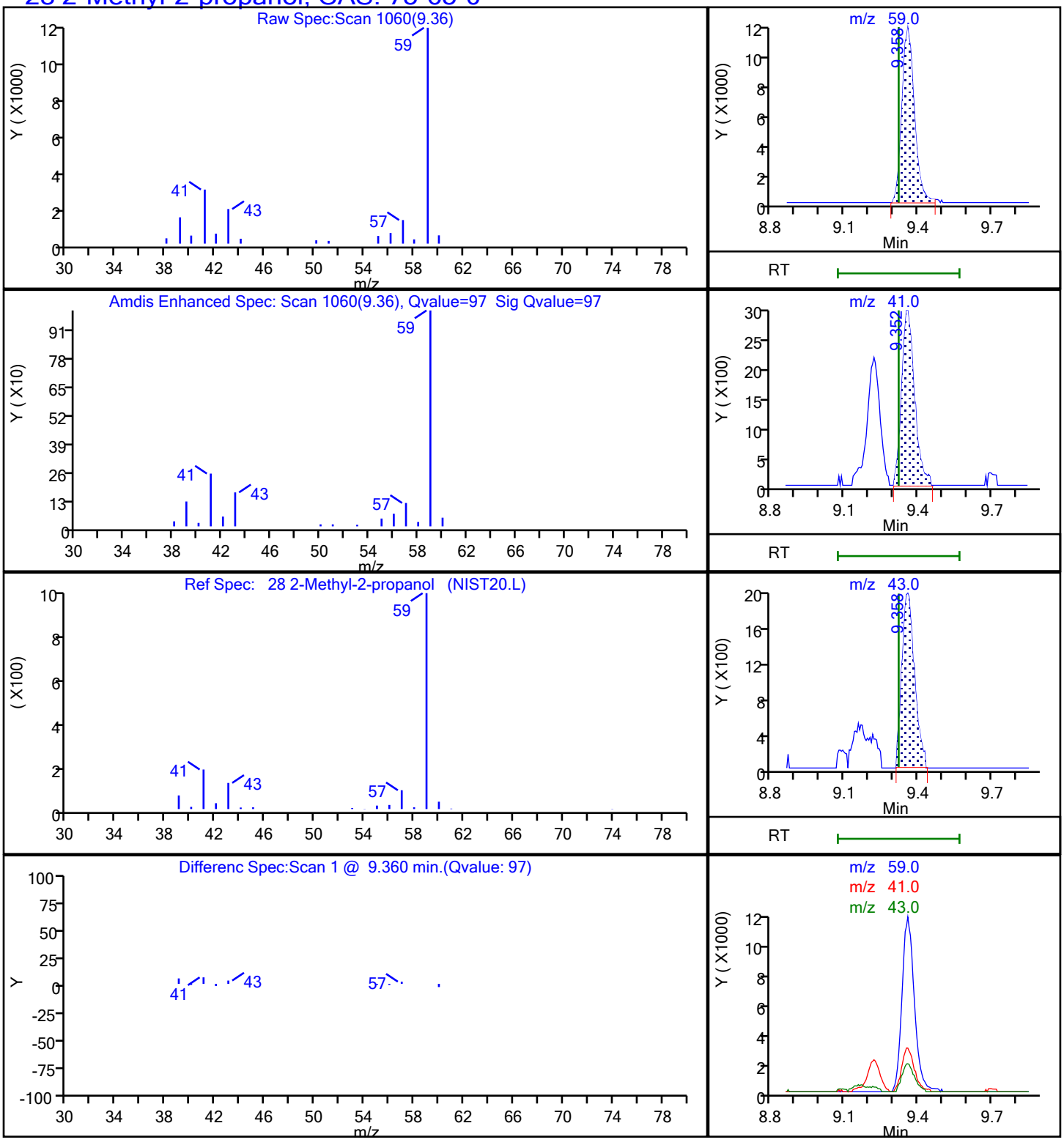
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

28 2-Methyl-2-propanol, CAS: 75-65-0



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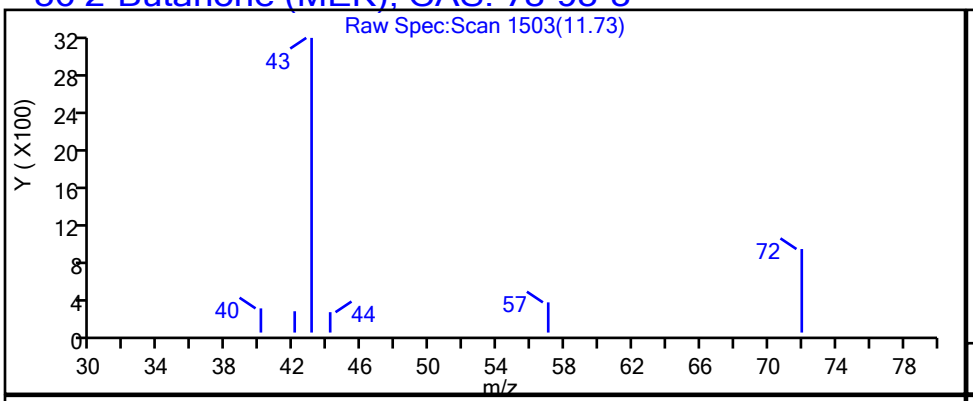
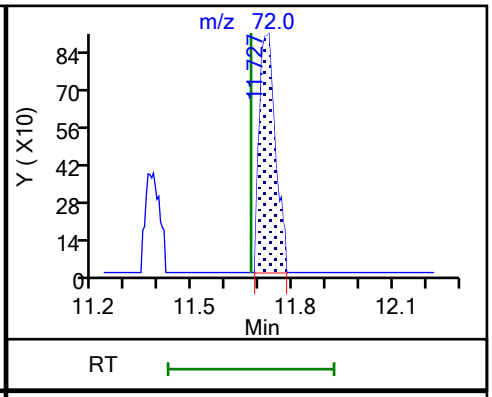
Eurofins Burlington

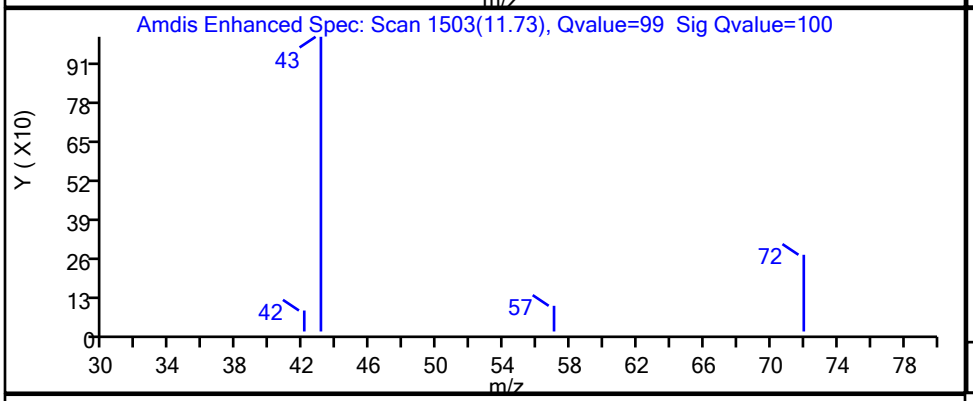
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

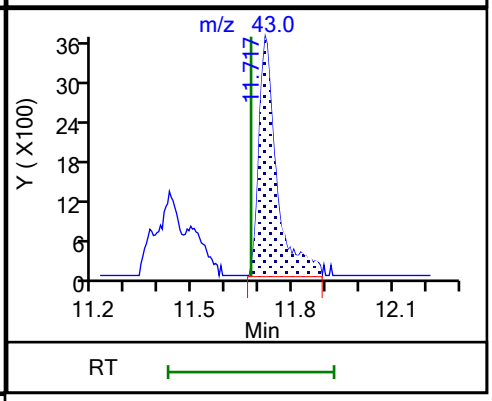
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

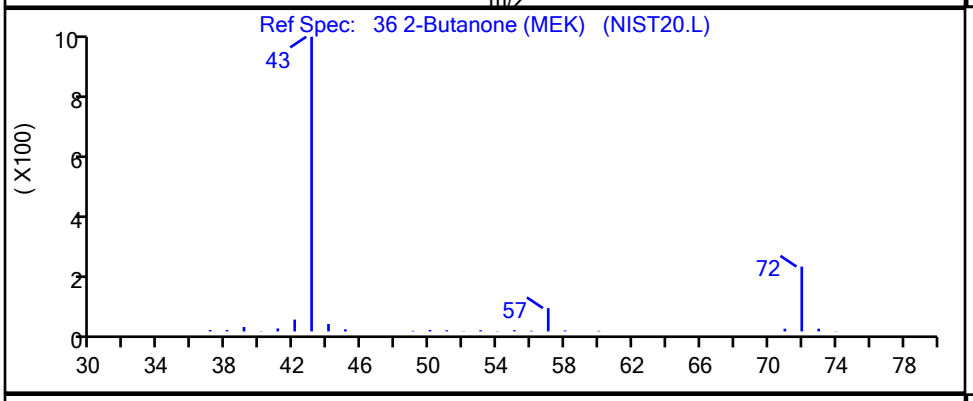
36 2-Butanone (MEK), CAS: 78-93-3

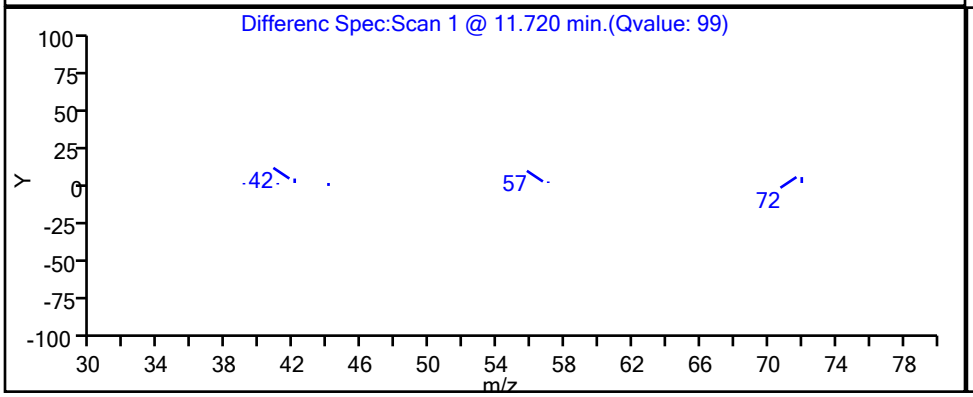


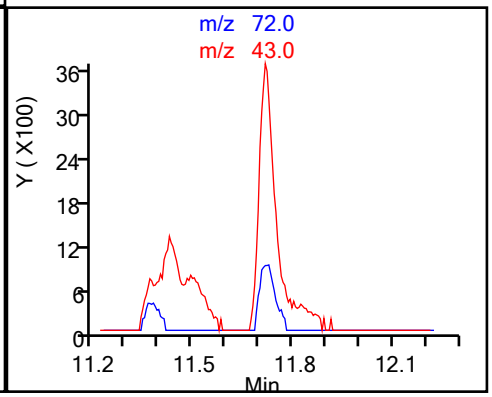












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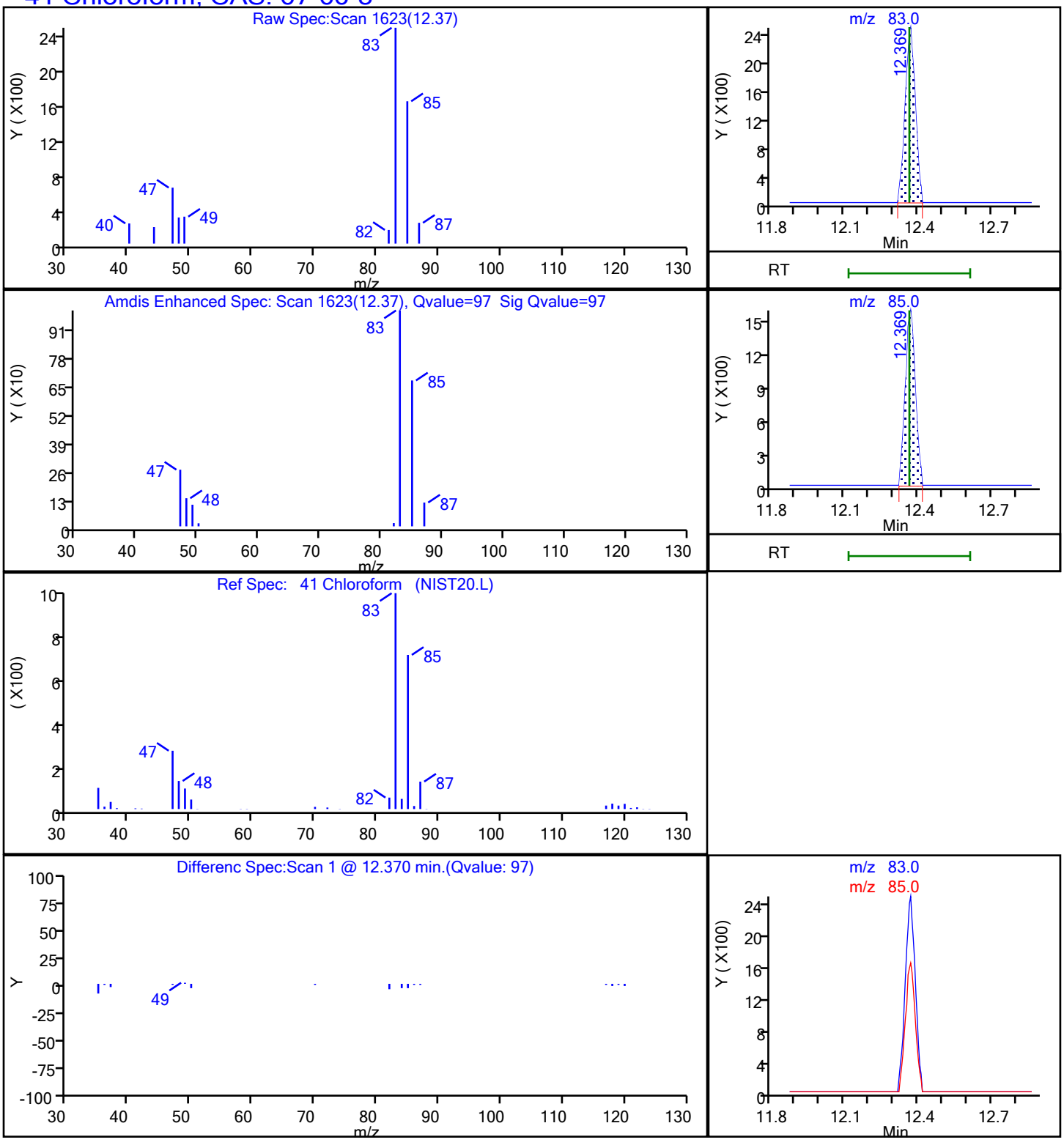
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

41 Chloroform, CAS: 67-66-3



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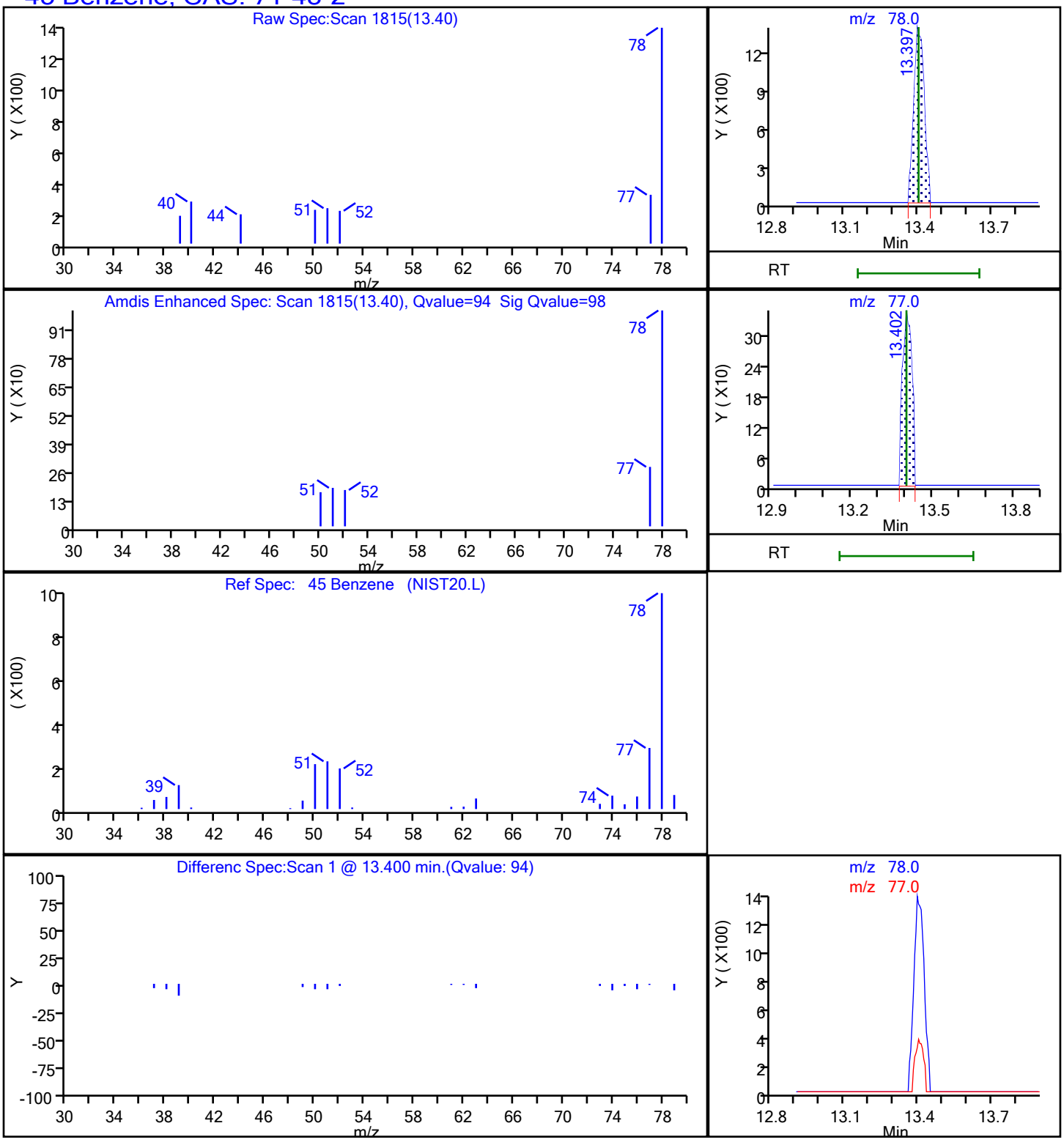
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Benzene, CAS: 71-43-2



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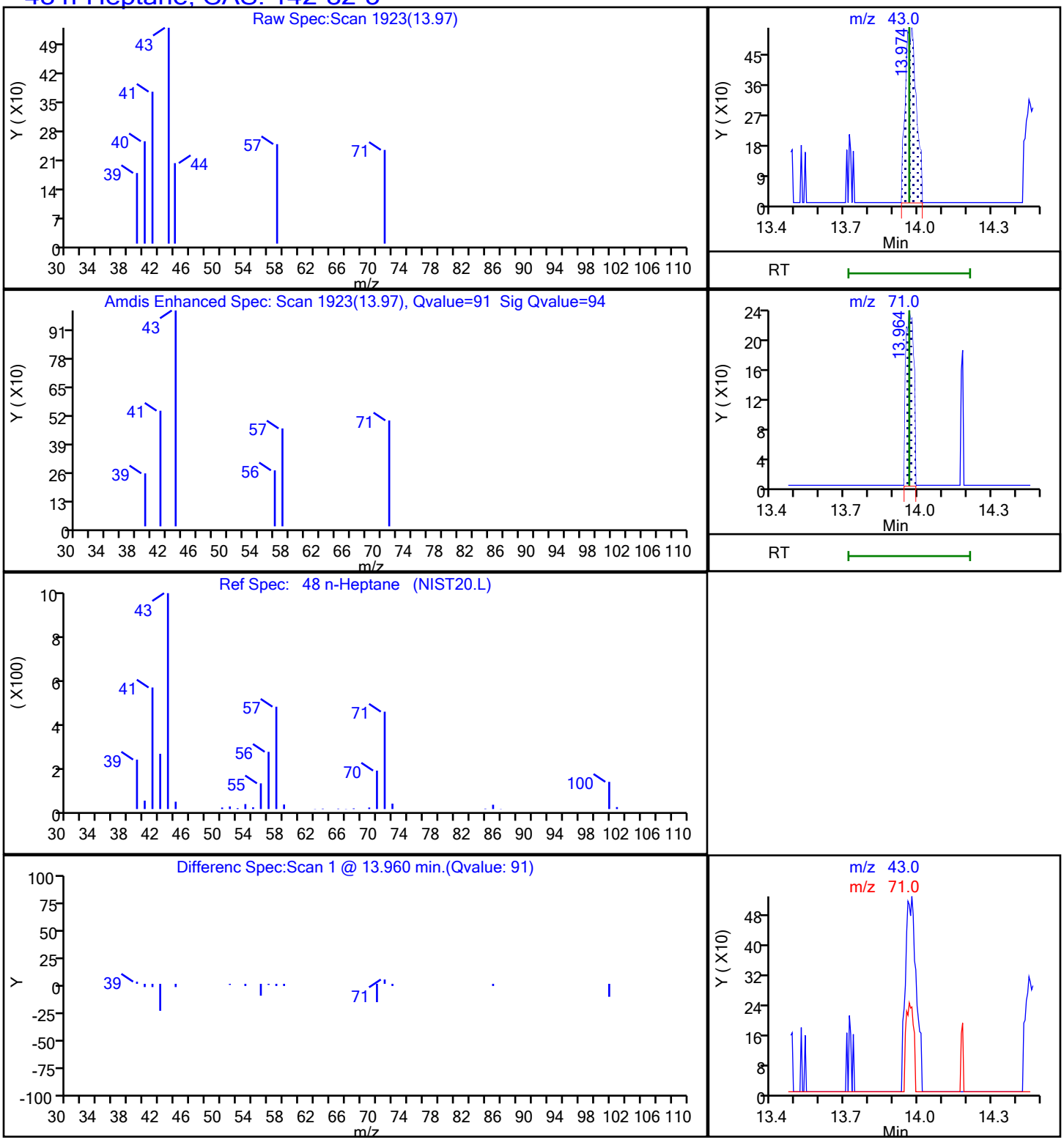
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5



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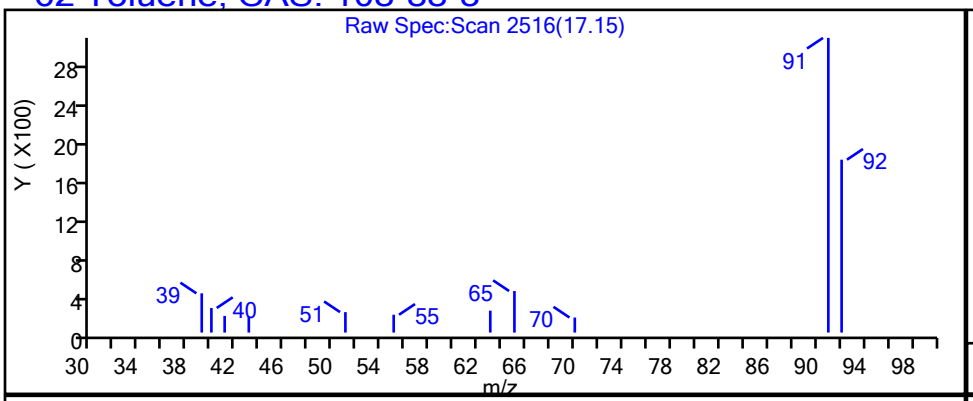
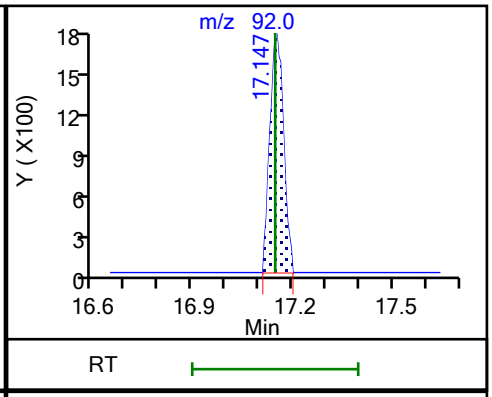
Eurofins Burlington

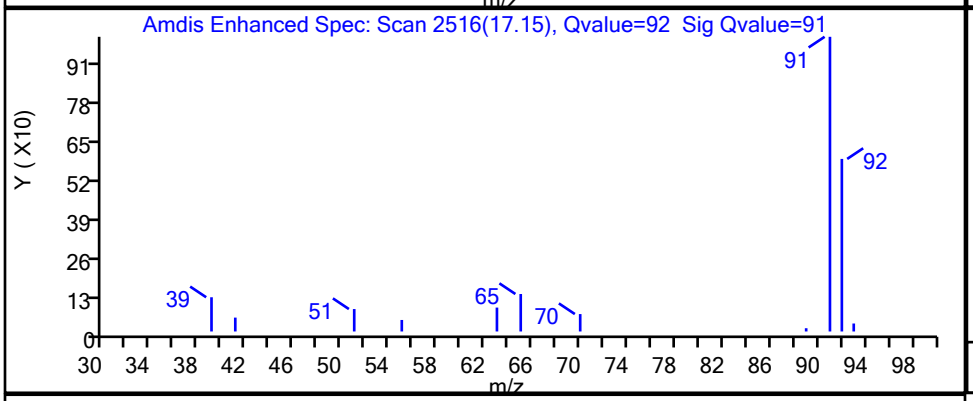
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

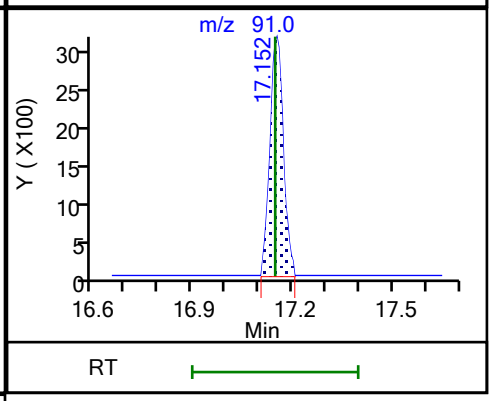
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

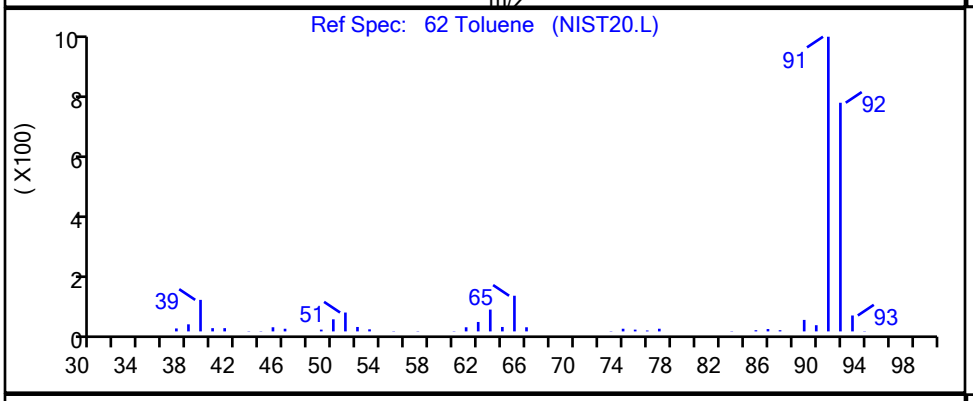
62 Toluene, CAS: 108-88-3

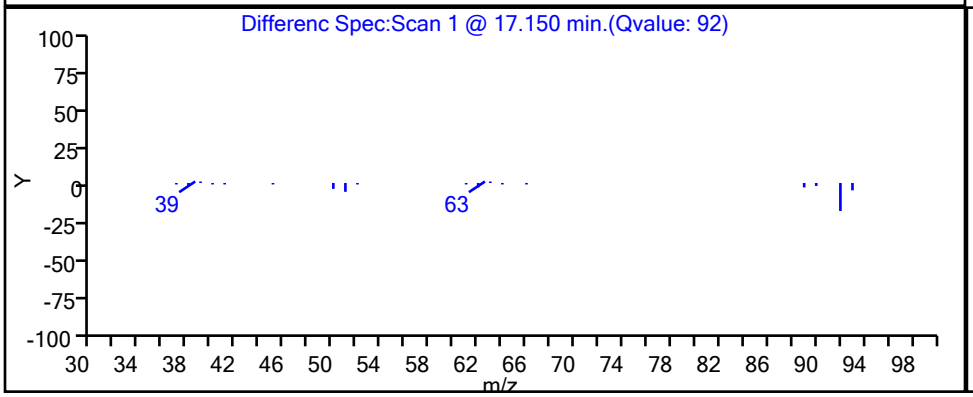


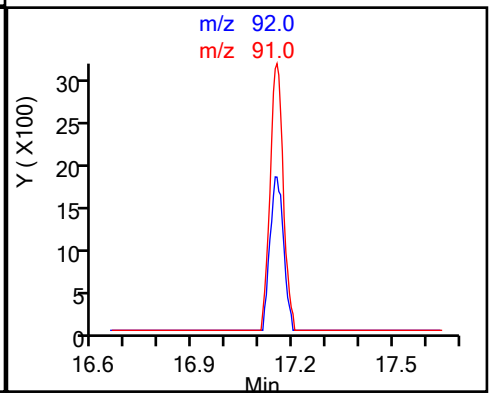












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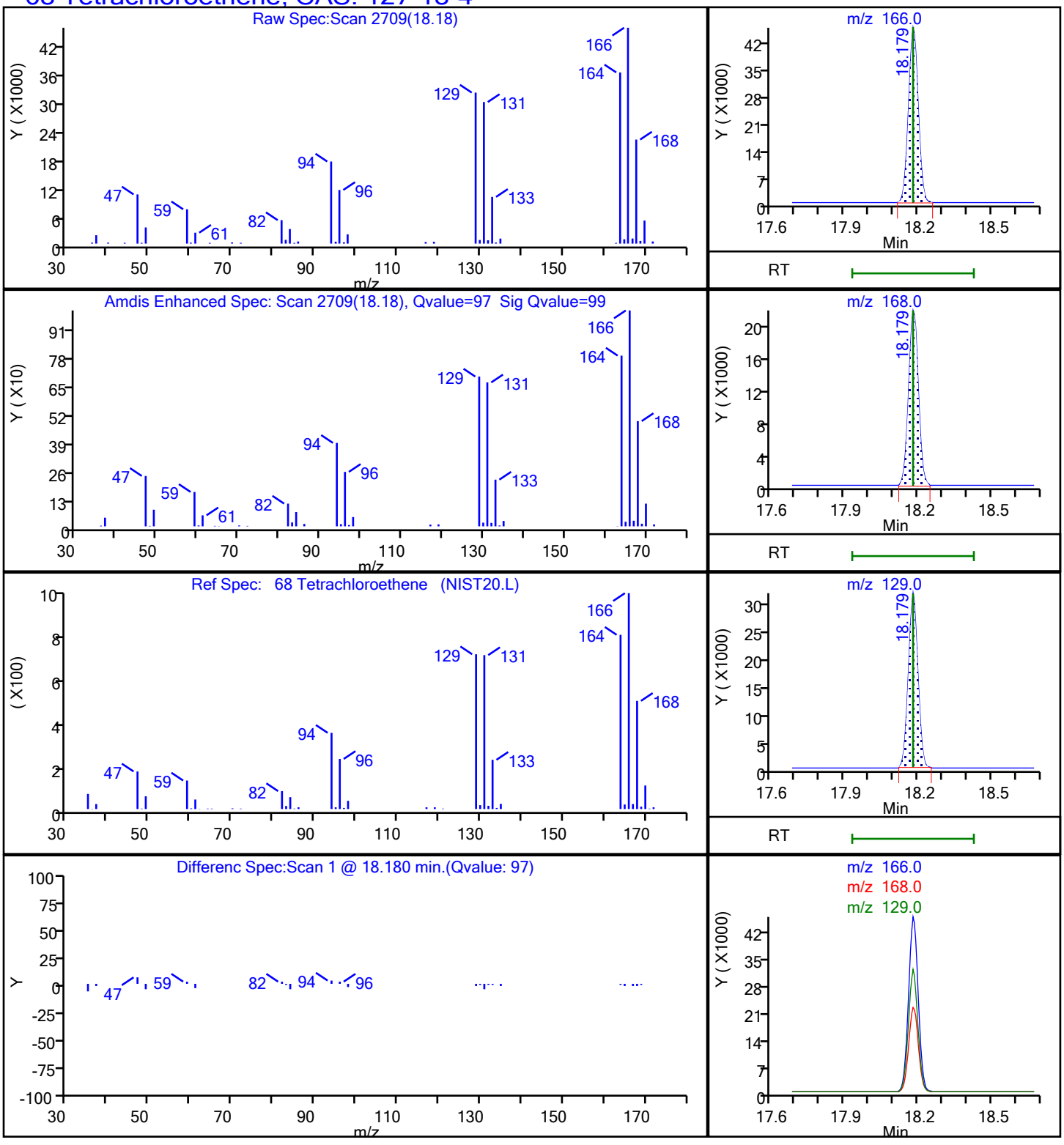
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4



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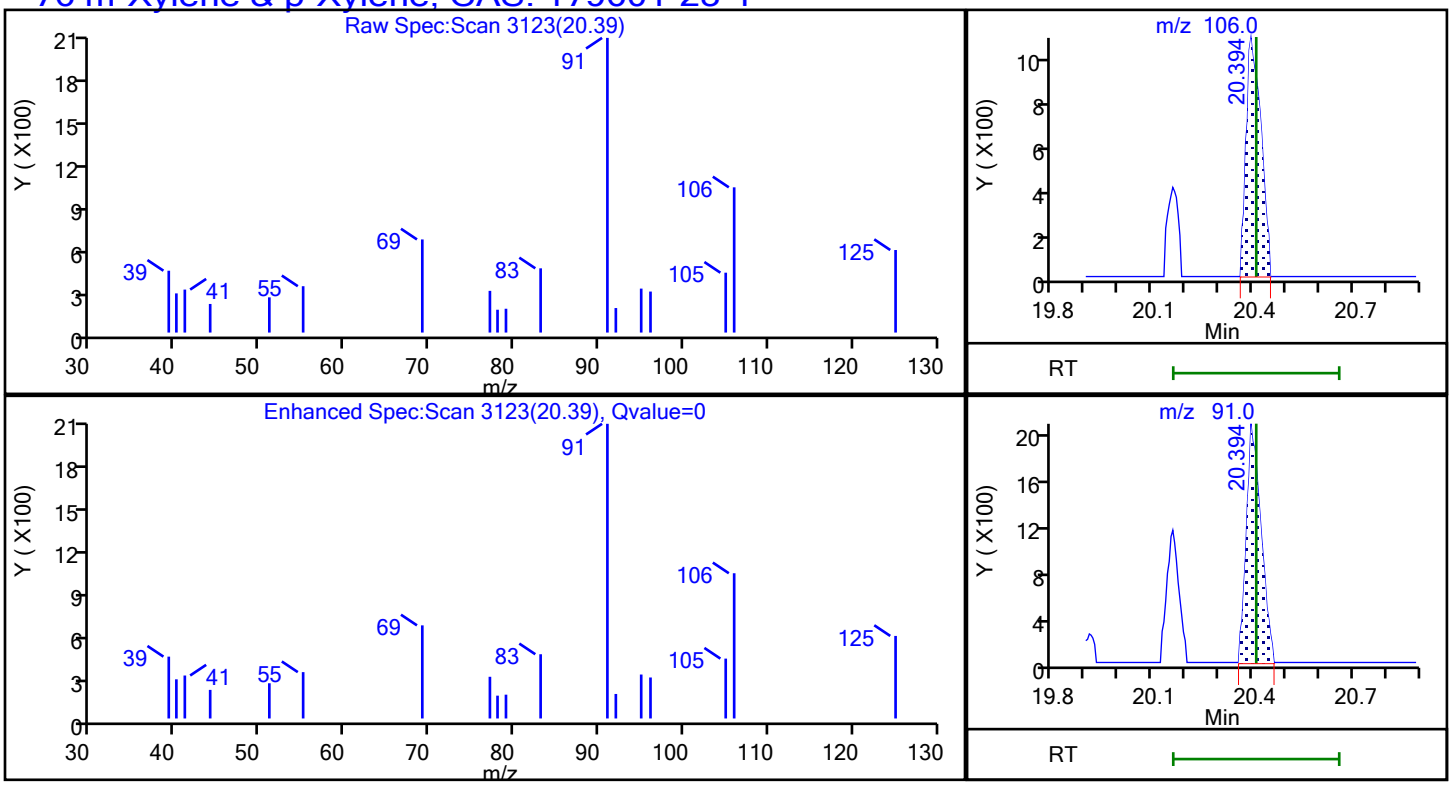
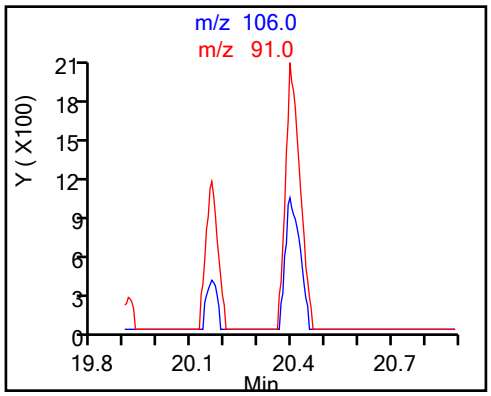
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 m-Xylene & p-Xylene, CAS: 179601-23-1





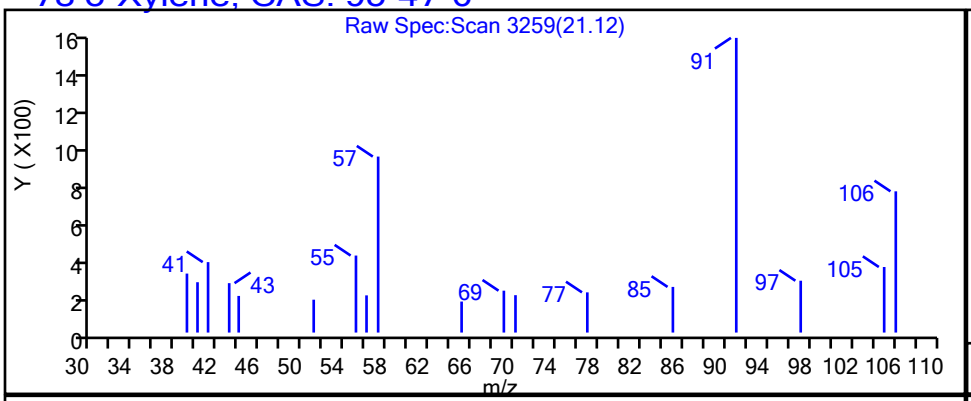
Report Date: 18-Sep-2024 14:26:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

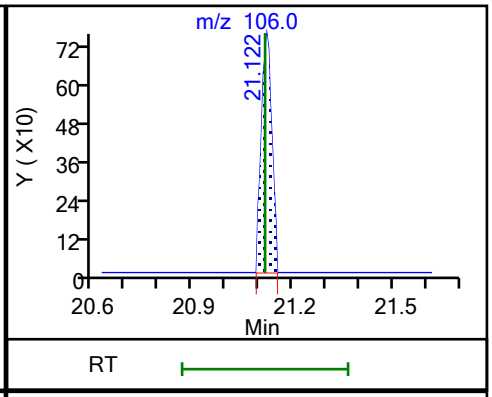
Eurofins Burlington

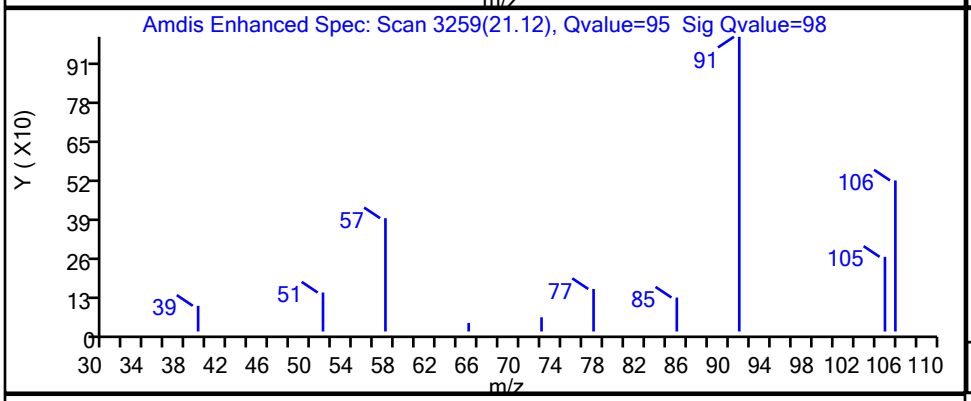
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

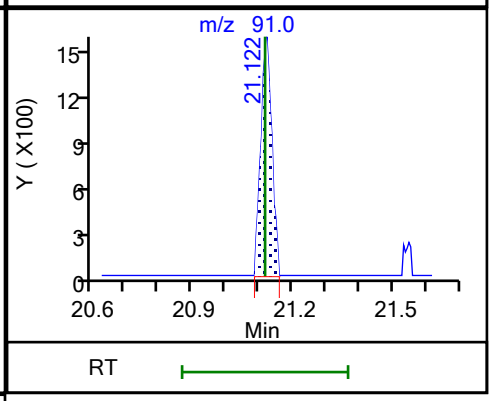
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

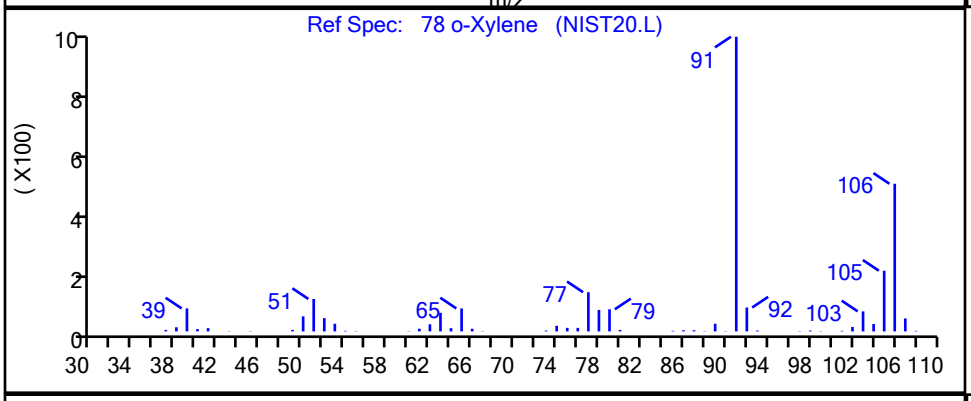
78 o-Xylene, CAS: 95-47-6

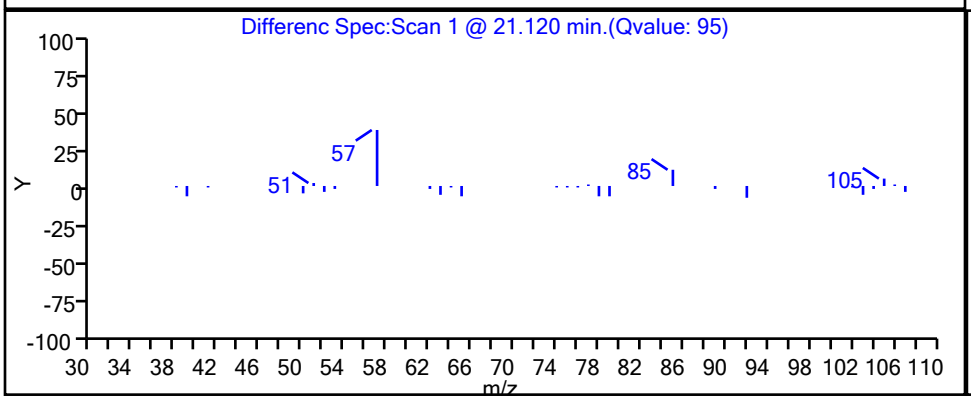


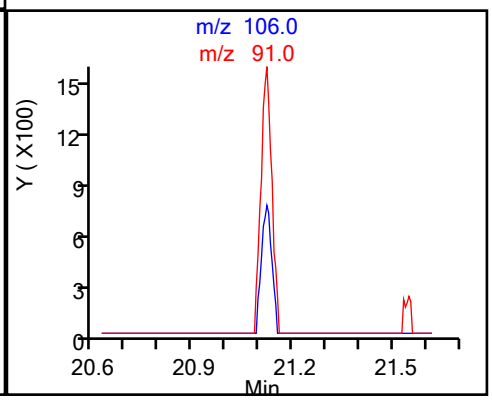












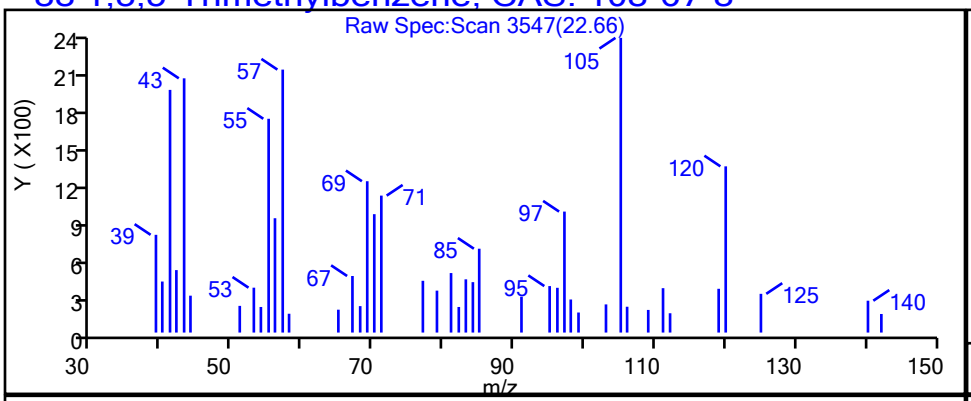
Report Date: 18-Sep-2024 14:26:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

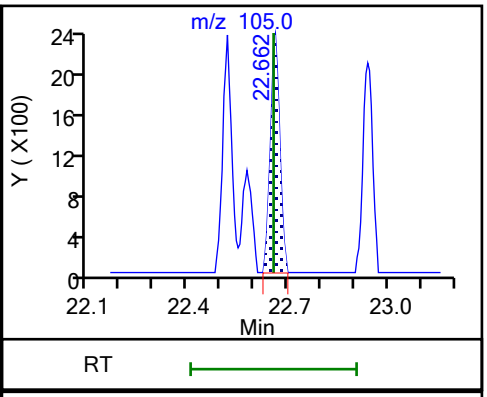
Eurofins Burlington

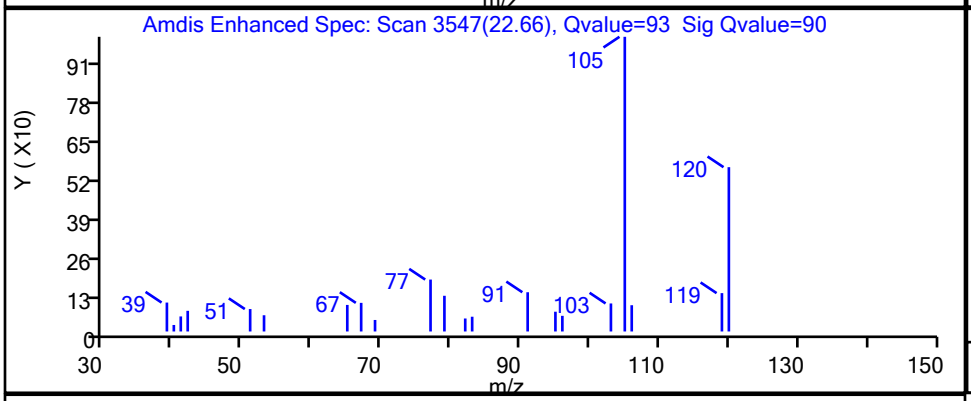
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

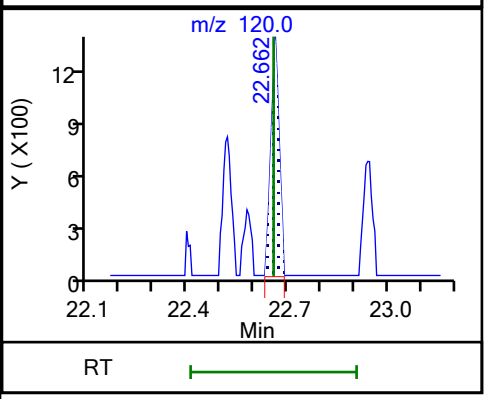
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

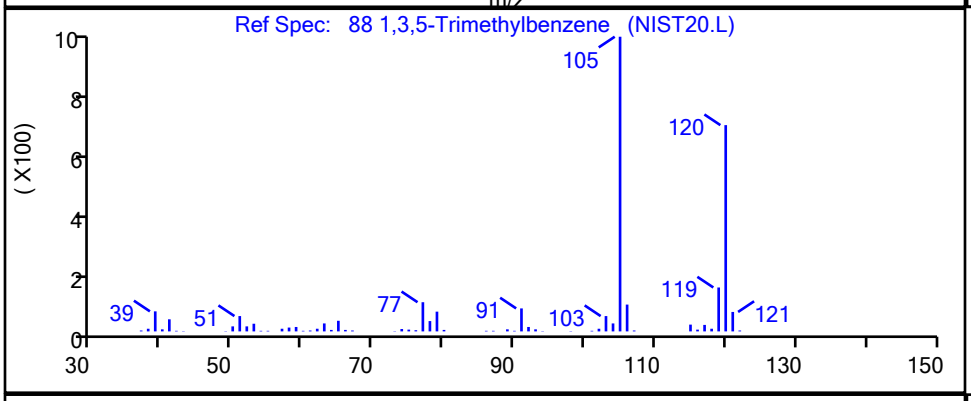
88 1,3,5-Trimethylbenzene, CAS: 108-67-8

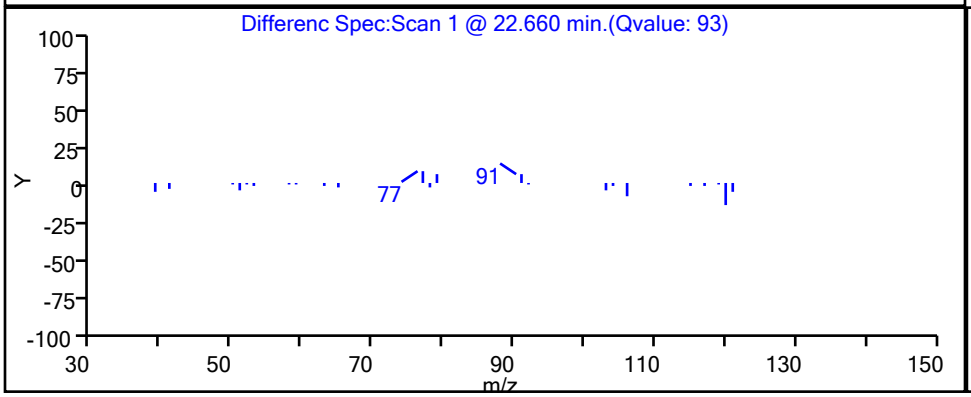


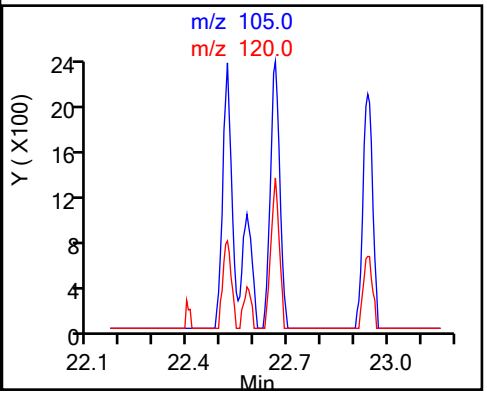












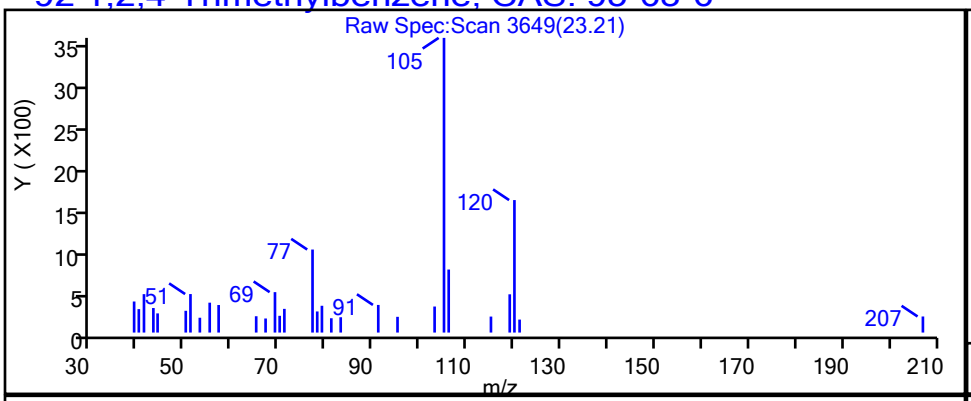
Report Date: 18-Sep-2024 14:26:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

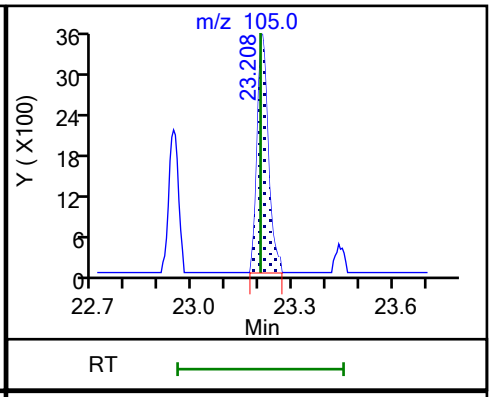
Eurofins Burlington

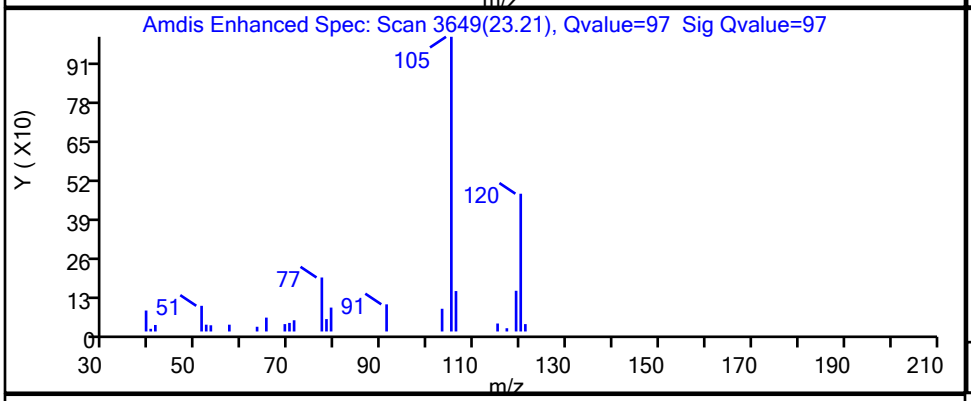
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

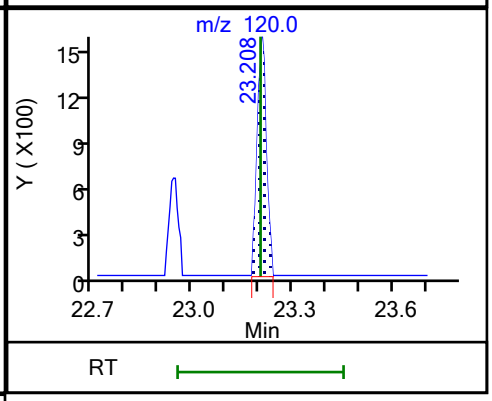
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

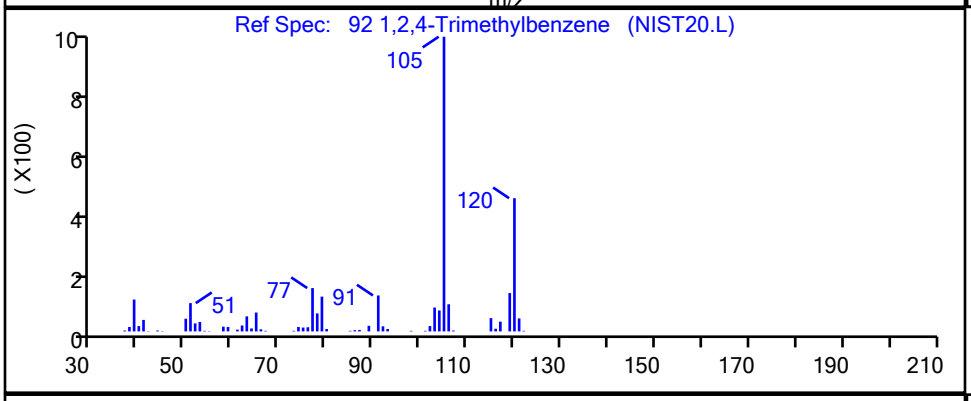
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

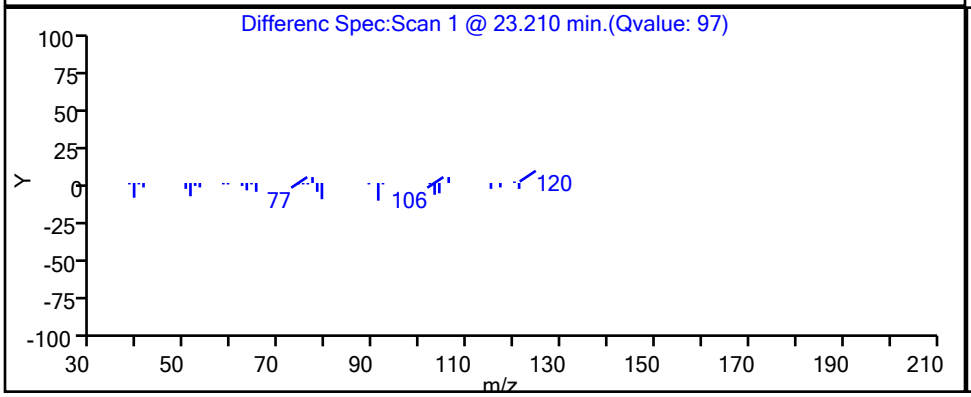


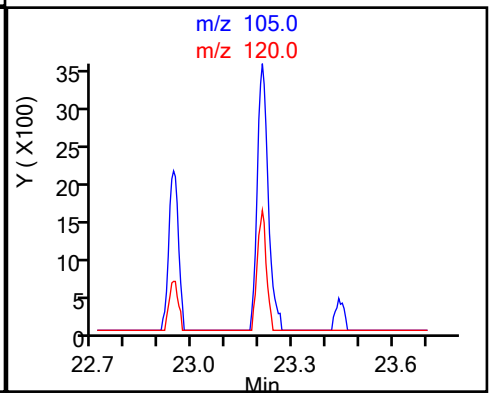












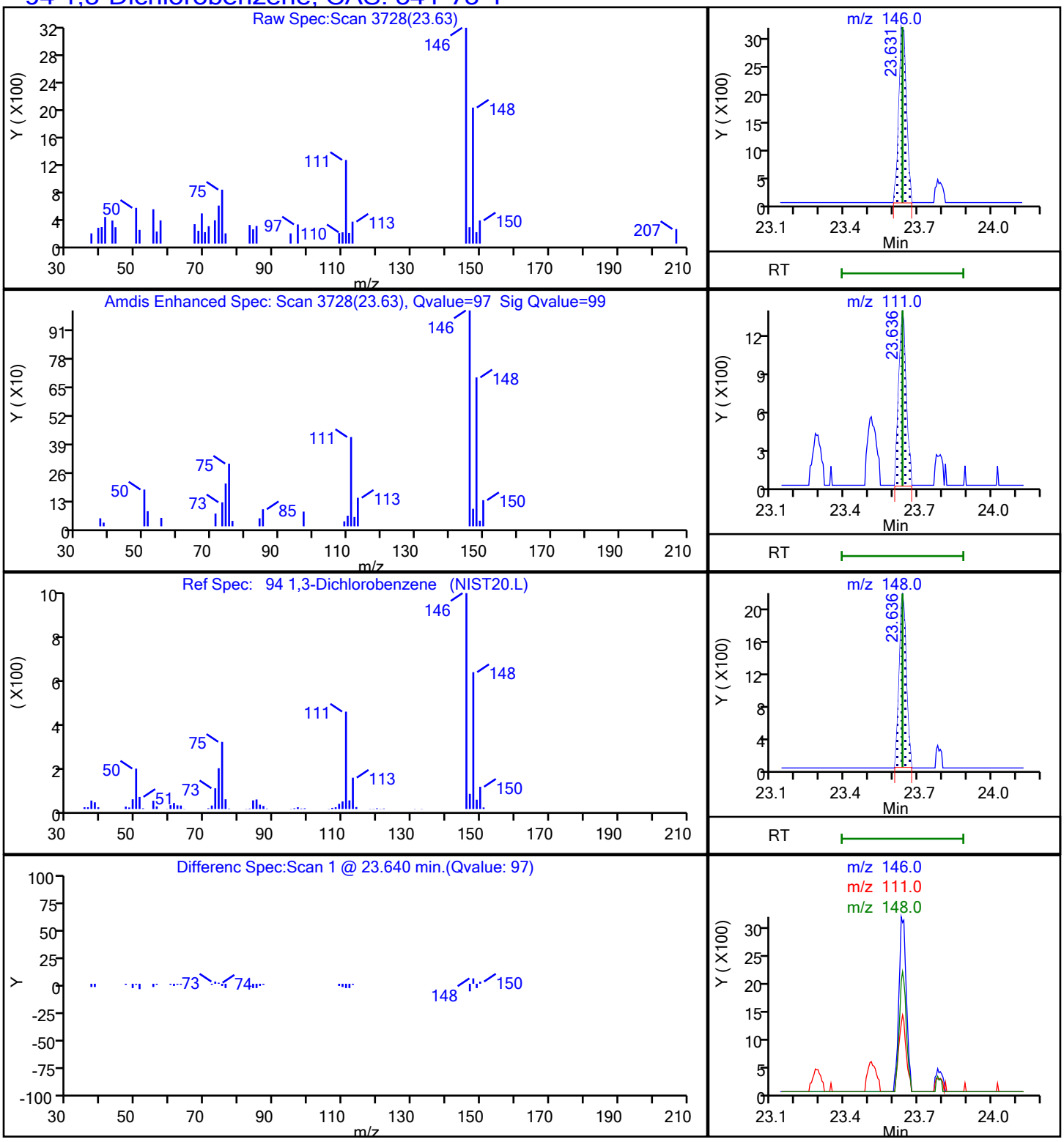
Report Date: 18-Sep-2024 14:26:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d

Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

94 1,3-Dichlorobenzene, CAS: 541-73-1



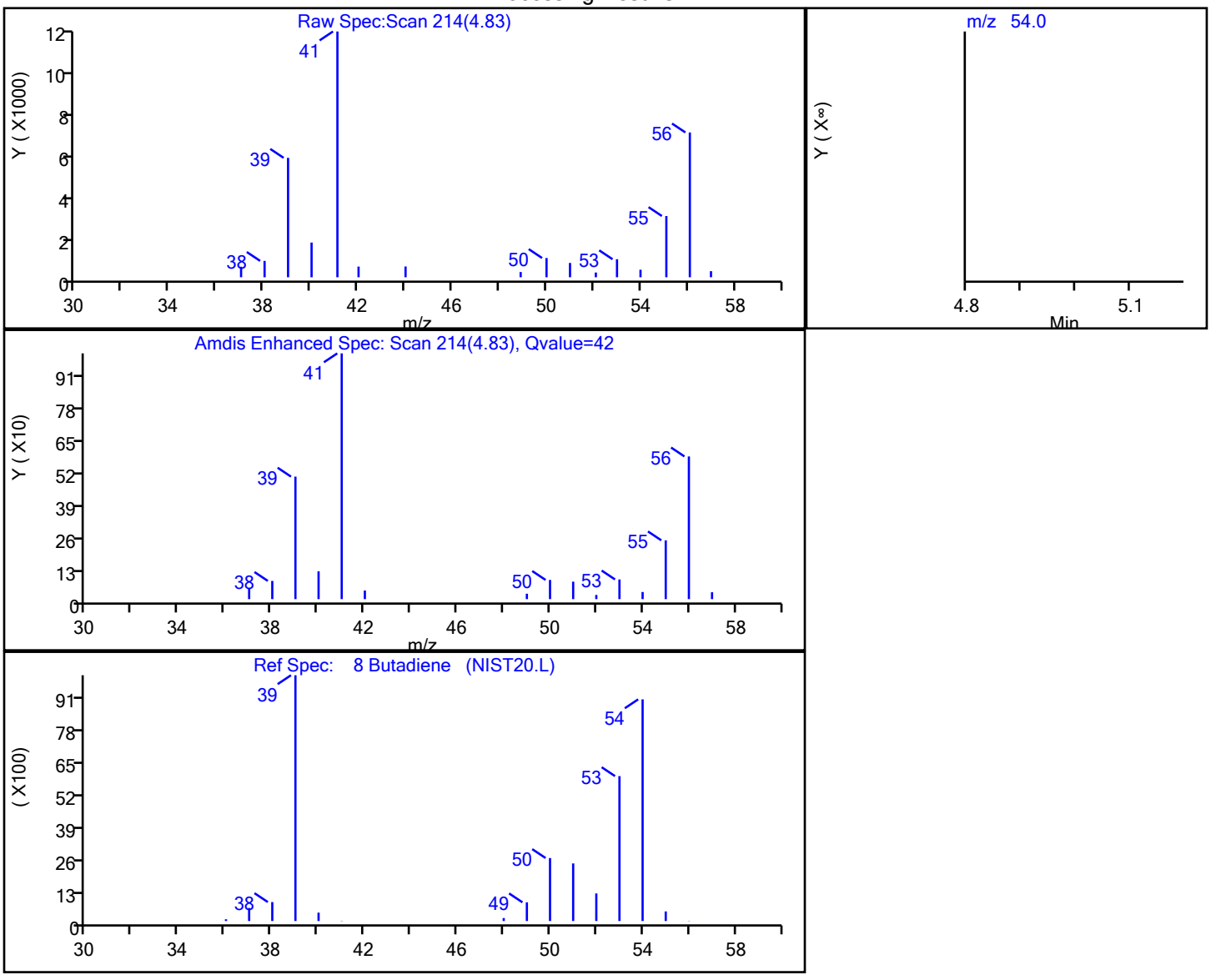
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
4.83	54.00	607	0.091746

Reviewer: YWL8, 18-Sep-2024 14:24:53 07:00:00 (UTC)

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

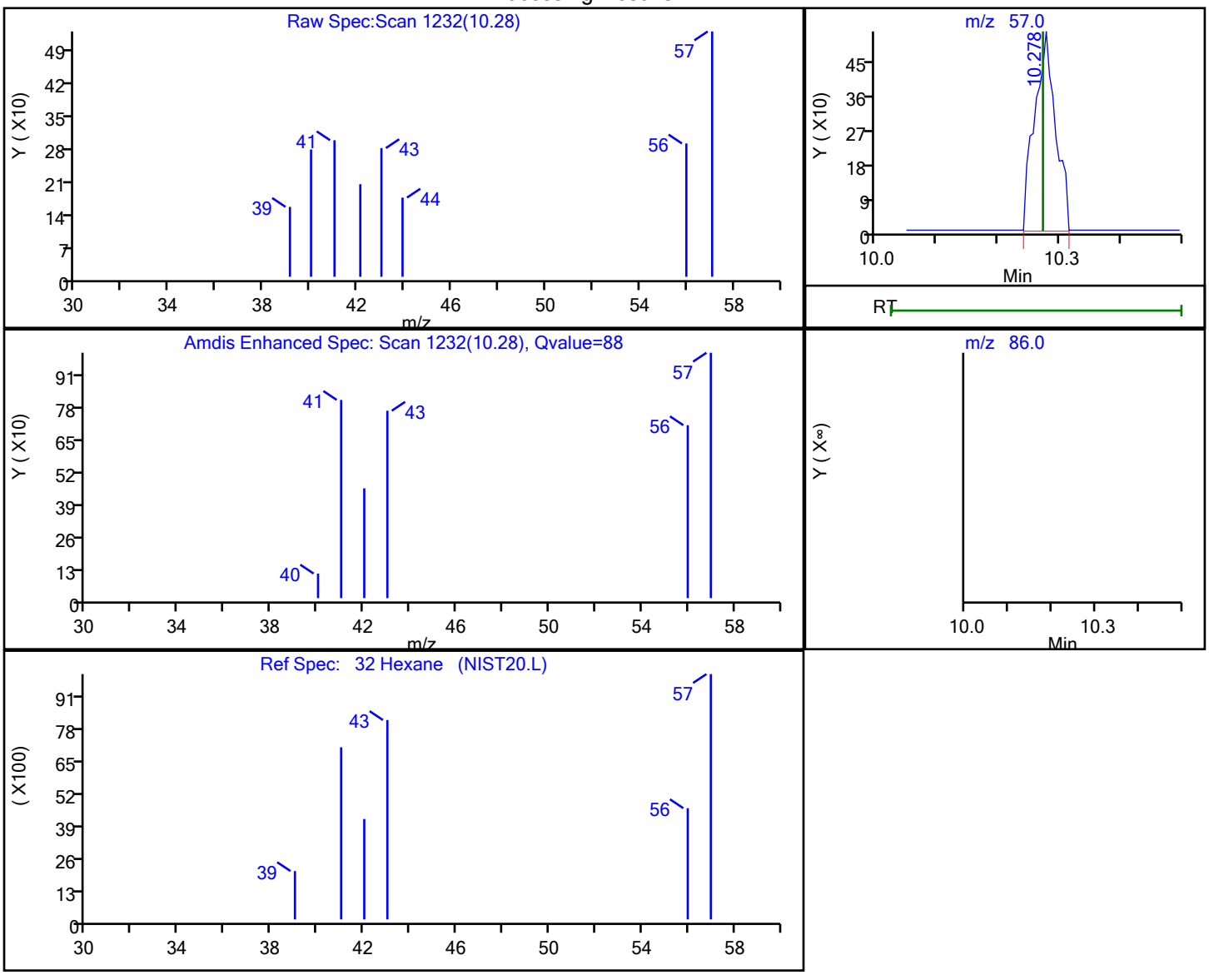
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
10.28	57.00	1260	0.100621
10.27	86.00	0	

Reviewer: YWL8, 18-Sep-2024 14:25:03 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

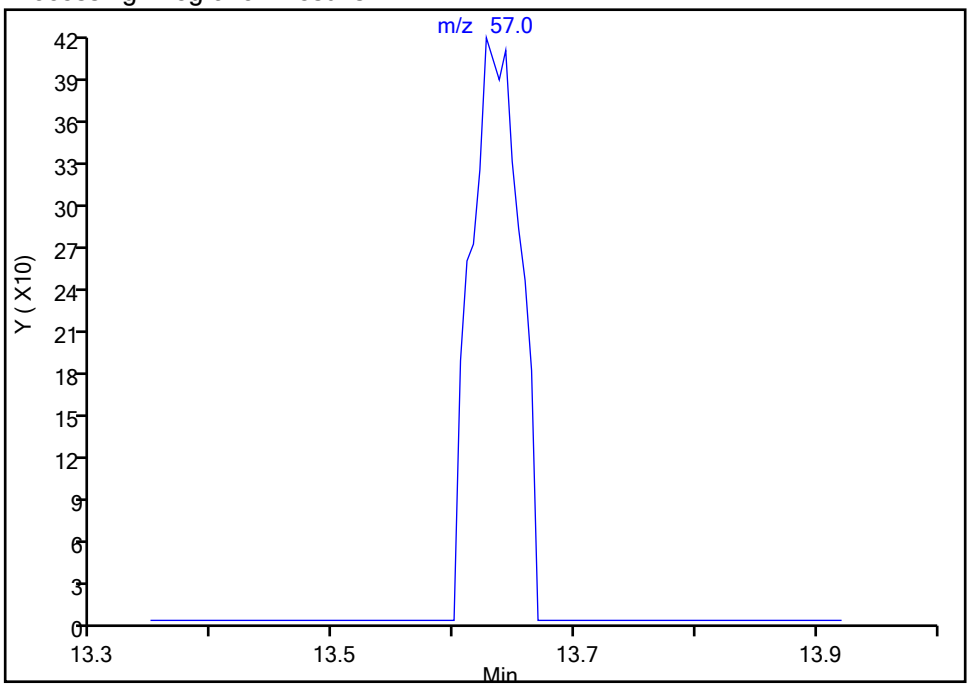
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1

Signal: 1

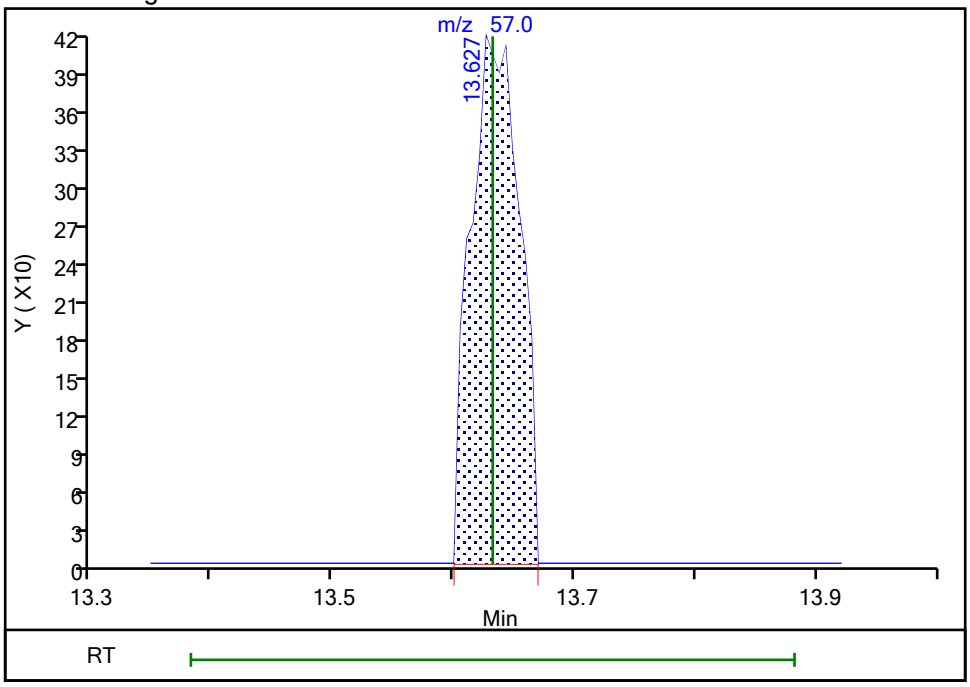
Not Detected
Expected RT: 13.63

Processing Integration Results



Manual Integration Results

RT: 13.63
Area: 1176
Amount: 0.029108
Amount Units: ppb v/v



Reviewer: YWL8, 18-Sep-2024 14:25:30 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

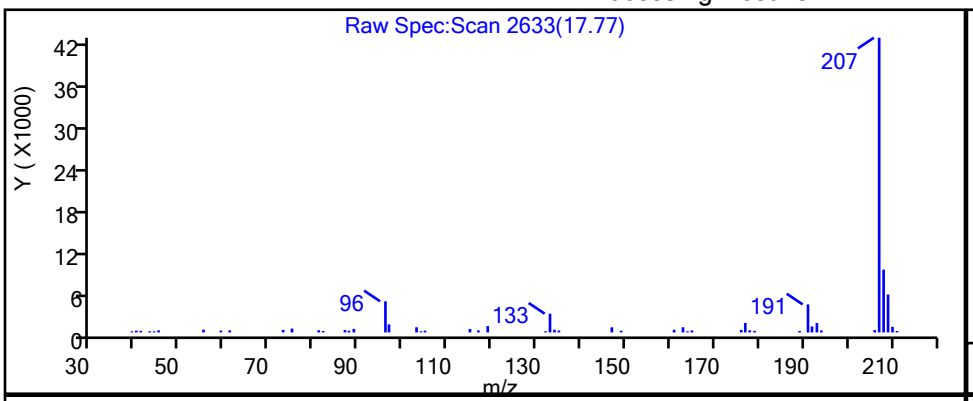
User Disabled Compound Report

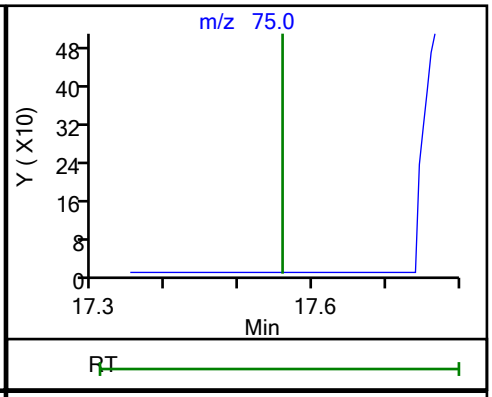
Eurofins Burlington

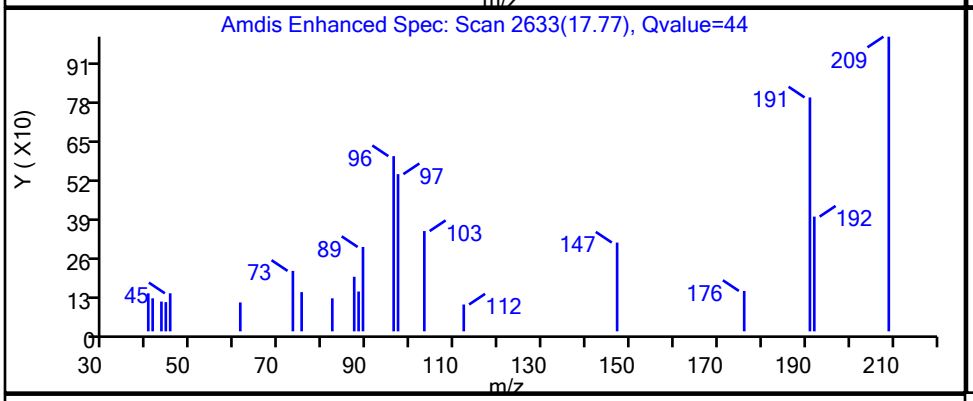
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

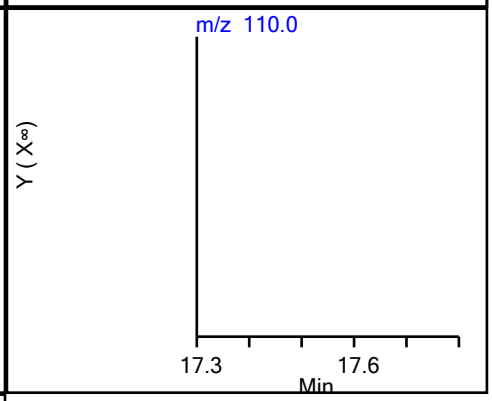
66 trans-1,3-Dichloropropene, CAS: 10061-02-6

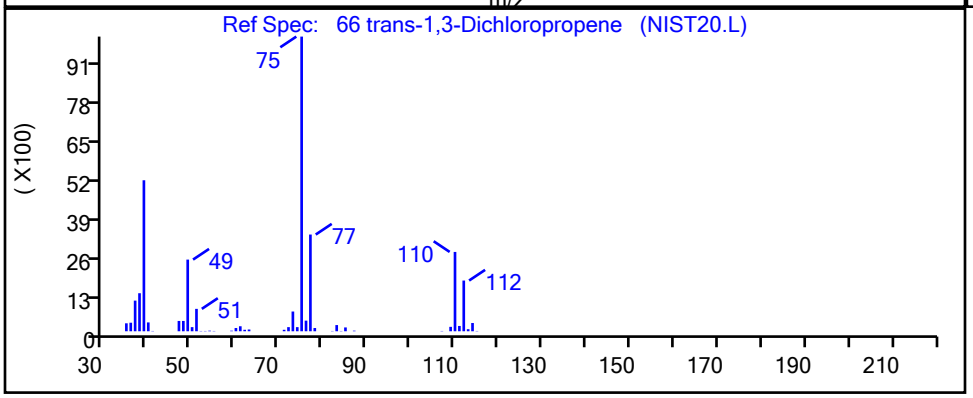
Processing Results











RT	Mass	Response	Amount
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17.56	110.00	0	

Reviewer: YWL8, 18-Sep-2024 14:25:40 07:00:00 (UTC)

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

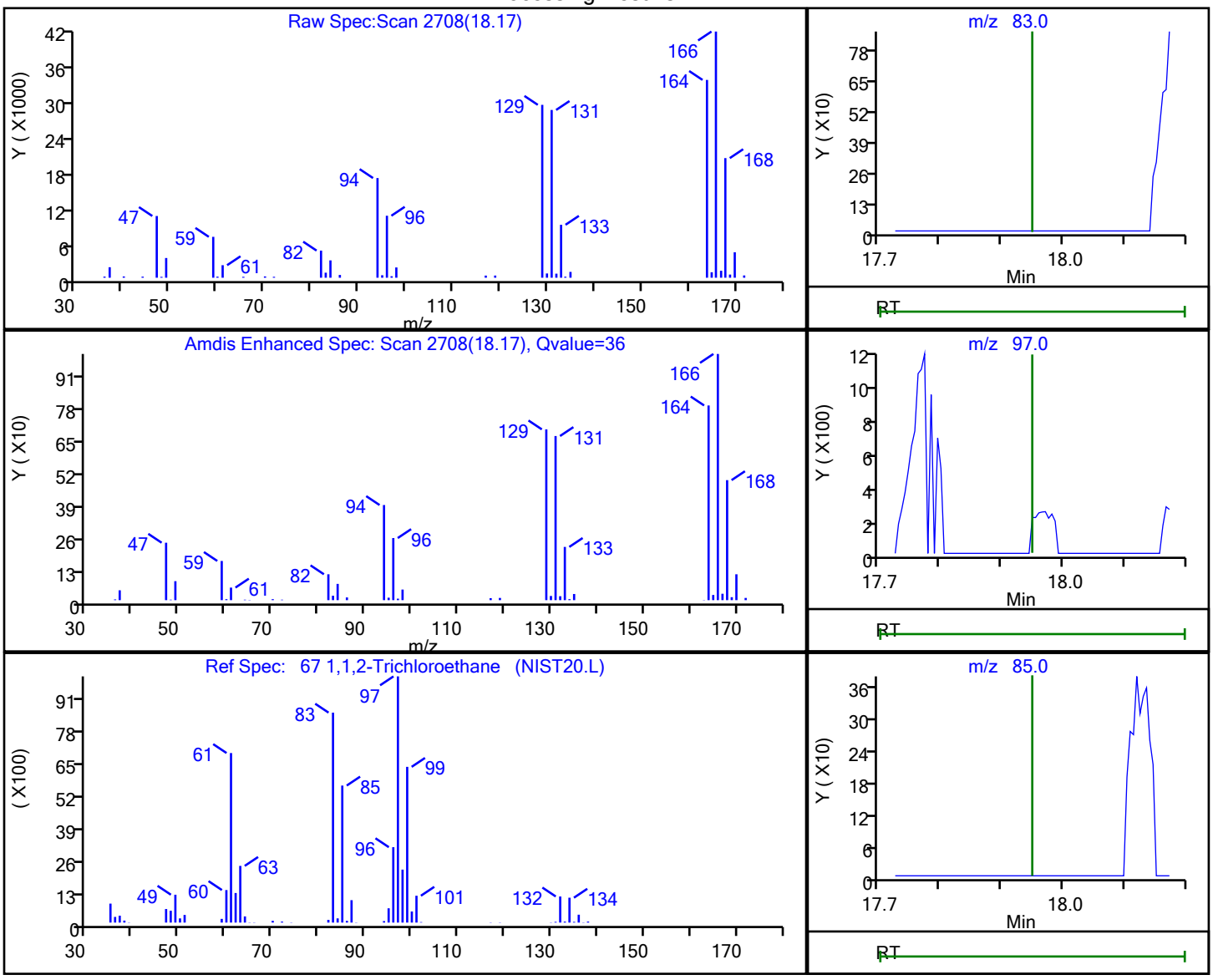
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
18.17	83.00	2078	0.228154
18.18	97.00	512	
17.95	85.00	0	

Reviewer: YWL8, 18-Sep-2024 14:25:43 07:00:00 (UTC)

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

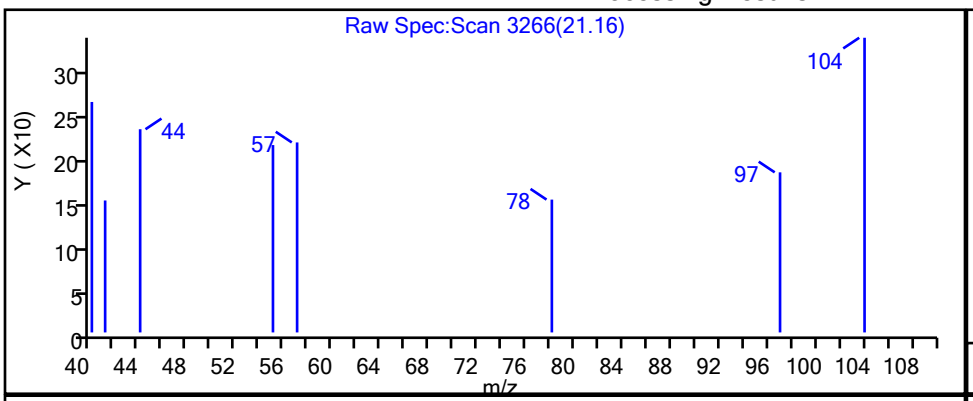
User Disabled Compound Report

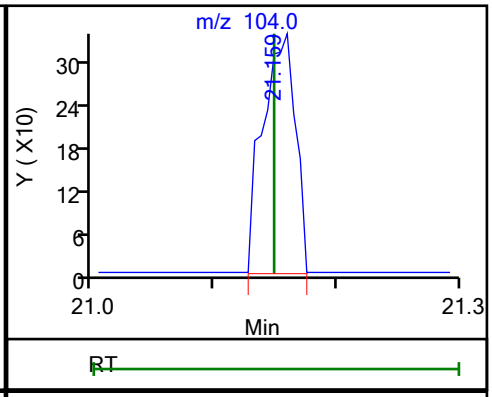
Eurofins Burlington

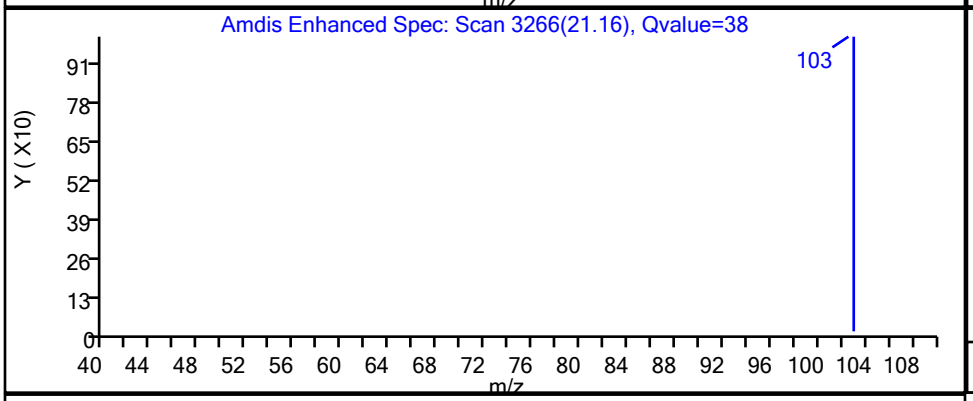
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

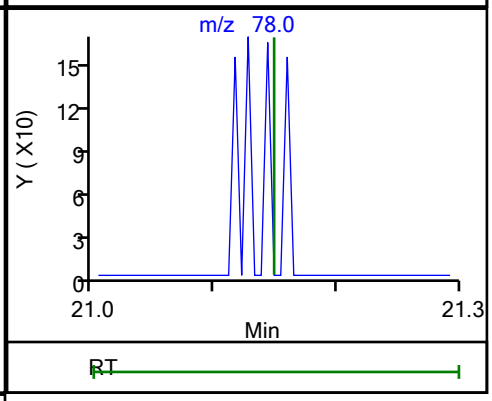
79 Styrene, CAS: 100-42-5

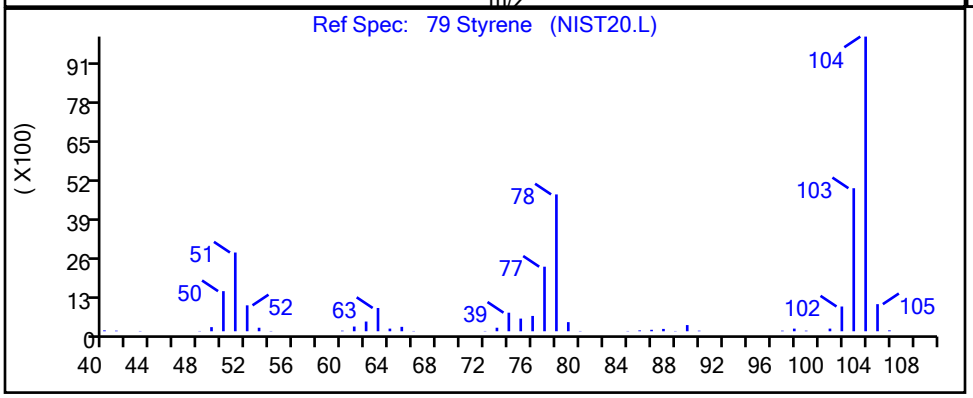
Processing Results











RT	Mass	Response	Amount
21.16	104.00	622	0.022658
21.15	78.00	0	

Reviewer: YWL8, 18-Sep-2024 14:25:52 07:00:00 (UTC)

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

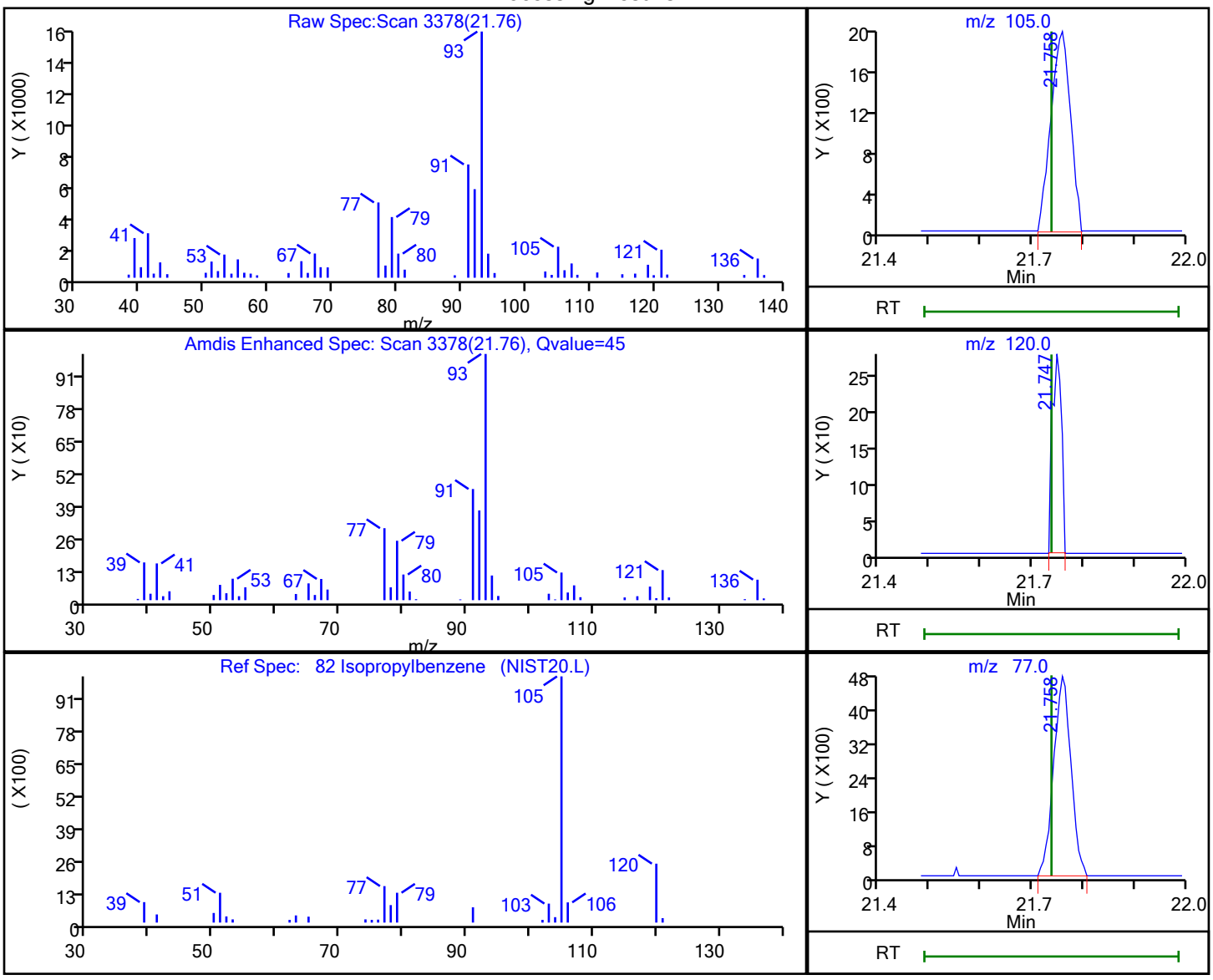
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
21.76	105.00	5244	0.102107
21.75	120.00	349	
21.76	77.00	11313	

Reviewer: YWL8, 18-Sep-2024 14:25:56 07:00:00 (UTC)

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

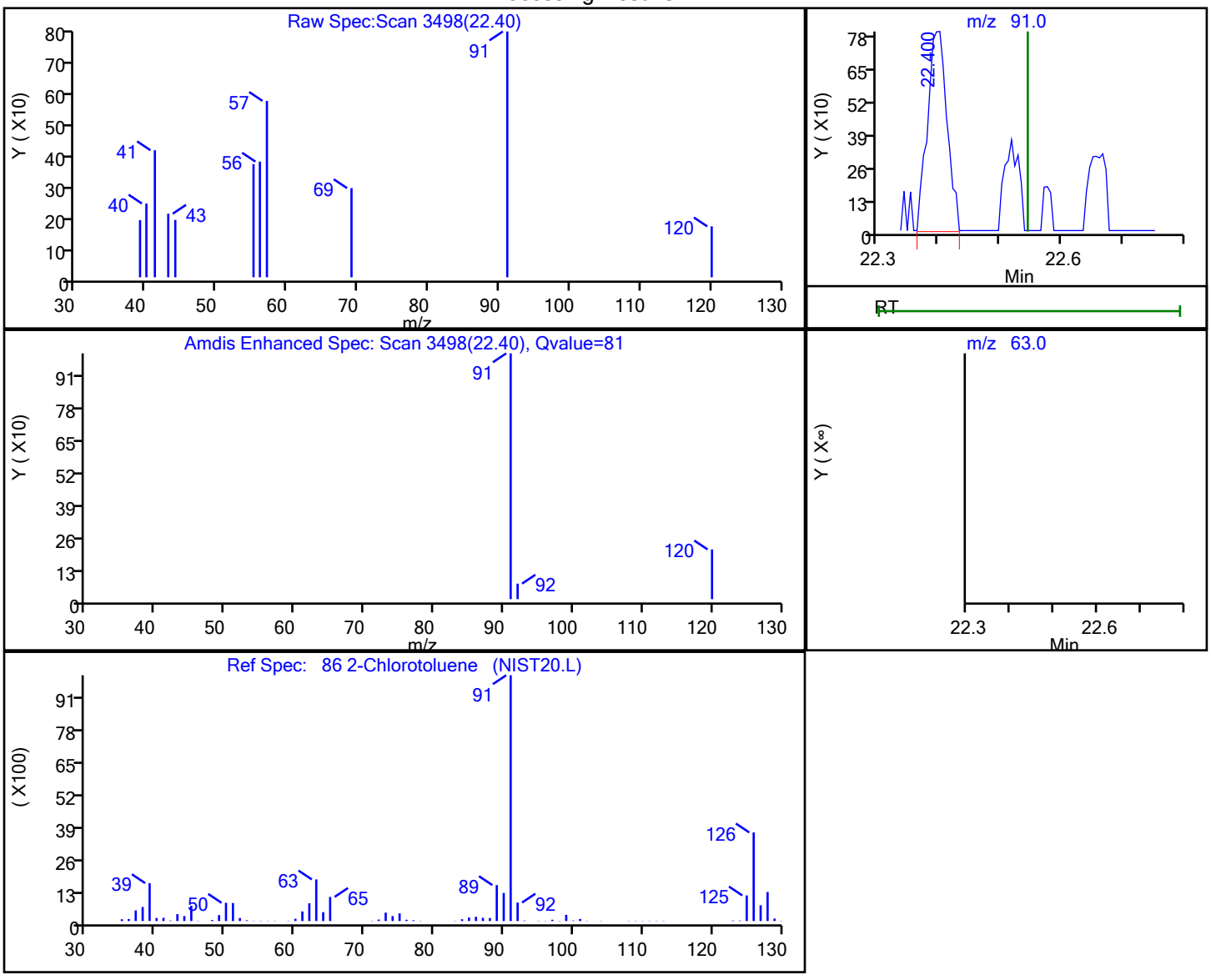
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

86 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
22.40	91.00	1774	0.042778
22.54	63.00	0	

Reviewer: YWL8, 18-Sep-2024 14:26:00 07:00:00 (UTC)

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

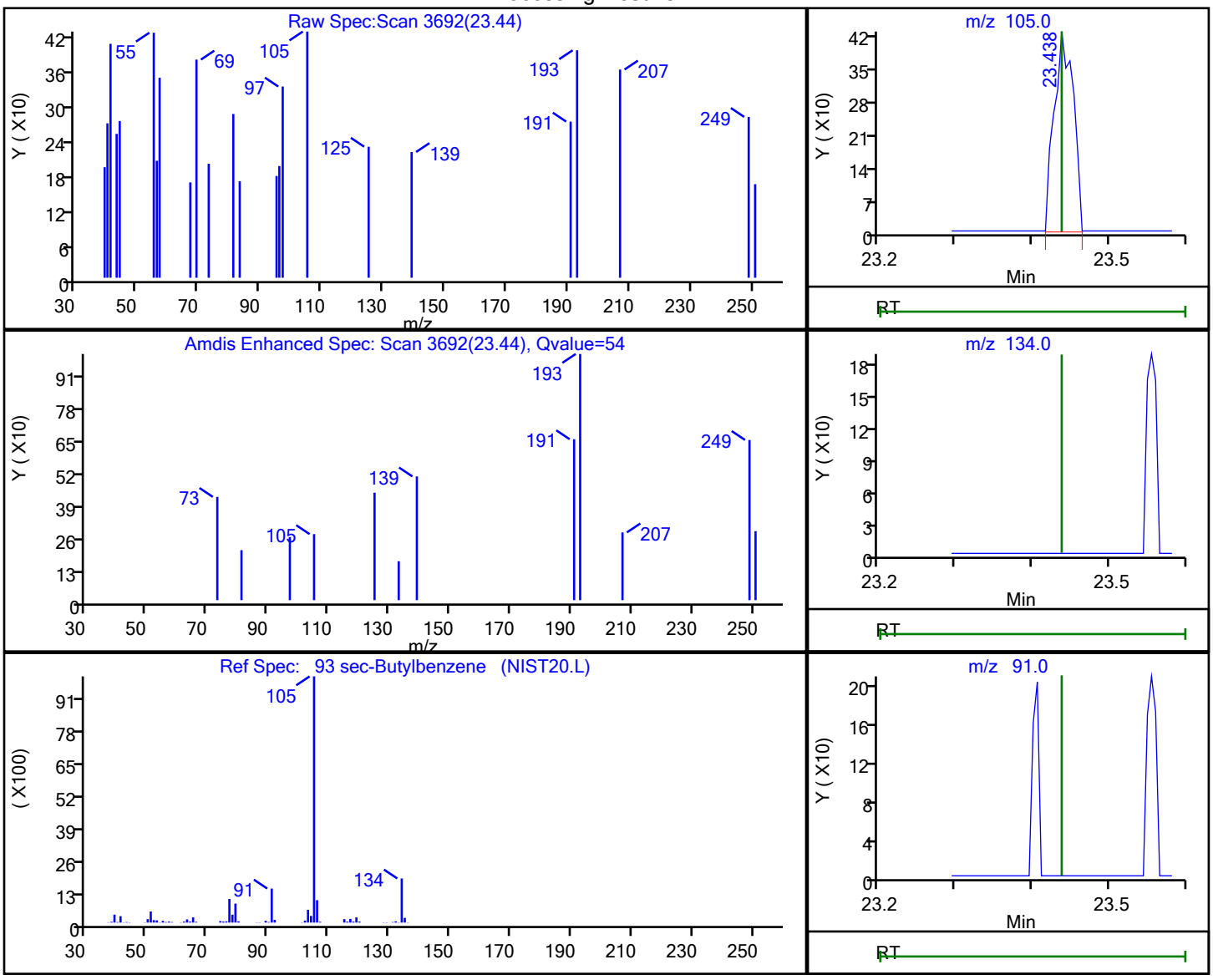
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
23.44	105.00	734	0.011590
23.44	134.00	0	
23.44	91.00	0	

Reviewer: YWL8, 18-Sep-2024 14:26:07 07:00:00 (UTC)

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

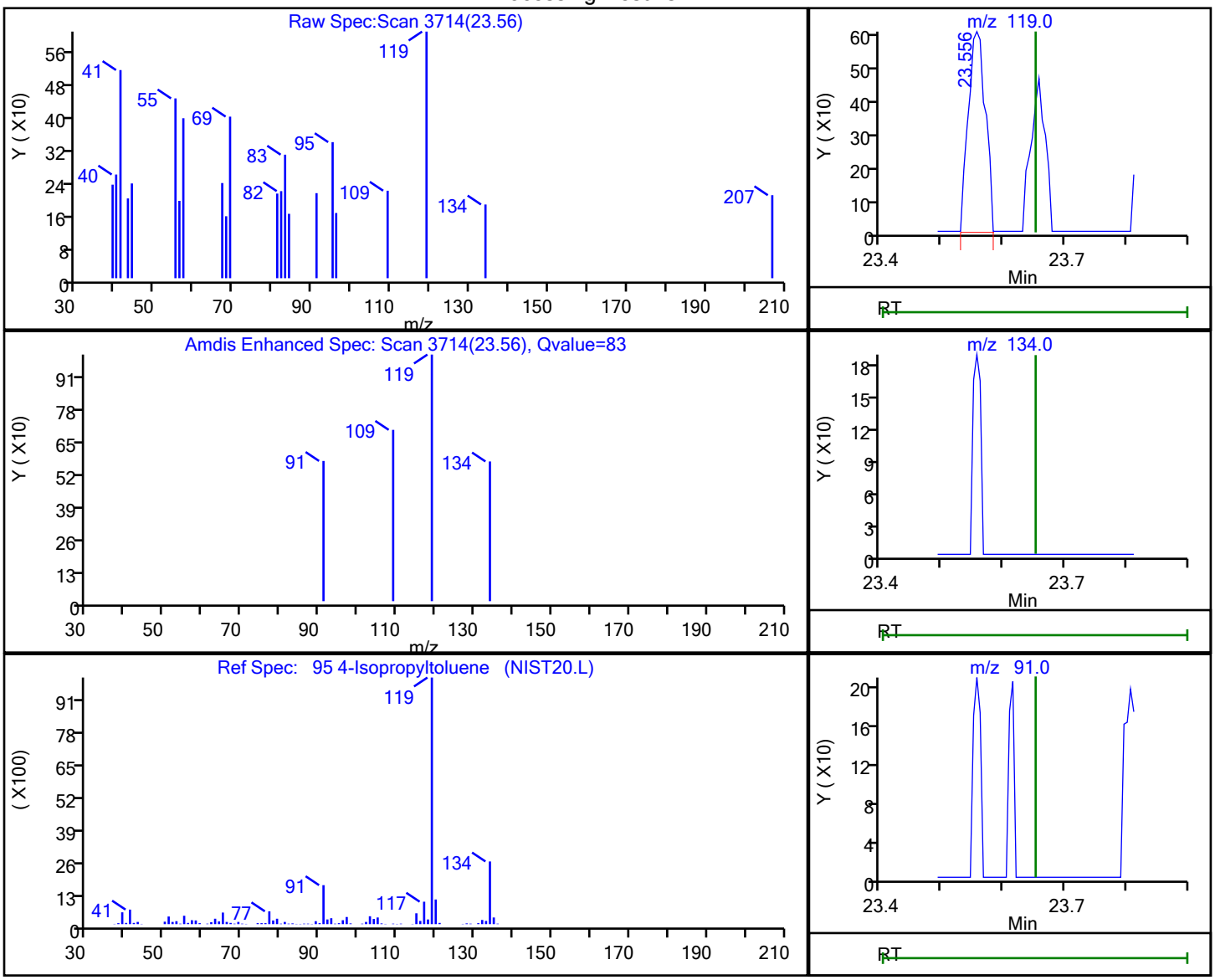
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-16.d				
Injection Date:	17-Sep-2024 21:14:30	Instrument ID:	CHW.i		
Lims ID:	200-75119-A-10	Lab Sample ID:	200-75119-10		
Client ID:	DUP_09132024				
Operator ID:	vtp	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

95 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
23.56	119.00	1182	0.021162
23.65	134.00	0	
23.65	91.00	0	

Reviewer: YWL8, 18-Sep-2024 14:26:10 07:00:00 (UTC)

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

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-205411/4	60827_004.D
Level 2	IC 200-205411/5	60827_005.D
Level 3	IC 200-205411/6	60827_006.D
Level 4	IC 200-205411/7	60827_007.D
Level 5	ICIS 200-205411/8	60827_008.D
Level 6	IC 200-205411/9	60827_009.D
Level 7	IC 200-205411/12	60827_012.D
Level 8	IC 200-205411/13	60827_013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 1.0260	+++++ 0.9585	+++++ 1.0050	0.9635	0.9785	Ave		0.9863				2.9		30.0			
Dichlorodifluoromethane	+++++ 4.3084	+++++ 4.1170	4.9324 4.0922	4.1475	4.1895	Ave		4.2978				7.4		30.0			
Chlorodifluoromethane	+++++ 2.2781	+++++ 2.1725	2.6174 2.2116	2.2185	2.2189	Ave		2.2862				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 4.3873	4.8925 4.2022	4.9987 4.2010	4.2276	4.2580	Ave		4.4525				7.7		30.0			
Chloromethane	+++++ 1.2451	+++++ 1.1796	1.4385 1.2166	1.2040	1.2017	Ave		1.2476				7.7		30.0			
n-Butane	+++++ 1.9720	+++++ 1.9489	2.4663 1.8179	2.0423	1.9786	Ave		2.0377				10.9		30.0			
Vinyl chloride	2.0479 1.4283	1.8339 1.4012	1.7731 1.3165	1.4778	1.4265	Ave		1.5881				16.5		30.0			
1,3-Butadiene	1.7604 1.0738	1.3818 1.0656	1.3449 0.9927	1.0906	1.0751	Ave		1.2231				21.1		30.0			
Bromomethane	+++++ 1.6134	1.8698 1.5443	1.8354 1.5565	1.5659	1.5660	Ave		1.6502				8.5		30.0			
Chloroethane	+++++ 0.8613	+++++ 0.8232	0.9801 0.8401	0.8322	0.8363	Ave		0.8622				6.9		30.0			
Isopentane	+++++ 1.7358	2.0121 1.6544	2.0060 1.6773	1.6696	1.6863	Ave		1.7773				9.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.6302	1.8529 1.5717	1.8744 1.5673	1.5879	1.5838	Ave		1.6669				8.2		30.0			
Trichlorofluoromethane	+++++ 4.4702	5.1298 4.3342	5.2433 4.2205	4.4181	4.3705	Ave		4.5981				8.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	+++++ 2.6962	+++++ 2.5955	3.1443 2.5720	2.6561	2.6308	Ave		2.7158				7.9		30.0			
Ethanol	+++++ 0.6159	+++++ 0.5885	0.6272 0.6048	0.5893	0.5889	Ave		0.6024				2.7		30.0			
Ethyl ether	+++++ 1.1857	1.2696 1.1421	1.2978 1.1336	1.1412	1.1497	Ave		1.1885				5.7		30.0			
Acrolein	+++++ 0.7363	+++++ 0.7148	+++++ 0.7057	0.7073	0.7139	Ave		0.7156				1.7		30.0			
1,1-Dichloroethene	2.0609 1.7457	2.0759 1.6895	2.0227 1.6406	1.7030	1.7099	Ave		1.8310				10.2		30.0			
1,1,2-Trichlorotrifluoroethane	+++++ 3.7237	4.4501 3.5950	4.4048 3.4445	3.6768	3.6718	Ave		3.8524				10.5		30.0			
Acetone	+++++ 2.3838	+++++ 2.3472	+++++ 2.2612	2.4163	2.3534	Ave		2.3524				2.5		30.0			
Isopropyl alcohol	+++++ 2.7657	+++++ 2.7714	+++++ 2.5299	2.7321	2.7266	Ave		2.7051				3.7		30.0			
Carbon disulfide	+++++ 4.9904	+++++ 4.8356	5.8371 4.5890	4.9712	4.9235	Ave		5.0245				8.4		30.0			
Acetonitrile	+++++ 1.2138	+++++ 1.1762	+++++ 1.1520	1.1965	1.1905	Ave		1.1858				2.0		30.0			
3-Chloropropene	+++++ 2.0679	2.4870 2.0196	2.5010 1.9404	2.0793	2.0505	Ave		2.1637				10.6		30.0			
Methylene Chloride	+++++ 1.8781	+++++ 1.8272	2.2927 1.7524	1.9020	1.8685	Ave		1.9201				9.9		30.0			
tert-Butyl alcohol	+++++ 3.2037	+++++ 3.0496	+++++ 2.9753	3.1490	3.1141	Ave		3.0983				2.9		30.0			
Acrylonitrile	+++++ 1.2160	+++++ 1.1883	1.3926 1.1522	1.2204	1.2021	Ave		1.2286				6.8		30.0			
trans-1,2-Dichloroethene	2.9683 2.4441	2.8994 2.3689	2.8964 2.2228	2.4937	2.4373	Ave		2.5914				11.0		30.0			
Methyl tert-butyl ether	+++++ 4.7584	5.1010 4.6100	5.1999 4.3656	4.7293	4.6938	Ave		4.7797				6.0		30.0			
n-Hexane	+++++ 2.6021	3.1412 2.5326	3.0839 2.4086	2.6381	2.5859	Ave		2.7132				10.4		30.0			
1,1-Dichloroethane	3.8302 3.0854	3.7463 2.9861	3.6994 2.7999	3.1518	3.0792	Ave		3.2973				12.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Vinyl acetate	+++++ 4.0787	+++++ 4.0147	+++++ 3.8416	3.8550	3.9720	Ave		3.9524				2.6		30.0			
Methyl Ethyl Ketone (2-Butanone)	+++++ 0.8891	+++++ 0.8610	0.9889 0.8325	0.8780	0.8728	Ave		0.8871				6.0		30.0			
cis-1,2-Dichloroethene	2.3249 1.8978	2.2837 1.8340	2.2660 1.7609	1.8897	1.8683	Ave		2.0157				11.6		30.0			
Ethyl acetate	+++++ 0.1589	+++++ 0.1535	+++++ 0.1500	0.1557	0.1553	Ave		0.1547				2.1		30.0			
Tetrahydrofuran	+++++ 0.3797	+++++ 0.3697	+++++ 0.3550	0.3829	0.3780	Ave		0.3731				3.0		30.0			
Chloroform	+++++ 3.7145	4.4778 3.6055	4.3760 3.4521	3.7424	3.6928	Ave		3.8659				10.2		30.0			
1,1,1-Trichloroethane	+++++ 0.7646	0.8856 0.7428	0.9060 0.7173	0.7612	0.7578	Ave		0.7908				9.3		30.0			
Cyclohexane	+++++ 0.4795	0.5359 0.4659	0.5544 0.4535	0.4788	0.4748	Ave		0.4918				7.7		30.0			
Carbon tetrachloride	0.8349 0.7945	0.8989 0.7724	0.8992 0.7490	0.7839	0.7814	Ave		0.8143				7.1		30.0			
Benzene	+++++ 1.1096	1.3244 1.0729	1.3276 1.0220	1.1196	1.1087	Ave		1.1550				10.5		30.0			
1,2-Dichloroethane	+++++ 0.4914	0.5783 0.4771	0.5861 0.4608	0.4935	0.4896	Ave		0.5110				9.8		30.0			
2,2,4-Trimethylpentane	+++++ 1.7294	2.0477 1.6666	2.0628 1.5639	1.7591	1.7294	Ave		1.7941				10.6		30.0			
n-Heptane	+++++ 0.6243	0.7488 0.6037	0.7467 0.5748	0.6338	0.6219	Ave		0.6506				10.6		30.0			
n-Butanol	+++++ 0.2467	+++++ 0.2340	+++++ 0.2274	0.2393	0.2405	Ave		0.2376				3.1		30.0			
Trichloroethene	0.6279 0.5093	0.5944 0.4939	0.5985 0.4743	0.5096	0.5036	Ave		0.5390				10.8		30.0			
1,2-Dichloropropane	+++++ 0.4196	0.4967 0.4065	0.4932 0.3900	0.4238	0.4176	Ave		0.4354				9.7		30.0			
Methyl methacrylate	+++++ 0.4089	+++++ 0.3967	0.4163 0.3827	0.4011	0.4051	Ave		0.4018				2.9		30.0			
1,4-Dioxane	+++++ 0.2209	0.2316 0.2060	0.2415 0.1948	0.2258	0.2220	Ave		0.2204				7.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	+++++ 0.4483	0.5436 0.4323	0.5249 0.4160	0.4463	0.4459	Ave		0.4653				10.5		30.0			
Bromodichloromethane	+++++ 0.8342	0.9435 0.8104	0.9610 0.7769	0.8377	0.8295	Ave		0.8562				8.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.7291	0.7743 0.7110	0.7861 0.6898	0.7134	0.7196	Ave		0.7319				4.8		30.0			
4-Methyl-2-pentanone (Methyl isobutyl ketone)	+++++ 0.7960	+++++ 0.7791	0.8631 0.7485	0.7898	0.7792	Ave		0.7926				4.8		30.0			
Toluene	+++++ 0.8830	1.0199 0.8368	1.0341 0.7936	0.8851	0.8750	Ave		0.9039				10.0		30.0			
n-Octane	+++++ 0.8605	1.0089 0.8302	1.0313 0.7760	0.8882	0.8645	Ave		0.8942				10.4		30.0			
trans-1,3-Dichloropropene	+++++ 0.5821	0.5970 0.5685	0.6184 0.5567	0.5660	0.5733	Ave		0.5803				3.6		30.0			
1,1,2-Trichloroethane	+++++ 0.4554	0.5158 0.4343	0.5207 0.4167	0.4550	0.4477	Ave		0.4637				8.6		30.0			
Tetrachloroethene	0.8789 0.7145	0.8483 0.6759	0.8309 0.6476	0.7104	0.7077	Ave		0.7518				11.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.8443	+++++ 0.8099	0.8440 0.7787	0.8221	0.8237	Ave		0.8204				3.0		30.0			
Dibromochloromethane	+++++ 0.9540	0.9826 0.9124	1.0227 0.8692	0.9265	0.9387	Ave		0.9437				5.2		30.0			
1,2-Dibromoethane	+++++ 0.8289	0.9226 0.7918	0.9323 0.7544	0.8230	0.8151	Ave		0.8383				7.9		30.0			
Chlorobenzene	+++++ 1.1809	1.4027 1.1225	1.3880 1.0609	1.1874	1.1730	Ave		1.2165				10.7		30.0			
Ethylbenzene	+++++ 1.9445	2.2651 1.8331	2.2792 1.6807	1.9782	1.9371	Ave		1.9883				11.0		30.0			
m,p-Xylene	+++++ 0.7342	0.8439 0.6936	0.8613 0.6417	0.7485	0.7304	Ave		0.7505				10.4		30.0			
n-Nonane	+++++ 0.9173	1.0512 0.8706	1.1056 0.8092	0.9530	0.9176	Ave		0.9464				10.8		30.0			
o-Xylene	+++++ 0.7170	0.8029 0.6784	0.8034 0.6404	0.7212	0.7119	Ave		0.7250				8.3		30.0			
Styrene	+++++ 1.1862	1.2308 1.1213	1.2906 1.0496	1.1929	1.1801	Ave		1.1788				6.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bromoform	+++++ 0.9224	0.8387 0.8778	0.9434 0.8241	0.8752	0.9021	Ave		0.8834				4.9		30.0			
Cumene	+++++ 2.1185	2.3732 1.9983	2.4904 1.7939	2.1650	2.1149	Ave		2.1506				10.7		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.1681	1.2434 1.1059	1.3080 1.0263	1.1664	1.1530	Ave		1.1673				7.8		30.0			
1,2,3-Trichloropropane	+++++ 0.9178	+++++ 0.8735	1.0551 0.8226	0.9212	0.9038	Ave		0.9157				8.5		30.0			
n-Propylbenzene	+++++ 2.5684	2.8424 2.3962	2.9692 2.0758	2.6546	2.5861	Ave		2.5847				11.3		30.0			
2-Chlorotoluene	+++++ 1.6753	1.9319 1.5712	1.9815 1.4606	1.7040	1.6683	Ave		1.7132				10.8		30.0			
4-Ethyltoluene	+++++ 2.0844	2.1943 1.9422	2.3571 1.7192	2.1276	2.0774	Ave		2.0717				9.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.7543	1.8656 1.6338	1.9685 1.4315	1.7813	1.7440	Ave		1.7399				9.9		30.0			
n-Decane	+++++ 1.1483	+++++ 1.0806	1.2890 0.9530	1.1696	1.1422	Ave		1.1304				9.8		30.0			
Alpha Methyl Styrene	+++++ 0.9620	0.8296 0.9074	0.9255 0.8404	0.9319	0.9413	Ave		0.9054				5.6		30.0			
tert-Butylbenzene	+++++ 1.6754	1.8046 1.5712	1.8934 1.4115	1.6936	1.6616	Ave		1.6731				9.3		30.0			
1,2,4-Trimethylbenzene	+++++ 1.7727	1.8496 1.6589	1.9743 1.4809	1.7897	1.7618	Ave		1.7554				8.8		30.0			
sec-Butylbenzene	+++++ 2.5356	2.7415 2.3470	2.9063 1.9990	2.6030	2.5344	Ave		2.5238				11.5		30.0			
1,3-Dichlorobenzene	+++++ 1.2162	1.2665 1.1507	1.3485 1.0352	1.2180	1.2049	Ave		1.2057				8.0		30.0			
4-Isopropyltoluene	+++++ 2.1172	2.1868 1.9718	2.3460 1.7031	2.1579	2.1170	Ave		2.0857				9.7		30.0			
1,4-Dichlorobenzene	+++++ 1.2220	1.2568 1.1462	1.3319 1.0491	1.2148	1.2077	Ave		1.2040				7.3		30.0			
Benzyl chloride	+++++ 1.6768	1.2666 1.5783	1.4332 1.4501	1.5977	1.6391	Ave		1.5203				9.5		30.0			
n-Butylbenzene	+++++ 2.0748	2.0901 1.9329	2.2773 1.6734	2.0617	2.0512	Ave		2.0231				9.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.1649	1.1776 1.0942	1.2747 1.0016	1.1526	1.1502	Ave		1.1451				7.3		30.0			
n-Undecane	+++++ 1.2087	+++++ 1.1381	+++++ 1.0210	1.1501	1.1671	Ave		1.1370				6.2		30.0			
n-Dodecane	+++++ 1.1597	+++++ 1.0910	+++++ 0.9222	0.9264	1.1040	Ave		1.0407				10.5		30.0			
1,2,4-Trichlorobenzene	+++++ 1.0163	+++++ 0.9480	0.9383 0.8591	0.8534	0.9477	Ave		0.9271				6.6		30.0			
Hexachlorobutadiene	+++++ 0.8479	0.8738 0.7945	0.9255 0.7315	0.8056	0.8132	Ave		0.8274				7.5		30.0			
Naphthalene	+++++ 1.9394	1.3207 1.8101	1.6966 1.5138	1.4776	1.8199	Ave		1.6540				13.5		30.0			
1,2,3-Trichlorobenzene	+++++ 0.9152	+++++ 0.8506	0.9033 0.7697	0.7671	0.8619	Ave		0.8446				7.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-75119-1 | Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 | Calibration End Date: 06/18/2024 22:56 | Calibration ID: 52840

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-205411/4	60827_004.D
Level 2	IC 200-205411/5	60827_005.D
Level 3	IC 200-205411/6	60827_006.D
Level 4	IC 200-205411/7	60827_007.D
Level 5	ICIS 200-205411/8	60827_008.D
Level 6	IC 200-205411/9	60827_009.D
Level 7	IC 200-205411/12	60827_012.D
Level 8	IC 200-205411/13	60827_013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 558097	+++++ 723619	+++++ 1514227	176031	362285	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2343673	+++++ 3108166	85230 6165835	757709	1551126	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Chlorodifluoromethane	BCM	Ave	+++++ 1239245	+++++ 1640162	45228 3332283	405293	821547	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2386576	34798 3172461	86375 6329795	772338	1576507	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 677285	+++++ 890571	24857 1833175	219965	444934	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1072737	+++++ 1471308	42617 2739123	373103	732556	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2521 776940	13044 1057815	30638 1983612	269974	528169	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	2167 584121	9828 804486	23239 1495803	199248	398065	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 877664	13299 1165849	31714 2345300	286079	579786	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 468540	+++++ 621451	16936 1265850	152036	309621	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 944207	14311 1248987	34663 2527306	305013	624343	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 886810	13179 1186550	32388 2361483	290097	586404	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2431649	36486 3272103	90602 6359240	807156	1618139	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1466680	+++++ 1959453	54331 3875322	485239	974046	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 447683	+++++ 888759	108507 2278218	215450	327212	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 644980	9030 862210	22426 1708017	208487	425659	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 400548	+++++ 539645	+++++ 1063288	129220	264335	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	2537 949590	14765 1275490	34951 2471989	311128	633073	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichlorotrifluoroethane	BCM	Ave	+++++ 2025589	31652 2714041	76113 5189950	671725	1359479	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1296744	+++++ 1772051	+++++ 3406981	441429	871319	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1504487	+++++ 2092259	+++++ 3811929	499131	1009499	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2714655	+++++ 3650653	100862 6914404	908195	1822885	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 660269	+++++ 887968	+++++ 1735714	218584	440794	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 1124876	17689 1524707	43216 2923694	379873	759171	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 1021634	+++++ 1379423	39617 2640417	347471	691784	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1742709	+++++ 2302289	+++++ 4482999	575291	1152971	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 661490	+++++ 897148	24063 1736007	222957	445068	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	3654 1329532	20622 1788400	50049 3349153	455572	902398	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2588464	36281 3480350	89851 6577905	864008	1737839	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1415496	22342 1911972	53289 3629087	481957	957430	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	4715 1678392	26646 2254390	63924 4218726	575800	1140065	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 2218721	+++++ 3030899	+++++ 5788291	704282	1470626	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl Ethyl Ketone (2-Butanone)	BCM	Ave	+++++ 483625	+++++ 650052	17088 1254355	160408	323135	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	2862 1032327	16243 1384569	39155 2653261	345240	691711	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 86460	+++++ 115855	+++++ 226062	28453	57493	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	339688	679669	+++++	+++++	+++++	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1009389	1362726	2605295			15.0	20.0	40.0		
Chloroform	BCM	Ave	+++++ 2020603	31849 2722017	75615 5201424	683695	1367229	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 2032522	30748 2738102	76210 5264113	675208	1362378	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 1274672	18606 1717470	46635 3328155	424745	853731	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	5018 2111968	31211 2847299	75644 5496205	695347	1404838	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 2949718	45983 3954919	111680 7499897	993124	1993340	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 1306330	20077 1758621	49301 3381895	437796	880229	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 4597260	71094 6143222	173524 11476768	1560406	3109297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 1659562	25998 2225137	62813 4218468	562248	1118119	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	+++++ 655777	+++++ 862612	+++++ 1668914	212235	432378	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	3774 1353950	20639 1820381	50349 3480974	452060	905417	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 1115547	17244 1498560	41488 2862055	375948	750777	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 1086873	+++++ 1462315	35016 2808266	355760	728299	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 587168	8042 759266	20314 1429437	200314	399108	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	+++++ 1191600	18872 1593519	44153 3052968	395930	801775	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 2217677	32758 2987095	80841 5701006	743069	1491302	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 1938063	26882 2620837	66123 5062015	632861	1293690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Methyl-2-pentanone (Methyl isobutyl ketone)	DFBZ	Ave	+++++ 2115903	+++++ 2871898	72600 5492714	700572	1401012	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZd5	Ave	+++++ 2117561	31991 2821216	78387 5353825	710551	1428738	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	+++++ 2287472	35030 3060275	86753 5694380	787879	1554282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 1547417	20726 2095487	52022 4085314	502060	1030762	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 1092198	16178 1464033	39472 2811208	365258	731086	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrachloroethene	CBNZd5	Ave	4739 1713468	26609 2278709	62984 4368753	570283	1155569	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd5	Ave	+++++ 2024634	+++++ 2730402	63982 5253365	659954	1344921	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZd5	Ave	+++++ 2287896	30821 3076167	77527 5863638	743810	1532790	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZd5	Ave	+++++ 1987815	28937 2669356	70675 5089219	660715	1331018	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZd5	Ave	+++++ 2831884	43997 3784397	105220 7156986	953189	1915280	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZd5	Ave	+++++ 4663246	71047 6179964	172772 11338689	1588024	3163034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZd5	Ave	+++++ 3521465	52937 4676768	130576 8658654	1201830	2385320	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
n-Nonane	CBNZd5	Ave	+++++ 2199815	32973 2935215	83813 5459403	765063	1498226	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
o-Xylene	CBNZd5	Ave	+++++ 1719348	25185 2287197	60904 4320565	578962	1162472	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZd5	Ave	+++++ 2844568	38605 3780323	97832 7081251	957594	1926940	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZd5	Ave	+++++ 2212114	26305 2959482	71512 5560002	702596	1473013	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZd5	Ave	+++++ 5080481	74439 6736831	188787 12102329	1738013	3453308	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZd5	Ave	+++++	38999	99150	936357	1882713	+++++	0.200	0.500	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2801216	3728371	6923918			15.0	20.0	40.0		
1,2,3-Trichloropropane	CBNZd 5	Ave	+++++	+++++	79985	739554	1475795	+++++	+++++	0.500	4.99	10.00
			2201031	2944968	5549678			15.0	20.0	40.0		
n-Propylbenzene	CBNZd 5	Ave	+++++	89155	225079	2131026	4222651	+++++	0.200	0.500	4.99	10.00
			6159327	8078356	14004175			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd 5	Ave	+++++	60595	150208	1367894	2724048	+++++	0.200	0.500	4.99	10.00
			4017590	5297067	9853755			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd 5	Ave	+++++	68827	178682	1707963	3392172	+++++	0.200	0.500	4.99	10.00
			4998650	6547713	11598408			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	+++++	58517	149224	1429968	2847629	+++++	0.200	0.500	4.99	10.00
			4206995	5508171	9657270			15.0	20.0	40.0		
n-Decane	CBNZd 5	Ave	+++++	+++++	97710	938925	1865088	+++++	+++++	0.500	4.99	10.00
			2753656	3642994	6429522			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd 5	Ave	+++++	26021	70156	748090	1537004	+++++	0.200	0.500	4.99	10.00
			2307003	3059149	5669677			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd 5	Ave	+++++	56604	143530	1359601	2713149	+++++	0.200	0.500	4.99	10.00
			4017792	5297179	9522756			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	+++++	58013	149661	1436763	2876766	+++++	0.200	0.500	4.99	10.00
			4251046	5592770	9990777			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd 5	Ave	+++++	85988	220309	2089618	4138279	+++++	0.200	0.500	4.99	10.00
			6080749	7912602	13485847			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd 5	Ave	+++++	39726	102224	977772	1967363	+++++	0.200	0.500	4.99	10.00
			2916607	3879262	6983869			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd 5	Ave	+++++	68591	177836	1732296	3456775	+++++	0.200	0.500	4.99	10.00
			5077205	6647693	11489820			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd 5	Ave	+++++	39420	100961	975187	1971944	+++++	0.200	0.500	4.99	10.00
			2930522	3864220	7077326			15.0	20.0	40.0		
Benzyl chloride	CBNZd 5	Ave	+++++	39728	108641	1282625	2676451	+++++	0.200	0.500	4.99	10.00
			4021142	5321080	9782948			15.0	20.0	40.0		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Butylbenzene	CBNZd5	Ave	+++++ 4975718	65557 6516638	172628 11289163	1655103	3349368	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZd5	Ave	+++++ 2793641	36938 3688832	96629 6757080	925254	1878164	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZd5	Ave	+++++ 2898576	+++++ 3836923	+++++ 6888040	923296	1905712	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Dodecane	CBNZd5	Ave	+++++ 2781203	+++++ 3677997	+++++ 6221621	743678	1802616	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZd5	Ave	+++++ 2437199	+++++ 3195938	71125 5795645	685079	1547413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZd5	Ave	+++++ 2033416	27406 2678622	70154 4934785	646731	1327846	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZd5	Ave	+++++ 5529899	49254 7255764	152922 12142595	1410375	3533347	+++++ 17.8	0.238 23.8	0.595 47.6	5.94	11.9
1,2,3-Trichlorobenzene	CBNZd5	Ave	+++++ 2194753	+++++ 2867510	68472 5192806	615822	1407416	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington | Job No.: 200-75119-1 | Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 | Calibration End Date: 06/18/2024 22:56 | Calibration ID: 52840

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-205411/4	60827_004.D
Level 2	IC 200-205411/5	60827_005.D
Level 3	IC 200-205411/6	60827_006.D
Level 4	IC 200-205411/7	60827_007.D
Level 5	ICIS 200-205411/8	60827_008.D
Level 6	IC 200-205411/9	60827_009.D
Level 7	IC 200-205411/12	60827_012.D
Level 8	IC 200-205411/13	60827_013.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Propylene	+++++ -2.8	+++++ 1.9	+++++	-2.3	-0.8	4.0	30	30		50	30	30
Dichlorodifluoromethane	+++++ -4.2	+++++ -4.8	14.8	-3.5	-2.5	0.2	30	30	50	30	30	30
Chlorodifluoromethane	+++++ -5.0	+++++ -3.3	14.5	-3.0	-2.9	-0.4	30	30	50	30	30	30
1,2-Dichlorotetrafluoroethane	+++++ -5.6	9.9 -5.6	12.3	-5.1	-4.4	-1.5	30	50 30	30	30	30	30
Chloromethane	+++++ -5.4	+++++ -2.5	15.3	-3.5	-3.7	-0.2	30	30	50	30	30	30
n-Butane	+++++ -4.4	+++++ -10.8	21.0	0.2	-2.9	-3.2	30	30	50	30	30	30
Vinyl chloride	29.0 -11.8	15.5 -17.1	11.6	-7.0	-10.2	-10.1	50 30	30 30	30	30	30	30
1,3-Butadiene	43.9 -12.9	13.0 -18.8	10.0	-10.8	-12.1	-12.2	50 30	30 30	30	30	30	30
Bromomethane	+++++ -6.4	13.3 -5.7	11.2	-5.1	-5.1	-2.2	30	50 30	30	30	30	30
Chloroethane	+++++ -4.5	+++++ -2.6	13.7	-3.5	-3.0	-0.1	30	30	50	30	30	30
Isopentane	+++++ -6.9	13.2 -5.6	12.9	-6.1	-5.1	-2.3	30	50 30	30	30	30	30
Bromoethene(Vinyl Bromide)	+++++ -5.7	11.2 -6.0	12.4	-4.7	-5.0	-2.2	30	50 30	30	30	30	30
Trichlorofluoromethane	+++++ -5.7	11.6 -8.2	14.0	-3.9	-5.0	-2.8	30	50 30	30	30	30	30
n-Pentane	+++++ -4.4	+++++ -5.3	15.8	-2.2	-3.1	-0.7	30	30	50	30	30	30
Ethanol	+++++ -2.3	+++++ 0.4	4.1	-2.2	-2.2	2.2	30	30	50	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington | Job No.: 200-75119-1 | Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 | Calibration End Date: 06/18/2024 22:56 | Calibration ID: 52840

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl ether	+++++ -3.9	6.8 -4.6	9.2	-4.0	-3.3	-0.2	30	50 30	30	30	30	30
Acrolein	+++++ -0.1	+++++ -1.4	+++++	-1.2	-0.2	2.9	30	30		50	30	30
1,1-Dichloroethene	12.6 -7.7	13.4 -10.4	10.5	-7.0	-6.6	-4.7	50 30	30 30	30	30	30	30
1,1,2-Trichlorotrifluoroethane	+++++ -6.7	15.5 -10.6	14.3	-4.6	-4.7	-3.3	30	50 30	30	30	30	30
Acetone	+++++ -0.2	+++++ -3.9	+++++	2.7	0.0	1.3	30	30		50	30	30
Isopropyl alcohol	+++++ 2.4	+++++ -6.5	+++++	1.0	0.8	2.2	30	30		50	30	30
Carbon disulfide	+++++ -3.8	+++++ -8.7	16.2	-1.1	-2.0	-0.7	30	30	50	30	30	30
Acetonitrile	+++++ -0.8	+++++ -2.9	+++++	0.9	0.4	2.4	30	30		50	30	30
3-Chloropropene	+++++ -6.7	14.9 -10.3	15.6	-3.9	-5.2	-4.4	30	50 30	30	30	30	30
Methylene Chloride	+++++ -4.8	+++++ -8.7	19.4	-0.9	-2.7	-2.2	30	30	50	30	30	30
tert-Butyl alcohol	+++++ -1.6	+++++ -4.0	+++++	1.6	0.5	3.4	30	30		50	30	30
Acrylonitrile	+++++ -3.3	+++++ -6.2	13.3	-0.7	-2.2	-1.0	30	30	50	30	30	30
trans-1,2-Dichloroethene	14.5 -8.6	11.9 -14.2	11.8	-3.8	-5.9	-5.7	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	+++++ -3.6	6.7 -8.7	8.8	-1.1	-1.8	-0.4	30	50 30	30	30	30	30
n-Hexane	+++++ -6.7	15.8 -11.2	13.7	-2.8	-4.7	-4.1	30	50 30	30	30	30	30
1,1-Dichloroethane	16.2 -9.4	13.6 -15.1	12.2	-4.4	-6.6	-6.4	50 30	30 30	30	30	30	30
Vinyl acetate	+++++ 1.6	+++++ -2.8	+++++	-2.5	0.5	3.2	30	30		50	30	30
Methyl Ethyl Ketone (2-Butanone)	+++++ -2.9	+++++ -6.2	11.5	-1.0	-1.6	0.2	30	30	50	30	30	30
cis-1,2-Dichloroethene	15.3 -9.0	13.3 -12.6	12.4	-6.2	-7.3	-5.8	50 30	30 30	30	30	30	30
Ethyl acetate	+++++ -0.8	+++++ -3.0	+++++	0.7	0.4	2.7	30	30		50	30	30
Tetrahydrofuran	+++++ -0.9	+++++ -4.8	+++++	2.6	1.3	1.8	30	30		50	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chloroform	+++++ -6.7	15.8 -10.7	13.2	-3.2	-4.5	-3.9	30	50 30	30	30	30	30
1,1,1-Trichloroethane	+++++ -6.1	12.0 -9.3	14.6	-3.7	-4.2	-3.3	30	50 30	30	30	30	30
Cyclohexane	+++++ -5.3	9.0 -7.8	12.7	-2.6	-3.5	-2.5	30	50 30	30	30	30	30
Carbon tetrachloride	2.5 -5.1	10.4 -8.0	10.4	-3.7	-4.0	-2.4	50 30	30 30	30	30	30	30
Benzene	+++++ -7.1	14.7 -11.5	14.9	-3.1	-4.0	-3.9	30	50 30	30	30	30	30
1,2-Dichloroethane	+++++ -6.6	13.2 -9.8	14.7	-3.4	-4.2	-3.8	30	50 30	30	30	30	30
2,2,4-Trimethylpentane	+++++ -7.1	14.1 -12.8	15.0	-2.0	-3.6	-3.6	30	50 30	30	30	30	30
n-Heptane	+++++ -7.2	15.1 -11.6	14.8	-2.6	-4.4	-4.0	30	50 30	30	30	30	30
n-Butanol	+++++ -1.5	+++++ -4.3	+++++	0.7	1.2	3.8	30	30		50	30	30
Trichloroethene	16.5 -8.4	10.3 -12.0	11.1	-5.4	-6.6	-5.5	50 30	30 30	30	30	30	30
1,2-Dichloropropane	+++++ -6.6	14.1 -10.4	13.3	-2.6	-4.1	-3.6	30	50 30	30	30	30	30
Methyl methacrylate	+++++ -1.3	+++++ -4.8	3.6	-0.2	0.8	1.8	30	30	50	30	30	30
1,4-Dioxane	+++++ -6.5	5.1 -11.6	9.6	2.5	0.7	0.2	30	50 30	30	30	30	30
Dibromomethane	+++++ -7.1	16.8 -10.6	12.8	-4.1	-4.2	-3.7	30	50 30	30	30	30	30
Bromodichloromethane	+++++ -5.3	10.2 -9.3	12.2	-2.2	-3.1	-2.6	30	50 30	30	30	30	30
cis-1,3-Dichloropropene	+++++ -2.9	5.8 -5.8	7.4	-2.5	-1.7	-0.4	30	50 30	30	30	30	30
4-Methyl-2-pentanone (Methyl isobutyl ketone)	+++++ -1.7	+++++ -5.6	8.9	-0.4	-1.7	0.4	30	30	50	30	30	30
Toluene	+++++ -7.4	12.8 -12.2	14.4	-2.1	-3.2	-2.3	30	50 30	30	30	30	30
n-Octane	+++++ -7.2	12.8 -13.2	15.3	-0.7	-3.3	-3.8	30	50 30	30	30	30	30
trans-1,3-Dichloropropene	+++++ -2.0	2.9 -4.1	6.6	-2.5	-1.2	0.3	30	50 30	30	30	30	30
1,1,2-Trichloroethane	+++++ -6.3	11.2 -10.1	12.3	-1.9	-3.4	-1.8	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Tetrachloroethene	16.9 -10.1	12.8 -13.9	10.5	-5.5	-5.9	-5.0	50 30	30 30	30	30	30	30
Methyl Butyl Ketone (2-Hexanone)	+++++ -1.3	+++++ -5.1	2.9	0.2	0.4	2.9	30	30	50	30	30	30
Dibromochloromethane	+++++ -3.3	4.1 -7.9	8.4	-1.8	-0.5	1.1	30	50 30	30	30	30	30
1,2-Dibromoethane	+++++ -5.6	10.1 -10.0	11.2	-1.8	-2.8	-1.1	30	50 30	30	30	30	30
Chlorobenzene	+++++ -7.7	15.3 -12.8	14.1	-2.4	-3.6	-2.9	30	50 30	30	30	30	30
Ethylbenzene	+++++ -7.8	13.9 -15.5	14.6	-0.5	-2.6	-2.2	30	50 30	30	30	30	30
m,p-Xylene	+++++ -7.6	12.4 -14.5	14.8	-0.3	-2.7	-2.2	30	50 30	30	30	30	30
n-Nonane	+++++ -8.0	11.1 -14.5	16.8	0.7	-3.0	-3.1	30	50 30	30	30	30	30
o-Xylene	+++++ -6.4	10.7 -11.7	10.8	-0.5	-1.8	-1.1	30	50 30	30	30	30	30
Styrene	+++++ -4.9	4.4 -11.0	9.5	1.2	0.1	0.6	30	50 30	30	30	30	30
Bromoform	+++++ -0.6	-5.1 -6.7	6.8	-0.9	2.1	4.4	30	50 30	30	30	30	30
Cumene	+++++ -7.1	10.4 -16.6	15.8	0.7	-1.7	-1.5	30	50 30	30	30	30	30
1,1,2,2-Tetrachloroethane	+++++ -5.3	6.5 -12.1	12.1	-0.1	-1.2	0.1	30	50 30	30	30	30	30
1,2,3-Trichloropropane	+++++ -4.6	+++++ -10.2	15.2	0.6	-1.3	0.2	30	30	50	30	30	30
n-Propylbenzene	+++++ -7.3	10.0 -19.7	14.9	2.7	0.1	-0.6	30	50 30	30	30	30	30
2-Chlorotoluene	+++++ -8.3	12.8 -14.7	15.7	-0.5	-2.6	-2.2	30	50 30	30	30	30	30
4-Ethyltoluene	+++++ -6.3	5.9 -17.0	13.8	2.7	0.3	0.6	30	50 30	30	30	30	30
1,3,5-Trimethylbenzene	+++++ -6.1	7.2 -17.7	13.1	2.4	0.2	0.8	30	50 30	30	30	30	30
n-Decane	+++++ -4.4	+++++ -15.7	14.0	3.5	1.0	1.6	30	30	50	30	30	30
Alpha Methyl Styrene	+++++ 0.2	-8.4 -7.2	2.2	2.9	4.0	6.2	30	50 30	30	30	30	30
tert-Butylbenzene	+++++ -6.1	7.9 -15.6	13.2	1.2	-0.7	0.1	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	+++++ -5.5	5.4 -15.6	12.5	2.0	0.4	1.0	30	50 30	30	30	30	30
sec-Butylbenzene	+++++ -7.0	8.6 -20.8	15.2	3.1	0.4	0.5	30	50 30	30	30	30	30
1,3-Dichlorobenzene	+++++ -4.6	5.0 -14.1	11.8	1.0	-0.1	0.9	30	50 30	30	30	30	30
4-Isopropyltoluene	+++++ -5.5	4.8 -18.3	12.5	3.5	1.5	1.5	30	50 30	30	30	30	30
1,4-Dichlorobenzene	+++++ -4.8	4.4 -12.9	10.6	0.9	0.3	1.5	30	50 30	30	30	30	30
Benzyl chloride	+++++ 3.8	-16.7 -4.6	-5.7	5.1	7.8	10.3	30	50 30	30	30	30	30
n-Butylbenzene	+++++ -4.5	3.3 -17.3	12.6	1.9	1.4	2.6	30	50 30	30	30	30	30
1,2-Dichlorobenzene	+++++ -4.4	2.8 -12.5	11.3	0.7	0.4	1.7	30	50 30	30	30	30	30
n-Undecane	+++++ 0.1	+++++ -10.2	+++++	1.2	2.6	6.3	30	30		50	30	30
n-Dodecane	+++++ 4.8	+++++ -11.4	+++++	-11.0	6.1	11.4	30	30		50	30	30
1,2,4-Trichlorobenzene	+++++ 2.2	+++++ -7.3	1.2	-8.0	2.2	9.6	30	30	50	30	30	30
Hexachlorobutadiene	+++++ -4.0	5.6 -11.6	11.8	-2.6	-1.7	2.5	30	50 30	30	30	30	30
Naphthalene	+++++ 9.4	-20.2 -8.5	2.6	-10.7	10.0	17.3	30	50 30	30	30	30	30
1,2,3-Trichlorobenzene	+++++ 0.7	+++++ -8.9	6.9	-9.2	2.0	8.4	30	30	50	30	30	30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_004.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Jun-2024 15:07:09 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-004
Misc. Info.: ic1
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:07:54 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 10:16:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.321	4.316	0.005	92	1808	0.0351	0.0522	
2 Dichlorodifluoromethane	85	4.422	4.412	0.010	99	5574	0.0351	0.0370	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	95	3011	0.0351	0.0375	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.786	0.000	92	5890	0.0351	0.0377	
5 Chloromethane	50	4.920	4.915	0.005	95	2122	0.0351	0.0485	
7 Butane	43	5.214	5.214	0.000	96	6298	0.0351	0.0881	
6 Vinyl chloride	62	5.220	5.214	0.006	80	2521	0.0351	0.0452	
8 Butadiene	54	5.332	5.332	0.000	84	2167	0.0351	0.0505	
9 Bromomethane	94	6.086	6.081	0.005	98	2210	0.0351	0.0382	
10 Chloroethane	64	6.354	6.359	-0.005	1	1180	0.0351	0.0390	
12 2-Methylbutane	43	6.562	6.568	-0.006	92	2773	0.0351	0.0445	
13 Vinyl bromide	106	6.792	6.793	-0.001	99	2251	0.0351	0.0385	
14 Trichlorofluoromethane	101	6.958	6.953	0.005	96	6374	0.0351	0.0395	
15 Pentane	43	7.156	7.156	0.000	95	4422	0.0351	0.0464	
16 Ethanol	45	7.600	7.360	0.240	63	1173	0.0702	0.0555	
18 Ethyl ether	59	7.611	7.584	0.027	93	1422	0.0351	0.0341	
19 Acrolein	56	7.884	7.846	0.038	1	890	0.0351	0.0354	
20 1,1-Dichloroethene	96	8.034	8.034	0.000	96	2537	0.0351	0.0395	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.066	8.071	-0.005	93	5401	0.0351	0.0399	
22 Acetone	43	8.178	8.130	0.048	96	7180	0.0351	0.0870	
23 Isopropyl alcohol	45	8.467	8.435	0.032	97	4187	0.0351	0.0441	
24 Carbon disulfide	76	8.435	8.440	-0.005	99	7521	0.0351	0.0427	
25 Acetonitrile	41		8.660				ND	ND	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	94	3299	0.0351	0.0434	
27 Methylene Chloride	49	8.986	8.986	0.000	92	3332	0.0351	0.0494	
28 2-Methyl-2-propanol	59	9.259	9.216	0.043	98	4213	0.0351	0.0387	
29 Acrylonitrile	53	9.424	9.409	0.015	42	656	0.0351	0.0152	
30 trans-1,2-Dichloroethene	61	9.483	9.483	0.000	97	3654	0.0351	0.0402	
31 Methyl tert-butyl ether	73	9.505	9.483	0.022	95	6526	0.0351	0.0389	
32 Hexane	57	9.992	9.992	0.000	92	4117	0.0351	0.0432	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		0.0702	0.0806	
33 1,1-Dichloroethane	63	10.275	10.270	0.005	97	4715	0.0351	0.0407	
34 Vinyl acetate	43	10.291	10.275	0.016	99	6399	0.0351	0.0461	
36 2-Butanone (MEK)	72	11.297	11.260	0.037	86	1099	0.0351	0.0353	
37 cis-1,2-Dichloroethene	96	11.281	11.286	-0.005	90	2862	0.0351	0.0405	
38 Ethyl acetate	88		11.334				ND	ND	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	89	350944	10.0	10.0	
40 Tetrahydrofuran	42	11.757	11.730	0.027	89	2989	0.0351	0.0468	
41 Chloroform	83	11.880	11.880	0.000	95	5344	0.0351	0.0394	
42 1,1,1-Trichloroethane	97	12.174	12.180	-0.006	89	5368	0.0351	0.0396	
43 Cyclohexane	84	12.313	12.308	0.005	96	1538	0.0351	0.0182	
44 Carbon tetrachloride	117	12.447	12.453	-0.006	96	5018	0.0351	0.0360	
45 Benzene	78	12.811	12.811	0.000	97	8542	0.0351	0.0432	
46 1,2-Dichloroethane	62	12.891	12.897	-0.006	91	3447	0.0351	0.0394	
47 Isooctane	57	13.014	13.014	0.000	99	12607	0.0351	0.0410	
48 n-Heptane	43	13.319	13.319	0.000	93	5023	0.0351	0.0451	
* 49 1,4-Difluorobenzene	114	13.555	13.555	-0.001	95	1713534	10.0	10.0	
50 n-Butanol	56	13.827	13.801	0.026	85	1439	0.0351	0.0353	
51 Trichloroethene	95	13.982	13.983	-0.001	94	3774	0.0351	0.0409	
53 1,2-Dichloropropane	63	14.464	14.453	0.011	71	1626	0.0351	0.0218	
54 Methyl methacrylate	69	14.550	14.534	0.016	95	2695	0.0351	0.0391	
55 1,4-Dioxane	88	14.614	14.582	0.032	43	1261	0.0351	0.0334	
57 Dibromomethane	174	14.608	14.614	-0.006	97	4004	0.0351	0.0502	
58 Dichlorobromomethane	83	14.924	14.924	0.000	97	5550	0.0351	0.0378	
59 cis-1,3-Dichloropropene	75	15.732	15.727	0.005	93	4514	0.0351	0.0360	
61 4-Methyl-2-pentanone (MIBK)	43	16.015	15.999	0.016	94	5269	0.0351	0.0388	
62 Toluene	92	16.358	16.363	-0.005	92	5972	0.0351	0.0430	
A 63 Toluene Range	1	16.366	(16.294-16.438)		0	25605	NC	NC	
64 n-Octane	43	16.588	16.593	-0.005	87	6330	0.0351	0.0413	
A 65 C8 Range	1	16.593	(16.513-16.716)		0	26894	NC	NC	
66 trans-1,3-Dichloropropene	75	16.791	16.791	0.000	95	3599	0.0351	0.0362	
67 1,1,2-Trichloroethane	83		17.171				ND	ND	
68 Tetrachloroethene	166	17.353	17.348	0.005	96	4739	0.0351	0.0410	
69 2-Hexanone	43	17.604	17.583	0.021	94	3817	0.0351	0.0303	
70 Chlorodibromomethane	129	17.904	17.904	0.000	97	5224	0.0351	0.0360	
71 Ethylene Dibromide	107	18.150	18.145	0.005	96	5081	0.0351	0.0394	
* 73 Chlorobenzene-d5	117	19.054	19.054	0.000	87	1537206	10.0	10.0	
74 Chlorobenzene	112	19.108	19.113	-0.005	91	7651	0.0351	0.0409	
75 Ethylbenzene	91	19.300	19.300	0.000	98	12718	0.0351	0.0416	
76 m-Xylene & p-Xylene	106	19.557	19.557	0.000	0	2226	0.0702	0.0193	
77 n-Nonane	57	19.600	19.605	-0.005	87	5405	0.0351	0.0372	
S 80 Xylenes, Total	106				0		0.1052	0.0559	
78 o-Xylene	106	20.327	20.327	0.000	96	4085	0.0351	0.0367	
79 Styrene	104	20.365	20.365	0.000	98	6264	0.0351	0.0346	
81 Bromoform	173	20.702	20.707	-0.005	90	4177	0.0351	0.0308	
82 Isopropylbenzene	105	20.996	20.996	0.000	97	12674	0.0351	0.0383	
83 1,1,2,2-Tetrachloroethane	83	21.520	21.520	0.000	98	6729	0.0351	0.0375	
84 1,2,3-Trichloropropane	75	21.617	21.617	0.000	96	5662	0.0351	0.0402	
85 N-Propylbenzene	91	21.697	21.697	0.000	99	15640	0.0351	0.0394	
86 2-Chlorotoluene	91	21.847	21.847	0.000	97	10323	0.0351	0.0392	
87 4-Ethyltoluene	105	21.889	21.890	-0.001	97	12145	0.0351	0.0381	
88 1,3,5-Trimethylbenzene	105	21.980	21.981	-0.001	92	10096	0.0351	0.0377	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.996	21.997	-0.001	92	6464	0.0351	0.0372	
90 Alpha Methyl Styrene	118	22.301	22.302	-0.001	85	4382	0.0351	0.0315	
91 tert-Butylbenzene	119	22.451	22.457	-0.006	91	9782	0.0351	0.0380	
92 1,2,4-Trimethylbenzene	105	22.542	22.542	0.000	97	9880	0.0351	0.0366	
93 sec-Butylbenzene	105	22.772	22.772	0.000	98	15231	0.0351	0.0393	
94 1,3-Dichlorobenzene	146	22.949	22.949	0.000	98	6780	0.0351	0.0366	
95 4-Isopropyltoluene	119	22.986	22.986	0.000	97	11844	0.0351	0.0369	
96 1,4-Dichlorobenzene	146	23.093	23.088	0.005	93	6994	0.0351	0.0378	
97 Benzyl chloride	91	23.243	23.243	0.000	98	6647	0.0351	0.0284	
98 n-Butylbenzene	91	23.548	23.548	0.000	99	11600	0.0351	0.0373	
99 1,2-Dichlorobenzene	146	23.596	23.596	0.000	92	6233	0.0351	0.0354	
100 Undecane	57	23.687	23.687	0.000	92	5903	0.0351	0.0338	
101 Dodecane	57	25.308	25.308	0.000	96	4732	0.0351	0.0296	
102 1,2,4-Trichlorobenzene	180	26.094	26.095	-0.001	94	4249	0.0351	0.0298	
103 Hexachlorobutadiene	225	26.335	26.341	-0.006	95	5133	0.0351	0.0404	
104 Naphthalene	128	26.592	26.597	-0.005	98	8060	0.0417	0.0317	
105 1,2,3-Trichlorobenzene	180	27.020	27.020	0.000	93	3720	0.0351	0.0287	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00269	Amount Added: 35.00	Units: mL	
ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

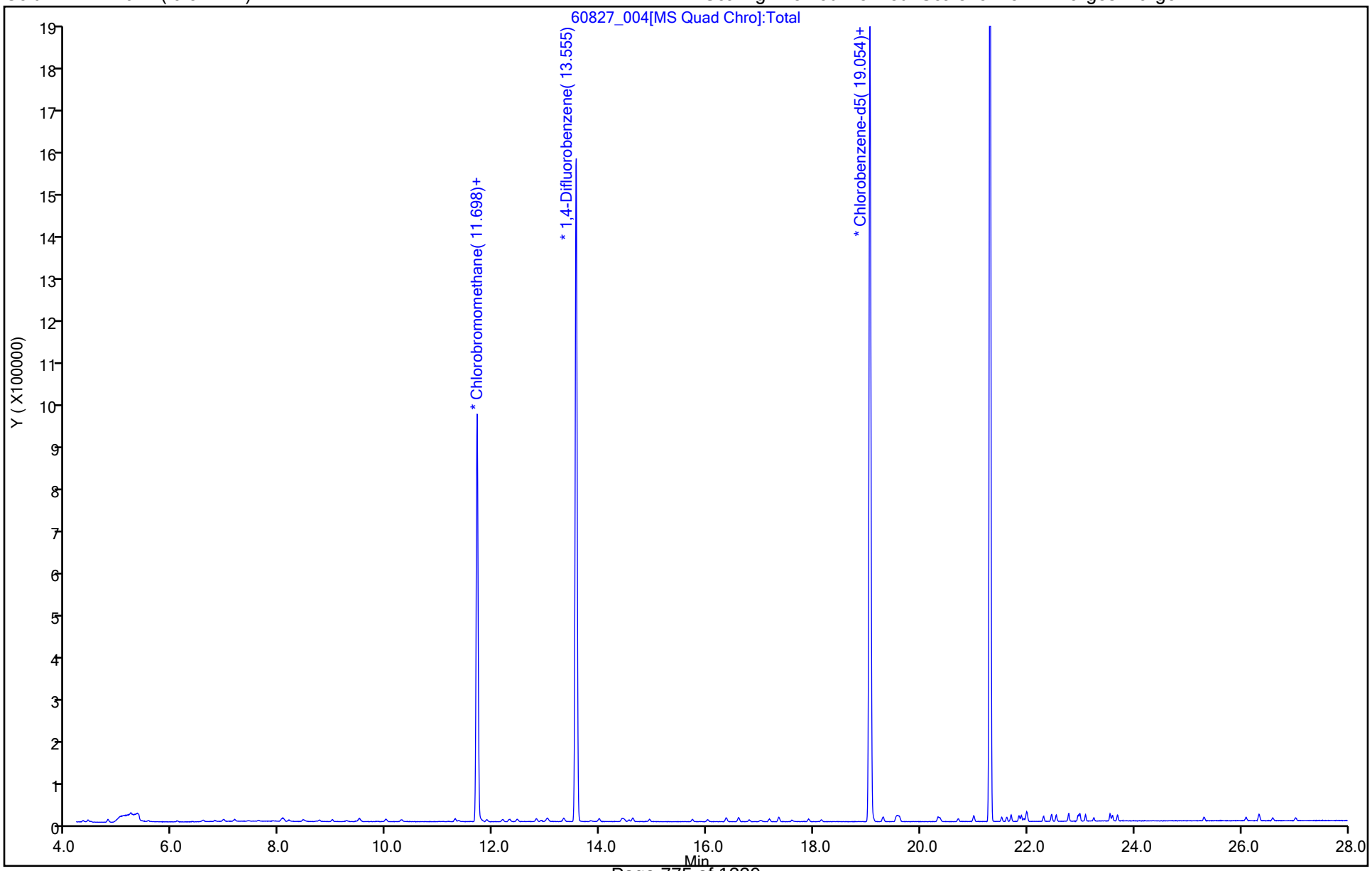
Report Date: 19-Jun-2024 16:07:54 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_004.D

Injection Date:	18-Jun-2024 15:07:09	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_005.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Jun-2024 15:59:09 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-005
Misc. Info.: ic2
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:07:55 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 10:29:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.316	4.316	0.000	98	8596	0.2004	0.2456	M
2 Dichlorodifluoromethane	85	4.417	4.412	0.005	99	34362	0.2004	0.2253	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	97	18244	0.2004	0.2249	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.786	0.000	92	34798	0.2004	0.2202	
5 Chloromethane	50	4.909	4.915	-0.006	98	10891	0.2004	0.2460	
7 Butane	43	5.214	5.214	0.000	99	18457	0.2004	0.2553	M
6 Vinyl chloride	62	5.214	5.214	0.000	80	13044	0.2004	0.2315	
8 Butadiene	54	5.337	5.332	0.005	94	9828	0.2004	0.2264	
9 Bromomethane	94	6.086	6.081	0.005	98	13299	0.2004	0.2271	
10 Chloroethane	64	6.365	6.359	0.006	99	6690	0.2004	0.2187	
12 2-Methylbutane	43	6.563	6.568	-0.005	89	14311	0.2004	0.2269	
13 Vinyl bromide	106	6.793	6.793	0.000	98	13179	0.2004	0.2228	
14 Trichlorofluoromethane	101	6.948	6.953	-0.005	98	36486	0.2004	0.2236	
15 Pentane	43	7.156	7.156	0.000	96	22661	0.2004	0.2351	
16 Ethanol	45	7.397	7.360	0.037	98	10104	0.4009	0.4726	
18 Ethyl ether	59	7.606	7.584	0.022	89	9030	0.2004	0.2141	
19 Acrolein	56	7.863	7.846	0.017	94	5454	0.2004	0.2148	M
20 1,1-Dichloroethene	96	8.039	8.034	0.005	98	14765	0.2004	0.2272	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	96	31652	0.2004	0.2315	
22 Acetone	43	8.162	8.130	0.032	98	29141	0.2004	0.3491	
23 Isopropyl alcohol	45	8.467	8.435	0.032	100	21791	0.2004	0.2270	
24 Carbon disulfide	76	8.440	8.440	0.000	99	42018	0.2004	0.2357	
25 Acetonitrile	41	8.676	8.660	0.016	99	10022	0.2004	0.2382	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	97	17689	0.2004	0.2304	
27 Methylene Chloride	49	8.986	8.986	0.000	92	16937	0.2004	0.2486	
28 2-Methyl-2-propanol	59	9.254	9.216	0.038	98	23629	0.2004	0.2149	
29 Acrylonitrile	53	9.425	9.409	0.016	95	9895	0.2004	0.2270	
30 trans-1,2-Dichloroethene	61	9.478	9.483	-0.005	98	20622	0.2004	0.2243	
31 Methyl tert-butyl ether	73	9.510	9.483	0.027	97	36281	0.2004	0.2139	
32 Hexane	57	9.992	9.992	0.000	93	22342	0.2004	0.2321	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		0.4009	0.4514	
33 1,1-Dichloroethane	63	10.275	10.270	0.005	100	26646	0.2004	0.2277	
34 Vinyl acetate	43	10.291	10.275	0.016	100	31379	0.2004	0.2237	M
36 2-Butanone (MEK)	72	11.281	11.260	0.021	98	7033	0.2004	0.2234	
37 cis-1,2-Dichloroethene	96	11.286	11.286	0.000	94	16243	0.2004	0.2271	
38 Ethyl acetate	88	11.356	11.334	0.022	99	1004	0.2004	0.1829	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	90	354849	10.0	10.0	
40 Tetrahydrofuran	42	11.752	11.730	0.022	90	14644	0.2004	0.2266	M
41 Chloroform	83	11.880	11.880	0.000	94	31849	0.2004	0.2322	
42 1,1,1-Trichloroethane	97	12.180	12.180	0.000	98	30748	0.2004	0.2245	
43 Cyclohexane	84	12.308	12.308	0.000	98	18606	0.2004	0.2184	
44 Carbon tetrachloride	117	12.447	12.453	-0.006	98	31211	0.2004	0.2213	
45 Benzene	78	12.811	12.811	0.000	96	45983	0.2004	0.2298	
46 1,2-Dichloroethane	62	12.897	12.897	0.000	92	20077	0.2004	0.2268	
47 Isooctane	57	13.014	13.014	0.000	99	71094	0.2004	0.2288	
48 n-Heptane	43	13.319	13.319	0.000	91	25998	0.2004	0.2307	
* 49 1,4-Difluorobenzene	114	13.555	13.555	0.000	95	1732181	10.0	10.0	
50 n-Butanol	56	13.822	13.801	0.021	89	8619	0.2004	0.2094	
51 Trichloroethene	95	13.983	13.983	0.000	96	20639	0.2004	0.2211	
53 1,2-Dichloropropane	63	14.448	14.453	-0.005	91	17244	0.2004	0.2287	
54 Methyl methacrylate	69	14.544	14.534	0.010	98	13985	0.2004	0.2009	
55 1,4-Dioxane	88	14.619	14.582	0.037	51	8042	0.2004	0.2107	
57 Dibromomethane	174	14.614	14.614	0.000	97	18872	0.2004	0.2341	
58 Dichlorobromomethane	83	14.930	14.924	0.006	98	32758	0.2004	0.2209	
59 cis-1,3-Dichloropropene	75	15.732	15.727	0.005	92	26882	0.2004	0.2120	
61 4-Methyl-2-pentanone (MIBK)	43	16.010	15.999	0.011	97	28091	0.2004	0.2046	M
62 Toluene	92	16.363	16.363	0.000	93	31991	0.2004	0.2262	
A 63 Toluene Range	1	16.366	(16.294-16.438)		0	135402	NC	NC	
64 n-Octane	43	16.599	16.593	0.006	90	35030	0.2004	0.2261	
A 65 C8 Range	1	16.615	(16.513-16.716)		0	136973	NC	NC	
66 trans-1,3-Dichloropropene	75	16.791	16.791	0.000	97	20726	0.2004	0.2062	
67 1,1,2-Trichloroethane	83	17.166	17.171	-0.005	98	16178	0.2004	0.2230	
68 Tetrachloroethene	166	17.348	17.348	0.000	96	26609	0.2004	0.2262	
69 2-Hexanone	43	17.594	17.583	0.011	95	22809	0.2004	0.1777	
70 Chlorodibromomethane	129	17.904	17.904	0.000	98	30821	0.2004	0.2087	
71 Ethylene Dibromide	107	18.145	18.145	0.000	98	28937	0.2004	0.2206	
* 73 Chlorobenzene-d5	117	19.054	19.054	0.000	87	1564854	10.0	10.0	
74 Chlorobenzene	112	19.113	19.113	0.000	94	43997	0.2004	0.2311	
75 Ethylbenzene	91	19.300	19.300	0.000	99	71047	0.2004	0.2283	
76 m-Xylene & p-Xylene	106	19.563	19.557	0.006	0	52937	0.4009	0.4507	
77 n-Nonane	57	19.605	19.605	0.000	91	32973	0.2004	0.2226	
S 80 Xylenes, Total	106				0		0.6013	0.6727	
78 o-Xylene	106	20.333	20.327	0.006	97	25185	0.2004	0.2220	
79 Styrene	104	20.365	20.365	0.000	99	38605	0.2004	0.2093	
81 Bromoform	173	20.707	20.707	0.000	95	26305	0.2004	0.1903	
82 Isopropylbenzene	105	20.996	20.996	0.000	99	74439	0.2004	0.2212	
83 1,1,2,2-Tetrachloroethane	83	21.521	21.520	0.001	99	38999	0.2004	0.2135	
84 1,2,3-Trichloropropane	75	21.611	21.617	-0.006	99	32227	0.2004	0.2249	
85 N-Propylbenzene	91	21.692	21.697	-0.005	98	89155	0.2004	0.2204	
86 2-Chlorotoluene	91	21.847	21.847	0.000	95	60595	0.2004	0.2260	
87 4-Ethyltoluene	105	21.884	21.890	-0.006	98	68827	0.2004	0.2123	
88 1,3,5-Trimethylbenzene	105	21.981	21.981	0.000	92	58517	0.2004	0.2149	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.997	21.997	0.000	92	38032	0.2004	0.2150	
90 Alpha Methyl Styrene	118	22.302	22.302	0.000	87	26021	0.2004	0.1837	
91 tert-Butylbenzene	119	22.457	22.457	0.000	92	56604	0.2004	0.2162	
92 1,2,4-Trimethylbenzene	105	22.537	22.542	-0.005	98	58013	0.2004	0.2112	
93 sec-Butylbenzene	105	22.772	22.772	0.000	97	85988	0.2004	0.2177	
94 1,3-Dichlorobenzene	146	22.949	22.949	0.000	98	39726	0.2004	0.2106	
95 4-Isopropyltoluene	119	22.986	22.986	0.000	97	68591	0.2004	0.2102	
96 1,4-Dichlorobenzene	146	23.088	23.088	0.000	94	39420	0.2004	0.2092	
97 Benzyl chloride	91	23.243	23.243	0.000	98	39728	0.2004	0.1670	
98 n-Butylbenzene	91	23.548	23.548	0.000	98	65557	0.2004	0.2071	
99 1,2-Dichlorobenzene	146	23.596	23.596	0.000	95	36938	0.2004	0.2061	
100 Undecane	57	23.687	23.687	0.000	94	35115	0.2004	0.1974	
101 Dodecane	57	25.308	25.308	0.000	97	26735	0.2004	0.1642	
102 1,2,4-Trichlorobenzene	180	26.095	26.095	0.000	94	24707	0.2004	0.1703	
103 Hexachlorobutadiene	225	26.341	26.341	0.000	97	27406	0.2004	0.2117	
104 Naphthalene	128	26.592	26.597	-0.005	99	49254	0.2383	0.1903	
105 1,2,3-Trichlorobenzene	180	27.025	27.020	0.005	95	23915	0.2004	0.1809	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL1w_00269	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

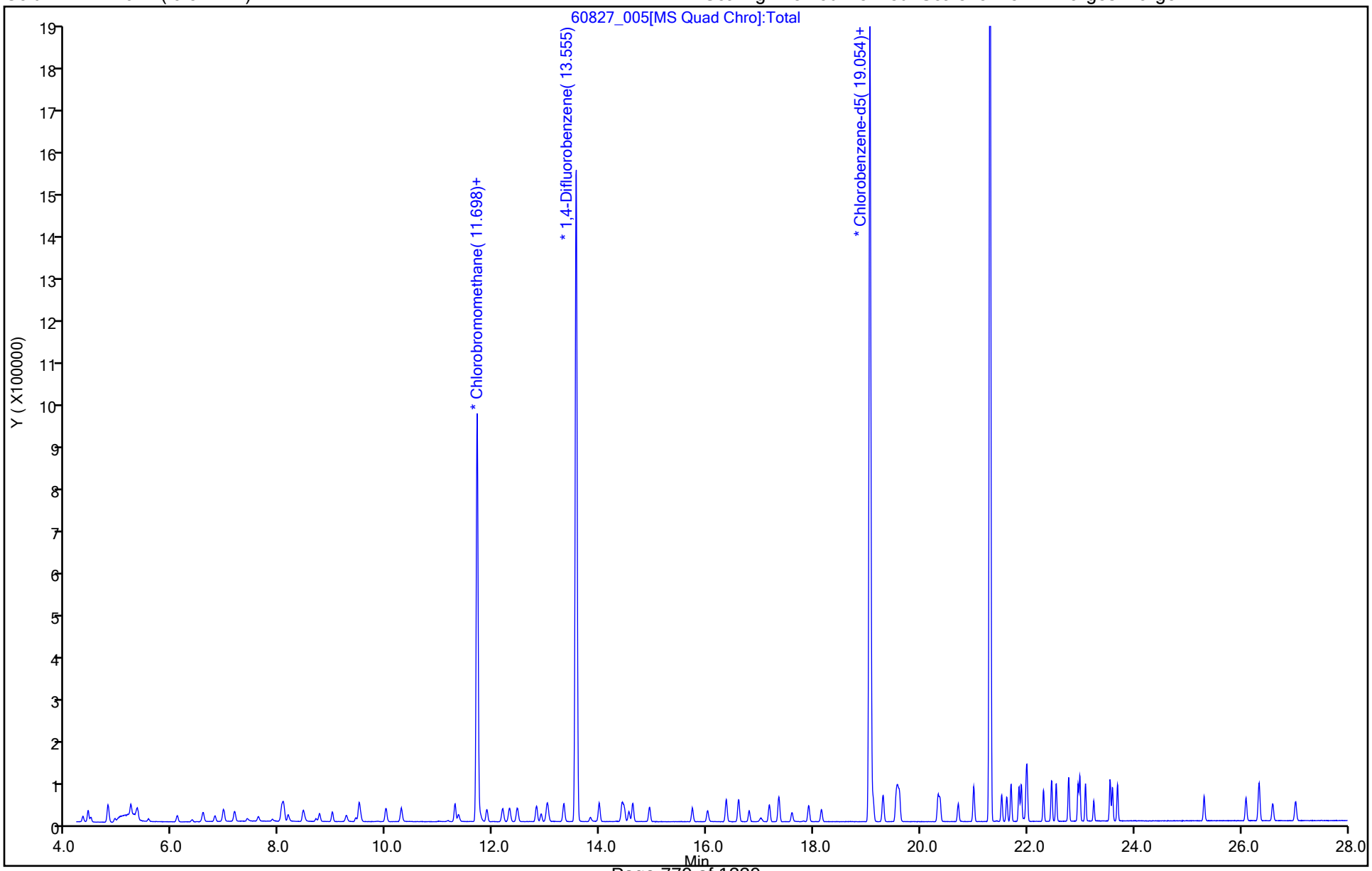
Report Date: 19-Jun-2024 16:07:56 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_005.D

Injection Date:	18-Jun-2024 15:59:09	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

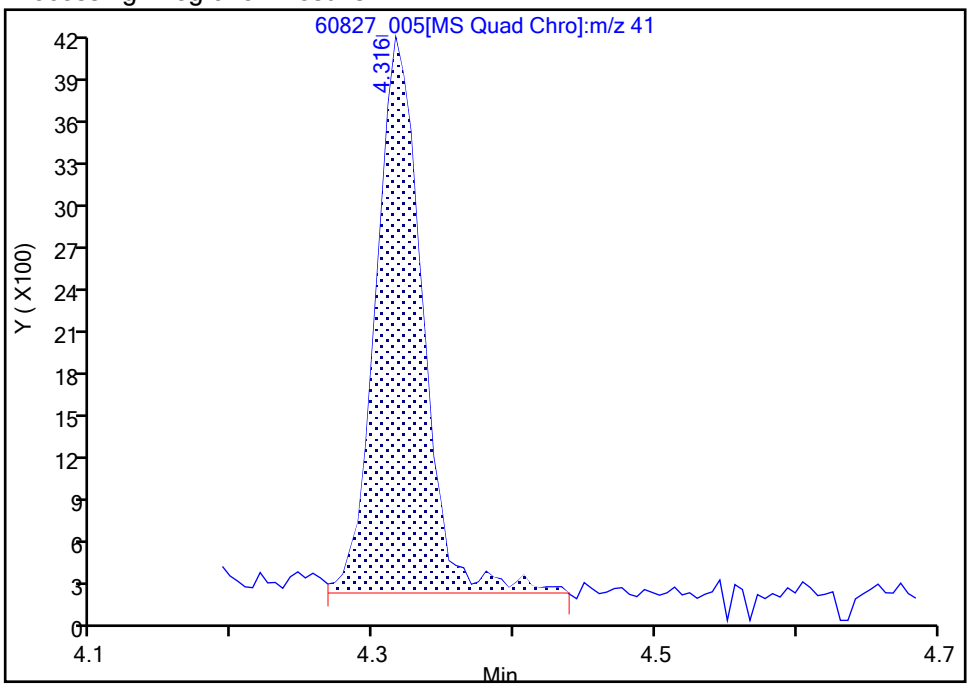
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_005.D				
Injection Date:	18-Jun-2024 15:59:09	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

1 Propene, CAS: 115-07-1

Signal: 1

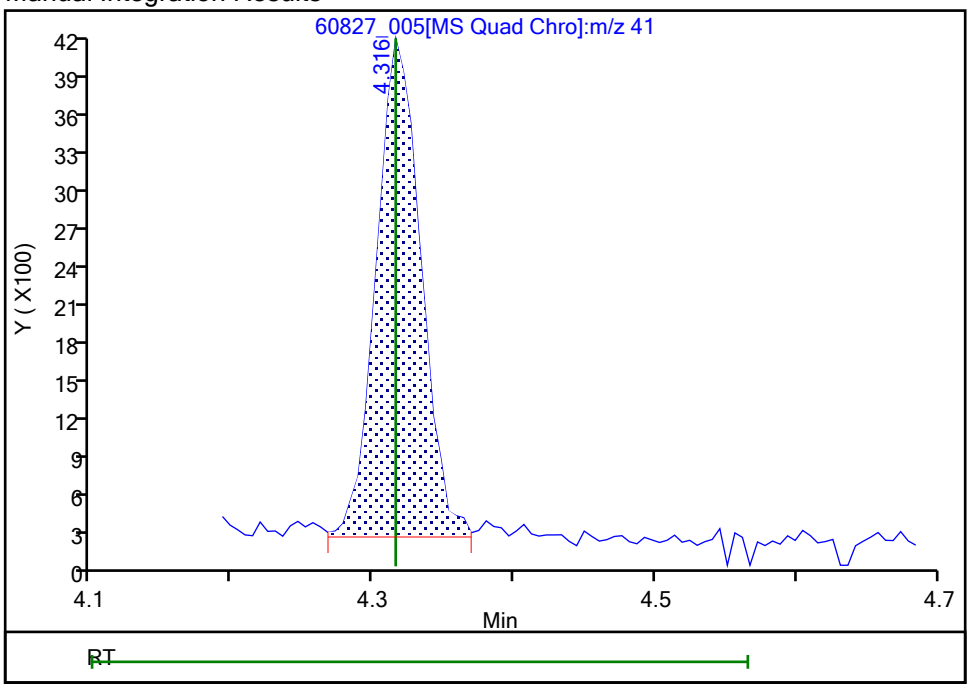
Processing Integration Results

RT: 4.32
Area: 9120
Amount: 0.228876
Amount Units: ppb v/v



Manual Integration Results

RT: 4.32
Area: 8596
Amount: 0.245610
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:21:24 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

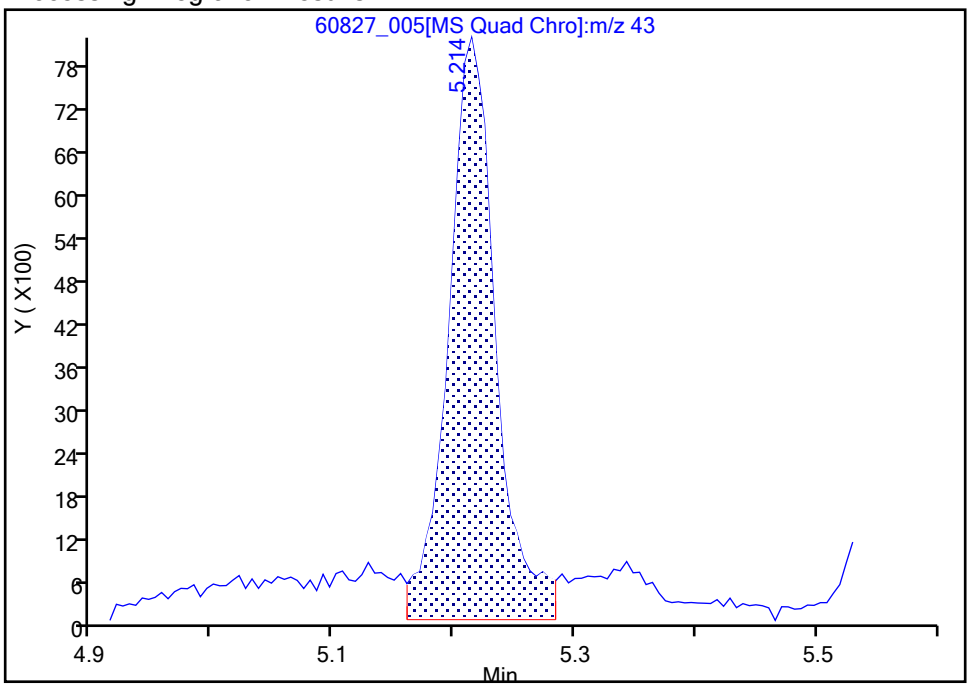
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_005.D				
Injection Date:	18-Jun-2024 15:59:09	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Butane, CAS: 106-97-8

Signal: 1

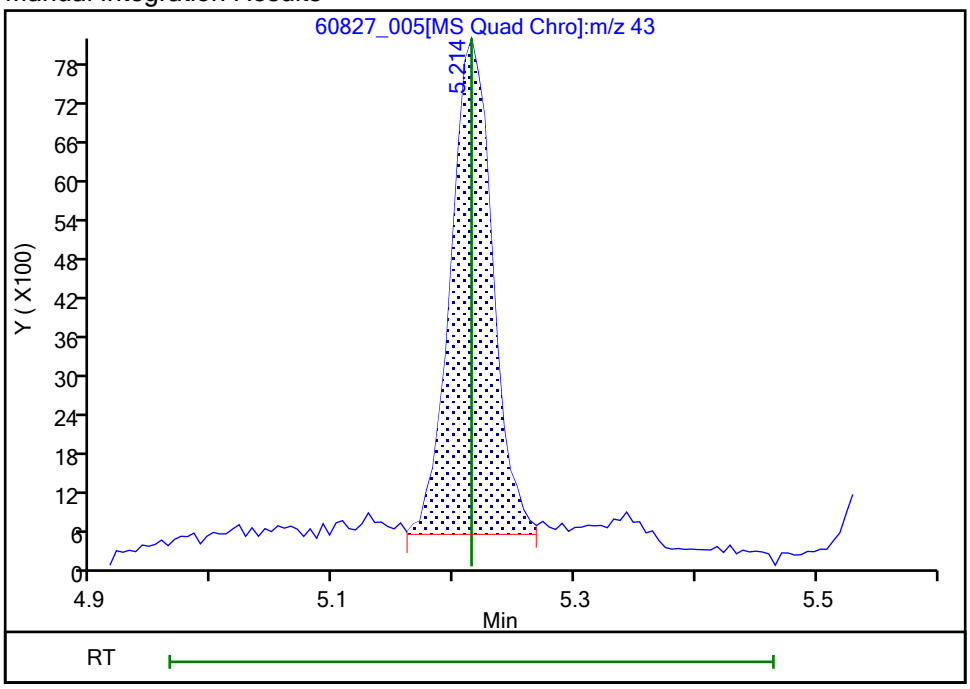
Processing Integration Results

RT: 5.21
Area: 22332
Amount: 0.236035
Amount Units: ppb v/v



Manual Integration Results

RT: 5.21
Area: 18457
Amount: 0.255261
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:22:02 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

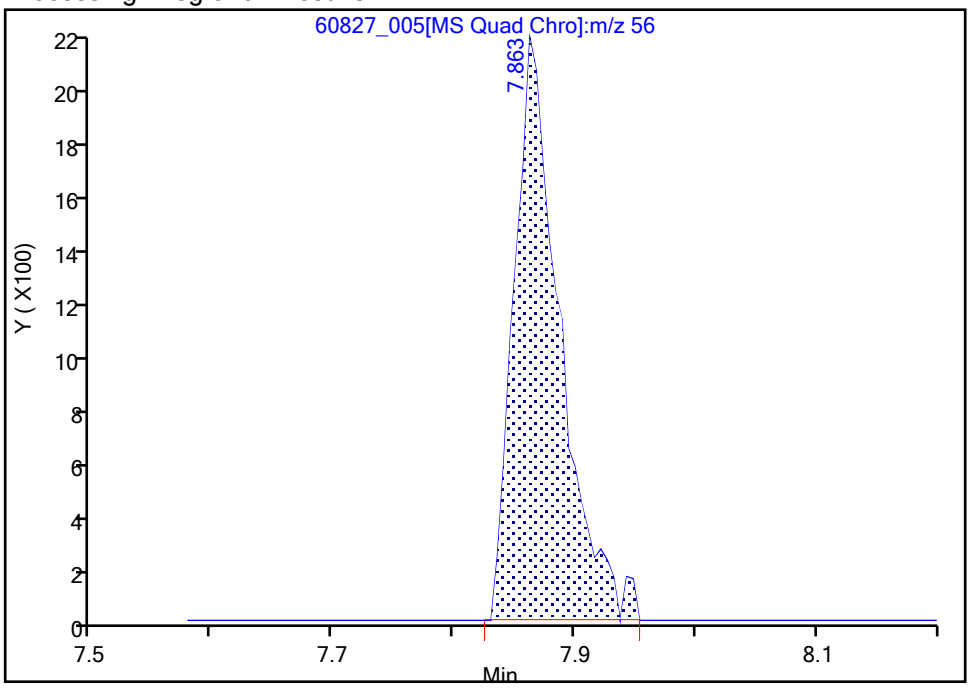
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_005.D				
Injection Date:	18-Jun-2024 15:59:09	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Acrolein, CAS: 107-02-8

Signal: 1

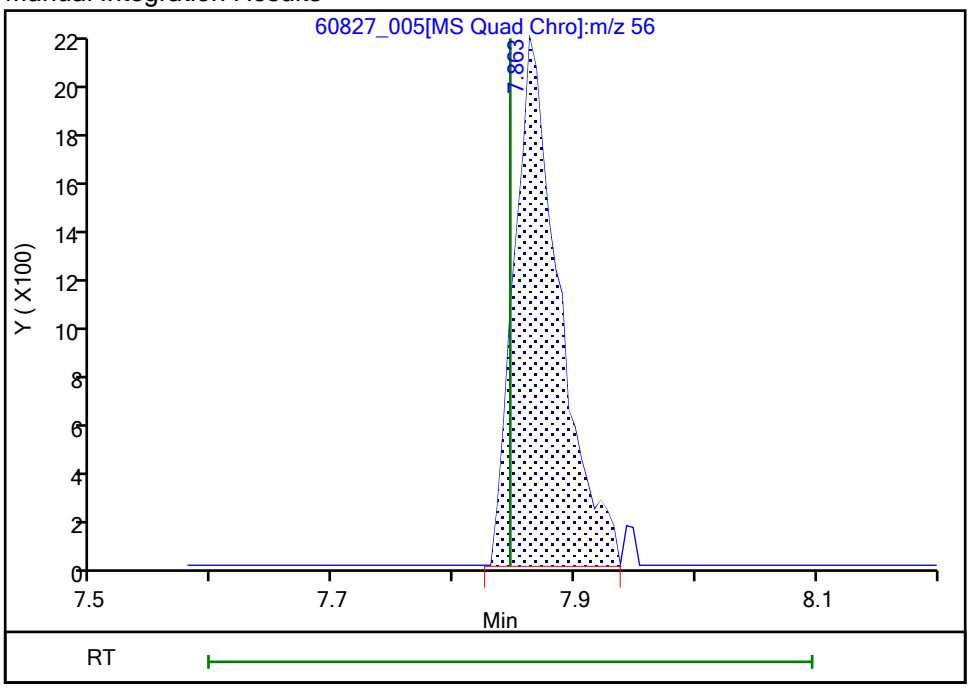
Processing Integration Results

RT: 7.86
Area: 5554
Amount: 0.211887
Amount Units: ppb v/v



Manual Integration Results

RT: 7.86
Area: 5454
Amount: 0.214778
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:22:48 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

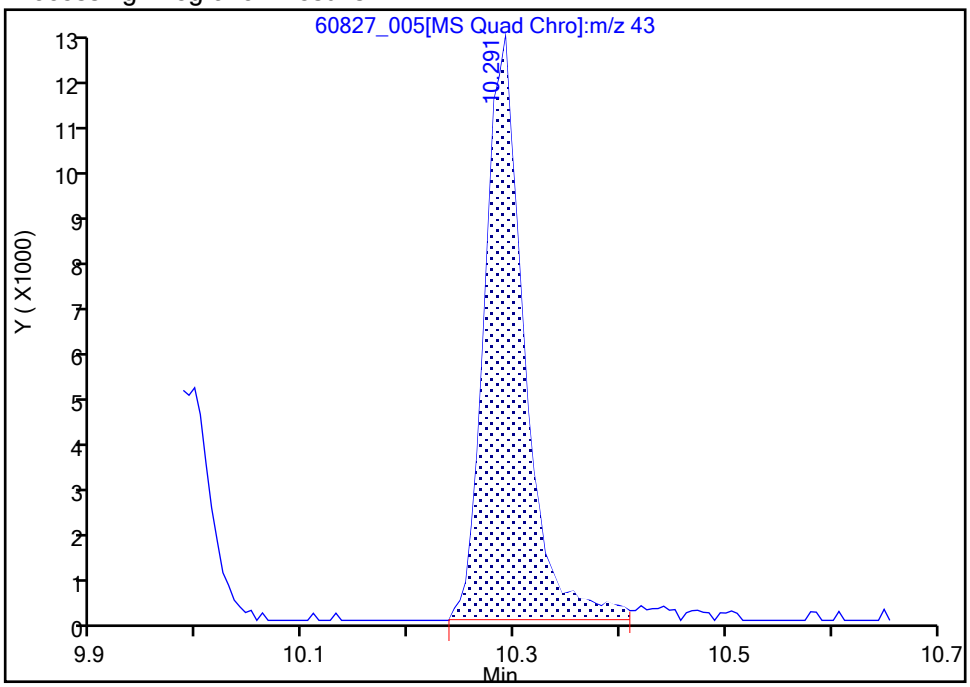
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_005.D				
Injection Date:	18-Jun-2024 15:59:09	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

34 Vinyl acetate, CAS: 108-05-4

Signal: 1

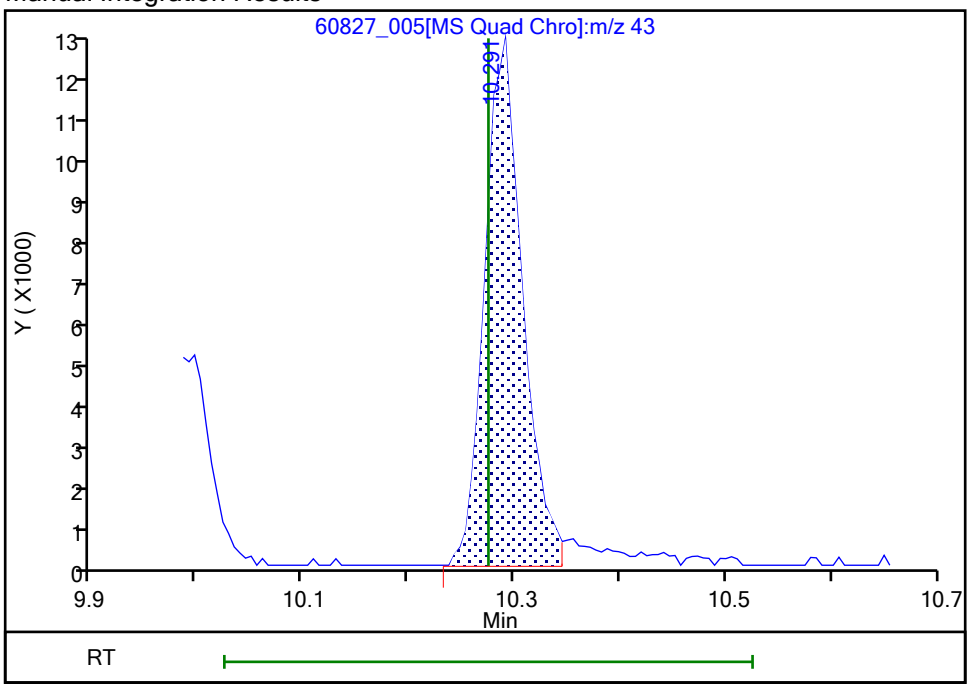
Processing Integration Results

RT: 10.29
Area: 32930
Amount: 0.214294
Amount Units: ppb v/v



Manual Integration Results

RT: 10.29
Area: 31379
Amount: 0.223734
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:24:01 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

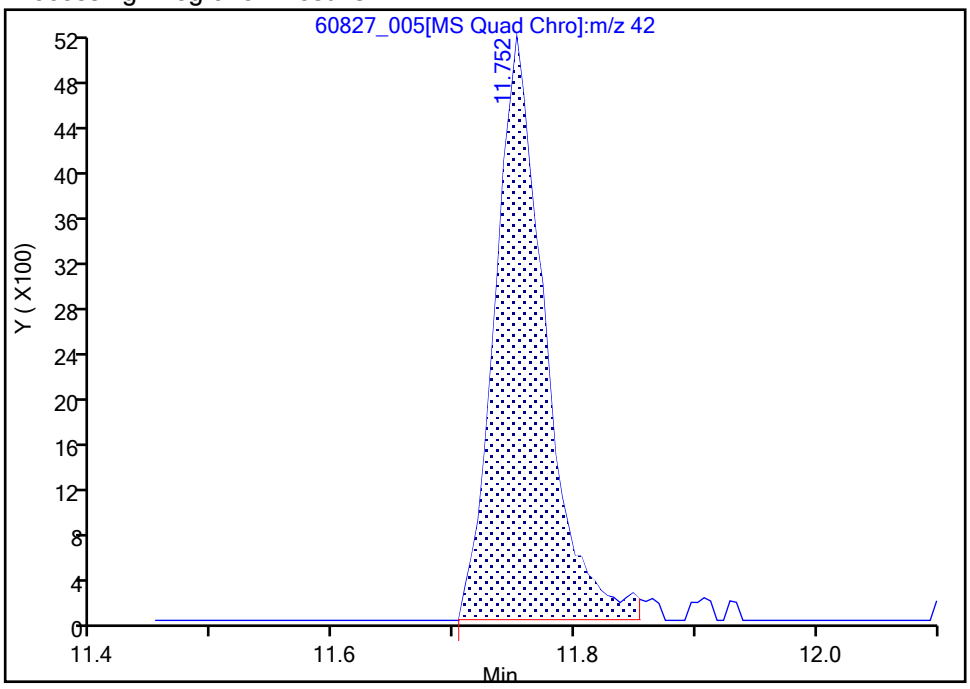
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_005.D				
Injection Date:	18-Jun-2024 15:59:09	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

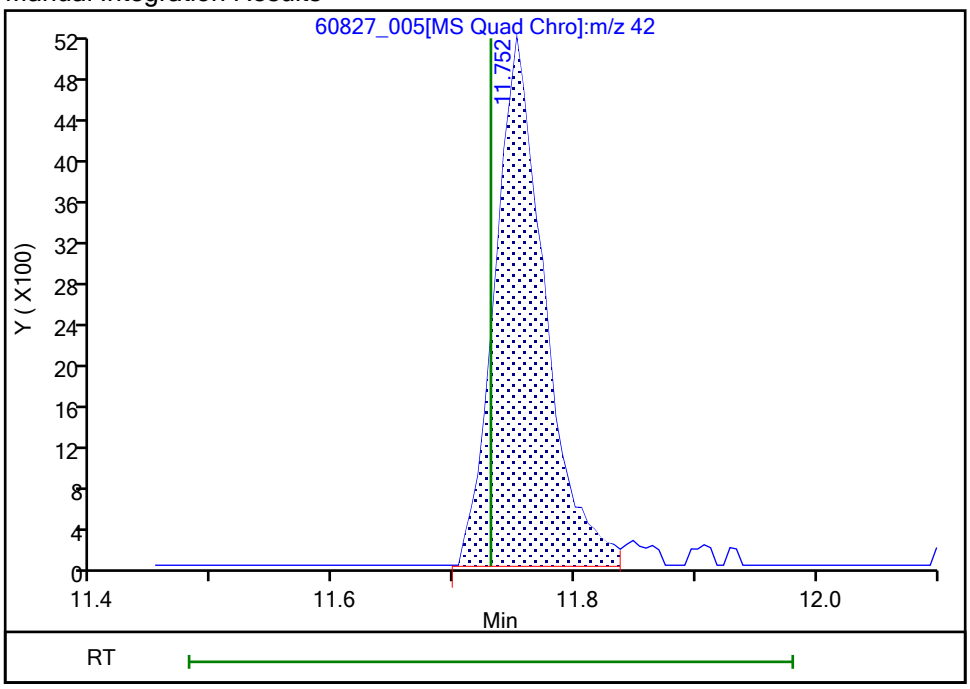
Processing Integration Results

RT: 11.75
Area: 14846
Amount: 0.209961
Amount Units: ppb v/v



Manual Integration Results

RT: 11.75
Area: 14644
Amount: 0.226602
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:25:31 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

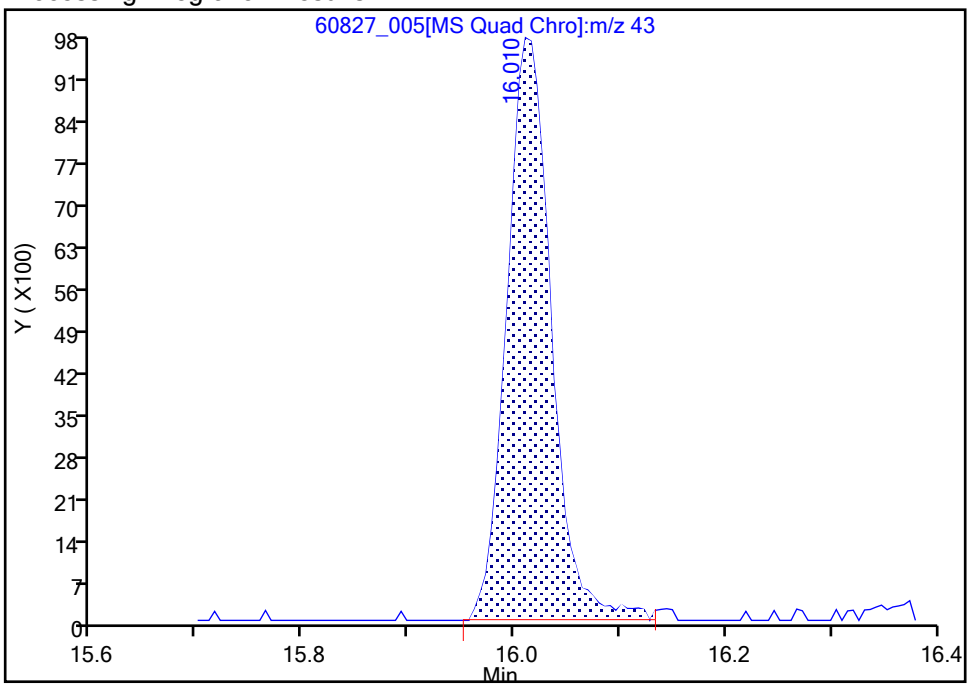
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_005.D				
Injection Date:	18-Jun-2024 15:59:09	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

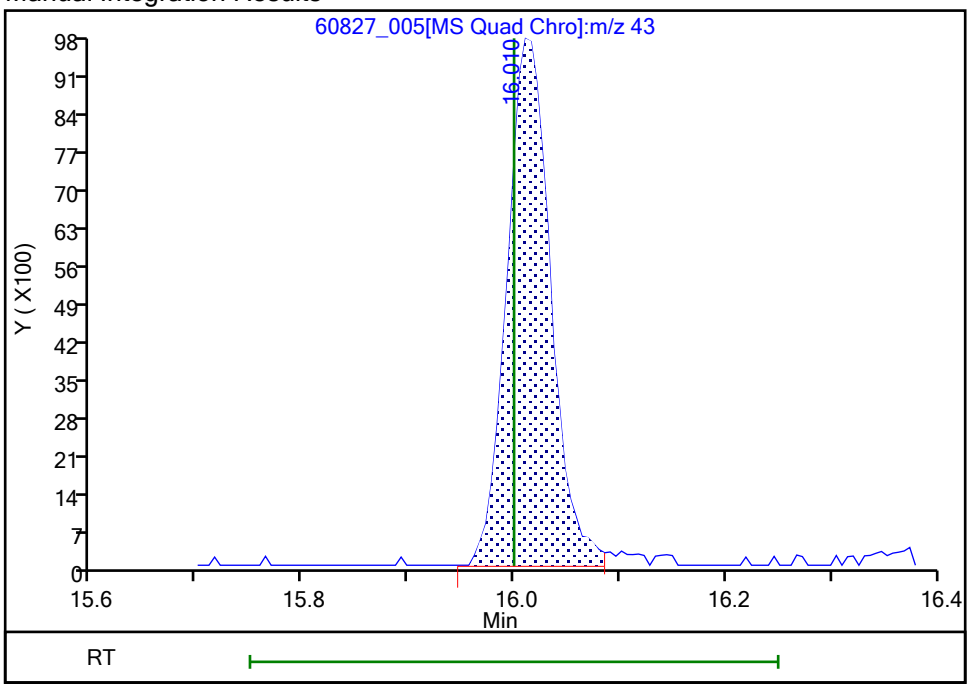
Processing Integration Results

RT: 16.01
Area: 28617
Amount: 0.202602
Amount Units: ppb v/v



Manual Integration Results

RT: 16.01
Area: 28091
Amount: 0.204605
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:27:37 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_006.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Jun-2024 16:51:22 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-006
Misc. Info.: ic3
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:07:57 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 10:34:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.315	4.316	-0.001	96	20442	0.5005	0.6003	
2 Dichlorodifluoromethane	85	4.412	4.412	0.000	99	85230	0.5005	0.5743	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	97	45228	0.5005	0.5730	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.786	0.000	93	86375	0.5005	0.5619	
5 Chloromethane	50	4.915	4.915	0.000	99	24857	0.5005	0.5770	
7 Butane	43	5.214	5.214	0.000	97	42617	0.5005	0.6057	
6 Vinyl chloride	62	5.214	5.214	0.000	80	30638	0.5005	0.5587	
8 Butadiene	54	5.327	5.332	-0.005	92	23239	0.5005	0.5503	
9 Bromomethane	94	6.081	6.081	0.000	98	31714	0.5005	0.5566	
10 Chloroethane	64	6.359	6.359	0.000	99	16936	0.5005	0.5689	
12 2-Methylbutane	43	6.568	6.568	0.000	91	34663	0.5005	0.5648	
13 Vinyl bromide	106	6.787	6.793	-0.006	99	32388	0.5005	0.5627	
14 Trichlorofluoromethane	101	6.948	6.953	-0.005	98	90602	0.5005	0.5707	
15 Pentane	43	7.156	7.156	0.000	95	54331	0.5005	0.5794	
16 Ethanol	45	7.376	7.360	0.016	98	108507	5.01	5.22	
18 Ethyl ether	59	7.600	7.584	0.016	92	22426	0.5005	0.5465	
19 Acrolein	56	7.862	7.846	0.016	96	13729	0.5005	0.5556	
20 1,1-Dichloroethene	96	8.039	8.034	0.005	96	34951	0.5005	0.5528	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	96	76113	0.5005	0.5722	
22 Acetone	43	8.151	8.130	0.021	98	55423	0.5005	0.6824	
23 Isopropyl alcohol	45	8.456	8.435	0.021	100	55164	0.5005	0.5906	
24 Carbon disulfide	76	8.440	8.440	0.000	100	100862	0.5005	0.5814	
25 Acetonitrile	41	8.681	8.660	0.021	98	21294	0.5005	0.5201	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	98	43216	0.5005	0.5785	
27 Methylene Chloride	49	8.986	8.986	0.000	93	39617	0.5005	0.5976	
28 2-Methyl-2-propanol	59	9.243	9.216	0.027	98	58846	0.5005	0.5501	
29 Acrylonitrile	53	9.425	9.409	0.016	94	24063	0.5005	0.5672	
30 trans-1,2-Dichloroethene	61	9.483	9.483	0.000	98	50049	0.5005	0.5594	
31 Methyl tert-butyl ether	73	9.499	9.483	0.016	97	89851	0.5005	0.5444	
32 Hexane	57	9.986	9.992	-0.006	92	53289	0.5005	0.5688	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		1.00	1.12	
33 1,1-Dichloroethane	63	10.270	10.270	0.000	100	63924	0.5005	0.5615	
34 Vinyl acetate	43	10.286	10.275	0.011	100	78880	0.5005	0.5780	
36 2-Butanone (MEK)	72	11.276	11.260	0.016	99	17088	0.5005	0.5579	
37 cis-1,2-Dichloroethene	96	11.286	11.286	0.000	93	39155	0.5005	0.5626	
38 Ethyl acetate	88	11.345	11.334	0.011	99	2732	0.5005	0.5115	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	90	345277	10.0	10.0	
40 Tetrahydrofuran	42	11.746	11.730	0.016	92	35512	0.5005	0.5663	
41 Chloroform	83	11.880	11.880	0.000	97	75615	0.5005	0.5665	
42 1,1,1-Trichloroethane	97	12.174	12.180	-0.006	98	76210	0.5005	0.5734	
43 Cyclohexane	84	12.308	12.308	0.000	98	46635	0.5005	0.5641	
44 Carbon tetrachloride	117	12.453	12.453	-0.001	98	75644	0.5005	0.5527	
45 Benzene	78	12.806	12.811	-0.005	96	111680	0.5005	0.5753	
46 1,2-Dichloroethane	62	12.897	12.897	0.000	93	49301	0.5005	0.5740	
47 Isooctane	57	13.014	13.014	0.000	99	173524	0.5005	0.5754	
48 n-Heptane	43	13.319	13.319	0.000	92	62813	0.5005	0.5744	
* 49 1,4-Difluorobenzene	114	13.555	13.555	0.000	95	1680866	10.0	10.0	
50 n-Butanol	56	13.811	13.801	0.010	89	21887	0.5005	0.5481	
51 Trichloroethene	95	13.983	13.983	0.000	97	50349	0.5005	0.5558	
53 1,2-Dichloropropane	63	14.459	14.453	0.006	92	41488	0.5005	0.5670	
54 Methyl methacrylate	69	14.539	14.534	0.005	98	35016	0.5005	0.5185	
55 1,4-Dioxane	88	14.608	14.582	0.026	56	20314	0.5005	0.5484	
57 Dibromomethane	174	14.608	14.614	-0.006	97	44153	0.5005	0.5645	
58 Dichlorobromomethane	83	14.924	14.924	0.000	98	80841	0.5005	0.5617	
59 cis-1,3-Dichloropropene	75	15.727	15.727	0.000	92	66123	0.5005	0.5375	
61 4-Methyl-2-pentanone (MIBK)	43	16.010	15.999	0.011	97	72600	0.5005	0.5449	
62 Toluene	92	16.363	16.363	0.000	94	78387	0.5005	0.5725	
A 63 Toluene Range	1	16.366	(16.294-16.438)		0	320249	NC	NC	
64 n-Octane	43	16.593	16.593	0.000	92	86753	0.5005	0.5772	
A 65 C8 Range	1	16.593	(16.513-16.716)		0	341694	NC	NC	
66 trans-1,3-Dichloropropene	75	16.791	16.791	0.000	96	52022	0.5005	0.5334	
67 1,1,2-Trichloroethane	83	17.171	17.171	0.000	97	39472	0.5005	0.5620	
68 Tetrachloroethene	166	17.348	17.348	0.000	97	62984	0.5005	0.5531	
69 2-Hexanone	43	17.588	17.583	0.005	94	63982	0.5005	0.5148	
70 Chlorodibromomethane	129	17.909	17.904	0.005	98	77527	0.5005	0.5423	
71 Ethylene Dibromide	107	18.145	18.145	0.000	99	70675	0.5005	0.5566	
* 73 Chlorobenzene-d5	117	19.054	19.054	0.000	87	1514730	10.0	10.0	
74 Chlorobenzene	112	19.108	19.113	-0.005	94	105220	0.5005	0.5710	
75 Ethylbenzene	91	19.300	19.300	0.000	99	172772	0.5005	0.5737	
76 m-Xylene & p-Xylene	106	19.557	19.557	0.000	0	130576	1.00	1.15	
77 n-Nonane	57	19.605	19.605	0.000	90	83813	0.5005	0.5847	
S 80 Xylenes, Total	106				0		1.50	1.70	
78 o-Xylene	106	20.333	20.327	0.006	97	60904	0.5005	0.5546	
79 Styrene	104	20.365	20.365	0.000	99	97832	0.5005	0.5479	
81 Bromoform	173	20.707	20.707	0.000	96	71512	0.5005	0.5344	
82 Isopropylbenzene	105	20.996	20.996	0.000	99	188787	0.5005	0.5795	
83 1,1,2,2-Tetrachloroethane	83	21.520	21.520	0.000	98	99150	0.5005	0.5608	
84 1,2,3-Trichloropropane	75	21.617	21.617	0.000	99	79985	0.5005	0.5767	
85 N-Propylbenzene	91	21.697	21.697	0.000	99	225079	0.5005	0.5749	
86 2-Chlorotoluene	91	21.841	21.847	-0.006	96	150208	0.5005	0.5788	
87 4-Ethyltoluene	105	21.890	21.890	0.000	99	178682	0.5005	0.5694	
88 1,3,5-Trimethylbenzene	105	21.980	21.981	-0.001	93	149224	0.5005	0.5662	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.997	21.997	-0.001	92	97710	0.5005	0.5706	
90 Alpha Methyl Styrene	118	22.301	22.302	-0.001	87	70156	0.5005	0.5115	
91 tert-Butylbenzene	119	22.457	22.457	0.000	93	143530	0.5005	0.5664	
92 1,2,4-Trimethylbenzene	105	22.542	22.542	0.000	98	149661	0.5005	0.5629	
93 sec-Butylbenzene	105	22.772	22.772	0.000	99	220309	0.5005	0.5763	
94 1,3-Dichlorobenzene	146	22.954	22.949	0.005	98	102224	0.5005	0.5597	
95 4-Isopropyltoluene	119	22.981	22.986	-0.005	97	177836	0.5005	0.5629	
96 1,4-Dichlorobenzene	146	23.088	23.088	0.000	93	100961	0.5005	0.5536	
97 Benzyl chloride	91	23.243	23.243	0.000	98	108641	0.5005	0.4718	
98 n-Butylbenzene	91	23.548	23.548	0.000	98	172628	0.5005	0.5633	
99 1,2-Dichlorobenzene	146	23.596	23.596	0.000	95	96629	0.5005	0.5571	
100 Undecane	57	23.687	23.687	0.000	94	98195	0.5005	0.5702	
101 Dodecane	57	25.308	25.308	0.000	97	80850	0.5005	0.5129	
102 1,2,4-Trichlorobenzene	180	26.094	26.095	-0.001	94	71125	0.5005	0.5065	
103 Hexachlorobutadiene	225	26.341	26.341	0.000	98	70154	0.5005	0.5597	
104 Naphthalene	128	26.597	26.597	0.000	99	152922	0.5950	0.6104	
105 1,2,3-Trichlorobenzene	180	27.020	27.020	0.000	95	68472	0.5005	0.5352	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL2w_00349	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

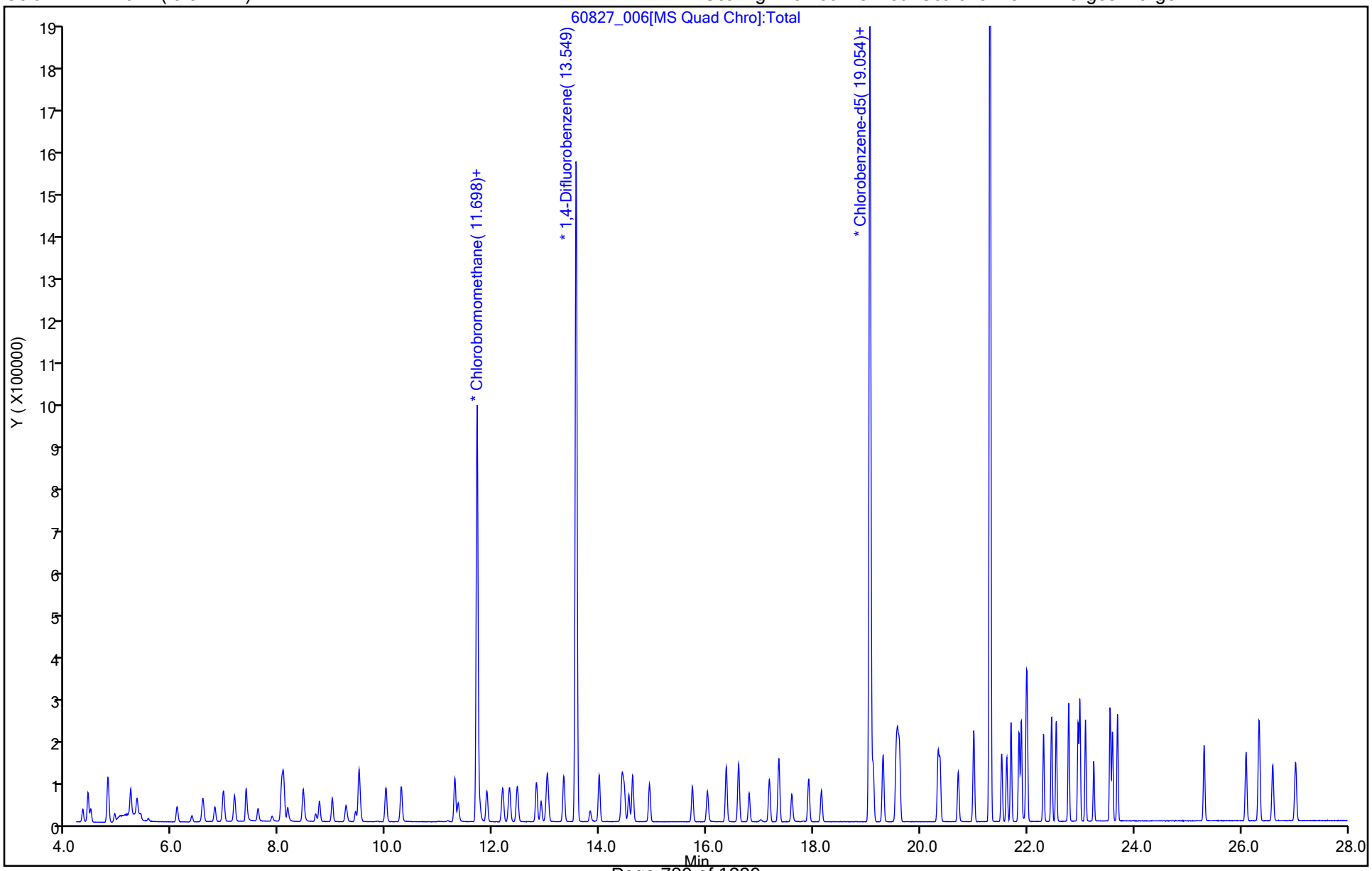
Report Date: 19-Jun-2024 16:07:58 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_006.D

Injection Date:	18-Jun-2024 16:51:22	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_007.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Jun-2024 17:43:23 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-007
Misc. Info.: ic4
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:07:59 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 10:41:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.315	4.316	-0.001	97	176031	4.99	4.88	
2 Dichlorodifluoromethane	85	4.412	4.412	0.000	99	757709	4.99	4.82	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	97	405293	4.99	4.84	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.786	0.000	93	772338	4.99	4.74	
5 Chloromethane	50	4.915	4.915	0.000	99	219965	4.99	4.82	
7 Butane	43	5.214	5.214	0.000	98	373103	4.99	5.00	
6 Vinyl chloride	62	5.214	5.214	0.000	100	269974	4.99	4.65	
8 Butadiene	54	5.332	5.332	0.000	92	199248	4.99	4.45	
9 Bromomethane	94	6.081	6.081	0.000	99	286079	4.99	4.74	
10 Chloroethane	64	6.359	6.359	0.000	100	152036	4.99	4.82	
12 2-Methylbutane	43	6.562	6.568	-0.006	92	305013	4.99	4.69	
13 Vinyl bromide	106	6.792	6.793	-0.001	99	290097	4.99	4.76	
14 Trichlorofluoromethane	101	6.948	6.953	-0.005	99	807156	4.99	4.80	
15 Pentane	43	7.156	7.156	0.000	96	485239	4.99	4.88	
16 Ethanol	45	7.365	7.360	0.005	98	215450	10.0	9.77	
18 Ethyl ether	59	7.589	7.584	0.005	92	208487	4.99	4.79	
19 Acrolein	56	7.852	7.846	0.006	96	129220	4.99	4.93	
20 1,1-Dichloroethene	96	8.034	8.034	0.000	97	311128	4.99	4.64	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	96	671725	4.99	4.77	
22 Acetone	43	8.135	8.130	0.005	98	441429	4.99	5.13	
23 Isopropyl alcohol	45	8.440	8.435	0.005	99	499131	4.99	5.04	
24 Carbon disulfide	76	8.440	8.440	0.000	100	908195	4.99	4.94	
25 Acetonitrile	41	8.659	8.660	-0.001	99	218584	4.99	5.04	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	98	379873	4.99	4.80	
27 Methylene Chloride	49	8.986	8.986	0.000	93	347471	4.99	4.95	
28 2-Methyl-2-propanol	59	9.232	9.216	0.016	99	575291	4.99	5.07	
29 Acrylonitrile	53	9.414	9.409	0.005	95	222957	4.99	4.96	M
30 trans-1,2-Dichloroethene	61	9.483	9.483	0.000	98	455572	4.99	4.80	
31 Methyl tert-butyl ether	73	9.494	9.483	0.011	97	864008	4.99	4.94	
32 Hexane	57	9.992	9.992	0.000	93	481957	4.99	4.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		9.99	9.49	
33 1,1-Dichloroethane	63	10.270	10.270	0.000	100	575800	4.99	4.77	
34 Vinyl acetate	43	10.280	10.275	0.005	100	704282	4.99	4.87	
36 2-Butanone (MEK)	72	11.265	11.260	0.005	99	160408	4.99	4.94	
37 cis-1,2-Dichloroethene	96	11.286	11.286	0.000	91	345240	4.99	4.68	
38 Ethyl acetate	88	11.334	11.334	0.000	100	28453	4.99	5.03	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	90	365927	10.0	10.0	
40 Tetrahydrofuran	42	11.736	11.730	0.006	91	339688	4.99	5.12	
41 Chloroform	83	11.880	11.880	0.000	96	683695	4.99	4.83	
42 1,1,1-Trichloroethane	97	12.180	12.180	0.000	98	675208	4.99	4.81	
43 Cyclohexane	84	12.303	12.308	-0.005	98	424745	4.99	4.86	
44 Carbon tetrachloride	117	12.452	12.453	-0.001	98	695347	4.99	4.81	
45 Benzene	78	12.811	12.811	0.000	96	993124	4.99	4.84	
46 1,2-Dichloroethane	62	12.896	12.897	-0.001	93	437796	4.99	4.82	
47 Isooctane	57	13.014	13.014	0.000	99	1560406	4.99	4.90	
48 n-Heptane	43	13.319	13.319	0.000	92	562248	4.99	4.86	
* 49 1,4-Difluorobenzene	114	13.554	13.555	-0.001	95	1776734	10.0	10.0	
50 n-Butanol	56	13.806	13.801	0.005	89	212235	4.99	5.03	
51 Trichloroethene	95	13.982	13.983	-0.001	97	452060	4.99	4.72	
53 1,2-Dichloropropane	63	14.453	14.453	0.000	92	375948	4.99	4.86	
54 Methyl methacrylate	69	14.534	14.534	0.000	98	355760	4.99	4.98	
55 1,4-Dioxane	88	14.587	14.582	0.005	94	200314	4.99	5.12	
57 Dibromomethane	174	14.614	14.614	0.000	97	395930	4.99	4.79	
58 Dichlorobromomethane	83	14.924	14.924	0.000	98	743069	4.99	4.88	
59 cis-1,3-Dichloropropene	75	15.727	15.727	-0.001	92	632861	4.99	4.87	
61 4-Methyl-2-pentanone (MIBK)	43	15.999	15.999	0.000	97	700572	4.99	4.97	
62 Toluene	92	16.363	16.363	0.000	93	710551	4.99	4.89	
A 63 Toluene Range	1	16.366	(16.294-16.438)		0	2868278	NC	NC	
64 n-Octane	43	16.593	16.593	0.000	92	787879	4.99	4.96	
A 65 C8 Range	1	16.615	(16.513-16.716)		0	3092092	NC	NC	
66 trans-1,3-Dichloropropene	75	16.791	16.791	0.000	96	502060	4.99	4.87	
67 1,1,2-Trichloroethane	83	17.171	17.171	0.000	97	365258	4.99	4.90	
68 Tetrachloroethene	166	17.347	17.348	-0.001	97	570283	4.99	4.72	
69 2-Hexanone	43	17.583	17.583	0.000	95	659954	4.99	5.00	
70 Chlorodibromomethane	129	17.904	17.904	0.000	98	743810	4.99	4.90	
71 Ethylene Dibromide	107	18.145	18.145	0.000	98	660715	4.99	4.90	
* 73 Chlorobenzene-d5	117	19.054	19.054	0.000	87	1607945	10.0	10.0	
74 Chlorobenzene	112	19.113	19.113	0.000	94	953189	4.99	4.87	
75 Ethylbenzene	91	19.300	19.300	0.000	98	1588024	4.99	4.97	
76 m-Xylene & p-Xylene	106	19.562	19.557	0.005	0	1201830	9.99	9.96	
77 n-Nonane	57	19.605	19.605	0.000	89	765063	4.99	5.03	
S 80 Xylenes, Total	106				0		15.0	14.9	
78 o-Xylene	106	20.327	20.327	0.000	99	578962	4.99	4.97	
79 Styrene	104	20.365	20.365	0.000	99	957594	4.99	5.05	
81 Bromoform	173	20.707	20.707	0.000	96	702596	4.99	4.95	
82 Isopropylbenzene	105	20.996	20.996	0.000	98	1738013	4.99	5.03	
83 1,1,2,2-Tetrachloroethane	83	21.520	21.520	0.000	98	936357	4.99	4.99	
84 1,2,3-Trichloropropane	75	21.617	21.617	0.000	99	739554	4.99	5.02	
85 N-Propylbenzene	91	21.697	21.697	0.000	99	2131026	4.99	5.13	
86 2-Chlorotoluene	91	21.841	21.847	-0.006	96	1367894	4.99	4.97	
87 4-Ethyltoluene	105	21.889	21.890	-0.001	99	1707963	4.99	5.13	
88 1,3,5-Trimethylbenzene	105	21.980	21.981	-0.001	92	1429968	4.99	5.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.996	21.997	-0.001	92	938925	4.99	5.17	
90 Alpha Methyl Styrene	118	22.301	22.302	-0.001	88	748090	4.99	5.14	
91 tert-Butylbenzene	119	22.457	22.457	0.000	94	1359601	4.99	5.05	
92 1,2,4-Trimethylbenzene	105	22.542	22.542	0.000	98	1436763	4.99	5.09	
93 sec-Butylbenzene	105	22.772	22.772	0.000	99	2089618	4.99	5.15	
94 1,3-Dichlorobenzene	146	22.949	22.949	0.000	99	977772	4.99	5.04	
95 4-Isopropyltoluene	119	22.986	22.986	0.000	97	1732296	4.99	5.17	
96 1,4-Dichlorobenzene	146	23.088	23.088	0.000	94	975187	4.99	5.04	
97 Benzyl chloride	91	23.243	23.243	0.000	98	1282625	4.99	5.25	
98 n-Butylbenzene	91	23.548	23.548	0.000	99	1655103	4.99	5.09	
99 1,2-Dichlorobenzene	146	23.596	23.596	0.000	98	925254	4.99	5.03	
100 Undecane	57	23.687	23.687	0.000	94	923296	4.99	5.05	
101 Dodecane	57	25.308	25.308	0.000	98	743678	4.99	4.44	
102 1,2,4-Trichlorobenzene	180	26.094	26.095	-0.001	94	685079	4.99	4.60	
103 Hexachlorobutadiene	225	26.340	26.341	-0.001	98	646731	4.99	4.86	
104 Naphthalene	128	26.597	26.597	0.000	99	1410375	5.94	5.30	
105 1,2,3-Trichlorobenzene	180	27.025	27.020	0.005	95	615822	4.99	4.53	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

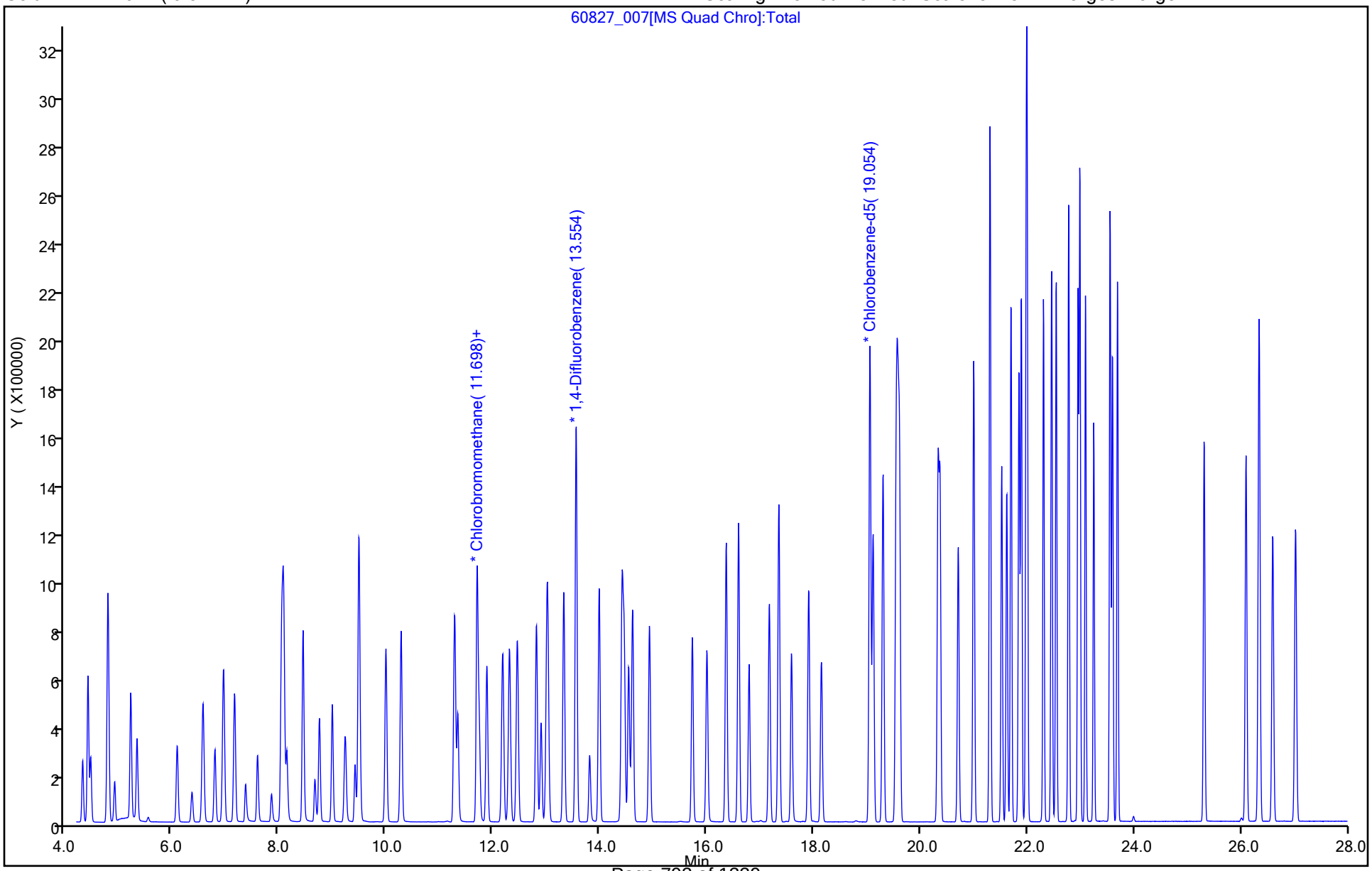
ATTO15CAL3w_00278	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

Report Date: 19-Jun-2024 16:07:59 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_007.D				
Injection Date:	18-Jun-2024 17:43:23	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

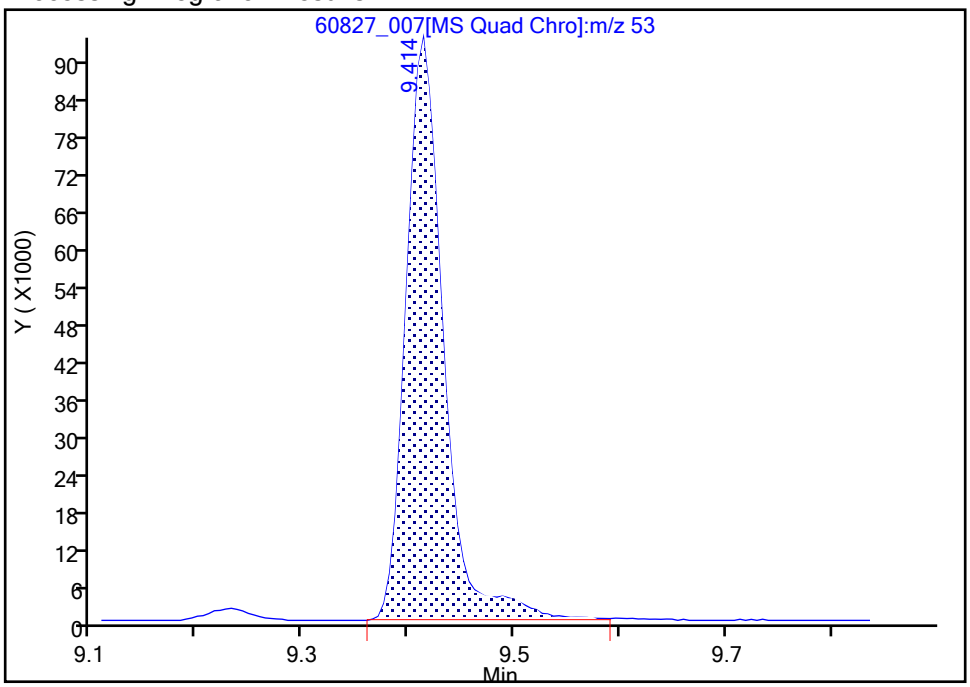
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_007.D				
Injection Date:	18-Jun-2024 17:43:23	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

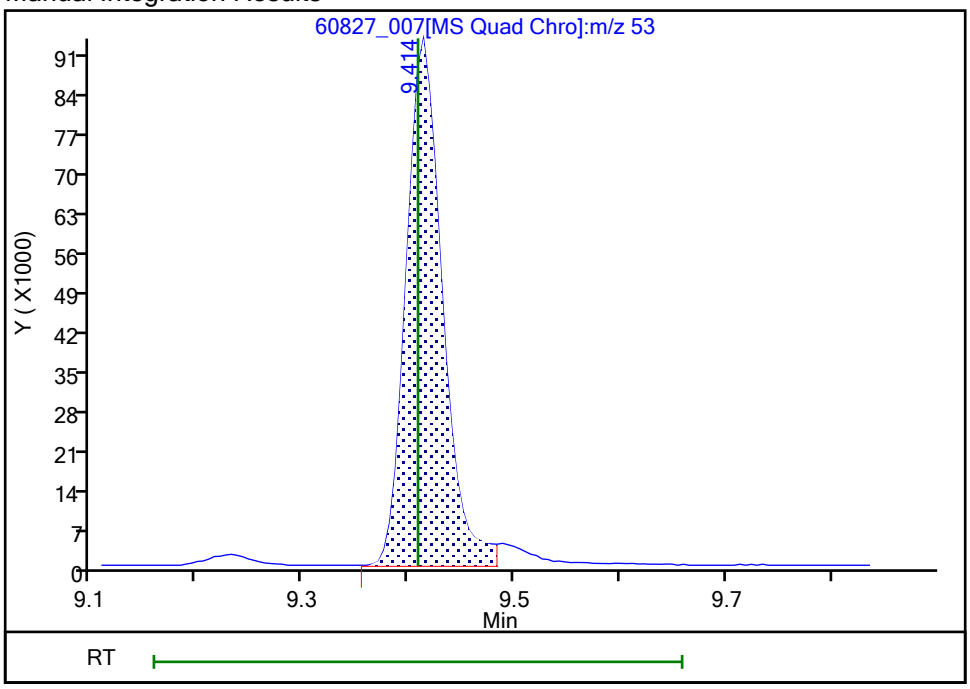
Processing Integration Results

RT: 9.41
Area: 231717
Amount: 5.349881
Amount Units: ppb v/v



Manual Integration Results

RT: 9.41
Area: 222957
Amount: 4.959243
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:37:05 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_008.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 18-Jun-2024 18:35:28 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-008
Misc. Info.: icis
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:07:52 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 10:12:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.316	4.316	0.000	97	362285	10.0	9.92	
2 Dichlorodifluoromethane	85	4.412	4.412	0.000	99	1551126	10.0	9.75	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	97	821547	10.0	9.70	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.786	0.000	97	1576507	10.0	9.56	
5 Chloromethane	50	4.915	4.915	0.000	99	444934	10.0	9.63	
7 Butane	43	5.214	5.214	0.000	98	732556	10.0	9.71	
6 Vinyl chloride	62	5.214	5.214	0.000	100	528169	10.0	8.98	
8 Butadiene	54	5.332	5.332	0.000	92	398065	10.0	8.79	
9 Bromomethane	94	6.081	6.081	0.000	99	579786	10.0	9.49	
10 Chloroethane	64	6.359	6.359	0.000	100	309621	10.0	9.70	
12 2-Methylbutane	43	6.568	6.568	0.000	92	624343	10.0	9.49	
13 Vinyl bromide	106	6.793	6.793	0.000	99	586404	10.0	9.50	
14 Trichlorofluoromethane	101	6.953	6.953	0.000	99	1618139	10.0	9.50	
15 Pentane	43	7.156	7.156	0.000	96	974046	10.0	9.69	
16 Ethanol	45	7.360	7.360	0.000	98	327212	15.0	14.7	
18 Ethyl ether	59	7.584	7.584	0.000	92	425659	10.0	9.67	
19 Acrolein	56	7.846	7.846	0.000	96	264335	10.0	9.97	
20 1,1-Dichloroethene	96	8.034	8.034	0.000	97	633073	10.0	9.34	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	96	1359479	10.0	9.53	
22 Acetone	43	8.130	8.130	0.000	98	871319	10.0	10.0	
23 Isopropyl alcohol	45	8.435	8.435	0.000	100	1009499	10.0	10.1	
24 Carbon disulfide	76	8.440	8.440	0.000	99	1822885	10.0	9.80	
25 Acetonitrile	41	8.660	8.660	0.000	98	440794	10.0	10.0	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	97	759171	10.0	9.47	
27 Methylene Chloride	49	8.986	8.986	0.000	93	691784	10.0	9.73	
28 2-Methyl-2-propanol	59	9.216	9.216	0.000	99	1152971	10.0	10.0	
29 Acrylonitrile	53	9.409	9.409	0.000	95	445068	10.0	9.78	M
30 trans-1,2-Dichloroethene	61	9.483	9.483	0.000	98	902398	10.0	9.40	
31 Methyl tert-butyl ether	73	9.483	9.483	0.000	97	1737839	10.0	9.82	
32 Hexane	57	9.992	9.992	0.000	93	957430	10.0	9.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		20.0	18.7	
33 1,1-Dichloroethane	63	10.270	10.270	0.000	100	1140065	10.0	9.34	
34 Vinyl acetate	43	10.275	10.275	0.000	100	1470626	10.0	10.0	
36 2-Butanone (MEK)	72	11.260	11.260	0.000	99	323135	10.0	9.84	
37 cis-1,2-Dichloroethene	96	11.286	11.286	0.000	92	691711	10.0	9.27	
38 Ethyl acetate	88	11.334	11.334	0.000	100	57493	10.0	10.0	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	90	370316	10.0	10.0	
40 Tetrahydrofuran	42	11.730	11.730	0.000	92	679669	10.0	10.1	
41 Chloroform	83	11.880	11.880	0.000	96	1367229	10.0	9.55	
42 1,1,1-Trichloroethane	97	12.180	12.180	0.000	98	1362378	10.0	9.58	
43 Cyclohexane	84	12.308	12.308	0.000	99	853731	10.0	9.65	
44 Carbon tetrachloride	117	12.453	12.453	0.000	98	1404838	10.0	9.59	
45 Benzene	78	12.811	12.811	0.000	96	1993340	10.0	9.60	
46 1,2-Dichloroethane	62	12.897	12.897	0.000	92	880229	10.0	9.58	
47 Isooctane	57	13.014	13.014	0.000	99	3109297	10.0	9.64	
48 n-Heptane	43	13.319	13.319	0.000	92	1118119	10.0	9.56	
* 49 1,4-Difluorobenzene	114	13.555	13.555	0.000	95	1798262	10.0	10.0	
50 n-Butanol	56	13.801	13.801	0.000	89	432378	10.0	10.1	
51 Trichloroethene	95	13.983	13.983	0.000	98	905417	10.0	9.34	
53 1,2-Dichloropropane	63	14.453	14.453	0.000	91	750777	10.0	9.59	
54 Methyl methacrylate	69	14.534	14.534	0.000	98	728299	10.0	10.1	
55 1,4-Dioxane	88	14.582	14.582	0.000	94	399108	10.0	10.1	
57 Dibromomethane	174	14.614	14.614	0.000	97	801775	10.0	9.58	
58 Dichlorobromomethane	83	14.924	14.924	0.000	98	1491302	10.0	9.69	
59 cis-1,3-Dichloropropene	75	15.727	15.727	0.000	92	1293690	10.0	9.83	
61 4-Methyl-2-pentanone (MIBK)	43	15.999	15.999	0.000	96	1401012	10.0	9.83	
62 Toluene	92	16.363	16.363	0.000	94	1428738	10.0	9.68	
A 63 Toluene Range	1	16.366	(16.294-16.438)		0	5715353	NC	NC	
64 n-Octane	43	16.593	16.593	0.000	91	1554282	10.0	9.67	
A 65 C8 Range	1	16.615	(16.513-16.716)		0	6137275	NC	NC	
66 trans-1,3-Dichloropropene	75	16.791	16.791	0.000	98	1030762	10.0	9.88	
67 1,1,2-Trichloroethane	83	17.171	17.171	0.000	97	731086	10.0	9.65	
68 Tetrachloroethene	166	17.348	17.348	0.000	97	1155569	10.0	9.41	
69 2-Hexanone	43	17.583	17.583	0.000	95	1344921	10.0	10.0	
70 Chlorodibromomethane	129	17.904	17.904	0.000	98	1532790	10.0	9.94	
71 Ethylene Dibromide	107	18.145	18.145	0.000	98	1331018	10.0	9.72	
* 73 Chlorobenzene-d5	117	19.054	19.054	0.000	86	1633171	10.0	10.0	
74 Chlorobenzene	112	19.113	19.113	0.000	94	1915280	10.0	9.64	
75 Ethylbenzene	91	19.300	19.300	0.000	98	3163034	10.0	9.74	
76 m-Xylene & p-Xylene	106	19.557	19.557	0.000	0	2385320	20.0	19.5	
77 n-Nonane	57	19.605	19.605	0.000	88	1498226	10.0	9.69	
S 80 Xylenes, Total	106				0		30.0	29.3	
78 o-Xylene	106	20.327	20.327	0.000	99	1162472	10.0	9.82	
79 Styrene	104	20.365	20.365	0.000	99	1926940	10.0	10.0	
81 Bromoform	173	20.707	20.707	0.000	96	1473013	10.0	10.2	
82 Isopropylbenzene	105	20.996	20.996	0.000	98	3453308	10.0	9.83	
83 1,1,2,2-Tetrachloroethane	83	21.520	21.520	0.000	98	1882713	10.0	9.88	
84 1,2,3-Trichloropropane	75	21.617	21.617	0.000	99	1475795	10.0	9.87	
85 N-Propylbenzene	91	21.697	21.697	0.000	99	4222651	10.0	10.0	
86 2-Chlorotoluene	91	21.847	21.847	0.000	96	2724048	10.0	9.74	
87 4-Ethyltoluene	105	21.890	21.890	0.000	98	3392172	10.0	10.0	
88 1,3,5-Trimethylbenzene	105	21.981	21.981	0.000	93	2847629	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.997	21.997	0.000	92	1865088	10.0	10.1	
90 Alpha Methyl Styrene	118	22.302	22.302	0.000	88	1537004	10.0	10.4	
91 tert-Butylbenzene	119	22.457	22.457	0.000	93	2713149	10.0	9.93	
92 1,2,4-Trimethylbenzene	105	22.542	22.542	0.000	98	2876766	10.0	10.0	
93 sec-Butylbenzene	105	22.772	22.772	0.000	98	4138279	10.0	10.0	
94 1,3-Dichlorobenzene	146	22.949	22.949	0.000	99	1967363	10.0	10.0	
95 4-Isopropyltoluene	119	22.986	22.986	0.000	97	3456775	10.0	10.1	
96 1,4-Dichlorobenzene	146	23.088	23.088	0.000	94	1971944	10.0	10.0	
97 Benzyl chloride	91	23.243	23.243	0.000	99	2676451	10.0	10.8	
98 n-Butylbenzene	91	23.548	23.548	0.000	99	3349368	10.0	10.1	
99 1,2-Dichlorobenzene	146	23.596	23.596	0.000	95	1878164	10.0	10.0	
100 Undecane	57	23.687	23.687	0.000	94	1905712	10.0	10.3	
101 Dodecane	57	25.308	25.308	0.000	98	1802616	10.0	10.6	
102 1,2,4-Trichlorobenzene	180	26.095	26.095	0.000	94	1547413	10.0	10.2	
103 Hexachlorobutadiene	225	26.341	26.341	0.000	98	1327846	10.0	9.83	
104 Naphthalene	128	26.597	26.597	0.000	99	3533347	11.9	13.1	
105 1,2,3-Trichlorobenzene	180	27.020	27.020	0.000	95	1407416	10.0	10.2	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL4w_00826	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

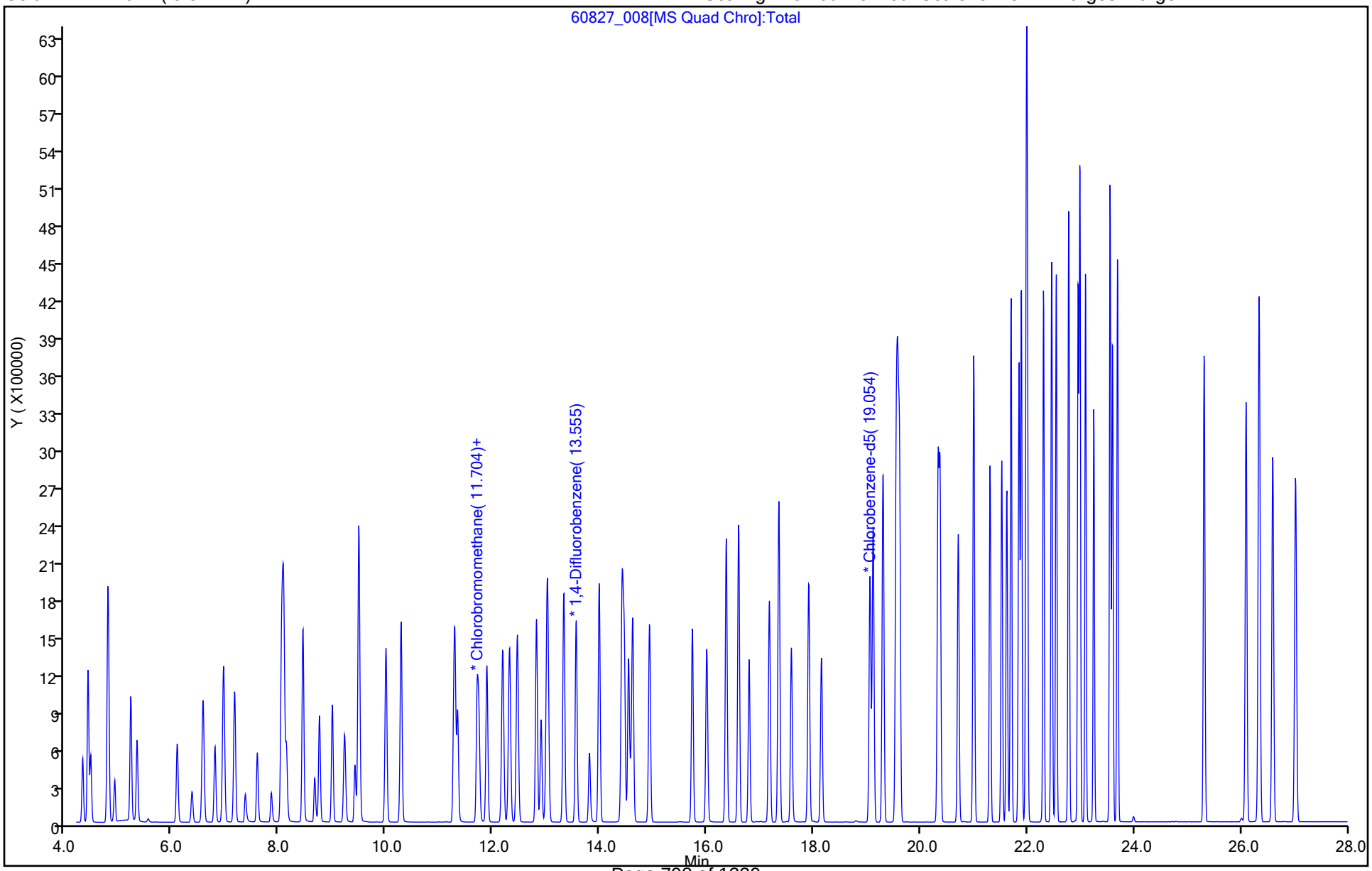
Report Date: 19-Jun-2024 16:07:53 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_008.D

Injection Date:	18-Jun-2024 18:35:28	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	icis			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

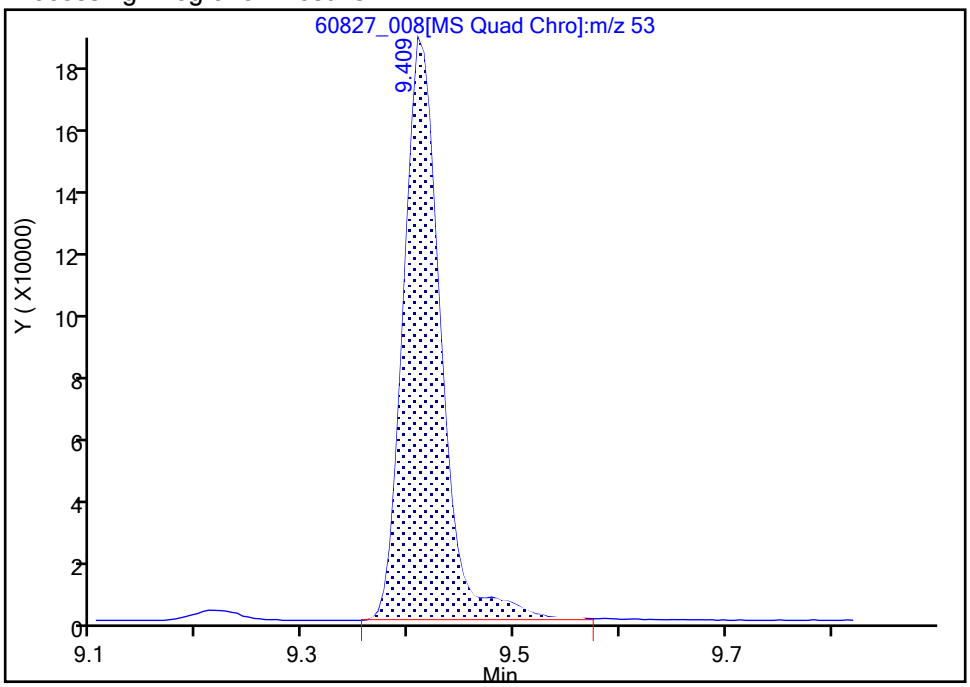
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_008.D				
Injection Date:	18-Jun-2024 18:35:28	Instrument ID:	CHAM.i		
Lims ID:	icis				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

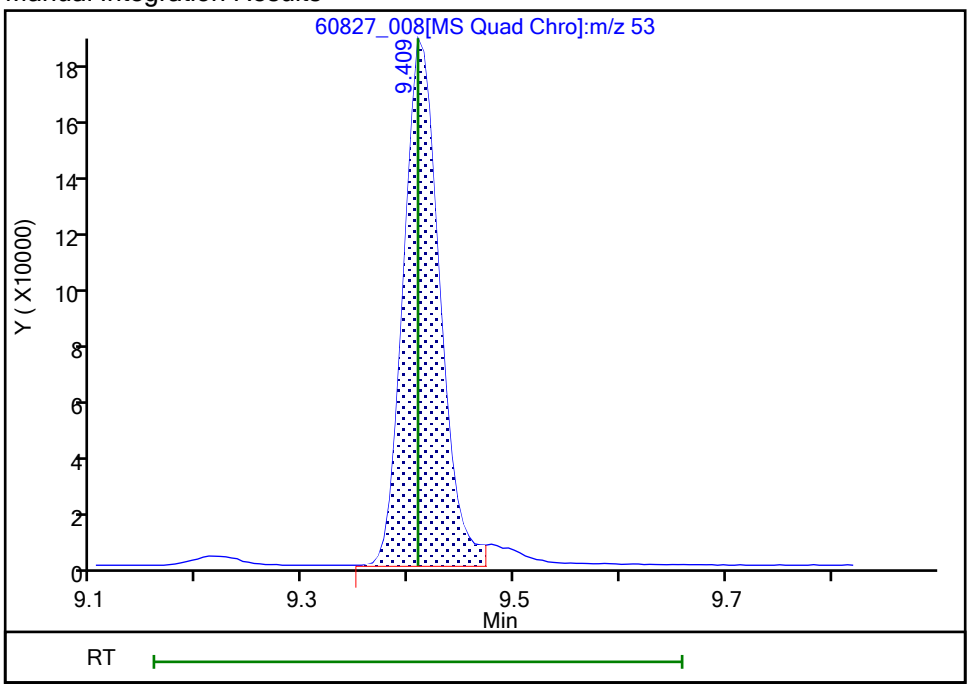
Processing Integration Results

RT: 9.41
Area: 462186
Amount: 10.485962
Amount Units: ppb v/v



Manual Integration Results

RT: 9.41
Area: 445068
Amount: 9.782337
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:09:01 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_009.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Jun-2024 19:27:56 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-009
Misc. Info.: ic6
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:08:00 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 10:42:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.316	4.316	0.000	98	558097	15.0	15.6	
2 Dichlorodifluoromethane	85	4.417	4.412	0.005	99	2343673	15.0	15.0	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	97	1239245	15.0	15.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.786	0.000	93	2386576	15.0	14.8	
5 Chloromethane	50	4.915	4.915	0.000	99	677285	15.0	15.0	
7 Butane	43	5.214	5.214	0.000	98	1072737	15.0	14.5	
6 Vinyl chloride	62	5.214	5.214	0.000	100	776940	15.0	13.5	
8 Butadiene	54	5.332	5.332	0.000	92	584121	15.0	13.2	
9 Bromomethane	94	6.086	6.081	0.005	99	877664	15.0	14.7	
10 Chloroethane	64	6.359	6.359	0.000	100	468540	15.0	15.0	
12 2-Methylbutane	43	6.568	6.568	0.000	92	944207	15.0	14.7	
13 Vinyl bromide	106	6.787	6.793	-0.006	99	886810	15.0	14.7	
14 Trichlorofluoromethane	101	6.953	6.953	0.000	99	2431649	15.0	14.6	
15 Pentane	43	7.156	7.156	0.000	96	1466680	15.0	14.9	
16 Ethanol	45	7.354	7.360	-0.006	98	447683	20.0	20.5	
18 Ethyl ether	59	7.579	7.584	-0.005	92	644980	15.0	15.0	
19 Acrolein	56	7.847	7.846	0.001	96	400548	15.0	15.4	
20 1,1-Dichloroethene	96	8.034	8.034	0.000	97	949590	15.0	14.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	96	2025589	15.0	14.5	
22 Acetone	43	8.125	8.130	-0.005	98	1296744	15.0	15.2	
23 Isopropyl alcohol	45	8.430	8.435	-0.005	100	1504487	15.0	15.3	
24 Carbon disulfide	76	8.440	8.440	0.000	99	2714655	15.0	14.9	
25 Acetonitrile	41	8.654	8.660	-0.006	99	660269	15.0	15.4	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	97	1124876	15.0	14.3	
27 Methylene Chloride	49	8.986	8.986	0.000	92	1021634	15.0	14.7	
28 2-Methyl-2-propanol	59	9.211	9.216	-0.005	99	1742709	15.0	15.5	
29 Acrylonitrile	53	9.409	9.409	0.000	95	661490	15.0	14.9	M
30 trans-1,2-Dichloroethene	61	9.484	9.483	0.001	99	1329532	15.0	14.2	
31 Methyl tert-butyl ether	73	9.484	9.483	0.001	97	2588464	15.0	14.9	
32 Hexane	57	9.992	9.992	0.000	93	1415496	15.0	14.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		30.0	28.3	
33 1,1-Dichloroethane	63	10.270	10.270	0.000	100	1678392	15.0	14.0	
34 Vinyl acetate	43	10.275	10.275	0.000	100	2218721	15.0	15.5	
36 2-Butanone (MEK)	72	11.260	11.260	0.000	99	483625	15.0	15.0	
37 cis-1,2-Dichloroethene	96	11.286	11.286	0.000	92	1032327	15.0	14.1	
38 Ethyl acetate	88	11.335	11.334	0.001	100	86460	15.0	15.4	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	90	362563	10.0	10.0	
40 Tetrahydrofuran	42	11.730	11.730	0.000	91	1009389	15.0	15.3	
41 Chloroform	83	11.880	11.880	0.000	97	2020603	15.0	14.4	
42 1,1,1-Trichloroethane	97	12.180	12.180	0.000	98	2032522	15.0	14.5	
43 Cyclohexane	84	12.303	12.308	-0.005	98	1274672	15.0	14.6	
44 Carbon tetrachloride	117	12.453	12.453	0.000	98	2111968	15.0	14.6	
45 Benzene	78	12.811	12.811	0.000	96	2949718	15.0	14.4	
46 1,2-Dichloroethane	62	12.897	12.897	0.000	93	1306330	15.0	14.4	
47 Isooctane	57	13.014	13.014	0.000	99	4597260	15.0	14.5	
48 n-Heptane	43	13.319	13.319	0.000	92	1659562	15.0	14.4	
* 49 1,4-Difluorobenzene	114	13.555	13.555	0.000	95	1771783	10.0	10.0	
50 n-Butanol	56	13.801	13.801	0.000	88	655777	15.0	15.6	
51 Trichloroethene	95	13.983	13.983	0.000	98	1353950	15.0	14.2	
53 1,2-Dichloropropane	63	14.454	14.453	0.001	91	1115547	15.0	14.5	
54 Methyl methacrylate	69	14.534	14.534	0.000	99	1086873	15.0	15.3	
55 1,4-Dioxane	88	14.577	14.582	-0.005	94	587168	15.0	15.0	
57 Dibromomethane	174	14.614	14.614	0.000	97	1191600	15.0	14.5	
58 Dichlorobromomethane	83	14.924	14.924	0.000	98	2217677	15.0	14.6	
59 cis-1,3-Dichloropropene	75	15.727	15.727	0.000	92	1938063	15.0	14.9	
61 4-Methyl-2-pentanone (MIBK)	43	15.994	15.999	-0.005	96	2115903	15.0	15.1	
62 Toluene	92	16.363	16.363	0.000	94	2117561	15.0	14.7	
A 63 Toluene Range	1	16.366	(16.294-16.438)		0	8455225	NC	NC	
64 n-Octane	43	16.593	16.593	0.000	91	2287472	15.0	14.4	
A 65 C8 Range	1	16.615	(16.513-16.716)		0	9054118	NC	NC	
66 trans-1,3-Dichloropropene	75	16.791	16.791	0.000	96	1547417	15.0	15.1	
67 1,1,2-Trichloroethane	83	17.171	17.171	0.000	97	1092198	15.0	14.7	
68 Tetrachloroethene	166	17.348	17.348	0.000	96	1713468	15.0	14.3	
69 2-Hexanone	43	17.578	17.583	-0.005	95	2024634	15.0	15.4	
70 Chlorodibromomethane	129	17.904	17.904	0.000	98	2287896	15.0	15.2	
71 Ethylene Dibromide	107	18.145	18.145	0.000	99	1987815	15.0	14.8	
* 73 Chlorobenzene-d5	117	19.054	19.054	0.000	86	1598373	10.0	10.0	
74 Chlorobenzene	112	19.113	19.113	0.000	94	2831884	15.0	14.6	
75 Ethylbenzene	91	19.300	19.300	0.000	98	4663246	15.0	14.7	
76 m-Xylene & p-Xylene	106	19.563	19.557	0.006	0	3521465	30.0	29.4	
77 n-Nonane	57	19.605	19.605	0.000	88	2199815	15.0	14.5	
S 80 Xylenes, Total	106				0		45.0	44.2	
78 o-Xylene	106	20.328	20.327	0.001	99	1719348	15.0	14.8	
79 Styrene	104	20.365	20.365	0.000	100	2844568	15.0	15.1	
81 Bromoform	173	20.707	20.707	0.000	96	2212114	15.0	15.7	
82 Isopropylbenzene	105	20.996	20.996	0.000	98	5080481	15.0	14.8	
83 1,1,2,2-Tetrachloroethane	83	21.521	21.520	0.001	98	2801216	15.0	15.0	
84 1,2,3-Trichloropropane	75	21.617	21.617	0.000	99	2201031	15.0	15.0	
85 N-Propylbenzene	91	21.697	21.697	0.000	99	6159327	15.0	14.9	
86 2-Chlorotoluene	91	21.847	21.847	0.000	96	4017590	15.0	14.7	
87 4-Ethyltoluene	105	21.890	21.890	0.000	98	4998650	15.0	15.1	
88 1,3,5-Trimethylbenzene	105	21.981	21.981	0.000	93	4206995	15.0	15.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.997	21.997	0.000	92	2753656	15.0	15.2	
90 Alpha Methyl Styrene	118	22.302	22.302	0.000	88	2307003	15.0	15.9	
91 tert-Butylbenzene	119	22.457	22.457	0.000	92	4017792	15.0	15.0	
92 1,2,4-Trimethylbenzene	105	22.542	22.542	0.000	98	4251046	15.0	15.2	
93 sec-Butylbenzene	105	22.772	22.772	0.000	98	6080749	15.0	15.1	
94 1,3-Dichlorobenzene	146	22.949	22.949	0.000	99	2916607	15.0	15.1	
95 4-Isopropyltoluene	119	22.986	22.986	0.000	97	5077205	15.0	15.2	
96 1,4-Dichlorobenzene	146	23.088	23.088	0.000	93	2930522	15.0	15.2	
97 Benzyl chloride	91	23.243	23.243	0.000	99	4021142	15.0	16.5	
98 n-Butylbenzene	91	23.548	23.548	0.000	99	4975718	15.0	15.4	
99 1,2-Dichlorobenzene	146	23.596	23.596	0.000	95	2793641	15.0	15.3	
100 Undecane	57	23.687	23.687	0.000	94	2898576	15.0	15.9	
101 Dodecane	57	25.308	25.308	0.000	98	2781203	15.0	16.7	
102 1,2,4-Trichlorobenzene	180	26.095	26.095	0.000	94	2437199	15.0	16.4	
103 Hexachlorobutadiene	225	26.341	26.341	0.000	98	2033416	15.0	15.4	
104 Naphthalene	128	26.598	26.597	0.001	99	5529899	17.8	20.9	
105 1,2,3-Trichlorobenzene	180	27.020	27.020	0.000	95	2194753	15.0	16.3	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL5w_00146	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

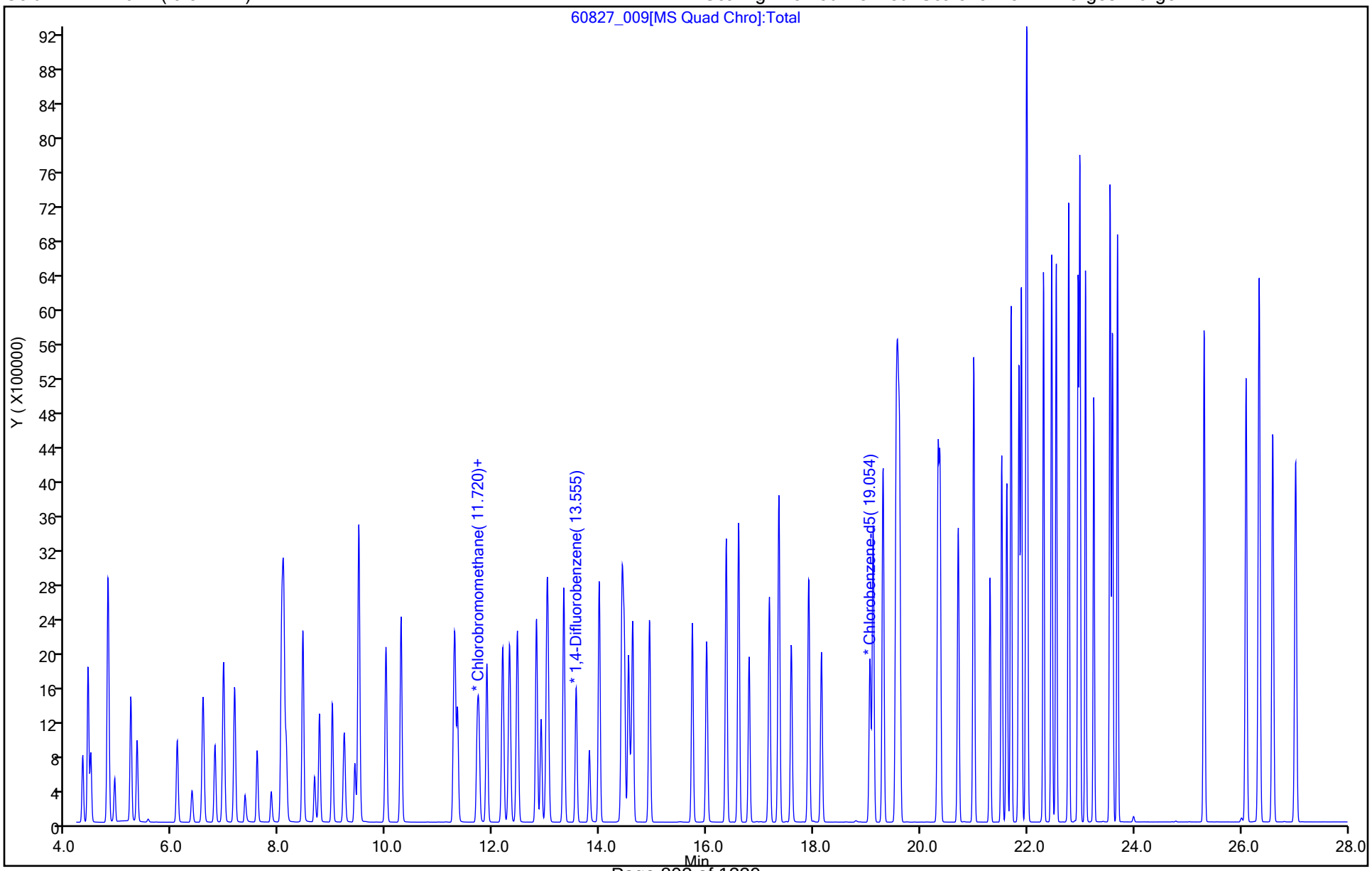
Report Date: 19-Jun-2024 16:08:01 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_009.D

Injection Date:	18-Jun-2024 19:27:56	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

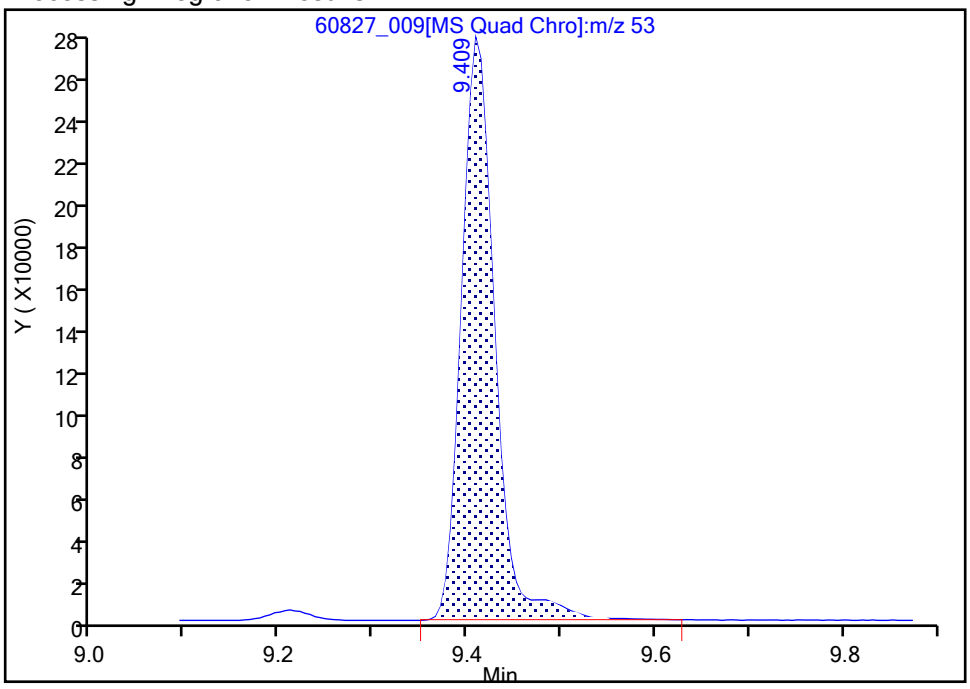
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_009.D				
Injection Date:	18-Jun-2024 19:27:56	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

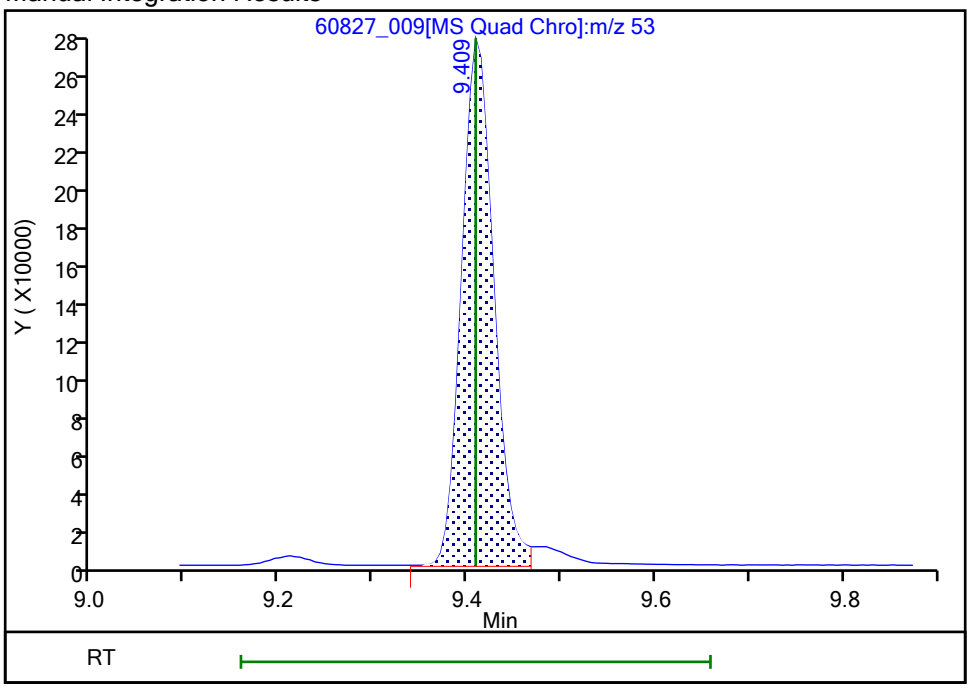
Processing Integration Results

RT: 9.41
Area: 689139
Amount: 16.151938
Amount Units: ppb v/v



Manual Integration Results

RT: 9.41
Area: 661490
Amount: 14.850070
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:42:07 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_012.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Jun-2024 22:04:13 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-012
Misc. Info.: ic7
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:08:02 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 10:44:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.316	4.316	0.000	97	723619	20.0	19.4	
2 Dichlorodifluoromethane	85	4.412	4.412	0.000	99	3108166	20.0	19.2	
3 Chlorodifluoromethane	51	4.466	4.465	0.001	97	1640162	20.0	19.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.787	4.786	0.000	97	3172461	20.0	18.9	
5 Chloromethane	50	4.915	4.915	0.000	99	890571	20.0	18.9	
7 Butane	43	5.214	5.214	0.000	98	1471308	20.0	19.1	
6 Vinyl chloride	62	5.214	5.214	0.000	100	1057815	20.0	17.6	
8 Butadiene	54	5.332	5.332	0.000	92	804486	20.0	17.4	
9 Bromomethane	94	6.087	6.081	0.005	99	1165849	20.0	18.7	
10 Chloroethane	64	6.359	6.359	0.000	100	621451	20.0	19.1	
12 2-Methylbutane	43	6.568	6.568	0.000	91	1248987	20.0	18.6	
13 Vinyl bromide	106	6.793	6.793	0.000	99	1186550	20.0	18.9	
14 Trichlorofluoromethane	101	6.953	6.953	0.000	99	3272103	20.0	18.8	
15 Pentane	43	7.156	7.156	0.000	96	1959453	20.0	19.1	
16 Ethanol	45	7.349	7.360	-0.011	98	888759	40.0	39.1	
18 Ethyl ether	59	7.579	7.584	-0.005	92	862210	20.0	19.2	
19 Acrolein	56	7.841	7.846	-0.005	96	539645	20.0	20.0	
20 1,1-Dichloroethene	96	8.034	8.034	0.000	97	1275490	20.0	18.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	96	2714041	20.0	18.7	
22 Acetone	43	8.125	8.130	-0.005	97	1772051	20.0	20.0	
23 Isopropyl alcohol	45	8.424	8.435	-0.011	100	2092259	20.0	20.5	
24 Carbon disulfide	76	8.440	8.440	0.000	100	3650653	20.0	19.2	
25 Acetonitrile	41	8.654	8.660	-0.006	99	887968	20.0	19.8	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	97	1524707	20.0	18.7	
27 Methylene Chloride	49	8.986	8.986	0.000	92	1379423	20.0	19.0	
28 2-Methyl-2-propanol	59	9.205	9.216	-0.011	99	2302289	20.0	19.7	
29 Acrylonitrile	53	9.409	9.409	0.000	94	897148	20.0	19.3	M
30 trans-1,2-Dichloroethene	61	9.484	9.483	0.001	95	1788400	20.0	18.3	
31 Methyl tert-butyl ether	73	9.478	9.483	-0.005	97	3480350	20.0	19.3	
32 Hexane	57	9.992	9.992	0.000	93	1911972	20.0	18.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		40.0	36.5	
33 1,1-Dichloroethane	63	10.270	10.270	0.000	100	2254390	20.0	18.1	
34 Vinyl acetate	43	10.275	10.275	0.000	100	3030899	20.0	20.3	
36 2-Butanone (MEK)	72	11.260	11.260	0.000	99	650052	20.0	19.4	
37 cis-1,2-Dichloroethene	96	11.286	11.286	0.000	92	1384569	20.0	18.2	
38 Ethyl acetate	88	11.335	11.334	0.001	100	115855	20.0	19.8	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	90	377550	10.0	10.0	
40 Tetrahydrofuran	42	11.731	11.730	0.001	91	1362726	20.0	19.8	
41 Chloroform	83	11.880	11.880	0.000	97	2722017	20.0	18.6	
42 1,1,1-Trichloroethane	97	12.180	12.180	0.000	98	2738102	20.0	18.8	
43 Cyclohexane	84	12.308	12.308	0.000	98	1717470	20.0	18.9	
44 Carbon tetrachloride	117	12.453	12.453	0.000	98	2847299	20.0	19.0	
45 Benzene	78	12.811	12.811	0.000	96	3954919	20.0	18.6	
46 1,2-Dichloroethane	62	12.897	12.897	0.000	93	1758621	20.0	18.7	
47 Isooctane	57	13.014	13.014	0.000	99	6143222	20.0	18.6	
48 n-Heptane	43	13.325	13.319	0.006	92	2225137	20.0	18.6	
* 49 1,4-Difluorobenzene	114	13.555	13.555	0.000	95	1843407	10.0	10.0	
50 n-Butanol	56	13.801	13.801	0.000	88	862612	20.0	19.7	
51 Trichloroethene	95	13.983	13.983	0.000	97	1820381	20.0	18.3	
53 1,2-Dichloropropane	63	14.454	14.453	0.001	92	1498560	20.0	18.7	
54 Methyl methacrylate	69	14.534	14.534	0.000	99	1462315	20.0	19.7	
55 1,4-Dioxane	88	14.577	14.582	-0.005	93	759266	20.0	18.7	
57 Dibromomethane	174	14.614	14.614	0.000	97	1593519	20.0	18.6	
58 Dichlorobromomethane	83	14.924	14.924	0.000	98	2987095	20.0	18.9	
59 cis-1,3-Dichloropropene	75	15.727	15.727	0.000	92	2620837	20.0	19.4	
61 4-Methyl-2-pentanone (MIBK)	43	15.994	15.999	-0.005	96	2871898	20.0	19.7	
62 Toluene	92	16.363	16.363	0.000	94	2821216	20.0	18.5	
A 63 Toluene Range	1	16.366	(16.294-16.438)		0	11280930	NC	NC	
64 n-Octane	43	16.593	16.593	0.000	91	3060275	20.0	18.6	
A 65 C8 Range	1	16.615	(16.513-16.716)		0	12126438	NC	NC	
66 trans-1,3-Dichloropropene	75	16.791	16.791	0.000	96	2095487	20.0	19.6	
67 1,1,2-Trichloroethane	83	17.171	17.171	0.000	97	1464033	20.0	18.7	
68 Tetrachloroethene	166	17.348	17.348	0.000	97	2278709	20.0	18.0	
69 2-Hexanone	43	17.578	17.583	-0.005	95	2730402	20.0	19.7	
70 Chlorodibromomethane	129	17.910	17.904	0.006	98	3076167	20.0	19.3	
71 Ethylene Dibromide	107	18.145	18.145	0.000	98	2669356	20.0	18.9	
* 73 Chlorobenzene-d5	117	19.054	19.054	0.000	88	1686004	10.0	10.0	
74 Chlorobenzene	112	19.113	19.113	0.000	94	3784397	20.0	18.5	
75 Ethylbenzene	91	19.300	19.300	0.000	98	6179964	20.0	18.4	
76 m-Xylene & p-Xylene	106	19.557	19.557	0.000	0	4676768	40.0	37.0	
77 n-Nonane	57	19.605	19.605	0.000	88	2935215	20.0	18.4	
S 80 Xylenes, Total	106				0		60.0	55.7	
78 o-Xylene	106	20.333	20.327	0.006	99	2287197	20.0	18.7	
79 Styrene	104	20.365	20.365	0.000	99	3780323	20.0	19.0	
81 Bromoform	173	20.707	20.707	0.000	96	2959482	20.0	19.9	
82 Isopropylbenzene	105	20.996	20.996	0.000	98	6736831	20.0	18.6	
83 1,1,2,2-Tetrachloroethane	83	21.521	21.520	0.001	98	3728371	20.0	18.9	
84 1,2,3-Trichloropropane	75	21.617	21.617	0.000	99	2944968	20.0	19.1	
85 N-Propylbenzene	91	21.697	21.697	0.000	99	8078356	20.0	18.5	
86 2-Chlorotoluene	91	21.847	21.847	0.000	97	5297067	20.0	18.3	
87 4-Ethyltoluene	105	21.890	21.890	0.000	97	6547713	20.0	18.7	
88 1,3,5-Trimethylbenzene	105	21.981	21.981	0.000	93	5508171	20.0	18.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.997	21.997	0.000	93	3642994	20.0	19.1	
90 Alpha Methyl Styrene	118	22.302	22.302	0.000	88	3059149	20.0	20.0	
91 tert-Butylbenzene	119	22.457	22.457	0.000	95	5297179	20.0	18.8	
92 1,2,4-Trimethylbenzene	105	22.542	22.542	0.000	98	5592770	20.0	18.9	
93 sec-Butylbenzene	105	22.772	22.772	0.000	98	7912602	20.0	18.6	
94 1,3-Dichlorobenzene	146	22.954	22.949	0.005	99	3879262	20.0	19.1	
95 4-Isopropyltoluene	119	22.986	22.986	0.000	96	6647693	20.0	18.9	
96 1,4-Dichlorobenzene	146	23.088	23.088	0.000	93	3864220	20.0	19.0	
97 Benzyl chloride	91	23.243	23.243	0.000	99	5321080	20.0	20.8	
98 n-Butylbenzene	91	23.548	23.548	0.000	99	6516638	20.0	19.1	
99 1,2-Dichlorobenzene	146	23.596	23.596	0.000	95	3688832	20.0	19.1	
100 Undecane	57	23.687	23.687	0.000	94	3836923	20.0	20.0	
101 Dodecane	57	25.314	25.308	0.006	98	3677997	20.0	21.0	
102 1,2,4-Trichlorobenzene	180	26.095	26.095	0.000	94	3195938	20.0	20.4	
103 Hexachlorobutadiene	225	26.341	26.341	0.000	98	2678622	20.0	19.2	
104 Naphthalene	128	26.598	26.597	0.001	99	7255764	23.8	26.0	
105 1,2,3-Trichlorobenzene	180	27.026	27.020	0.006	95	2867510	20.0	20.1	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL6w_00235	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

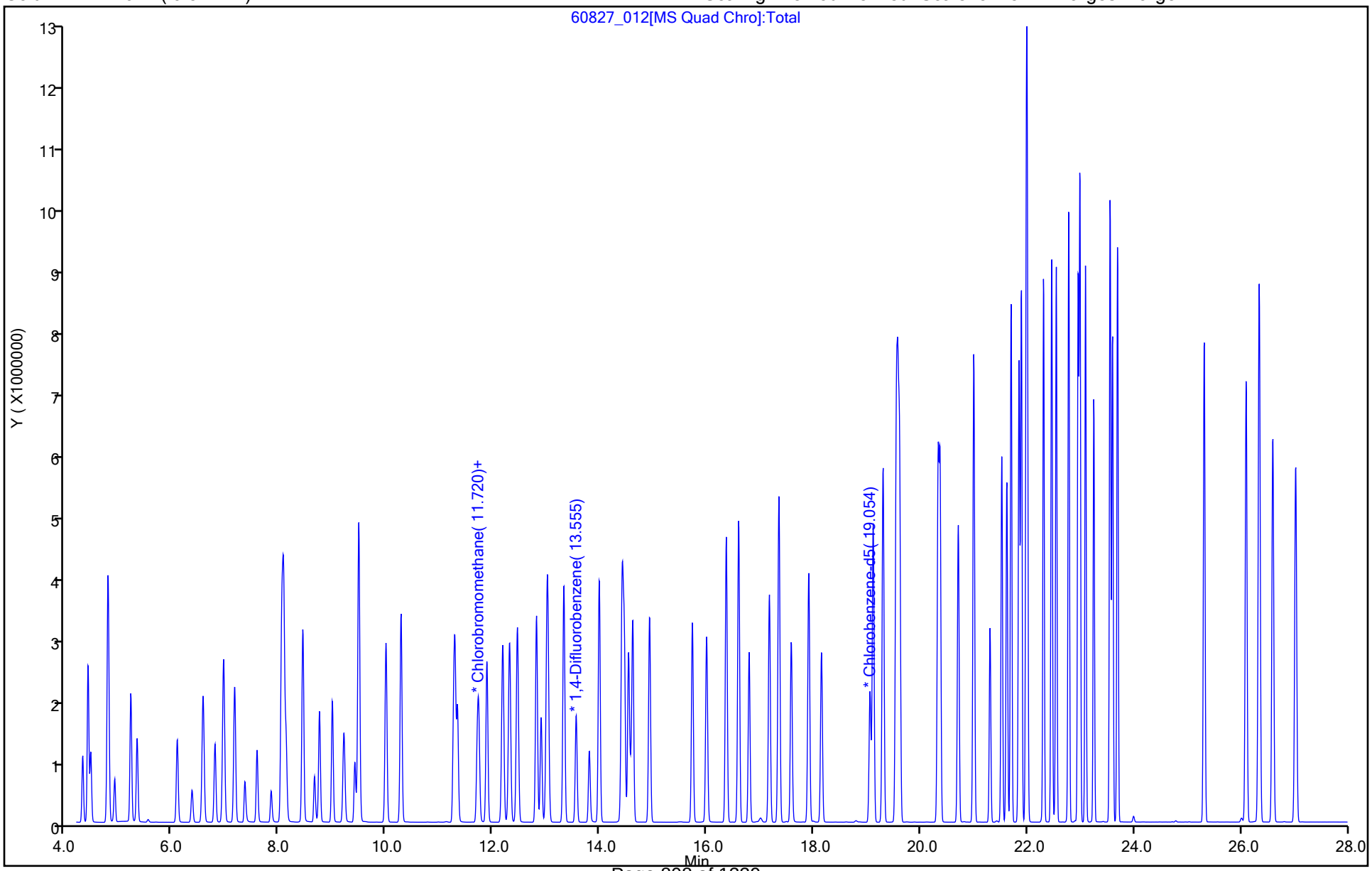
Report Date: 19-Jun-2024 16:08:02 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_012.D

Injection Date:	18-Jun-2024 22:04:13	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	12
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

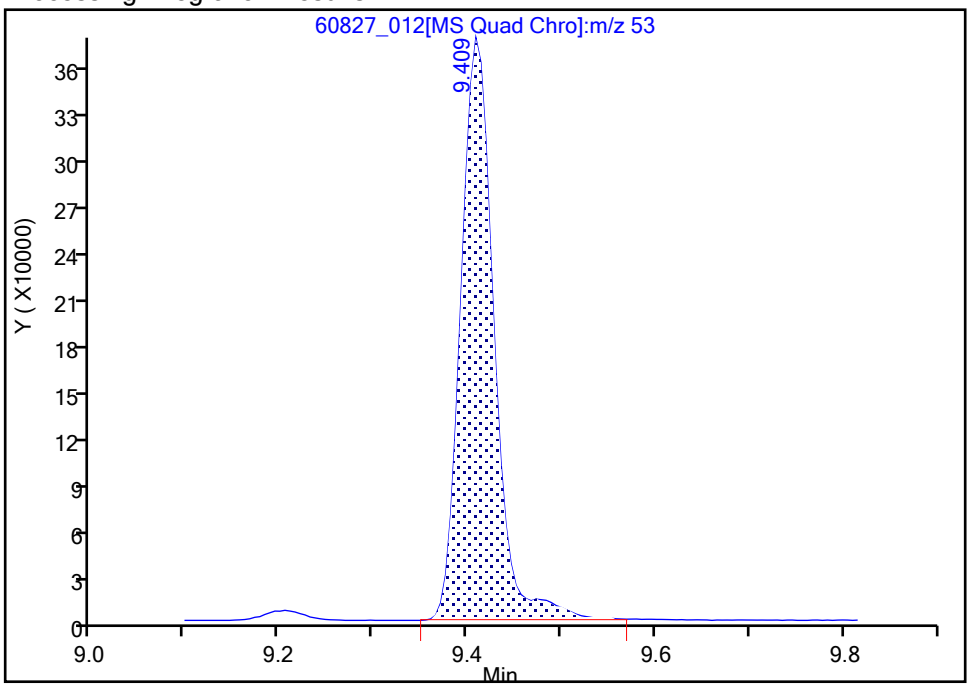
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_012.D				
Injection Date:	18-Jun-2024 22:04:13	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

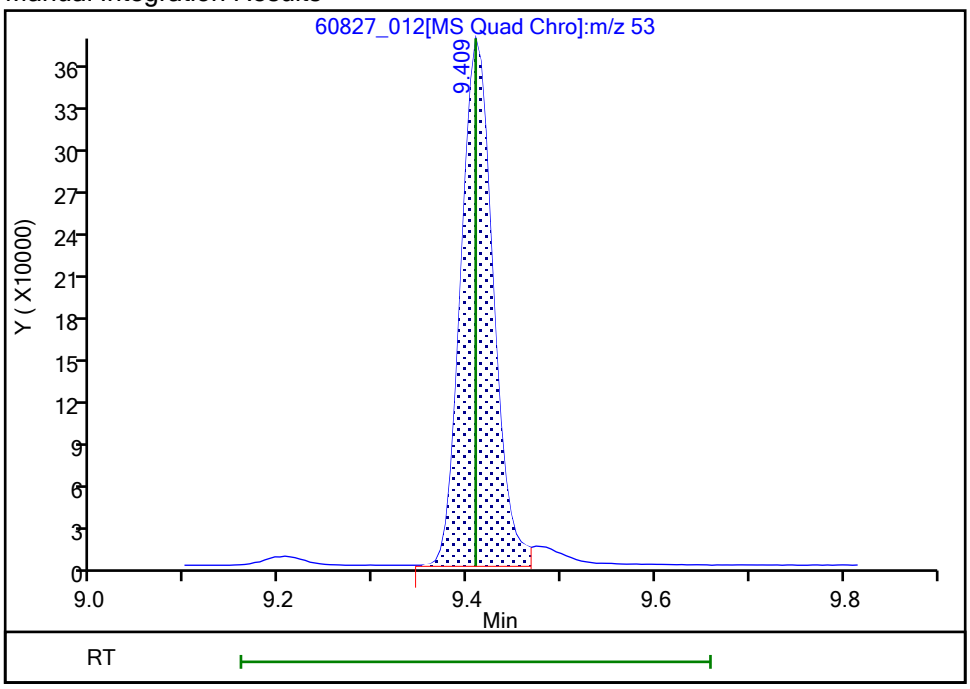
Processing Integration Results

RT: 9.41
Area: 929722
Amount: 21.055616
Amount Units: ppb v/v



Manual Integration Results

RT: 9.41
Area: 897148
Amount: 19.340974
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:43:53 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-Jun-2024 22:56:27 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-013
Misc. Info.: ic7
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:08:04 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 11:05:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.316	4.316	0.000	98	1514227	40.0	40.7	
2 Dichlorodifluoromethane	85	4.412	4.412	0.000	99	6165835	40.0	38.1	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	97	3332283	40.0	38.7	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.786	0.000	98	6329795	40.0	37.7	
5 Chloromethane	50	4.915	4.915	0.000	99	1833175	40.0	39.0	
7 Butane	43	5.214	5.214	0.000	97	2739123	40.0	35.7	
6 Vinyl chloride	62	5.214	5.214	0.000	100	1983612	40.0	33.2	
8 Butadiene	54	5.332	5.332	0.000	92	1495803	40.0	32.5	
9 Bromomethane	94	6.081	6.081	0.000	99	2345300	40.0	37.7	
10 Chloroethane	64	6.359	6.359	0.000	100	1265850	40.0	39.0	
12 2-Methylbutane	43	6.568	6.568	0.000	92	2527306	40.0	37.7	
13 Vinyl bromide	106	6.787	6.793	-0.006	98	2361483	40.0	37.6	
14 Trichlorofluoromethane	101	6.953	6.953	0.000	99	6359240	40.0	36.7	
15 Pentane	43	7.156	7.156	0.000	95	3875322	40.0	37.9	
16 Ethanol	45	7.349	7.360	-0.011	98	2278218	100.0	100.4	
18 Ethyl ether	59	7.574	7.584	-0.010	92	1708017	40.0	38.1	
19 Acrolein	56	7.841	7.846	-0.005	96	1063288	40.0	39.4	
20 1,1-Dichloroethene	96	8.034	8.034	0.000	98	2471989	40.0	35.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	97	5189950	40.0	35.8	
22 Acetone	43	8.119	8.130	-0.011	97	3406981	40.0	38.4	
23 Isopropyl alcohol	45	8.424	8.435	-0.011	100	3811929	40.0	37.4	
24 Carbon disulfide	76	8.440	8.440	0.000	99	6914404	40.0	36.5	
25 Acetonitrile	41	8.649	8.660	-0.011	99	1735714	40.0	38.9	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	97	2923694	40.0	35.9	
27 Methylene Chloride	49	8.986	8.986	0.000	92	2640417	40.0	36.5	
28 2-Methyl-2-propanol	59	9.195	9.216	-0.021	100	4482999	40.0	38.4	
29 Acrylonitrile	53	9.409	9.409	0.000	94	1736007	40.0	37.5	M
30 trans-1,2-Dichloroethene	61	9.483	9.483	0.000	98	3349153	40.0	34.3	
31 Methyl tert-butyl ether	73	9.478	9.483	-0.005	97	6577905	40.0	36.5	
32 Hexane	57	9.992	9.992	0.000	93	3629087	40.0	35.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		80.0	69.2	
33 1,1-Dichloroethane	63	10.270	10.270	0.000	100	4218726	40.0	34.0	
34 Vinyl acetate	43	10.275	10.275	0.000	99	5788291	40.0	38.9	
36 2-Butanone (MEK)	72	11.254	11.260	-0.006	98	1254355	40.0	37.5	
37 cis-1,2-Dichloroethene	96	11.286	11.286	0.000	94	2653261	40.0	34.9	
38 Ethyl acetate	88	11.329	11.334	-0.005	99	226062	40.0	38.8	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	89	376759	10.0	10.0	
40 Tetrahydrofuran	42	11.725	11.730	-0.005	91	2605295	40.0	38.1	
41 Chloroform	83	11.880	11.880	0.000	95	5201424	40.0	35.7	
42 1,1,1-Trichloroethane	97	12.180	12.180	0.000	98	5264113	40.0	36.3	
43 Cyclohexane	84	12.308	12.308	0.000	98	3328155	40.0	36.9	
44 Carbon tetrachloride	117	12.453	12.453	0.000	98	5496205	40.0	36.8	
45 Benzene	78	12.811	12.811	0.000	97	7499897	40.0	35.4	
46 1,2-Dichloroethane	62	12.897	12.897	0.000	93	3381895	40.0	36.1	
47 Isooctane	57	13.014	13.014	0.000	98	11476768	40.0	34.9	
48 n-Heptane	43	13.325	13.319	0.006	91	4218468	40.0	35.3	
* 49 1,4-Difluorobenzene	114	13.555	13.555	0.000	94	1834971	10.0	10.0	
50 n-Butanol	56	13.795	13.801	-0.006	89	1668914	40.0	38.3	
51 Trichloroethene	95	13.983	13.983	0.000	98	3480974	40.0	35.2	
53 1,2-Dichloropropane	63	14.453	14.453	0.000	91	2862055	40.0	35.8	
54 Methyl methacrylate	69	14.534	14.534	0.000	99	2808266	40.0	38.1	
55 1,4-Dioxane	88	14.571	14.582	-0.011	94	1429437	40.0	35.3	
57 Dibromomethane	174	14.614	14.614	0.000	97	3052968	40.0	35.8	
58 Dichlorobromomethane	83	14.924	14.924	0.000	99	5701006	40.0	36.3	
59 cis-1,3-Dichloropropene	75	15.727	15.727	0.000	92	5062015	40.0	37.7	
61 4-Methyl-2-pentanone (MIBK)	43	15.994	15.999	-0.005	96	5492714	40.0	37.8	
62 Toluene	92	16.363	16.363	0.000	94	5353825	40.0	35.1	
A 63 Toluene Range	1	16.366	(16.294-16.438)		0	21333955	NC	NC	
64 n-Octane	43	16.593	16.593	0.000	90	5694380	40.0	34.7	
A 65 C8 Range	1	16.615	(16.513-16.716)		0	22923122	NC	NC	
66 trans-1,3-Dichloropropene	75	16.791	16.791	0.000	97	4085314	40.0	38.4	
67 1,1,2-Trichloroethane	83	17.171	17.171	0.000	97	2811208	40.0	35.9	
68 Tetrachloroethene	166	17.348	17.348	0.000	96	4368753	40.0	34.4	
69 2-Hexanone	43	17.578	17.583	-0.005	96	5253365	40.0	38.0	
70 Chlorodibromomethane	129	17.909	17.904	0.005	98	5863638	40.0	36.8	
71 Ethylene Dibromide	107	18.145	18.145	0.000	99	5089219	40.0	36.0	
* 73 Chlorobenzene-d5	117	19.054	19.054	0.000	88	1686925	10.0	10.0	
74 Chlorobenzene	112	19.113	19.113	0.000	93	7156986	40.0	34.9	
75 Ethylbenzene	91	19.300	19.300	0.000	98	11338689	40.0	33.8	
76 m-Xylene & p-Xylene	106	19.562	19.557	0.005	0	8658654	80.0	68.4	
77 n-Nonane	57	19.611	19.605	0.006	87	5459403	40.0	34.2	
S 80 Xylenes, Total	106				0		120.0	103.7	
78 o-Xylene	106	20.333	20.327	0.006	99	4320565	40.0	35.3	
79 Styrene	104	20.365	20.365	0.000	100	7081251	40.0	35.6	
81 Bromoform	173	20.707	20.707	0.000	95	5560002	40.0	37.3	
82 Isopropylbenzene	105	21.002	20.996	0.006	97	12102329	40.0	33.4	
83 1,1,2,2-Tetrachloroethane	83	21.520	21.520	0.000	99	6923918	40.0	35.2	
84 1,2,3-Trichloropropane	75	21.617	21.617	0.000	98	5549678	40.0	35.9	
85 N-Propylbenzene	91	21.697	21.697	0.000	98	14004175	40.0	32.1	
86 2-Chlorotoluene	91	21.847	21.847	0.000	97	9853755	40.0	34.1	
87 4-Ethyltoluene	105	21.890	21.890	0.000	97	11598408	40.0	33.2	
88 1,3,5-Trimethylbenzene	105	21.981	21.981	0.000	95	9657270	40.0	32.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	22.002	21.997	0.005	93	6429522	40.0	33.7	
90 Alpha Methyl Styrene	118	22.307	22.302	0.005	86	5669677	40.0	37.1	
91 tert-Butylbenzene	119	22.457	22.457	0.000	92	9522756	40.0	33.7	
92 1,2,4-Trimethylbenzene	105	22.542	22.542	0.000	98	9990777	40.0	33.7	
93 sec-Butylbenzene	105	22.778	22.772	0.006	96	13485847	40.0	31.7	
94 1,3-Dichlorobenzene	146	22.954	22.949	0.005	99	6983869	40.0	34.3	
95 4-Isopropyltoluene	119	22.986	22.986	0.000	95	11489820	40.0	32.7	
96 1,4-Dichlorobenzene	146	23.093	23.088	0.005	94	7077326	40.0	34.8	
97 Benzyl chloride	91	23.243	23.243	0.000	99	9782948	40.0	38.1	
98 n-Butylbenzene	91	23.548	23.548	0.000	98	11289163	40.0	33.1	
99 1,2-Dichlorobenzene	146	23.596	23.596	0.000	93	6757080	40.0	35.0	
100 Undecane	57	23.687	23.687	0.000	93	6888040	40.0	35.9	
101 Dodecane	57	25.313	25.308	0.005	97	6221621	40.0	35.4	
102 1,2,4-Trichlorobenzene	180	26.094	26.095	-0.001	95	5795645	40.0	37.1	
103 Hexachlorobutadiene	225	26.346	26.341	0.005	99	4934785	40.0	35.4	
104 Naphthalene	128	26.597	26.597	0.000	98	12142595	47.6	43.5	
105 1,2,3-Trichlorobenzene	180	27.025	27.020	0.005	95	5192806	40.0	36.4	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL7w_00146	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

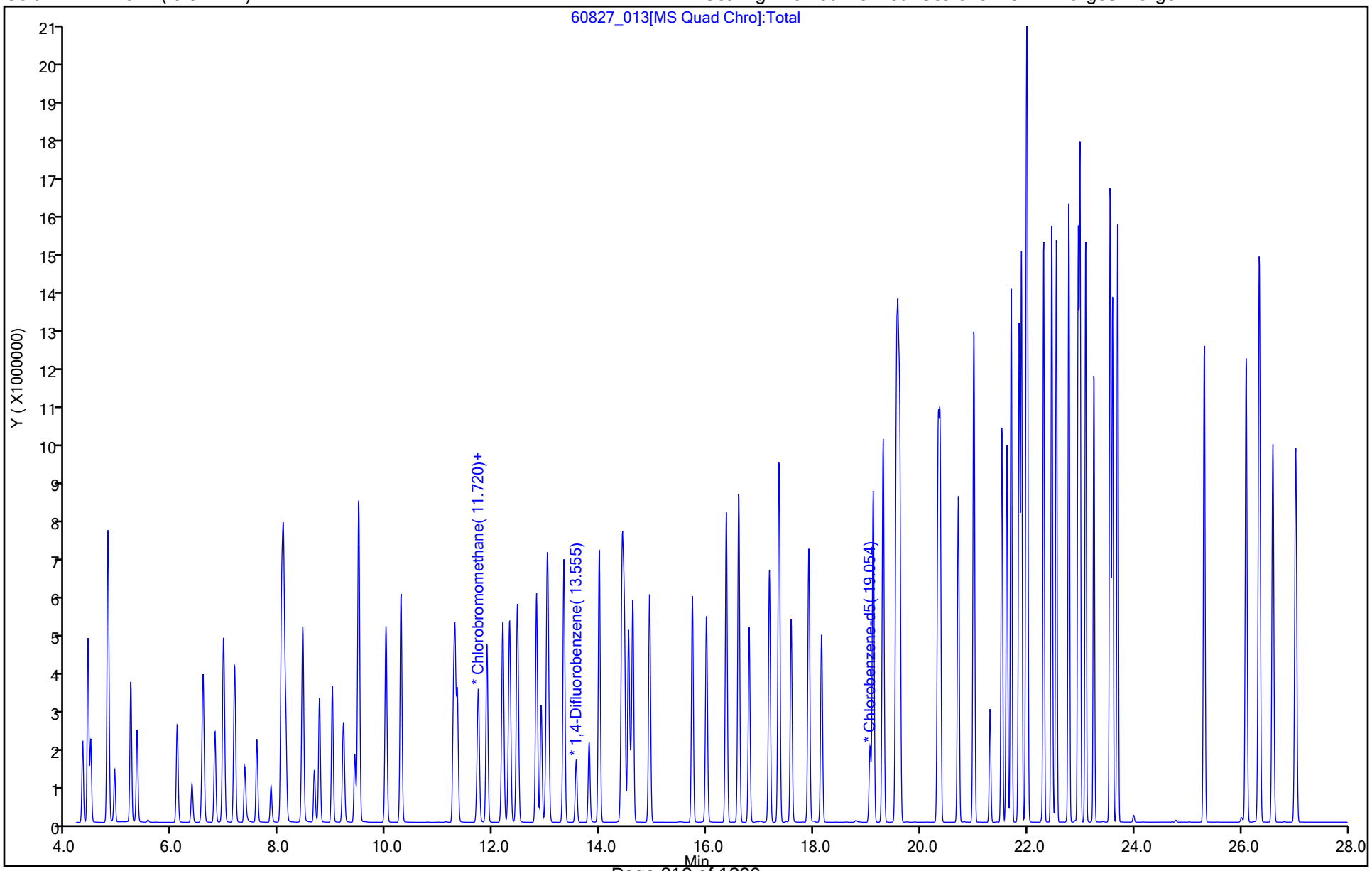
Report Date: 19-Jun-2024 16:08:04 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Injection Date:	18-Jun-2024 22:56:27	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	13
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

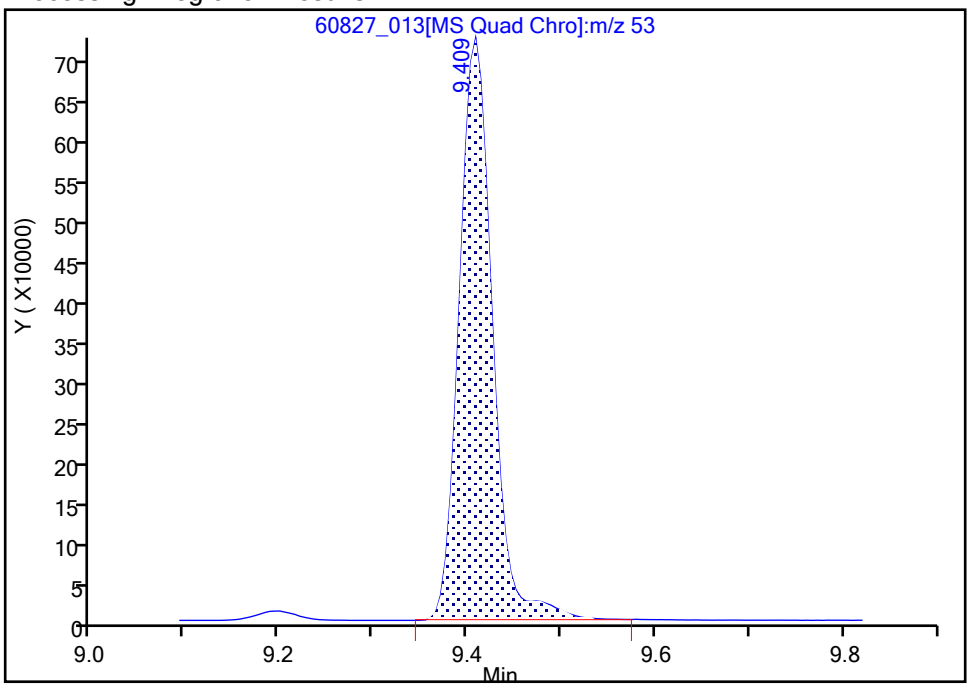
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D				
Injection Date:	18-Jun-2024 22:56:27	Instrument ID:	CHAM.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

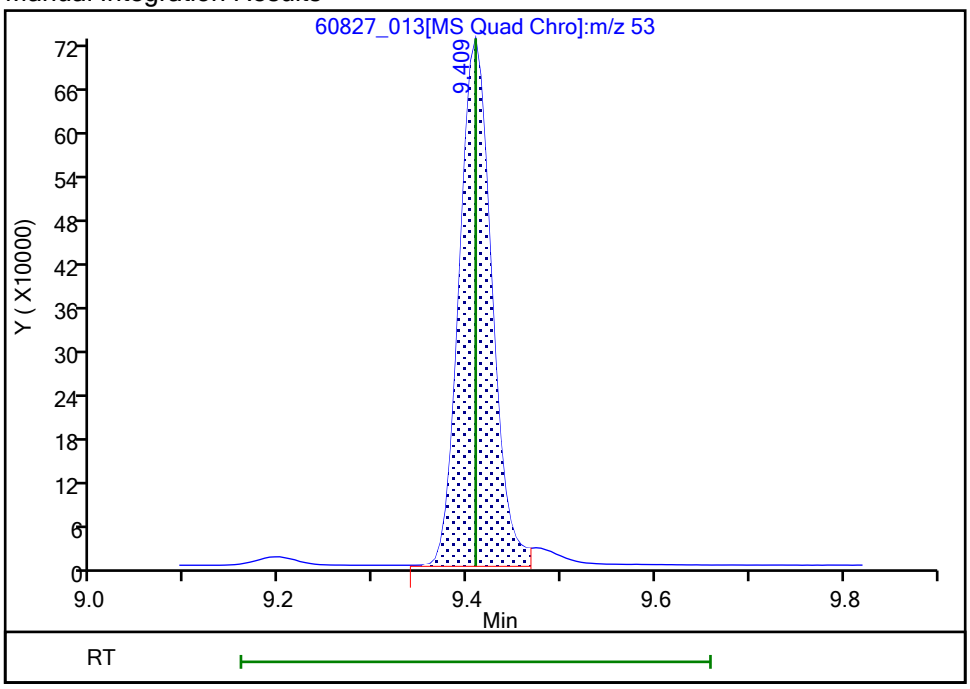
Processing Integration Results

RT: 9.41
Area: 1787619
Amount: 40.683793
Amount Units: ppb v/v



Manual Integration Results

RT: 9.41
Area: 1736007
Amount: 37.503910
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 10:44:58 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Calibration / Propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

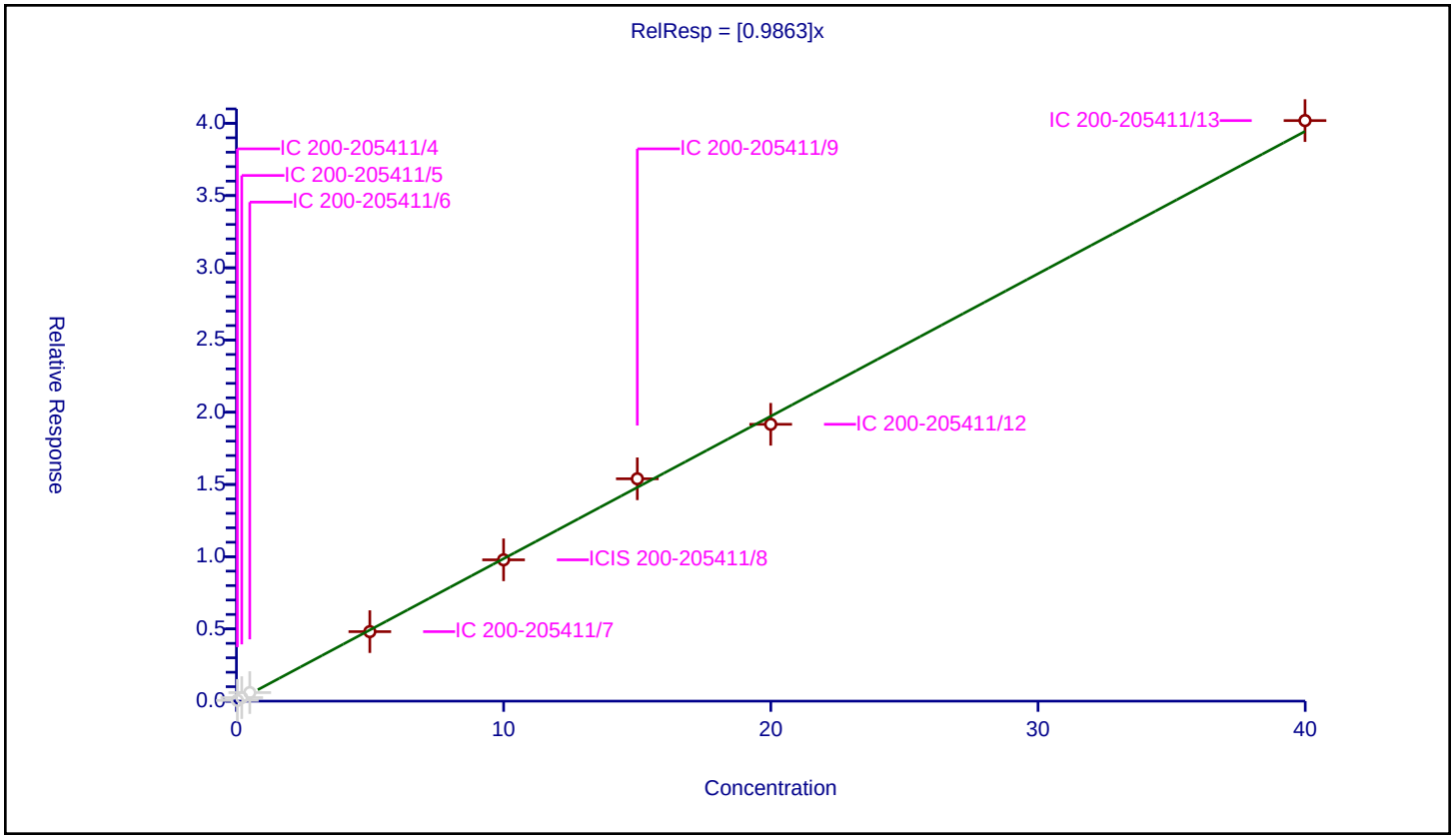
Curve Coefficients

Intercept:	0
Slope:	0.9863

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.051518	10.0	350944.0	1.46872	N
2	IC 200-205411/5	0.20044	0.242244	10.0	354849.0	1.208563	N
3	IC 200-205411/6	0.500453	0.592046	10.0	345277.0	1.183022	N
4	IC 200-205411/7	4.992563	4.81055	10.0	365927.0	0.963543	Y
5	ICIS 200-205411/8	9.99806	9.783131	10.0	370316.0	0.978503	Y
6	IC 200-205411/9	15.003557	15.393104	10.0	362563.0	1.025964	Y
7	IC 200-205411/12	19.99612	19.166177	10.0	377550.0	0.958495	Y
8	IC 200-205411/13	39.99224	40.190865	10.0	376759.0	1.004967	Y



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

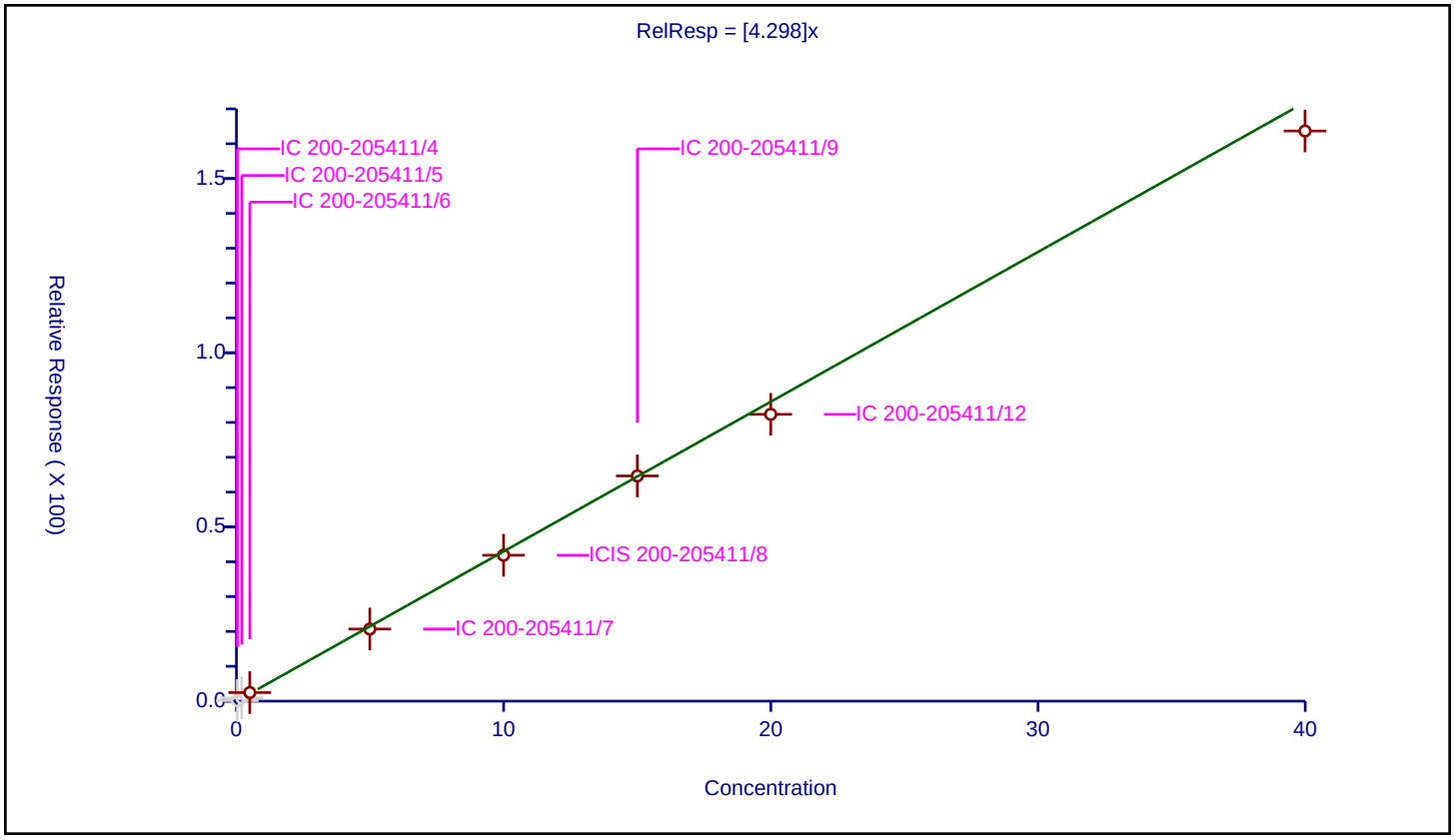
Curve Coefficients

Intercept:	0
Slope:	4.298

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.158829	10.0	350944.0	4.52801	N
2	IC 200-205411/5	0.20044	0.968356	10.0	354849.0	4.831157	N
3	IC 200-205411/6	0.500453	2.468453	10.0	345277.0	4.932441	Y
4	IC 200-205411/7	4.992563	20.706562	10.0	365927.0	4.147481	Y
5	ICIS 200-205411/8	9.99806	41.886551	10.0	370316.0	4.189468	Y
6	IC 200-205411/9	15.003557	64.641814	10.0	362563.0	4.308433	Y
7	IC 200-205411/12	19.99612	82.324619	10.0	377550.0	4.11703	Y
8	IC 200-205411/13	39.99224	163.654617	10.0	376759.0	4.092159	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

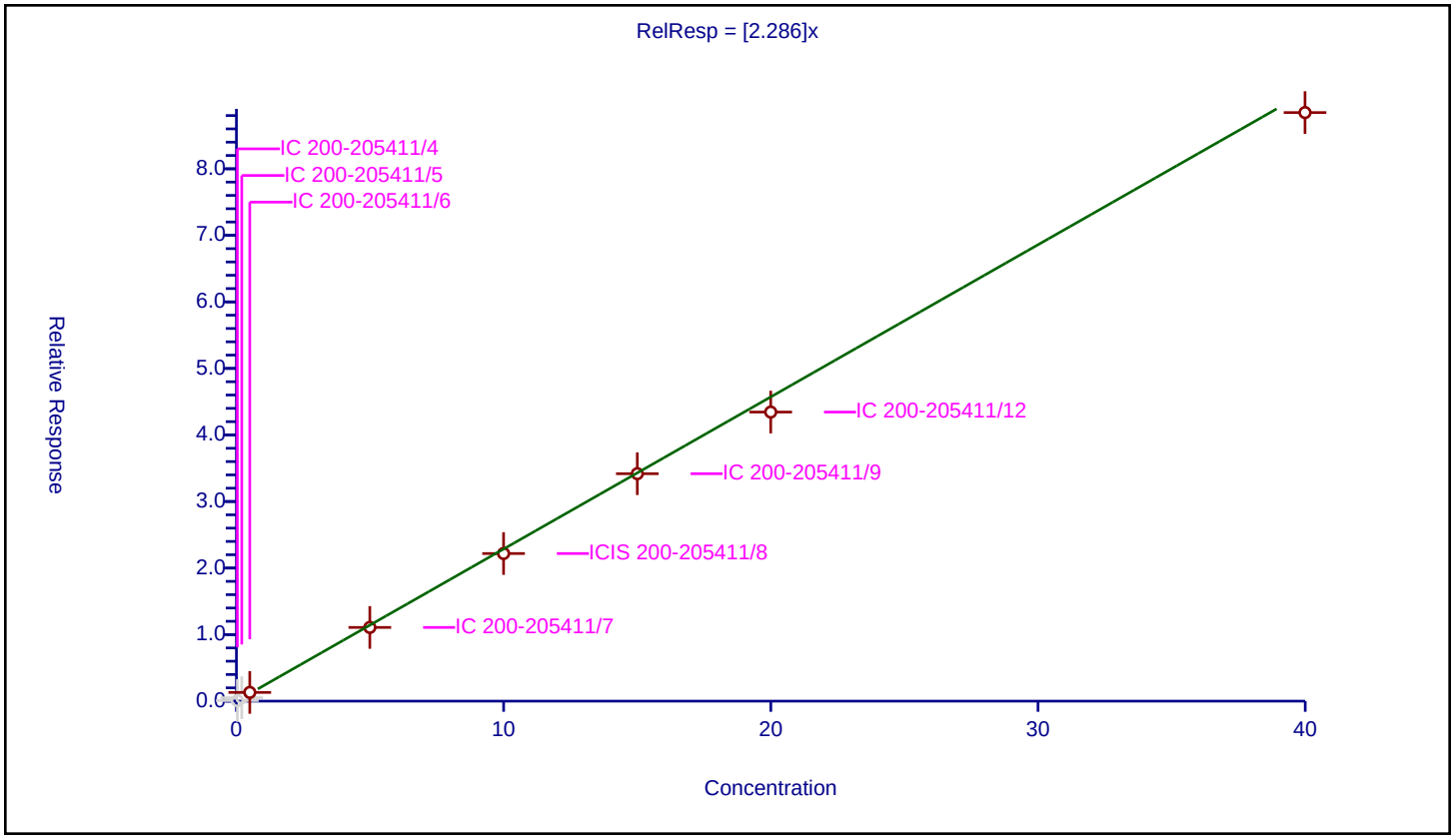
Curve Coefficients

Intercept:	0
Slope:	2.286

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.085797	10.0	350944.0	2.44597	N
2	IC 200-205411/5	0.20044	0.514134	10.0	354849.0	2.565032	N
3	IC 200-205411/6	0.500453	1.309905	10.0	345277.0	2.61744	Y
4	IC 200-205411/7	4.992563	11.075788	10.0	365927.0	2.218457	Y
5	ICIS 200-205411/8	9.99806	22.185026	10.0	370316.0	2.218933	Y
6	IC 200-205411/9	15.003557	34.180129	10.0	362563.0	2.278135	Y
7	IC 200-205411/12	19.99612	43.442246	10.0	377550.0	2.172534	Y
8	IC 200-205411/13	39.99224	88.446009	10.0	376759.0	2.211579	Y



Calibration / 1,2-Dichloro-1,1,2,2-tetrafluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

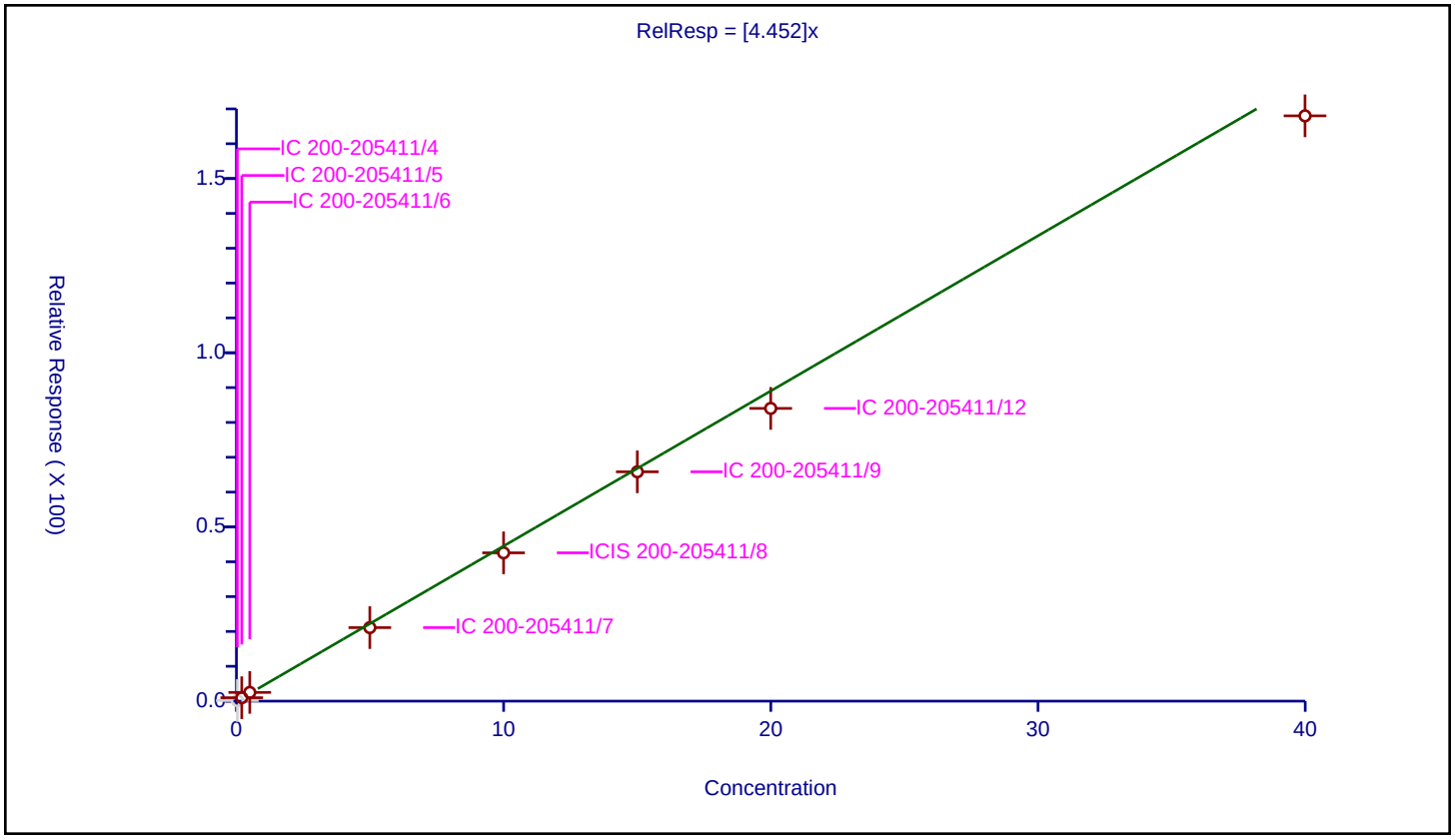
Curve Coefficients

Intercept:	0
Slope:	4.452

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.167833	10.0	350944.0	4.784711	N
2	IC 200-205411/5	0.20044	0.980642	10.0	354849.0	4.892457	Y
3	IC 200-205411/6	0.500453	2.501615	10.0	345277.0	4.998705	Y
4	IC 200-205411/7	4.992563	21.106341	10.0	365927.0	4.227556	Y
5	ICIS 200-205411/8	9.99806	42.571939	10.0	370316.0	4.25802	Y
6	IC 200-205411/9	15.003557	65.825139	10.0	362563.0	4.387302	Y
7	IC 200-205411/12	19.99612	84.027573	10.0	377550.0	4.202194	Y
8	IC 200-205411/13	39.99224	168.006471	10.0	376759.0	4.200977	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

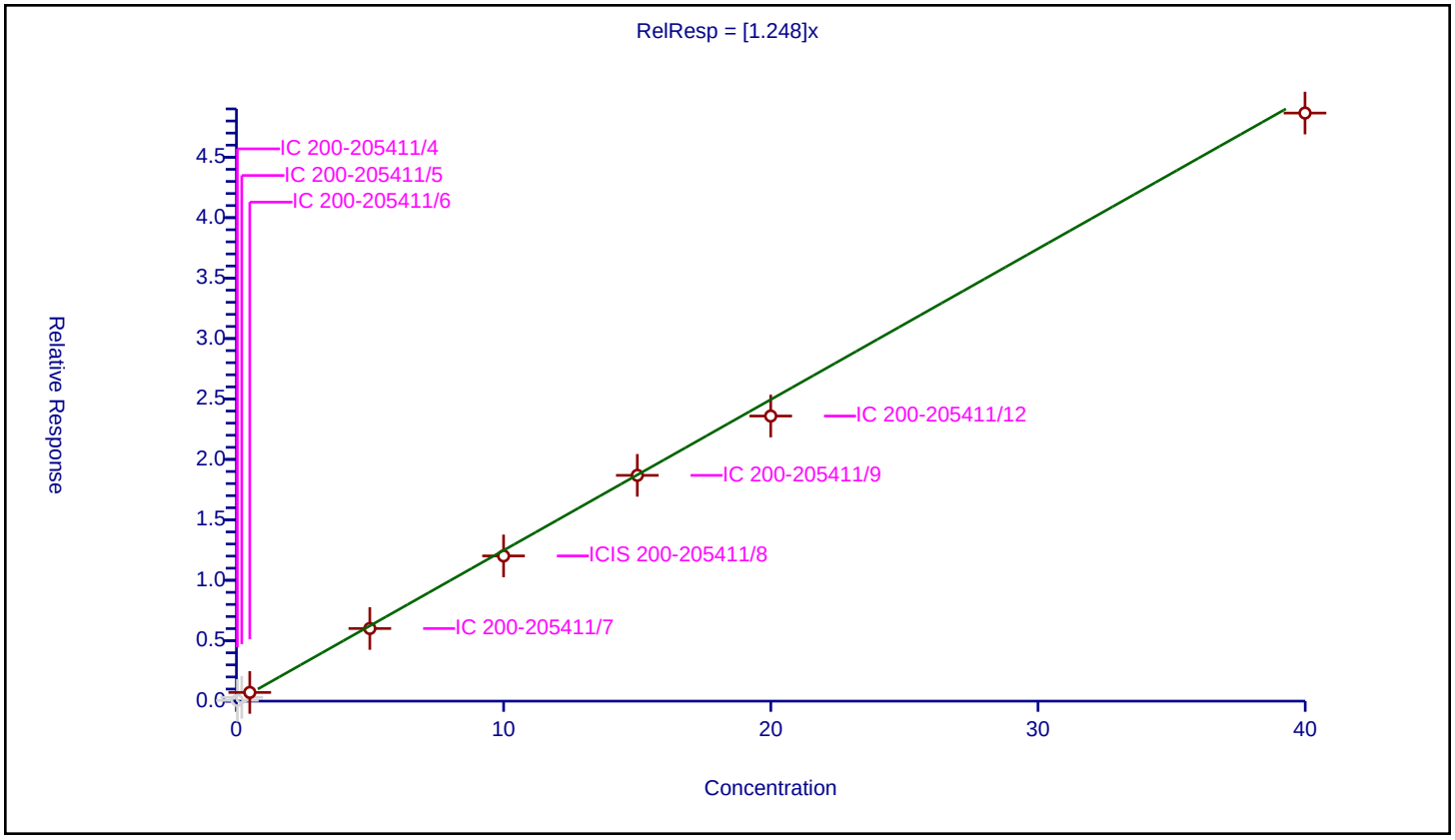
Curve Coefficients

Intercept:	0
Slope:	1.248

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.060465	10.0	350944.0	1.723796	N
2	IC 200-205411/5	0.20044	0.306919	10.0	354849.0	1.53123	N
3	IC 200-205411/6	0.500453	0.719915	10.0	345277.0	1.438527	Y
4	IC 200-205411/7	4.992563	6.011172	10.0	365927.0	1.204025	Y
5	ICIS 200-205411/8	9.99806	12.014982	10.0	370316.0	1.201731	Y
6	IC 200-205411/9	15.003557	18.680478	10.0	362563.0	1.24507	Y
7	IC 200-205411/12	19.99612	23.588161	10.0	377550.0	1.179637	Y
8	IC 200-205411/13	39.99224	48.656436	10.0	376759.0	1.216647	Y



Calibration / Butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

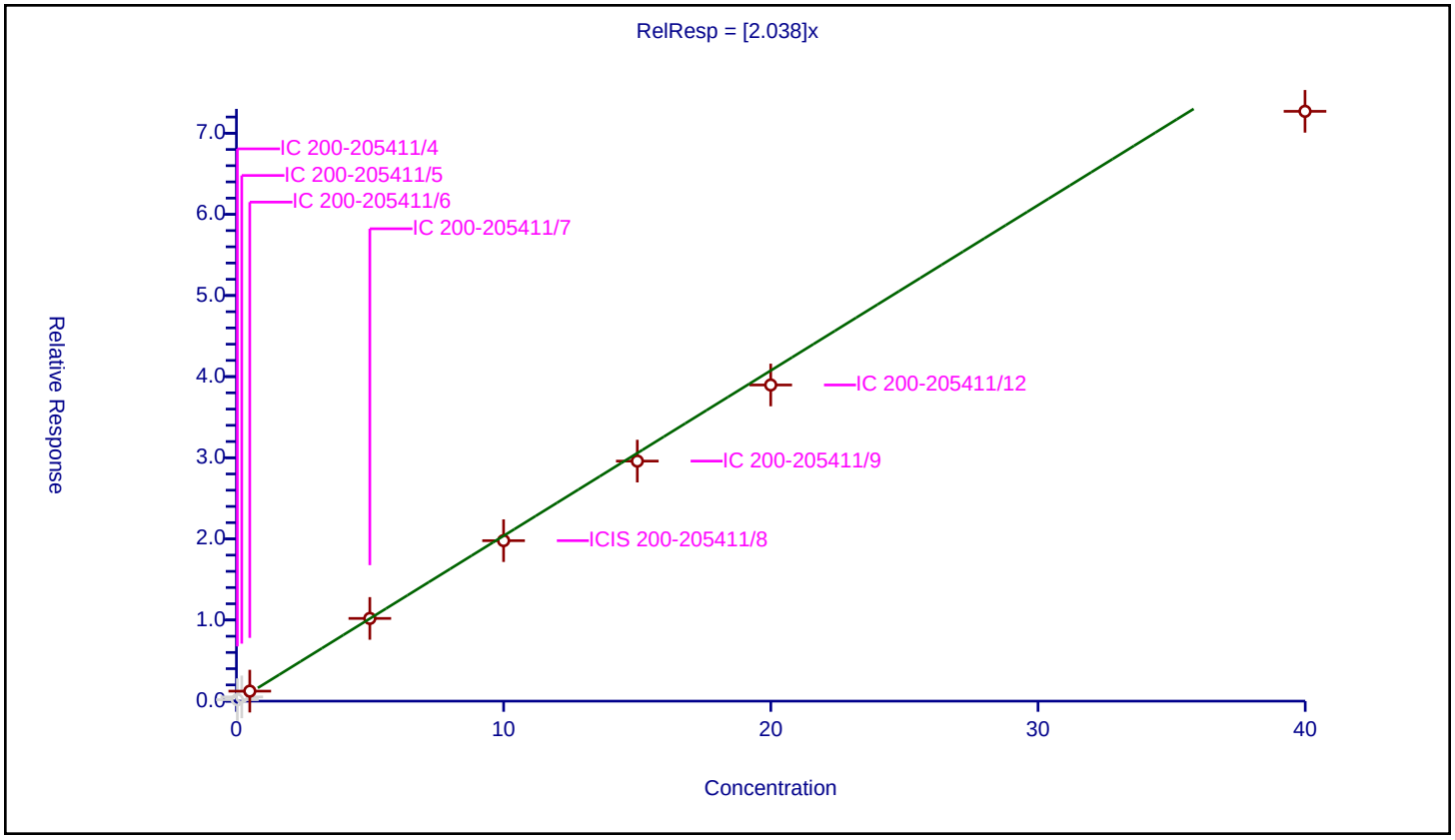
Curve Coefficients

Intercept:	0
Slope:	2.038

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.179459	10.0	350944.0	5.116148	N
2	IC 200-205411/5	0.20044	0.520137	10.0	354849.0	2.594979	N
3	IC 200-205411/6	0.500453	1.234284	10.0	345277.0	2.466336	Y
4	IC 200-205411/7	4.992563	10.196105	10.0	365927.0	2.042259	Y
5	ICIS 200-205411/8	9.99806	19.781916	10.0	370316.0	1.978575	Y
6	IC 200-205411/9	15.003557	29.587603	10.0	362563.0	1.972039	Y
7	IC 200-205411/12	19.99612	38.969885	10.0	377550.0	1.948872	Y
8	IC 200-205411/13	39.99224	72.702258	10.0	376759.0	1.817909	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

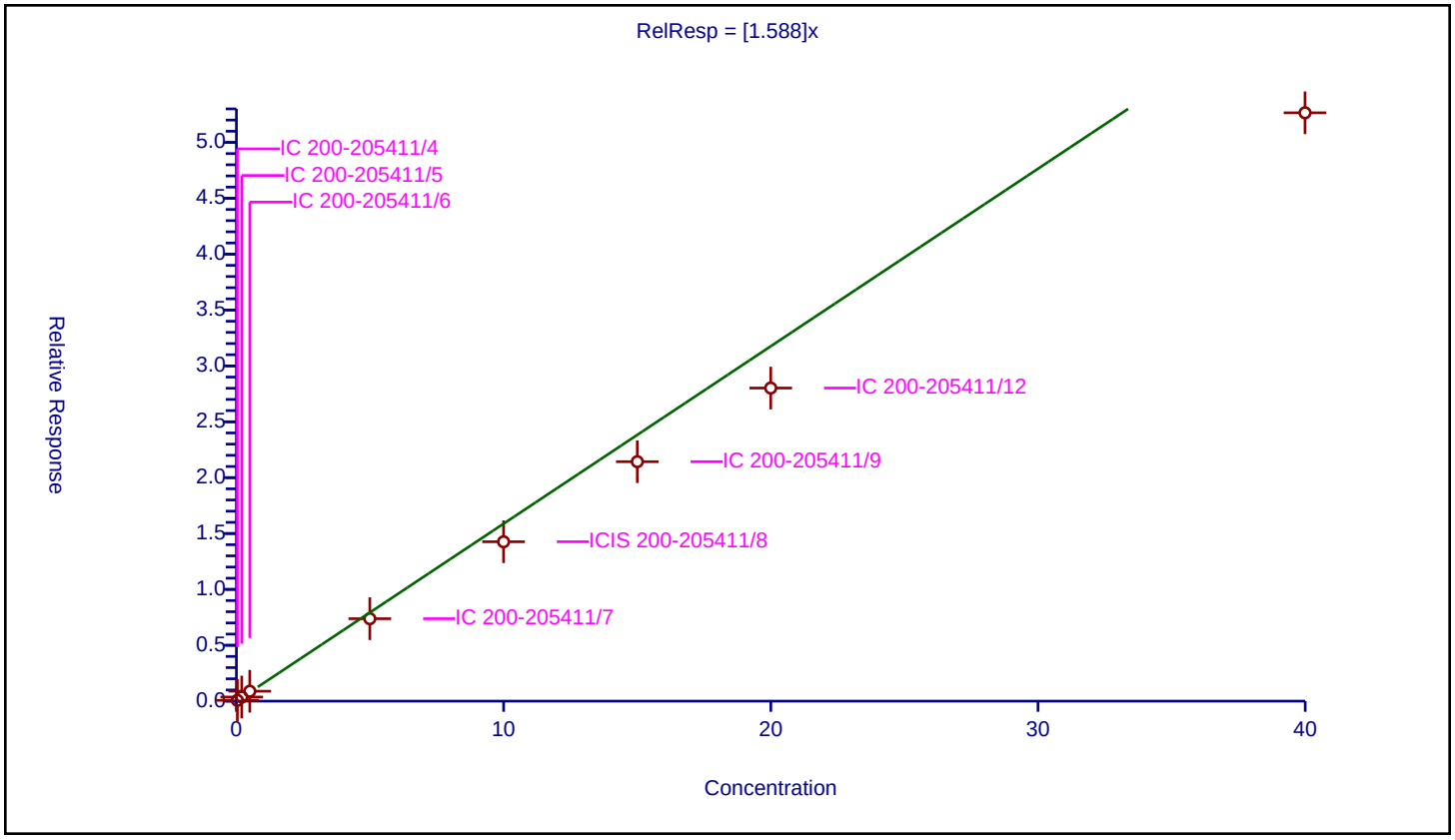
Curve Coefficients

Intercept:	0
Slope:	1.588

Error Coefficients

Relative Standard Deviation:	16.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.071835	10.0	350944.0	2.047921	Y
2	IC 200-205411/5	0.20044	0.367593	10.0	354849.0	1.833933	Y
3	IC 200-205411/6	0.500453	0.887346	10.0	345277.0	1.773086	Y
4	IC 200-205411/7	4.992563	7.37781	10.0	365927.0	1.47776	Y
5	ICIS 200-205411/8	9.99806	14.262657	10.0	370316.0	1.426542	Y
6	IC 200-205411/9	15.003557	21.429103	10.0	362563.0	1.428268	Y
7	IC 200-205411/12	19.99612	28.017878	10.0	377550.0	1.401166	Y
8	IC 200-205411/13	39.99224	52.649359	10.0	376759.0	1.316489	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

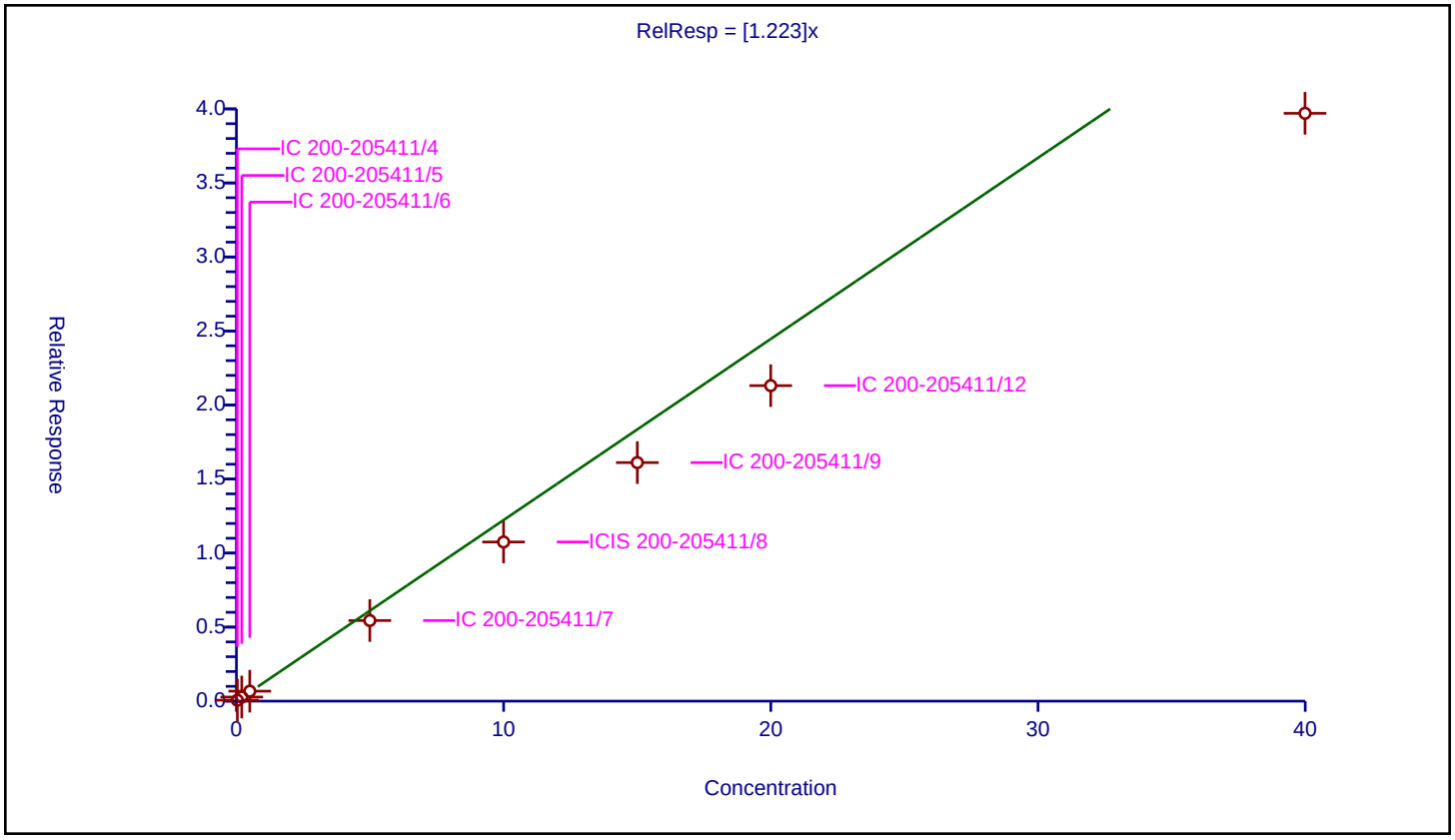
Curve Coefficients

Intercept:	0
Slope:	1.223

Error Coefficients

Relative Standard Deviation:	21.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.061748	10.0	350944.0	1.760351	Y
2	IC 200-205411/5	0.20044	0.276963	10.0	354849.0	1.381777	Y
3	IC 200-205411/6	0.500453	0.673054	10.0	345277.0	1.34489	Y
4	IC 200-205411/7	4.992563	5.44502	10.0	365927.0	1.090626	Y
5	ICIS 200-205411/8	9.99806	10.749333	10.0	370316.0	1.075142	Y
6	IC 200-205411/9	15.003557	16.110883	10.0	362563.0	1.073804	Y
7	IC 200-205411/12	19.99612	21.308065	10.0	377550.0	1.06561	Y
8	IC 200-205411/13	39.99224	39.701852	10.0	376759.0	0.992739	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

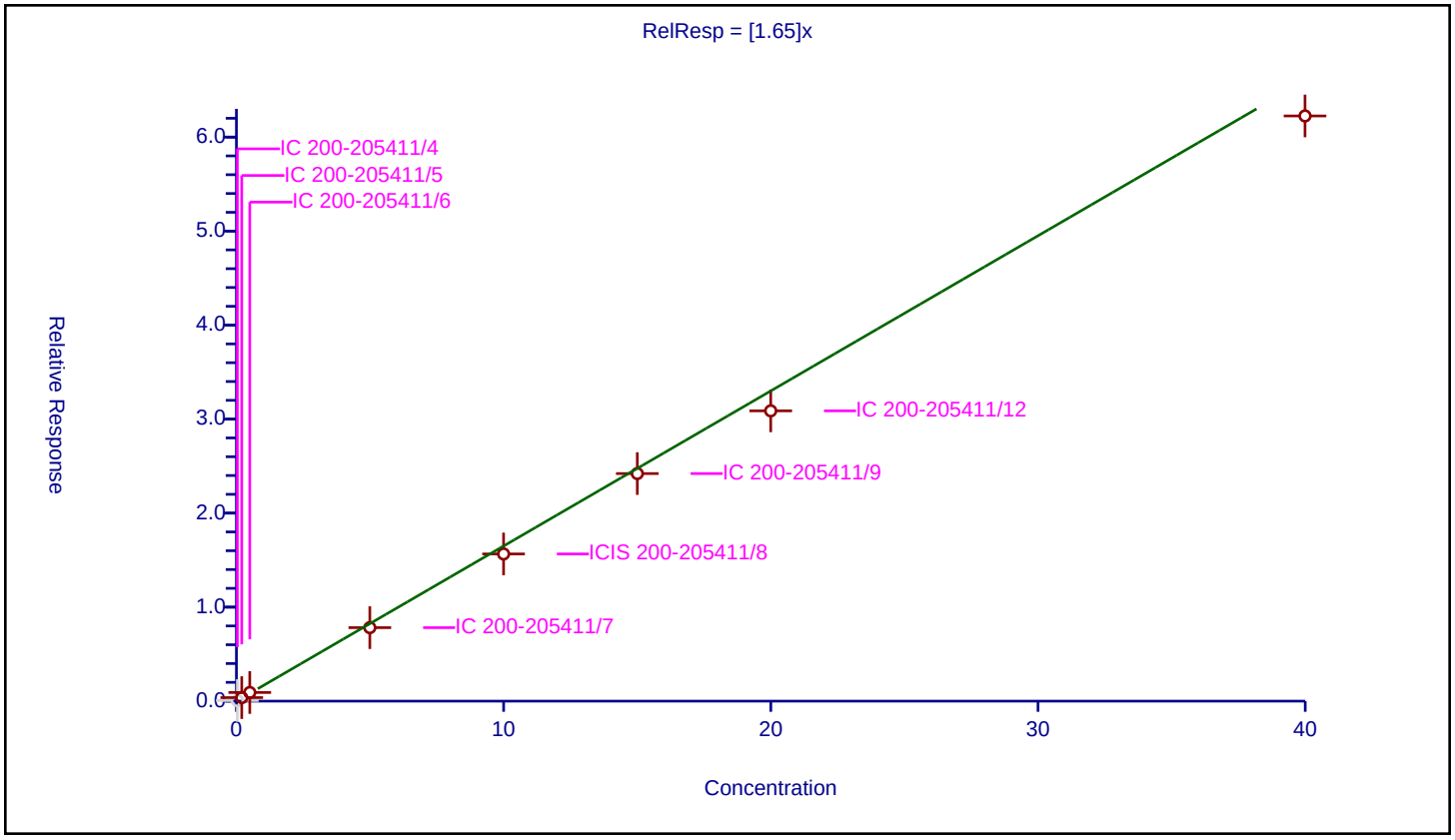
Curve Coefficients

Intercept:	0
Slope:	1.65

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.062973	10.0	350944.0	1.795282	N
2	IC 200-205411/5	0.20044	0.374779	10.0	354849.0	1.869785	Y
3	IC 200-205411/6	0.500453	0.918509	10.0	345277.0	1.835356	Y
4	IC 200-205411/7	4.992563	7.817925	10.0	365927.0	1.565914	Y
5	ICIS 200-205411/8	9.99806	15.65652	10.0	370316.0	1.565956	Y
6	IC 200-205411/9	15.003557	24.207214	10.0	362563.0	1.613432	Y
7	IC 200-205411/12	19.99612	30.879327	10.0	377550.0	1.544266	Y
8	IC 200-205411/13	39.99224	62.249342	10.0	376759.0	1.556536	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

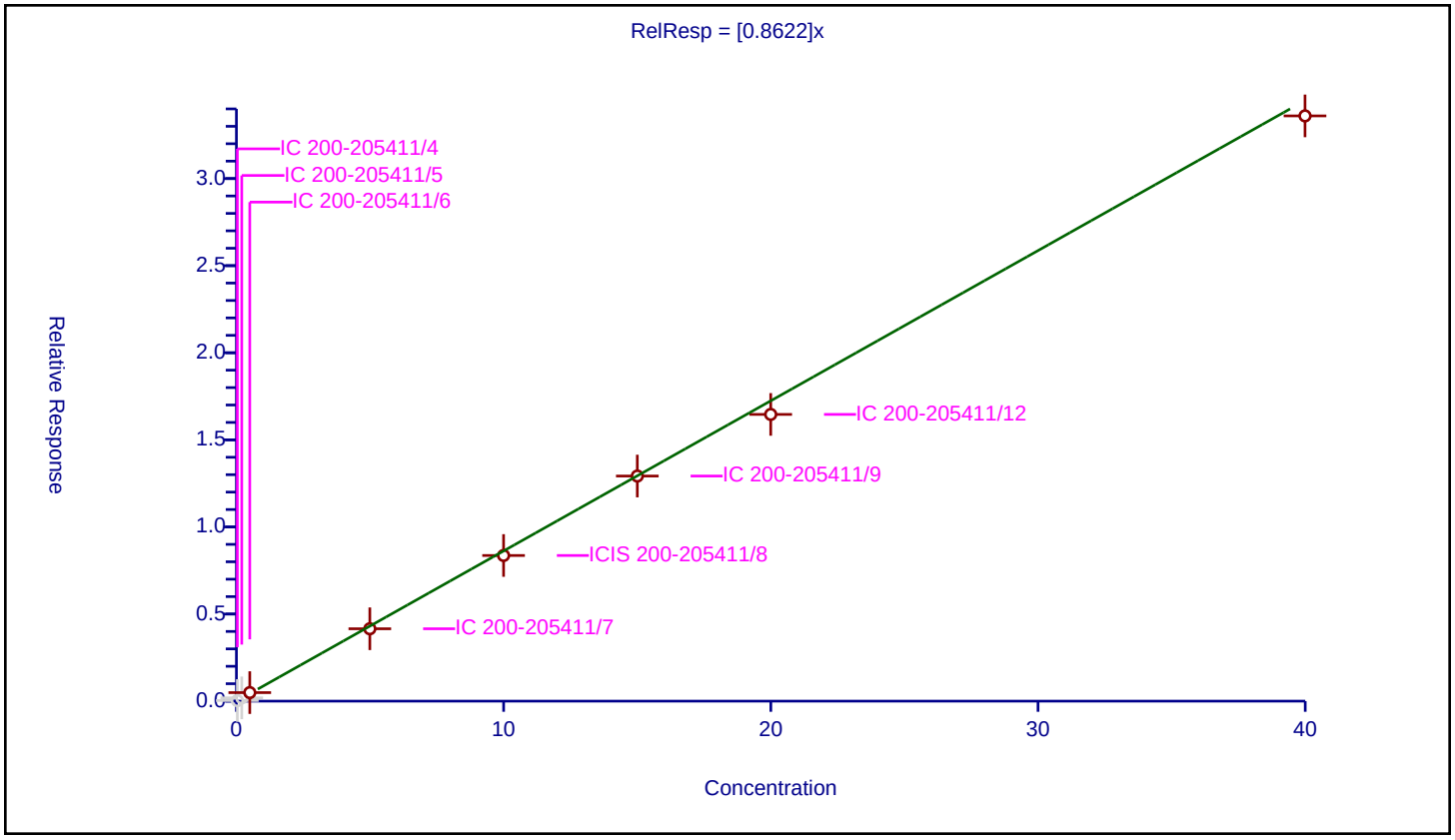
Curve Coefficients

Intercept:	0
Slope:	0.8622

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.033624	10.0	350944.0	0.958567	N
2	IC 200-205411/5	0.20044	0.188531	10.0	354849.0	0.940587	N
3	IC 200-205411/6	0.500453	0.490505	10.0	345277.0	0.980122	Y
4	IC 200-205411/7	4.992563	4.154818	10.0	365927.0	0.832201	Y
5	ICIS 200-205411/8	9.99806	8.360994	10.0	370316.0	0.836262	Y
6	IC 200-205411/9	15.003557	12.922995	10.0	362563.0	0.861329	Y
7	IC 200-205411/12	19.99612	16.460098	10.0	377550.0	0.823165	Y
8	IC 200-205411/13	39.99224	33.598401	10.0	376759.0	0.840123	Y



Calibration / 2-Methylbutane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

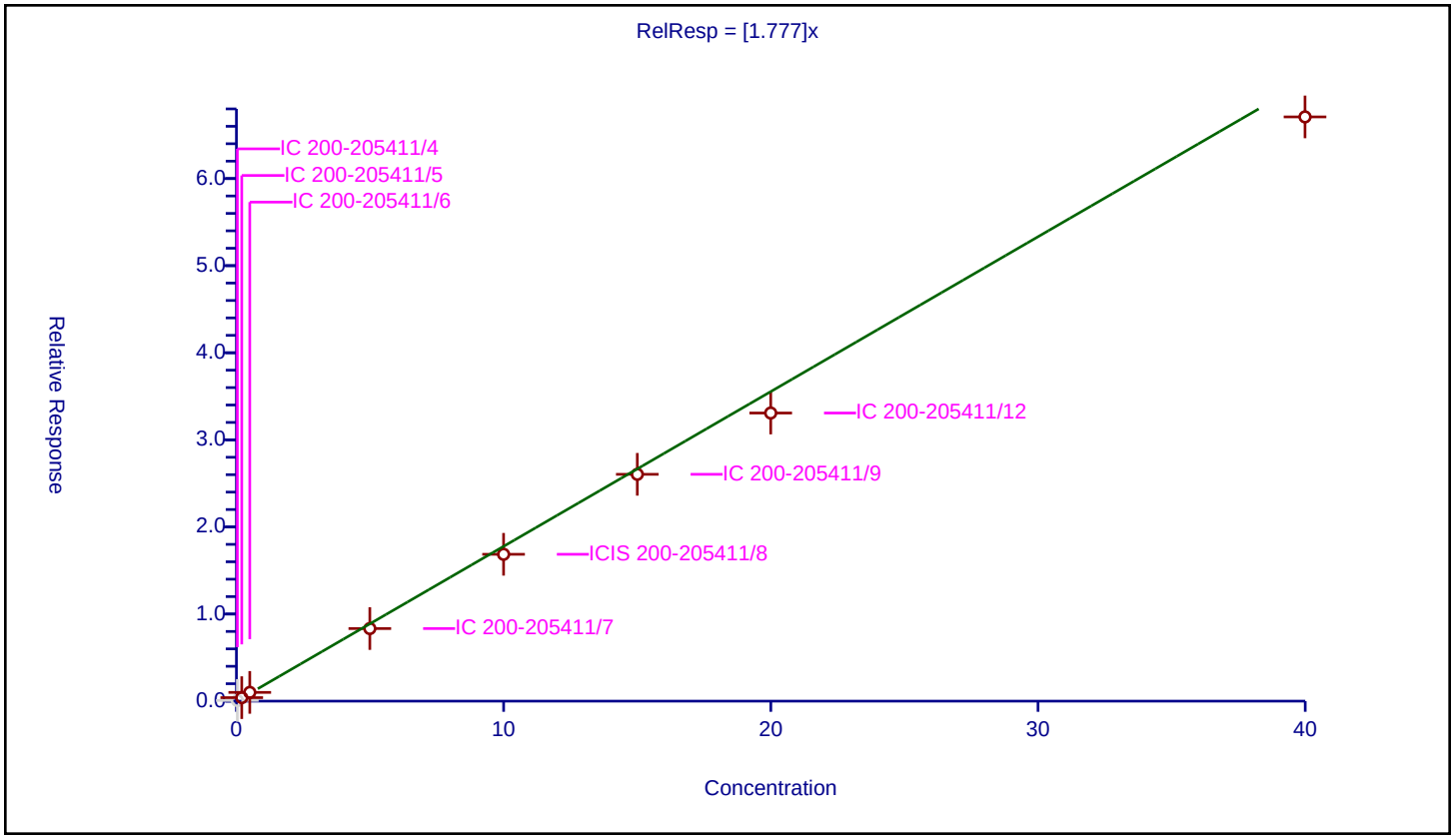
Curve Coefficients

Intercept:	0
Slope:	1.777

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.079015	10.0	350944.0	2.252632	N
2	IC 200-205411/5	0.20044	0.403298	10.0	354849.0	2.012068	Y
3	IC 200-205411/6	0.500453	1.003919	10.0	345277.0	2.006021	Y
4	IC 200-205411/7	4.992563	8.335351	10.0	365927.0	1.669554	Y
5	ICIS 200-205411/8	9.99806	16.859736	10.0	370316.0	1.686301	Y
6	IC 200-205411/9	15.003557	26.042564	10.0	362563.0	1.735759	Y
7	IC 200-205411/12	19.99612	33.081367	10.0	377550.0	1.654389	Y
8	IC 200-205411/13	39.99224	67.080176	10.0	376759.0	1.67733	Y



Calibration / Vinyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

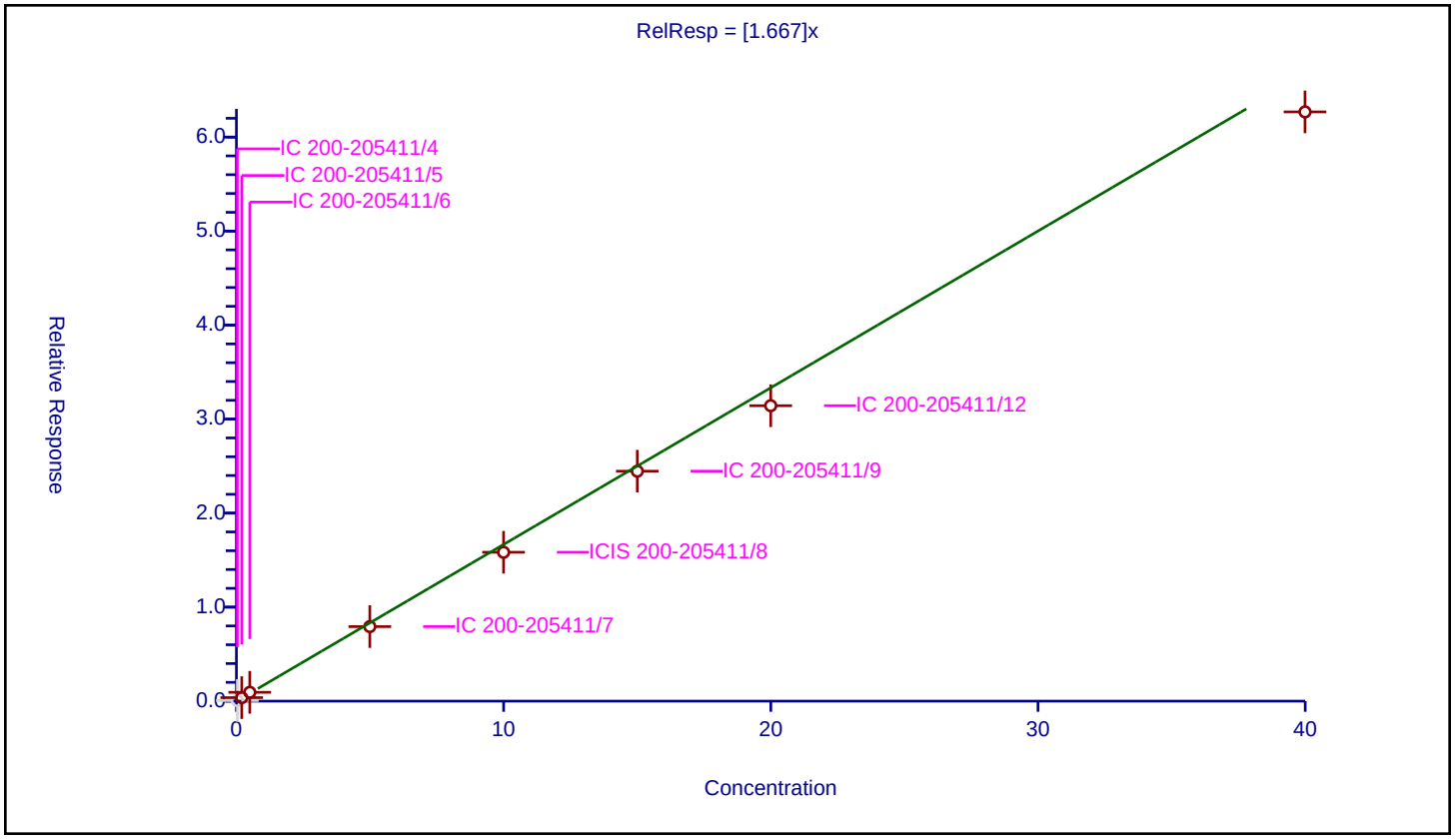
Curve Coefficients

Intercept:	0
Slope:	1.667

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.064141	10.0	350944.0	1.828588	N
2	IC 200-205411/5	0.20044	0.371397	10.0	354849.0	1.852914	Y
3	IC 200-205411/6	0.500453	0.938029	10.0	345277.0	1.874362	Y
4	IC 200-205411/7	4.992563	7.927729	10.0	365927.0	1.587908	Y
5	ICIS 200-205411/8	9.99806	15.835233	10.0	370316.0	1.583831	Y
6	IC 200-205411/9	15.003557	24.459473	10.0	362563.0	1.630245	Y
7	IC 200-205411/12	19.99612	31.427625	10.0	377550.0	1.571686	Y
8	IC 200-205411/13	39.99224	62.678874	10.0	376759.0	1.567276	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

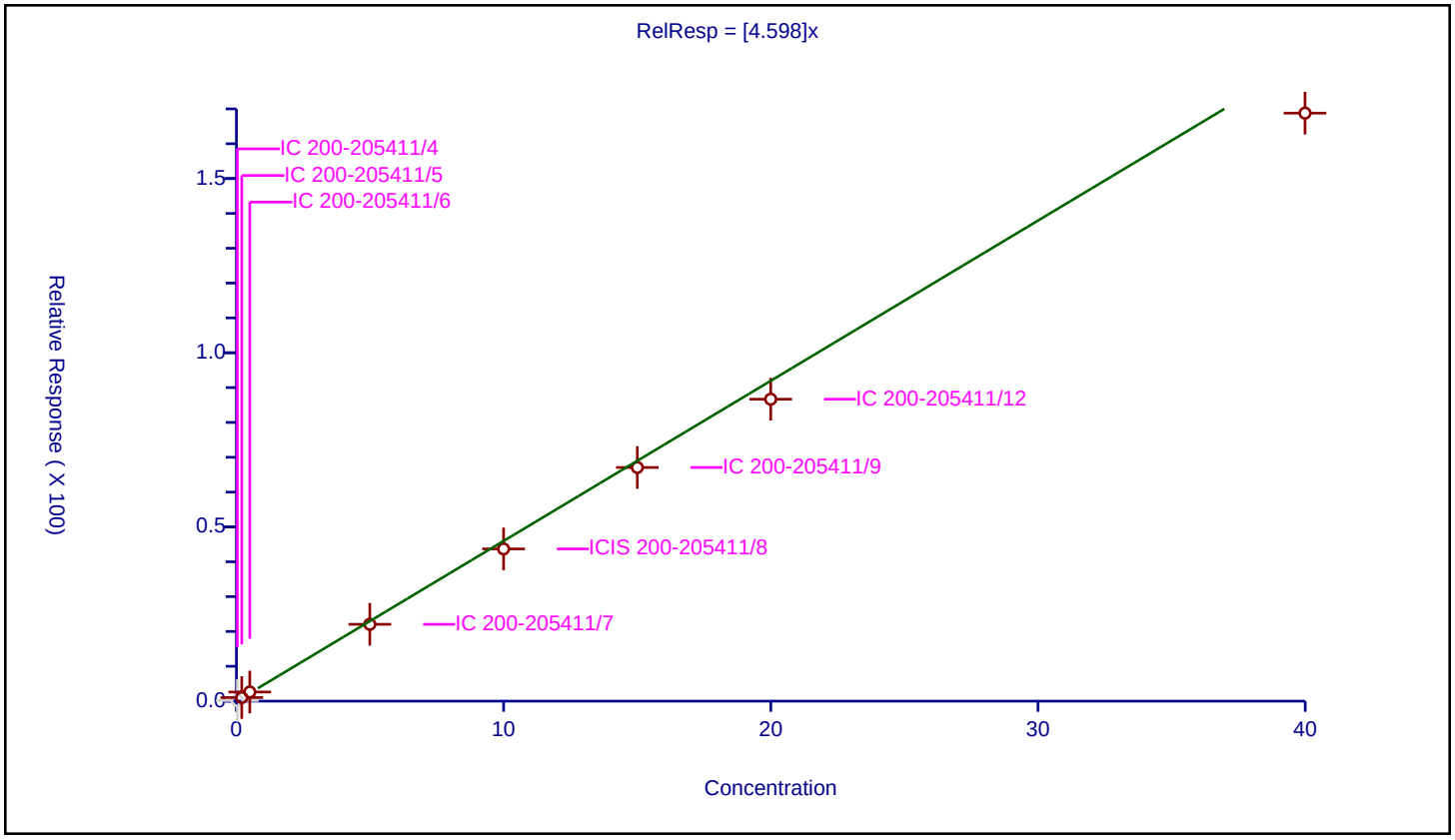
Curve Coefficients

Intercept:	0
Slope:	4.598

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.181624	10.0	350944.0	5.177886	N
2	IC 200-205411/5	0.20044	1.028212	10.0	354849.0	5.129783	Y
3	IC 200-205411/6	0.500453	2.624038	10.0	345277.0	5.24333	Y
4	IC 200-205411/7	4.992563	22.057842	10.0	365927.0	4.41814	Y
5	ICIS 200-205411/8	9.99806	43.696168	10.0	370316.0	4.370465	Y
6	IC 200-205411/9	15.003557	67.068316	10.0	362563.0	4.470161	Y
7	IC 200-205411/12	19.99612	86.666746	10.0	377550.0	4.334178	Y
8	IC 200-205411/13	39.99224	168.788005	10.0	376759.0	4.220519	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

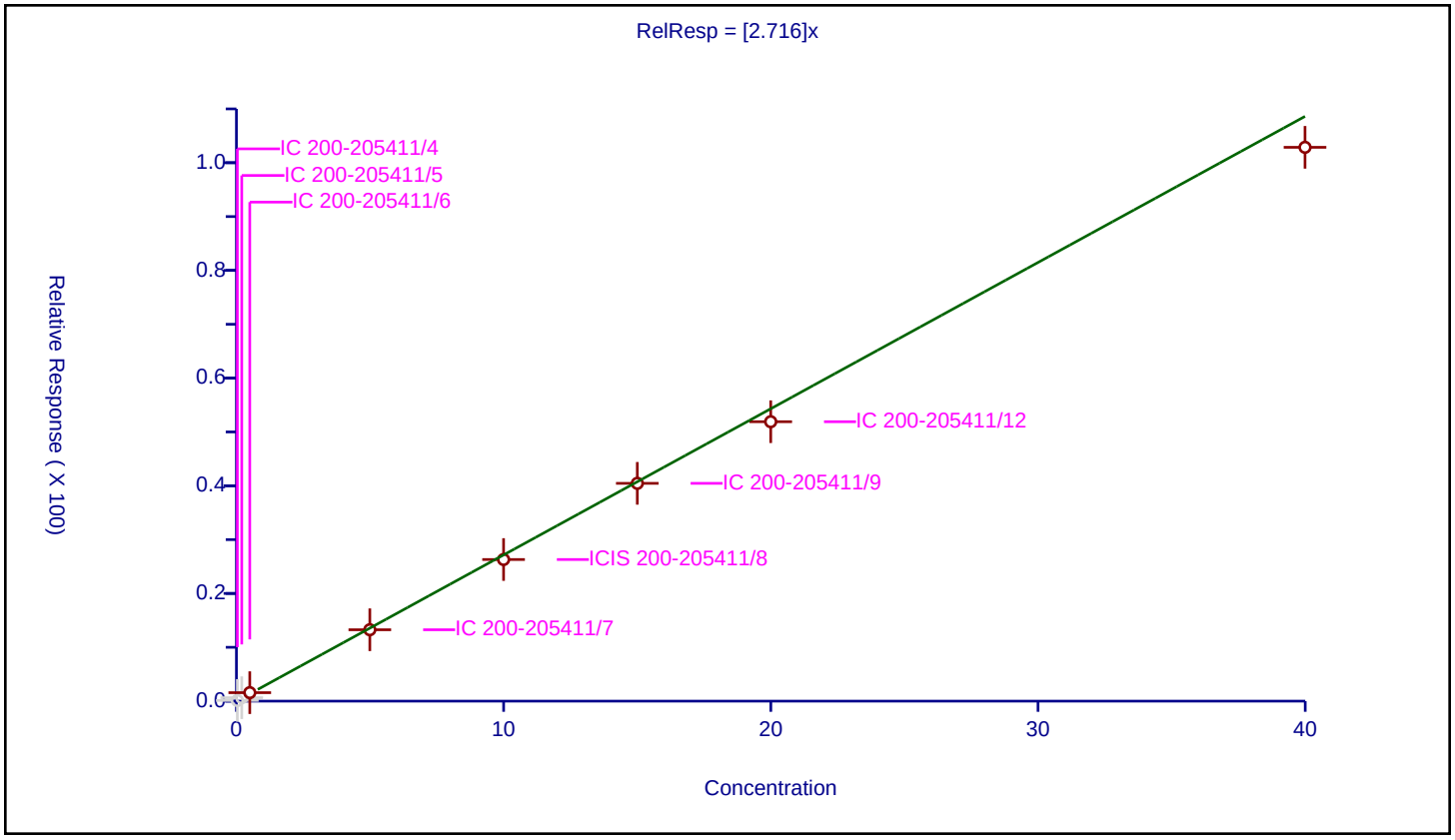
Curve Coefficients

Intercept:	0
Slope:	2.716

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.126003	10.0	350944.0	3.592189	N
2	IC 200-205411/5	0.20044	0.63861	10.0	354849.0	3.186044	N
3	IC 200-205411/6	0.500453	1.573548	10.0	345277.0	3.14425	Y
4	IC 200-205411/7	4.992563	13.260541	10.0	365927.0	2.656059	Y
5	ICIS 200-205411/8	9.99806	26.303103	10.0	370316.0	2.630821	Y
6	IC 200-205411/9	15.003557	40.453107	10.0	362563.0	2.696234	Y
7	IC 200-205411/12	19.99612	51.899166	10.0	377550.0	2.595462	Y
8	IC 200-205411/13	39.99224	102.859441	10.0	376759.0	2.571985	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

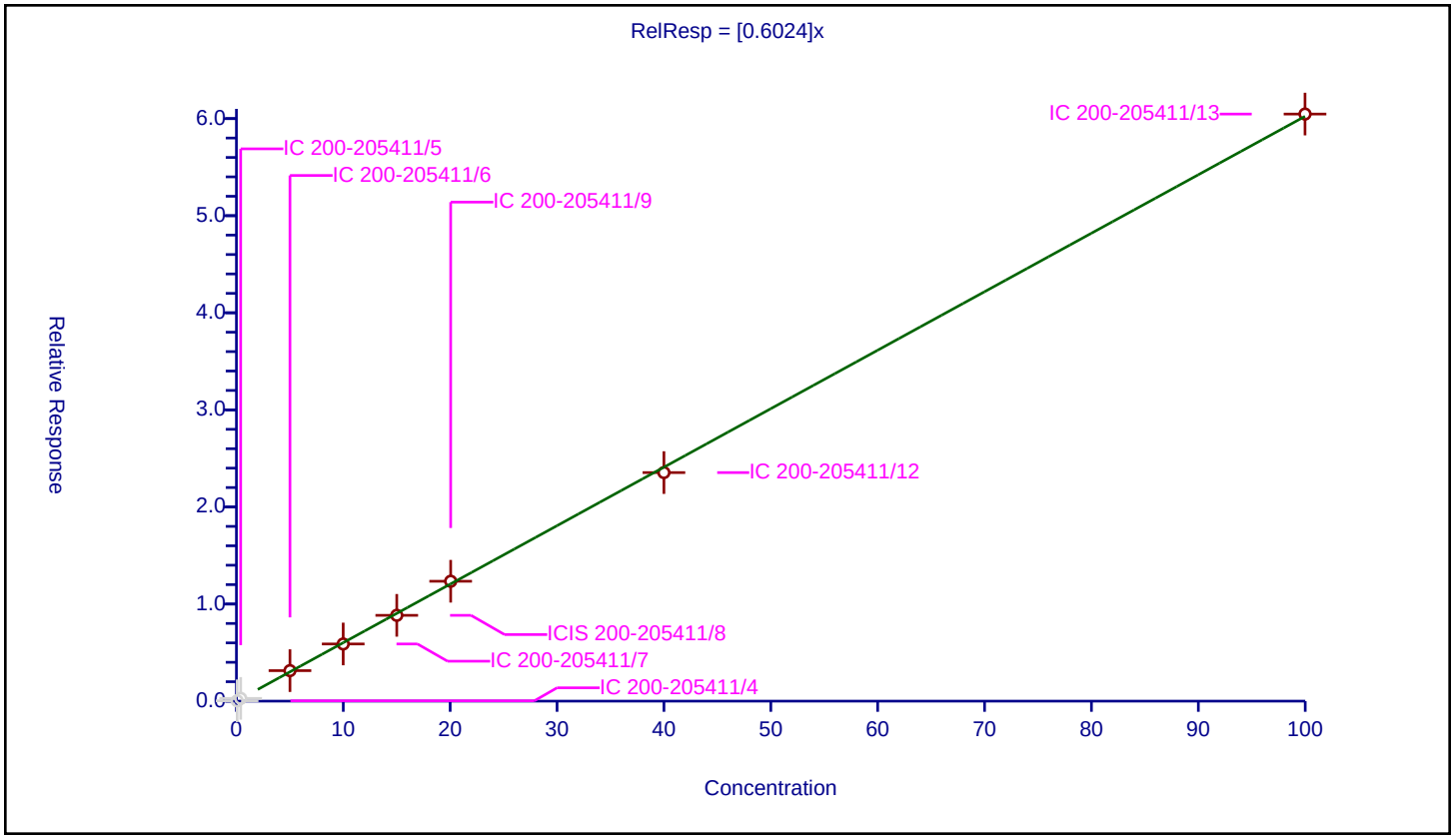
Curve Coefficients

Intercept:	0
Slope:	0.6024

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.070165	0.033424	10.0	350944.0	0.476363	N
2	IC 200-205411/5	0.400944	0.284741	10.0	354849.0	0.710176	N
3	IC 200-205411/6	5.010638	3.142607	10.0	345277.0	0.627187	Y
4	IC 200-205411/7	9.991593	5.887786	10.0	365927.0	0.589274	Y
5	ICIS 200-205411/8	15.003557	8.836021	10.0	370316.0	0.588928	Y
6	IC 200-205411/9	20.047856	12.34773	10.0	362563.0	0.615913	Y
7	IC 200-205411/12	39.998707	23.540167	10.0	377550.0	0.588523	Y
8	IC 200-205411/13	99.980599	60.468841	10.0	376759.0	0.604806	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

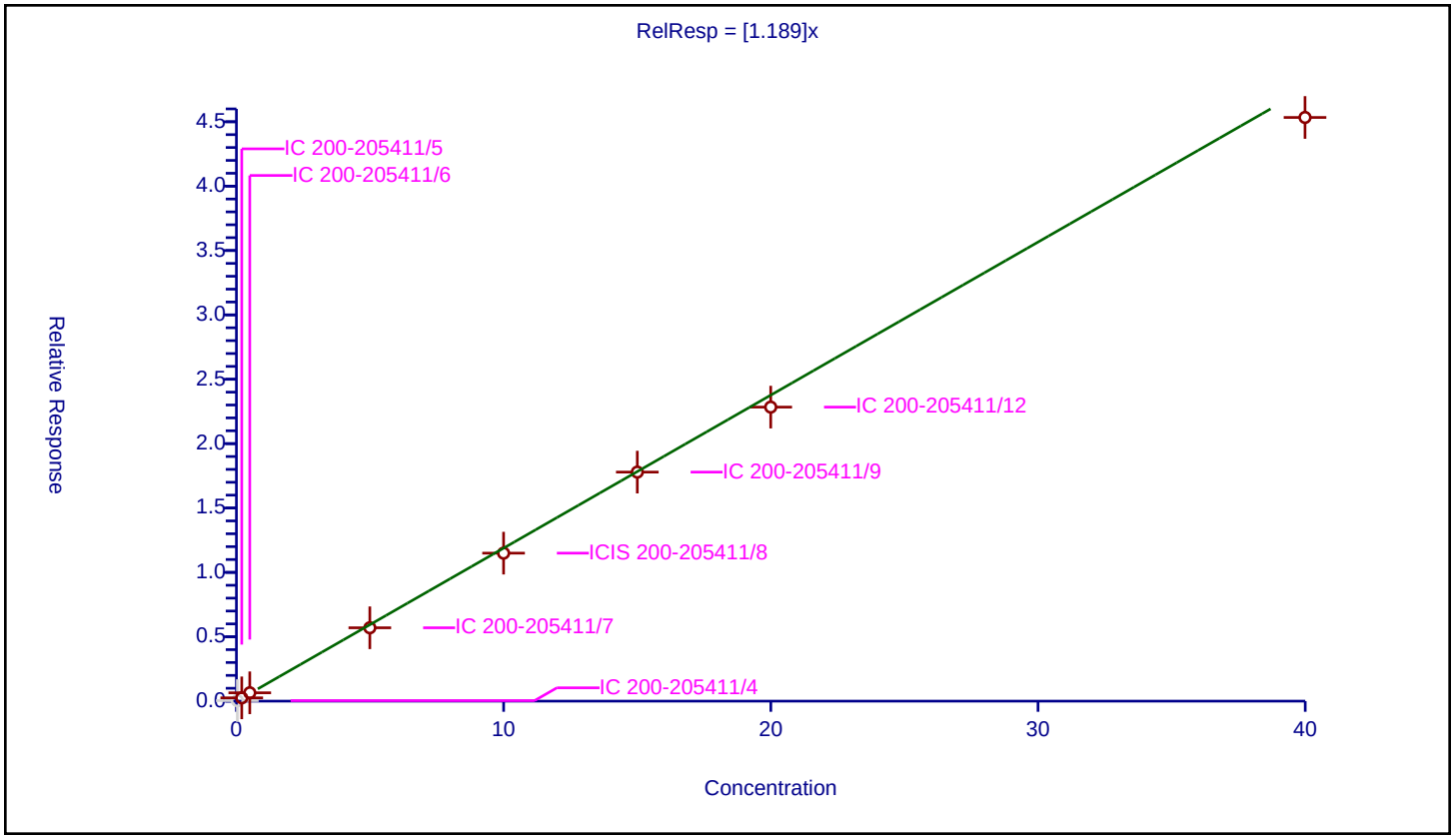
Curve Coefficients

Intercept:	0
Slope:	1.189

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.040519	10.0	350944.0	1.155154	N
2	IC 200-205411/5	0.20044	0.254474	10.0	354849.0	1.269581	Y
3	IC 200-205411/6	0.500453	0.649507	10.0	345277.0	1.29784	Y
4	IC 200-205411/7	4.992563	5.697503	10.0	365927.0	1.141198	Y
5	ICIS 200-205411/8	9.99806	11.49448	10.0	370316.0	1.149671	Y
6	IC 200-205411/9	15.003557	17.78946	10.0	362563.0	1.185683	Y
7	IC 200-205411/12	19.99612	22.836975	10.0	377550.0	1.14207	Y
8	IC 200-205411/13	39.99224	45.334471	10.0	376759.0	1.133582	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

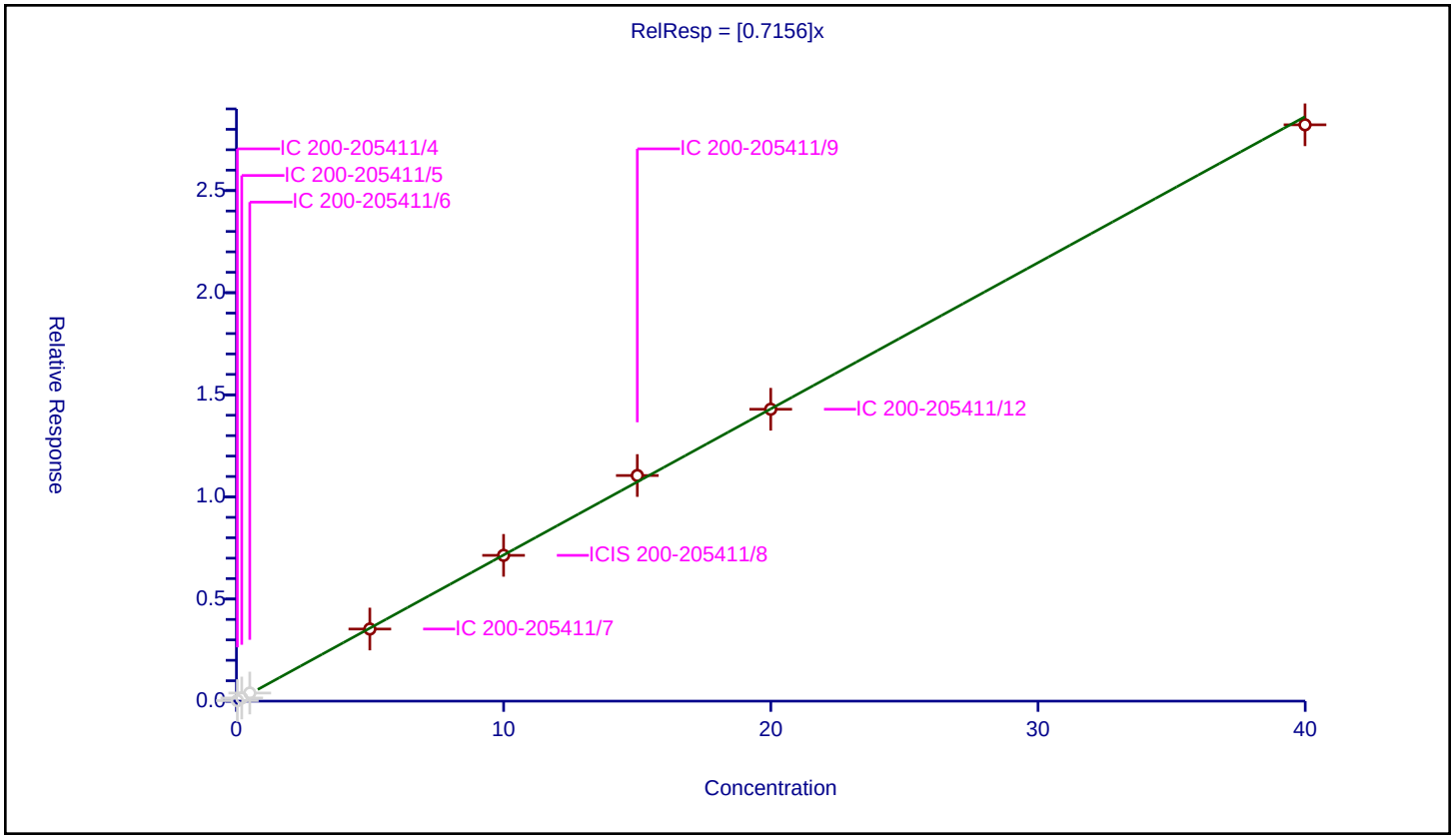
Curve Coefficients

Intercept:	0
Slope:	0.7156

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.02536	10.0	350944.0	0.722987	N
2	IC 200-205411/5	0.20044	0.153699	10.0	354849.0	0.76681	N
3	IC 200-205411/6	0.500453	0.397623	10.0	345277.0	0.794526	N
4	IC 200-205411/7	4.992563	3.531305	10.0	365927.0	0.707313	Y
5	ICIS 200-205411/8	9.99806	7.138093	10.0	370316.0	0.713948	Y
6	IC 200-205411/9	15.003557	11.04768	10.0	362563.0	0.736337	Y
7	IC 200-205411/12	19.99612	14.293339	10.0	377550.0	0.714806	Y
8	IC 200-205411/13	39.99224	28.221967	10.0	376759.0	0.705686	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

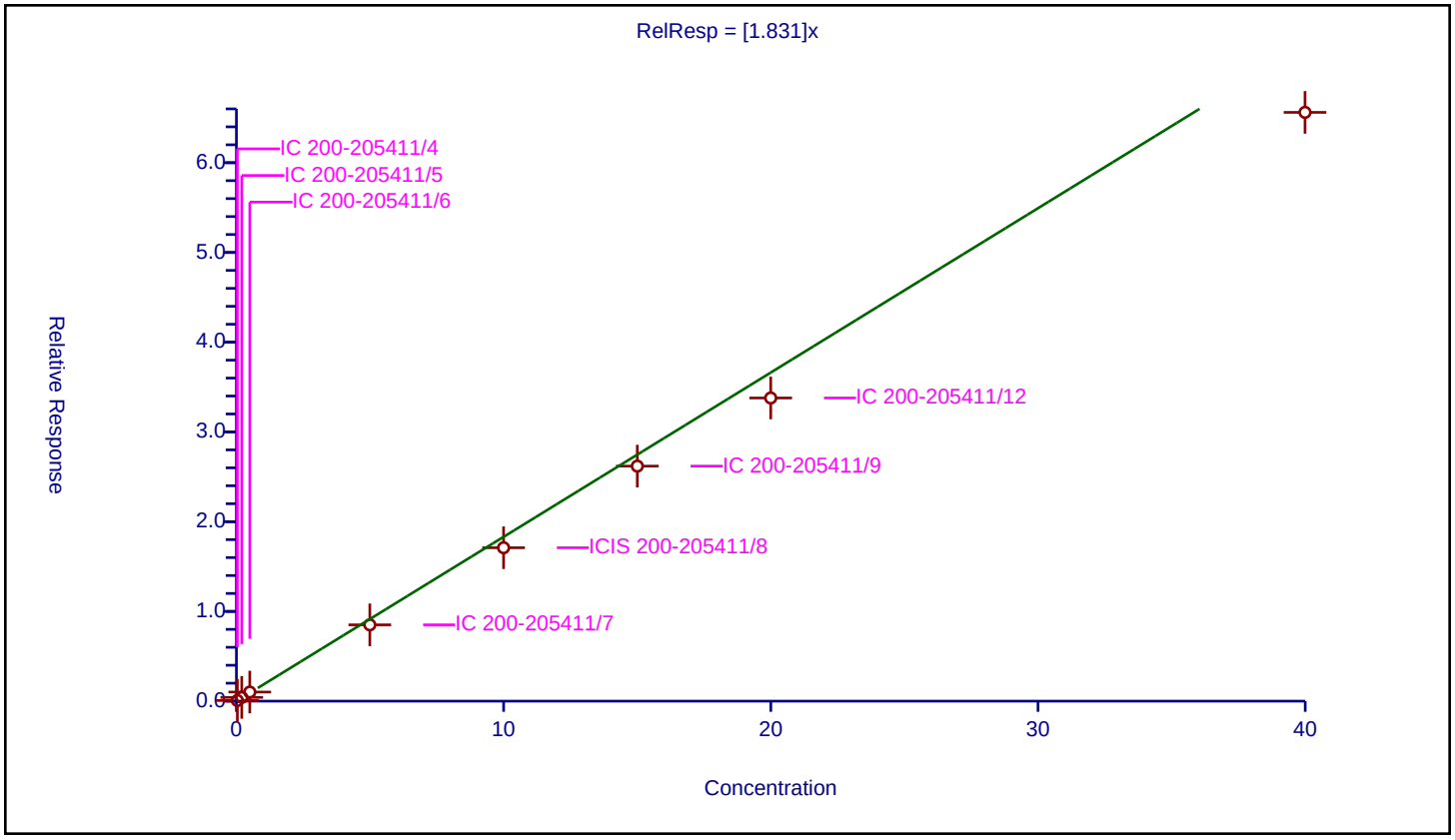
Curve Coefficients

Intercept:	0
Slope:	1.831

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.072291	10.0	350944.0	2.060919	Y
2	IC 200-205411/5	0.20044	0.416092	10.0	354849.0	2.075899	Y
3	IC 200-205411/6	0.500453	1.01226	10.0	345277.0	2.022689	Y
4	IC 200-205411/7	4.992563	8.502461	10.0	365927.0	1.703025	Y
5	ICIS 200-205411/8	9.99806	17.095481	10.0	370316.0	1.70988	Y
6	IC 200-205411/9	15.003557	26.191034	10.0	362563.0	1.745655	Y
7	IC 200-205411/12	19.99612	33.78334	10.0	377550.0	1.689495	Y
8	IC 200-205411/13	39.99224	65.611943	10.0	376759.0	1.640617	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

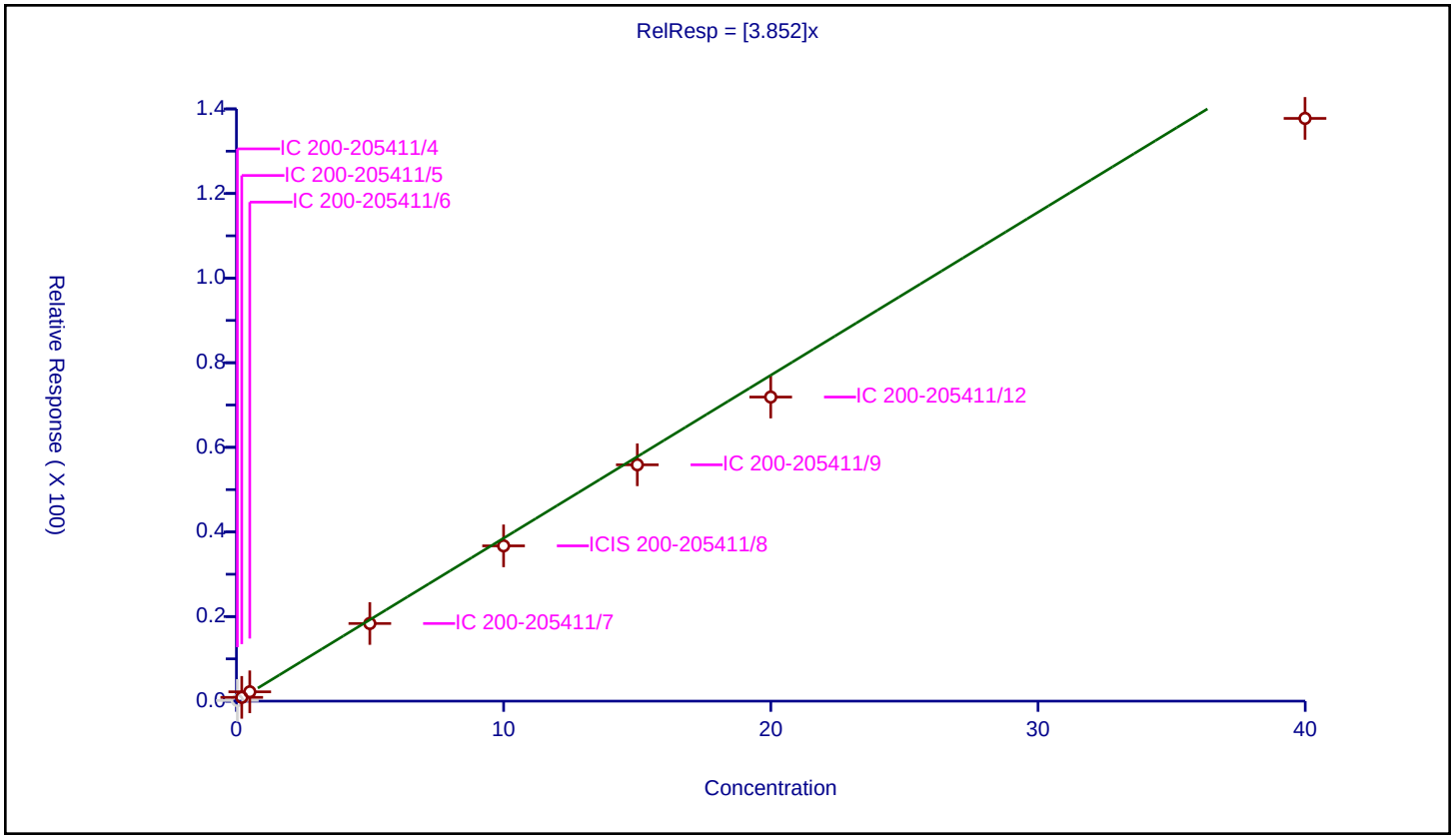
Curve Coefficients

Intercept:	0
Slope:	3.852

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.153899	10.0	350944.0	4.387475	N
2	IC 200-205411/5	0.20044	0.891985	10.0	354849.0	4.450142	Y
3	IC 200-205411/6	0.500453	2.204404	10.0	345277.0	4.404821	Y
4	IC 200-205411/7	4.992563	18.356803	10.0	365927.0	3.67683	Y
5	ICIS 200-205411/8	9.99806	36.711322	10.0	370316.0	3.671845	Y
6	IC 200-205411/9	15.003557	55.868608	10.0	362563.0	3.723691	Y
7	IC 200-205411/12	19.99612	71.885605	10.0	377550.0	3.594978	Y
8	IC 200-205411/13	39.99224	137.752516	10.0	376759.0	3.444481	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

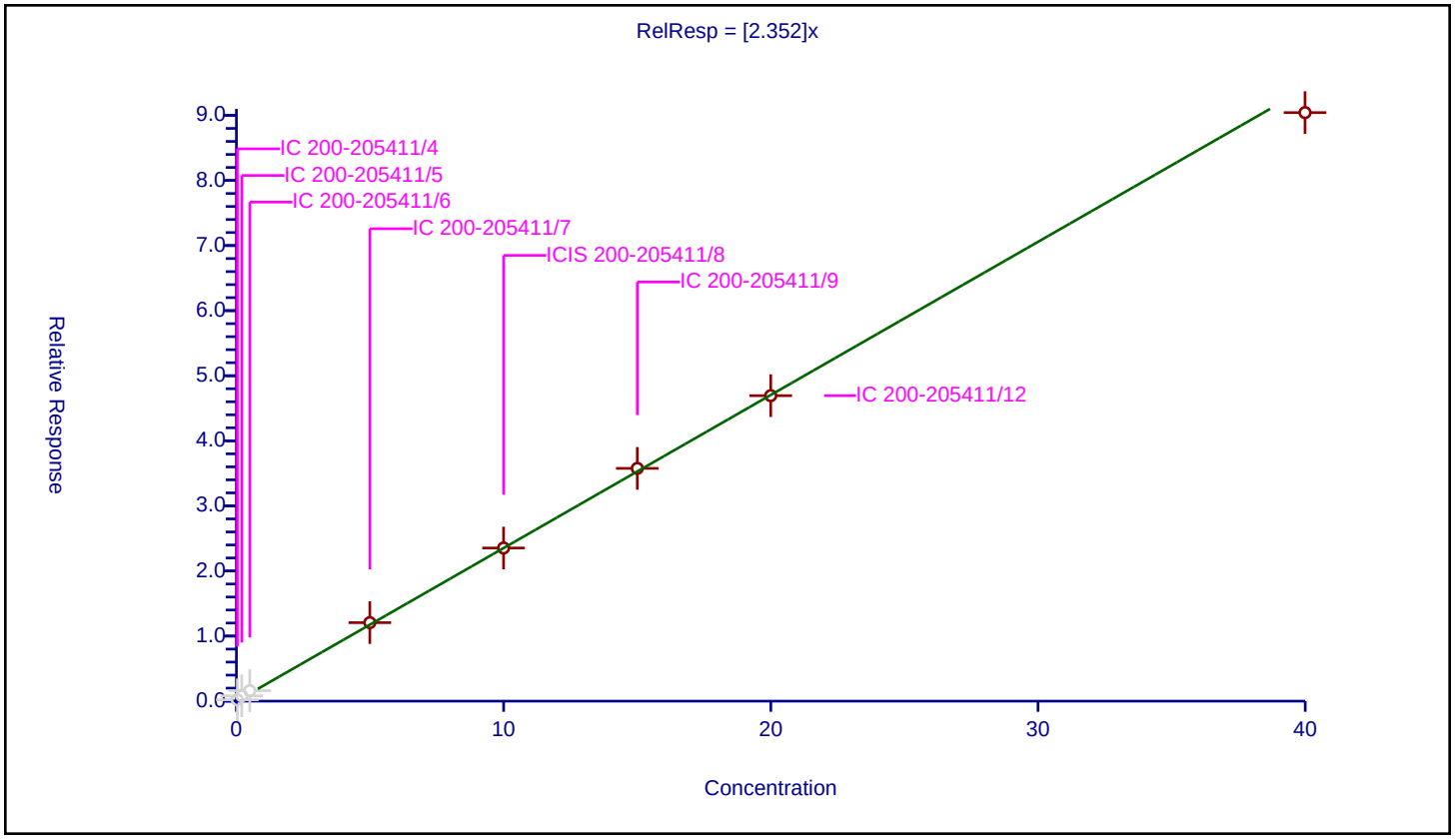
Curve Coefficients

Intercept:	0
Slope:	2.352

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.204591	10.0	350944.0	5.832636	N
2	IC 200-205411/5	0.20044	0.821223	10.0	354849.0	4.097106	N
3	IC 200-205411/6	0.500453	1.605175	10.0	345277.0	3.207447	N
4	IC 200-205411/7	4.992563	12.063308	10.0	365927.0	2.416256	Y
5	ICIS 200-205411/8	9.99806	23.529067	10.0	370316.0	2.353363	Y
6	IC 200-205411/9	15.003557	35.766032	10.0	362563.0	2.383837	Y
7	IC 200-205411/12	19.99612	46.935532	10.0	377550.0	2.347232	Y
8	IC 200-205411/13	39.99224	90.428656	10.0	376759.0	2.261155	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

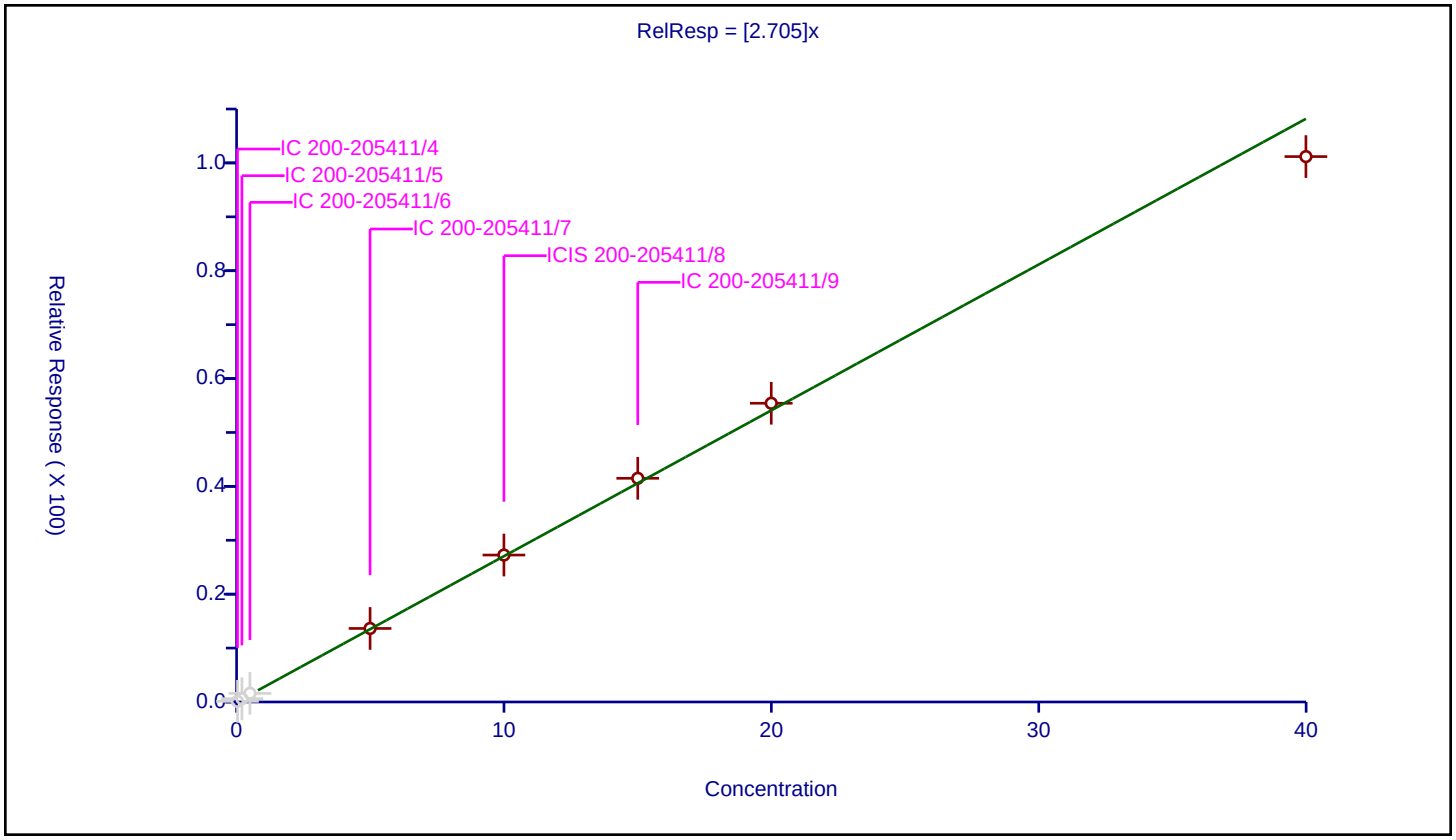
Curve Coefficients

Intercept:	0
Slope:	2.705

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.119307	10.0	350944.0	3.401288	N
2	IC 200-205411/5	0.20044	0.614092	10.0	354849.0	3.063726	N
3	IC 200-205411/6	0.500453	1.597674	10.0	345277.0	3.192458	N
4	IC 200-205411/7	4.992563	13.64018	10.0	365927.0	2.7321	Y
5	ICIS 200-205411/8	9.99806	27.260475	10.0	370316.0	2.726576	Y
6	IC 200-205411/9	15.003557	41.495878	10.0	362563.0	2.765736	Y
7	IC 200-205411/12	19.99612	55.41674	10.0	377550.0	2.771375	Y
8	IC 200-205411/13	39.99224	101.176853	10.0	376759.0	2.529912	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

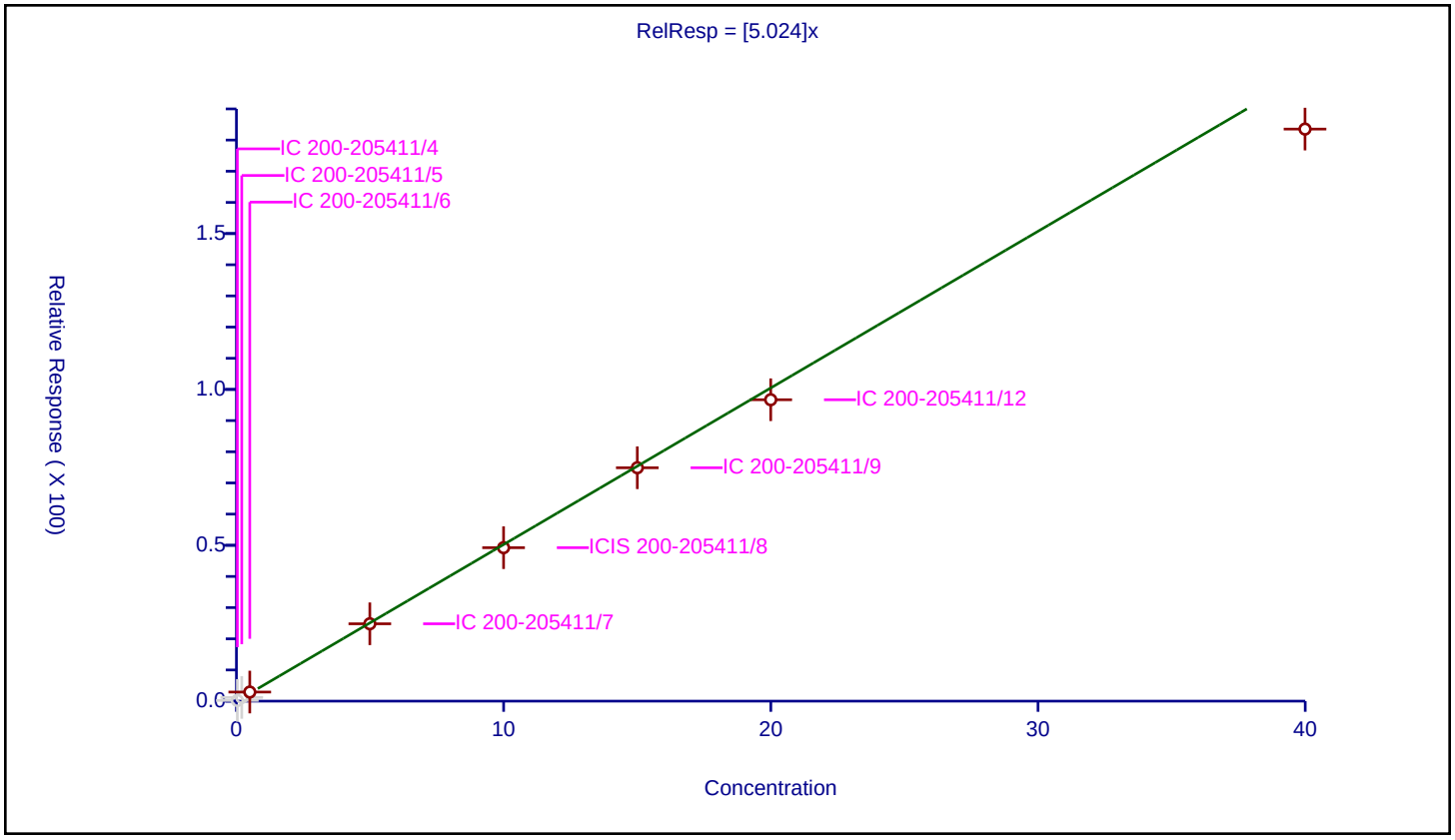
Curve Coefficients

Intercept:	0
Slope:	5.024

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.214308	10.0	350944.0	6.109646	N
2	IC 200-205411/5	0.20044	1.184109	10.0	354849.0	5.90756	N
3	IC 200-205411/6	0.500453	2.921191	10.0	345277.0	5.837098	Y
4	IC 200-205411/7	4.992563	24.819021	10.0	365927.0	4.971199	Y
5	ICIS 200-205411/8	9.99806	49.225121	10.0	370316.0	4.923467	Y
6	IC 200-205411/9	15.003557	74.874022	10.0	362563.0	4.990418	Y
7	IC 200-205411/12	19.99612	96.693233	10.0	377550.0	4.8356	Y
8	IC 200-205411/13	39.99224	183.52326	10.0	376759.0	4.588972	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

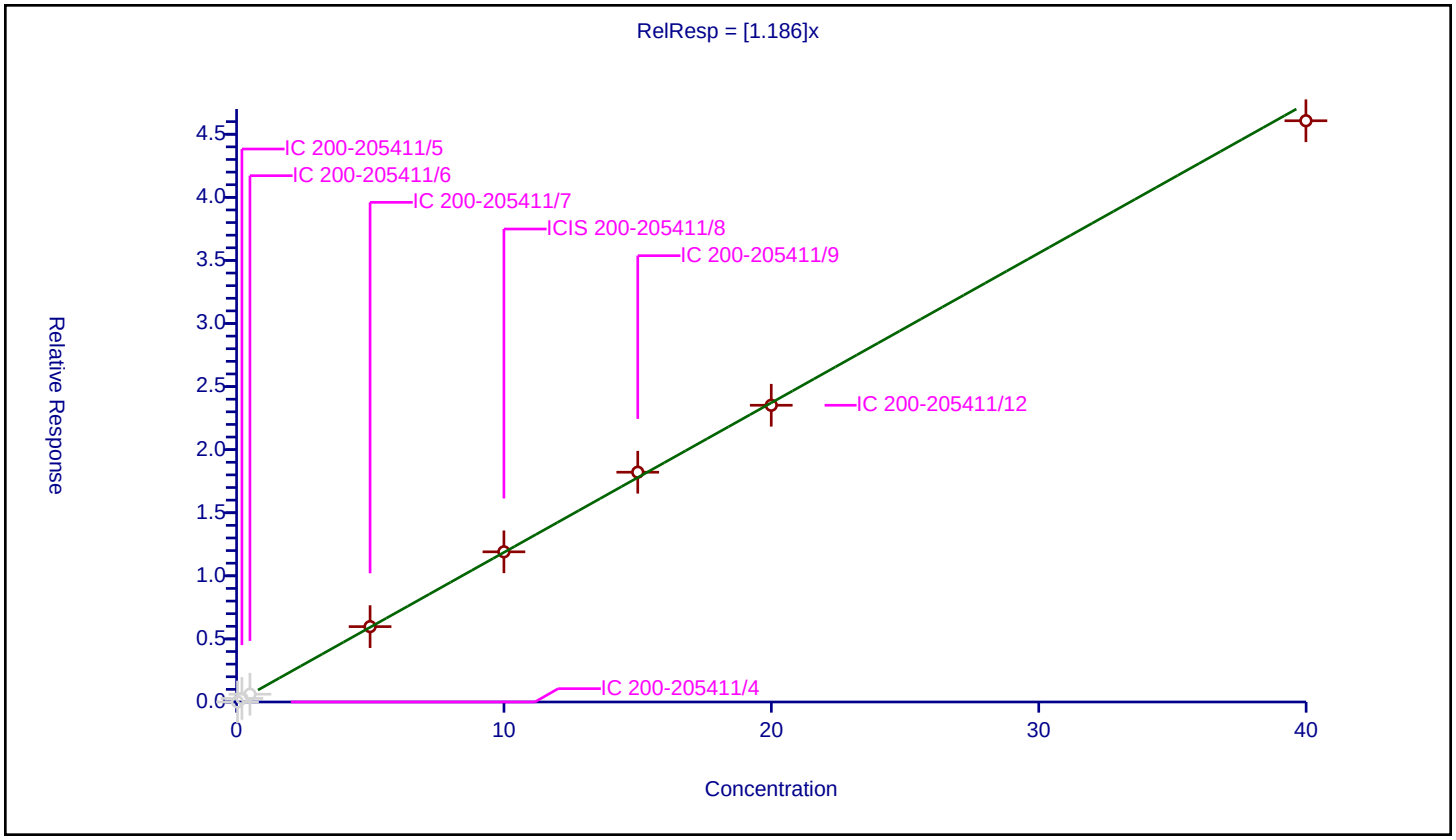
Curve Coefficients

Intercept:	0
Slope:	1.186

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.0	10.0	350944.0	0.0	N
2	IC 200-205411/5	0.20044	0.28243	10.0	354849.0	1.409052	N
3	IC 200-205411/6	0.500453	0.616722	10.0	345277.0	1.232329	N
4	IC 200-205411/7	4.992563	5.973432	10.0	365927.0	1.196466	Y
5	ICIS 200-205411/8	9.99806	11.903185	10.0	370316.0	1.19055	Y
6	IC 200-205411/9	15.003557	18.211152	10.0	362563.0	1.213789	Y
7	IC 200-205411/12	19.99612	23.519216	10.0	377550.0	1.176189	Y
8	IC 200-205411/13	39.99224	46.069609	10.0	376759.0	1.151964	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

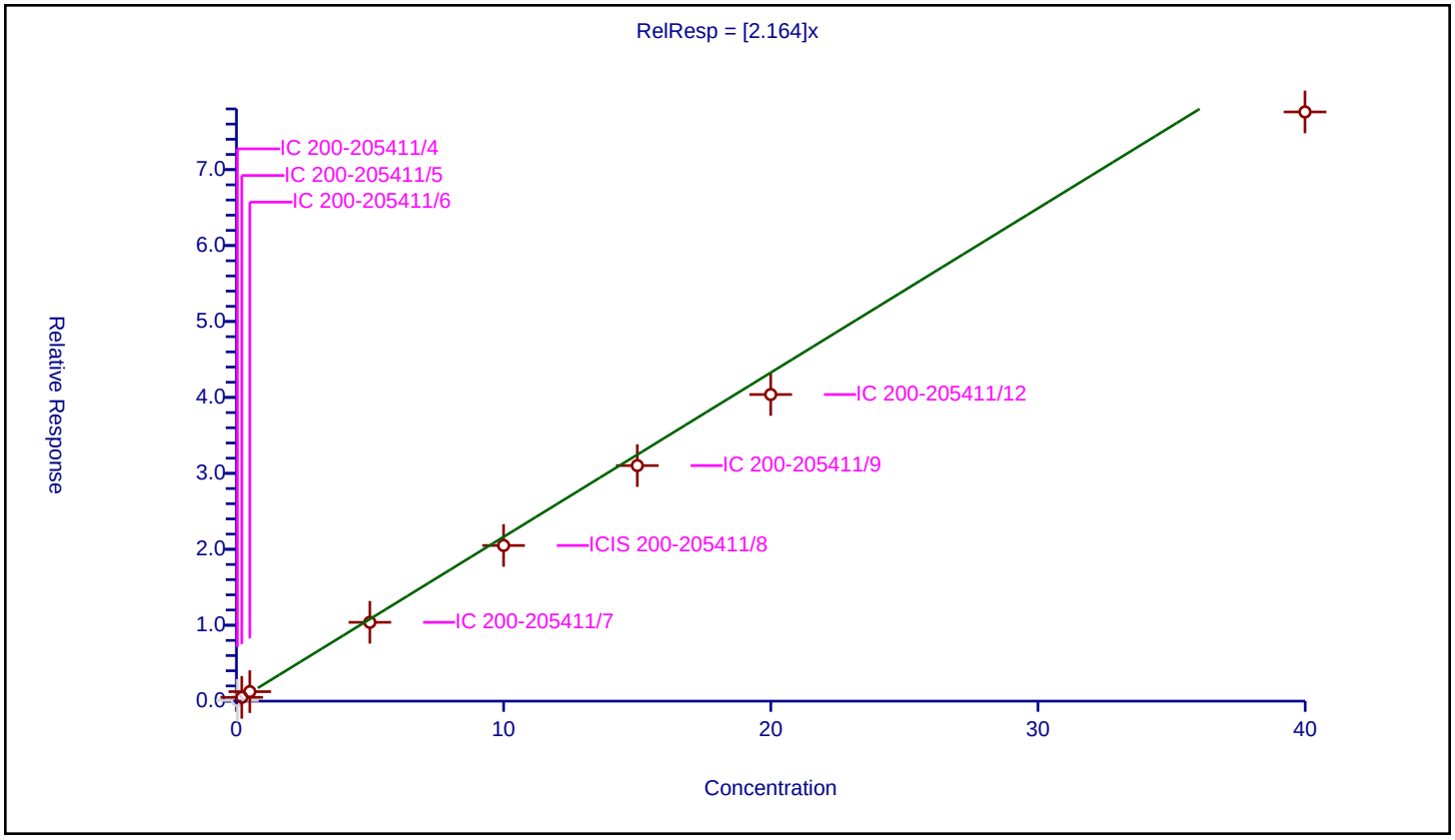
Curve Coefficients

Intercept:	0
Slope:	2.164

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.094004	10.0	350944.0	2.679926	N
2	IC 200-205411/5	0.20044	0.498494	10.0	354849.0	2.487001	Y
3	IC 200-205411/6	0.500453	1.251633	10.0	345277.0	2.501002	Y
4	IC 200-205411/7	4.992563	10.381114	10.0	365927.0	2.079316	Y
5	ICIS 200-205411/8	9.99806	20.500626	10.0	370316.0	2.05046	Y
6	IC 200-205411/9	15.003557	31.02567	10.0	362563.0	2.067888	Y
7	IC 200-205411/12	19.99612	40.38424	10.0	377550.0	2.019604	Y
8	IC 200-205411/13	39.99224	77.601172	10.0	376759.0	1.940406	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

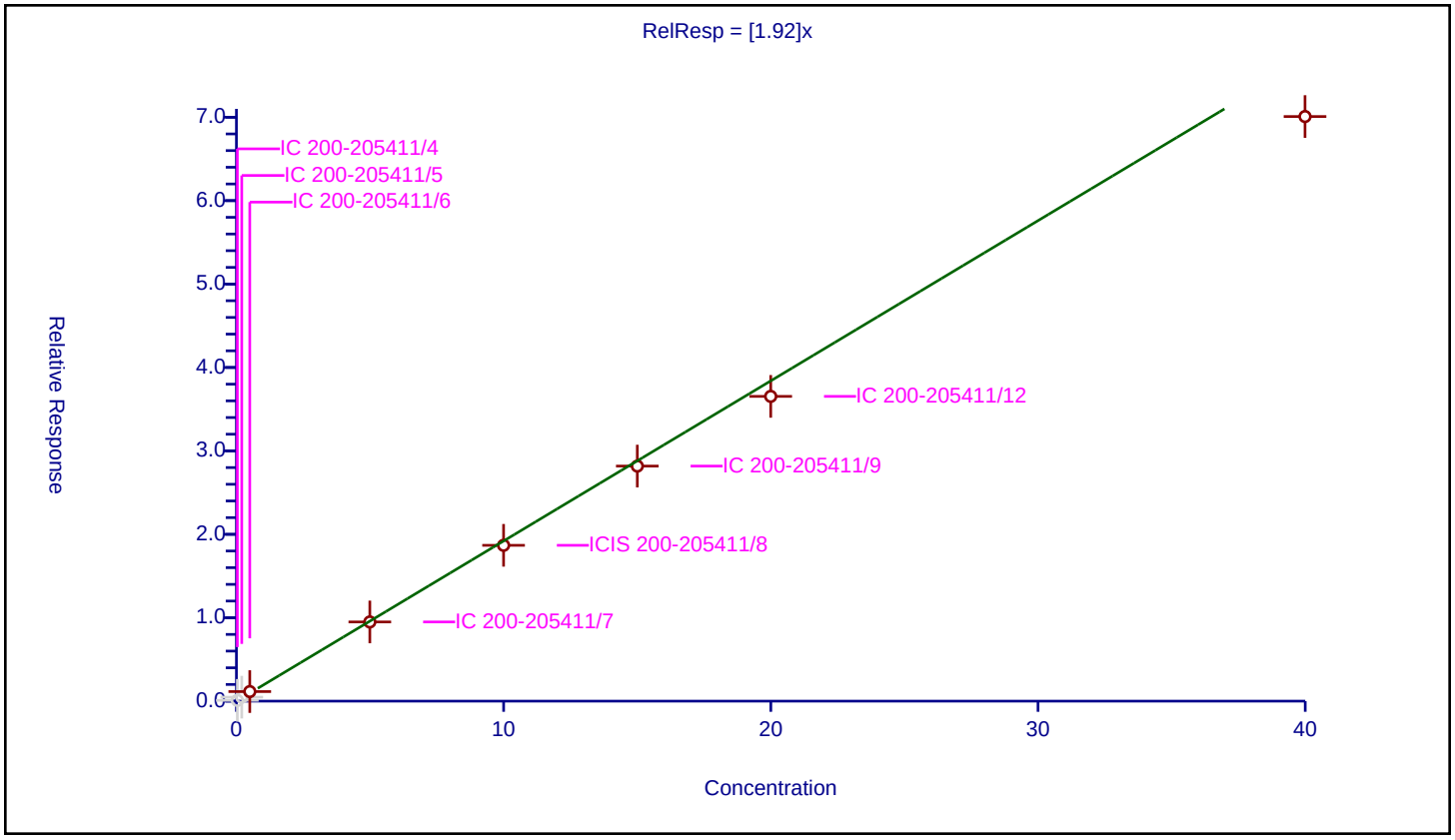
Curve Coefficients

Intercept:	0
Slope:	1.92

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.094944	10.0	350944.0	2.706733	N
2	IC 200-205411/5	0.20044	0.477302	10.0	354849.0	2.381273	N
3	IC 200-205411/6	0.500453	1.147398	10.0	345277.0	2.29272	Y
4	IC 200-205411/7	4.992563	9.495637	10.0	365927.0	1.901956	Y
5	ICIS 200-205411/8	9.99806	18.68091	10.0	370316.0	1.868454	Y
6	IC 200-205411/9	15.003557	28.17811	10.0	362563.0	1.878095	Y
7	IC 200-205411/12	19.99612	36.536167	10.0	377550.0	1.827163	Y
8	IC 200-205411/13	39.99224	70.082387	10.0	376759.0	1.7524	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

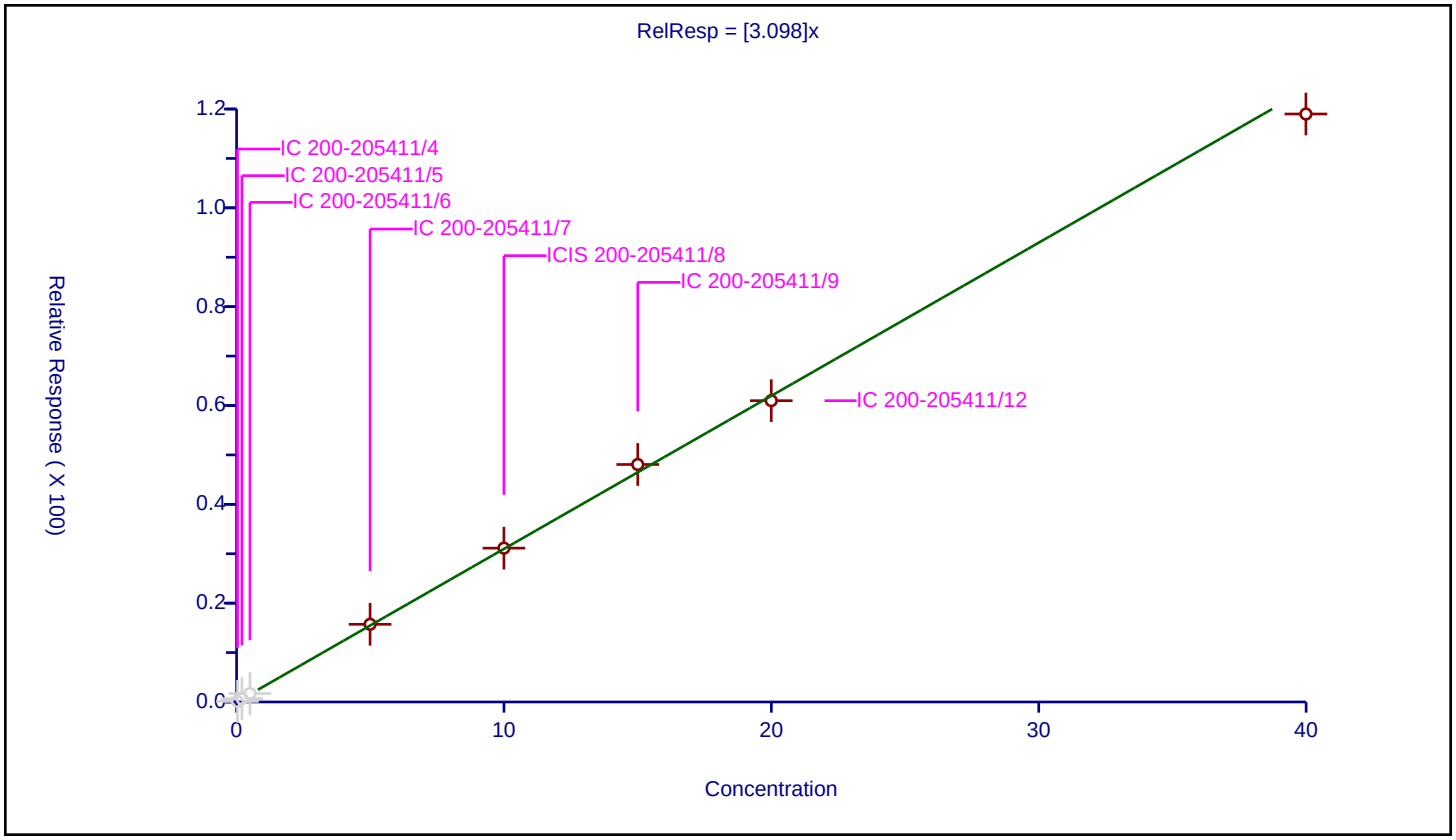
Curve Coefficients

Intercept:	0
Slope:	3.098

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.120048	10.0	350944.0	3.422409	N
2	IC 200-205411/5	0.20044	0.665889	10.0	354849.0	3.322141	N
3	IC 200-205411/6	0.500453	1.704313	10.0	345277.0	3.405543	N
4	IC 200-205411/7	4.992563	15.721469	10.0	365927.0	3.148978	Y
5	ICIS 200-205411/8	9.99806	31.134788	10.0	370316.0	3.114083	Y
6	IC 200-205411/9	15.003557	48.066377	10.0	362563.0	3.203665	Y
7	IC 200-205411/12	19.99612	60.979711	10.0	377550.0	3.049577	Y
8	IC 200-205411/13	39.99224	118.988505	10.0	376759.0	2.97529	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

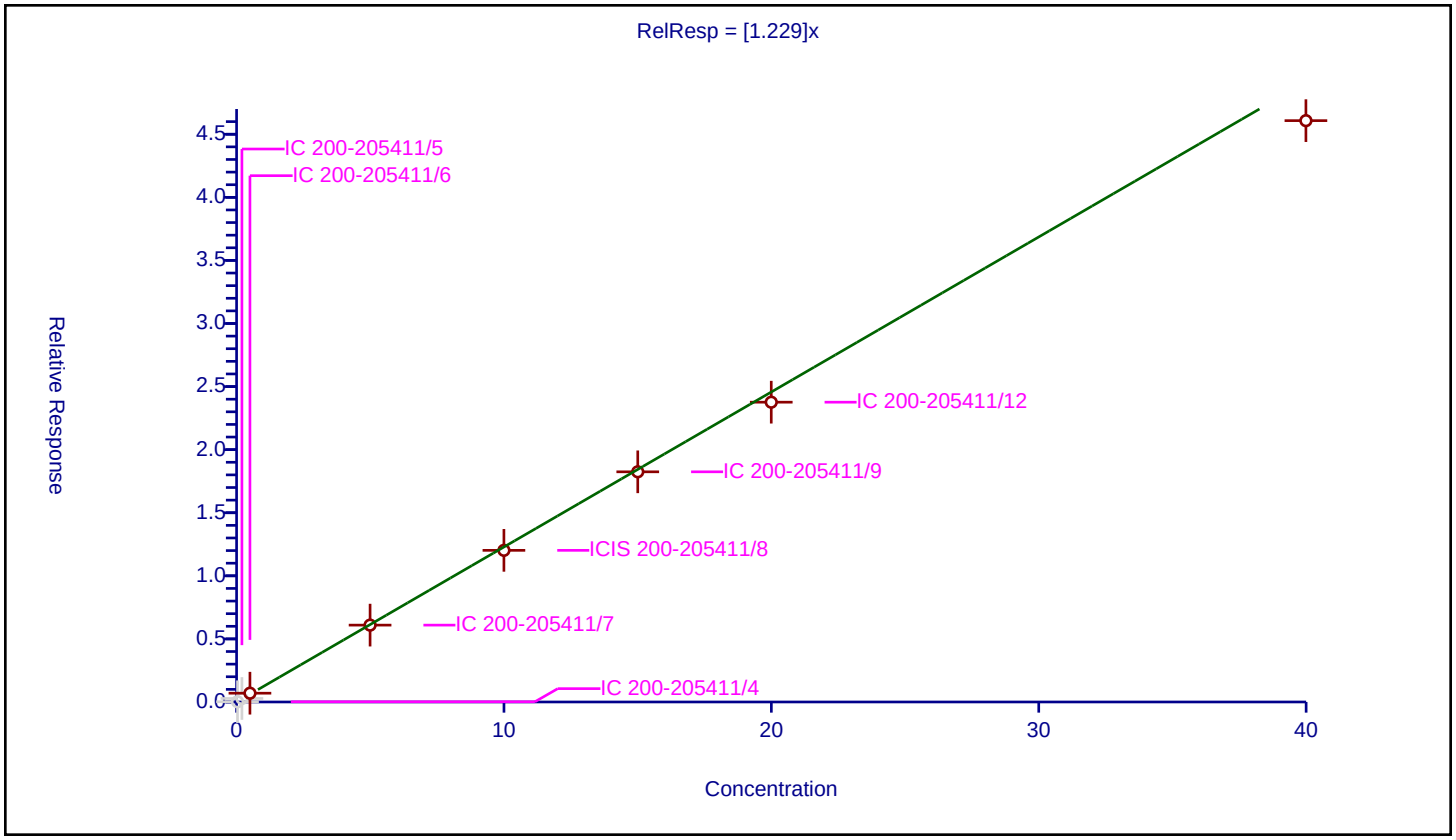
Curve Coefficients

Intercept:	0
Slope:	1.229

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.018692	10.0	350944.0	0.532898	N
2	IC 200-205411/5	0.20044	0.278851	10.0	354849.0	1.391197	N
3	IC 200-205411/6	0.500453	0.696919	10.0	345277.0	1.392577	Y
4	IC 200-205411/7	4.992563	6.092937	10.0	365927.0	1.220403	Y
5	ICIS 200-205411/8	9.99806	12.0186	10.0	370316.0	1.202093	Y
6	IC 200-205411/9	15.003557	18.244829	10.0	362563.0	1.216034	Y
7	IC 200-205411/12	19.99612	23.762363	10.0	377550.0	1.188349	Y
8	IC 200-205411/13	39.99224	46.077386	10.0	376759.0	1.152158	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

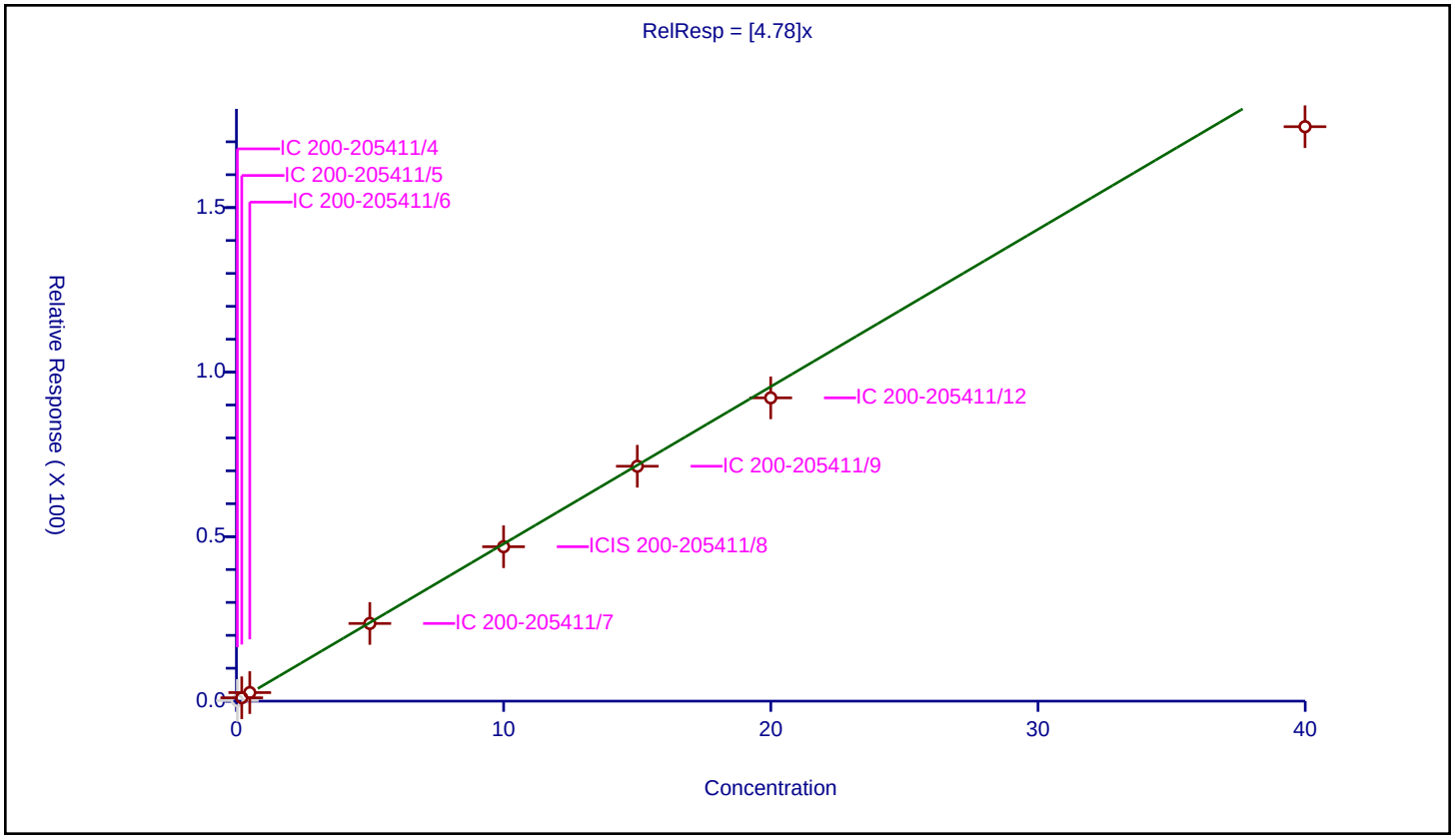
Curve Coefficients

Intercept:	0
Slope:	4.78

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.185956	10.0	350944.0	5.301363	N
2	IC 200-205411/5	0.20044	1.022435	10.0	354849.0	5.100961	Y
3	IC 200-205411/6	0.500453	2.602287	10.0	345277.0	5.199868	Y
4	IC 200-205411/7	4.992563	23.611485	10.0	365927.0	4.729332	Y
5	ICIS 200-205411/8	9.99806	46.928542	10.0	370316.0	4.693765	Y
6	IC 200-205411/9	15.003557	71.393496	10.0	362563.0	4.758438	Y
7	IC 200-205411/12	19.99612	92.182492	10.0	377550.0	4.610019	Y
8	IC 200-205411/13	39.99224	174.591848	10.0	376759.0	4.365643	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

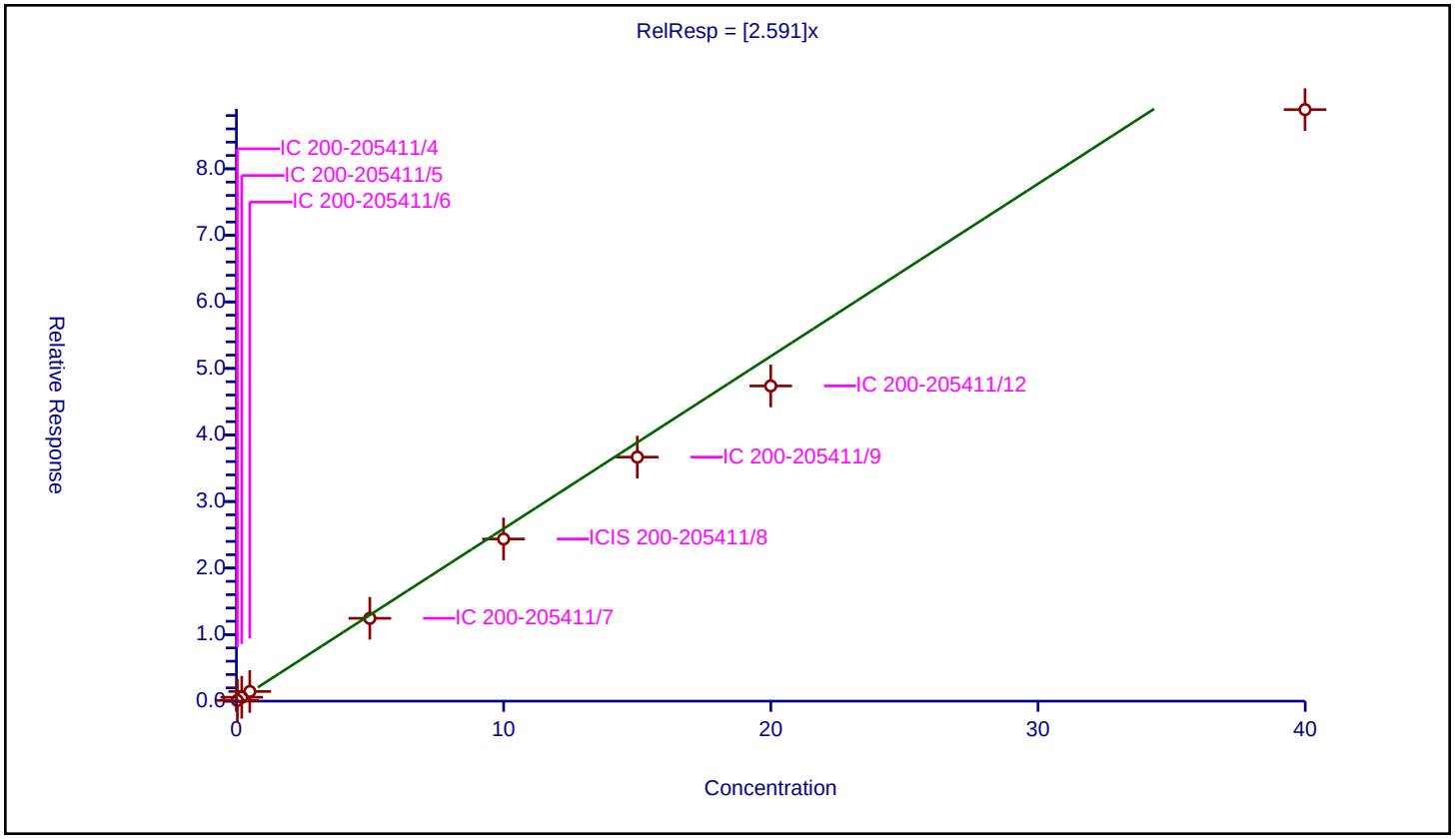
Curve Coefficients

Intercept:	0
Slope:	2.591

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.104119	10.0	350944.0	2.968308	Y
2	IC 200-205411/5	0.20044	0.581149	10.0	354849.0	2.899369	Y
3	IC 200-205411/6	0.500453	1.449532	10.0	345277.0	2.896442	Y
4	IC 200-205411/7	4.992563	12.449806	10.0	365927.0	2.49367	Y
5	ICIS 200-205411/8	9.99806	24.368323	10.0	370316.0	2.437305	Y
6	IC 200-205411/9	15.003557	36.670372	10.0	362563.0	2.444112	Y
7	IC 200-205411/12	19.99612	47.36856	10.0	377550.0	2.368888	Y
8	IC 200-205411/13	39.99224	88.893776	10.0	376759.0	2.222776	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

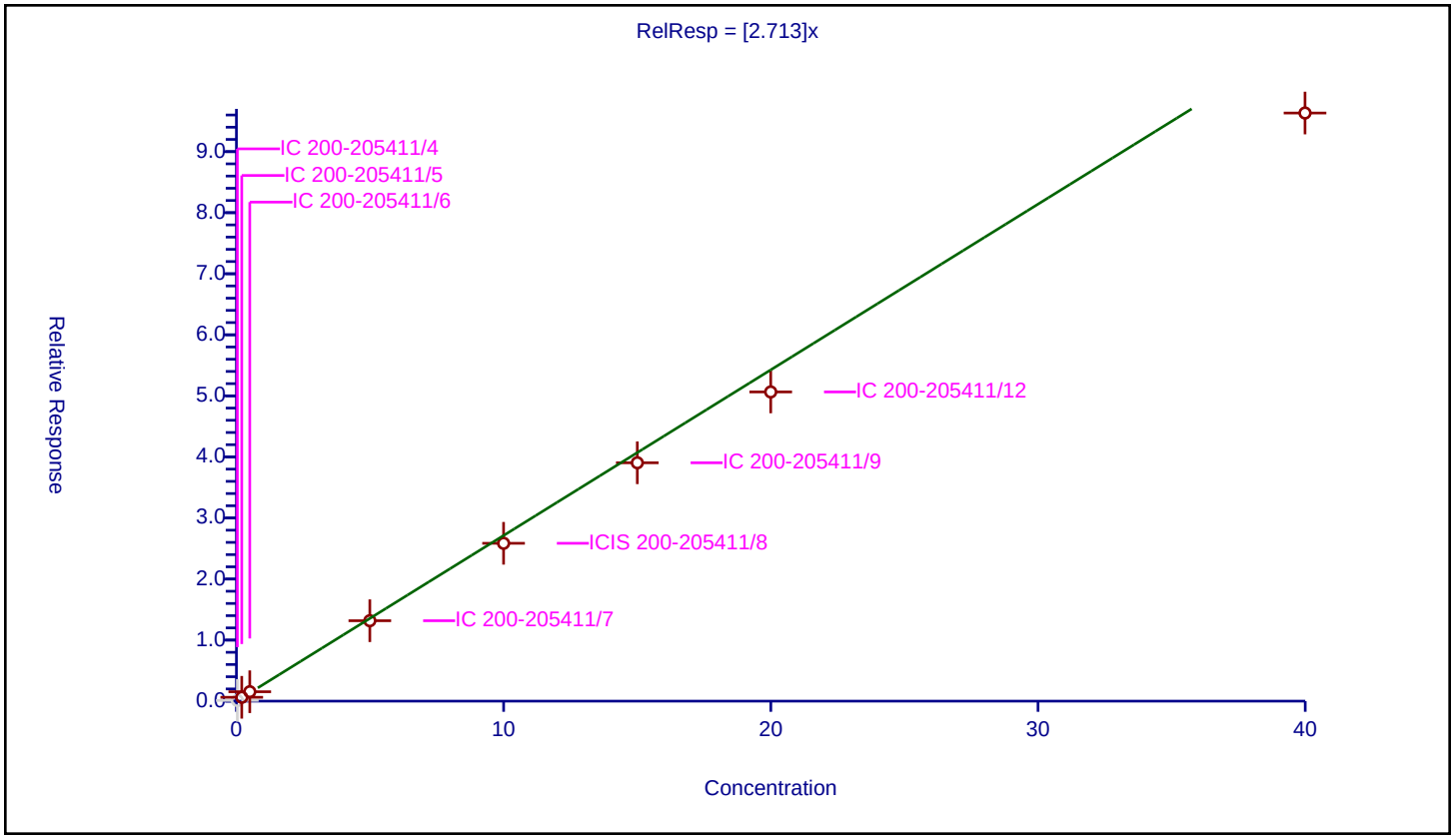
Curve Coefficients

Intercept:	0
Slope:	2.713

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.117312	10.0	350944.0	3.344424	N
2	IC 200-205411/5	0.20044	0.62962	10.0	354849.0	3.141194	Y
3	IC 200-205411/6	0.500453	1.54337	10.0	345277.0	3.083948	Y
4	IC 200-205411/7	4.992563	13.170851	10.0	365927.0	2.638094	Y
5	ICIS 200-205411/8	9.99806	25.854405	10.0	370316.0	2.585942	Y
6	IC 200-205411/9	15.003557	39.04138	10.0	362563.0	2.602142	Y
7	IC 200-205411/12	19.99612	50.641557	10.0	377550.0	2.532569	Y
8	IC 200-205411/13	39.99224	96.32383	10.0	376759.0	2.408563	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

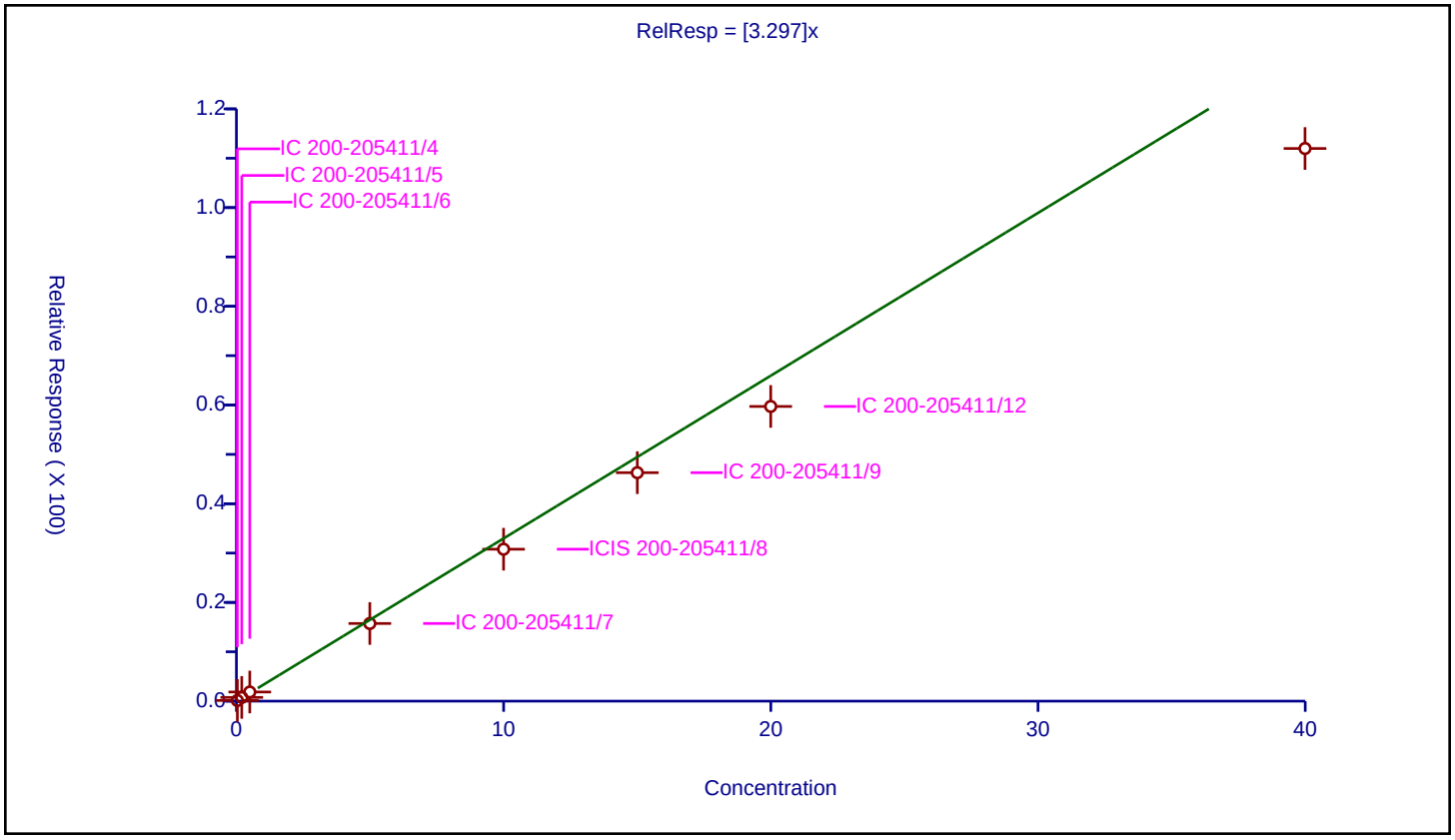
Curve Coefficients

Intercept:	0
Slope:	3.297

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.134352	10.0	350944.0	3.830206	Y
2	IC 200-205411/5	0.20044	0.750911	10.0	354849.0	3.746319	Y
3	IC 200-205411/6	0.500453	1.851383	10.0	345277.0	3.699418	Y
4	IC 200-205411/7	4.992563	15.735379	10.0	365927.0	3.151764	Y
5	ICIS 200-205411/8	9.99806	30.786274	10.0	370316.0	3.079225	Y
6	IC 200-205411/9	15.003557	46.292424	10.0	362563.0	3.08543	Y
7	IC 200-205411/12	19.99612	59.711032	10.0	377550.0	2.986131	Y
8	IC 200-205411/13	39.99224	111.974127	10.0	376759.0	2.799896	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

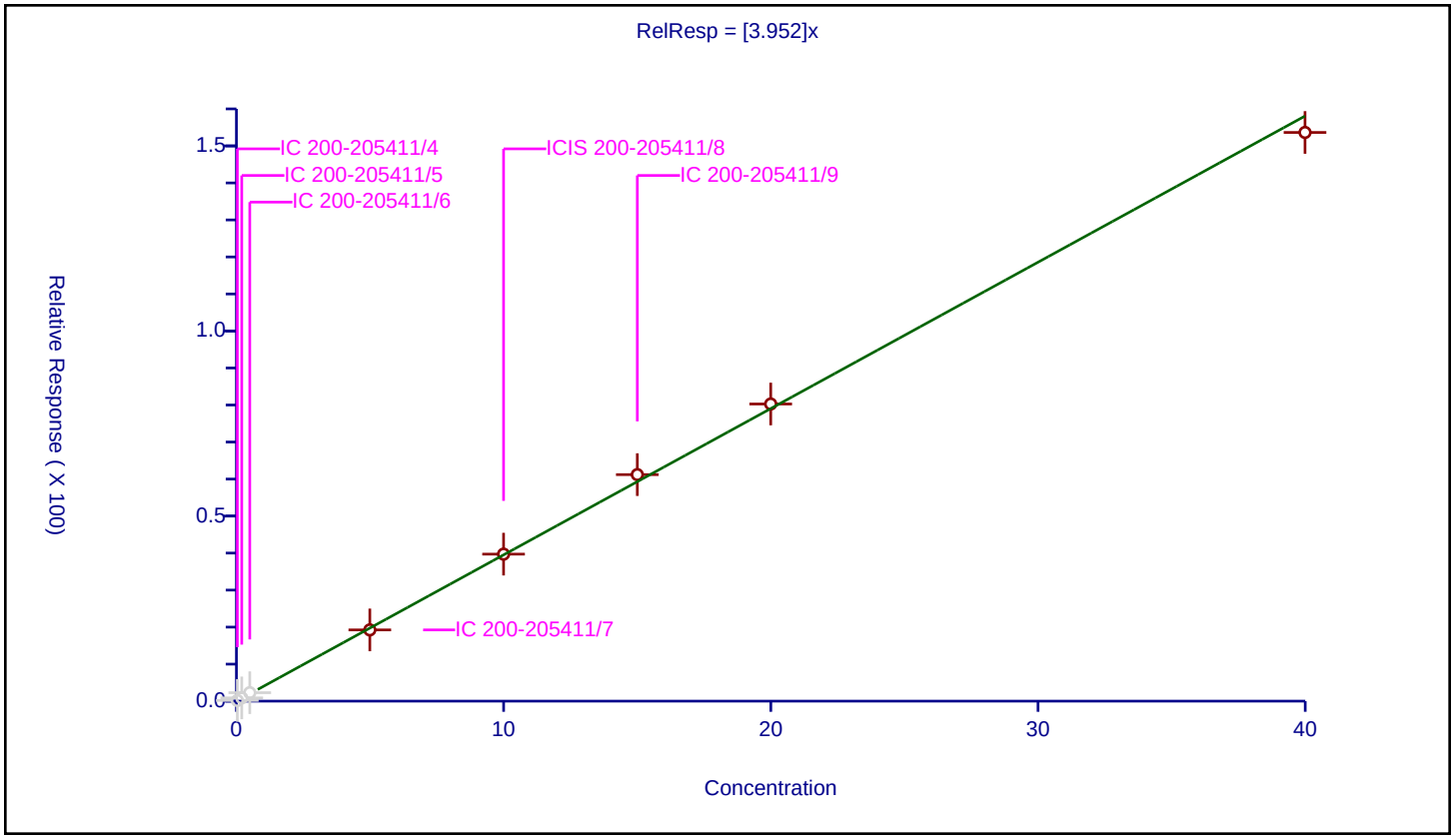
Curve Coefficients

Intercept:	0
Slope:	3.952

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.182337	10.0	350944.0	5.198195	N
2	IC 200-205411/5	0.20044	0.884292	10.0	354849.0	4.41176	N
3	IC 200-205411/6	0.500453	2.284543	10.0	345277.0	4.564953	N
4	IC 200-205411/7	4.992563	19.246516	10.0	365927.0	3.855037	Y
5	ICIS 200-205411/8	9.99806	39.712732	10.0	370316.0	3.972044	Y
6	IC 200-205411/9	15.003557	61.195461	10.0	362563.0	4.07873	Y
7	IC 200-205411/12	19.99612	80.278082	10.0	377550.0	4.014683	Y
8	IC 200-205411/13	39.99224	153.633782	10.0	376759.0	3.84159	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

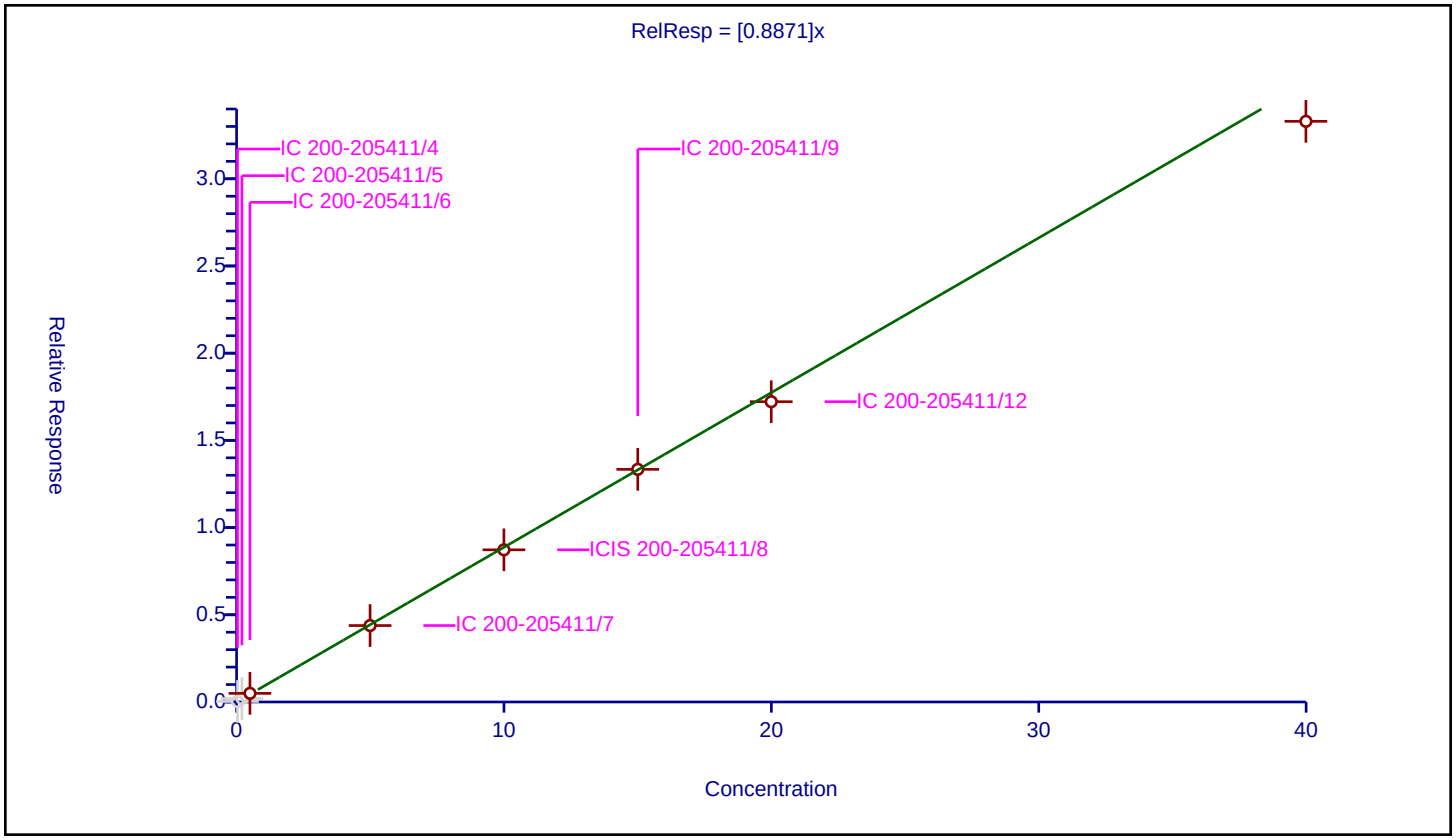
Curve Coefficients

Intercept:	0
Slope:	0.8871

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.031316	10.0	350944.0	0.892767	N
2	IC 200-205411/5	0.20044	0.198197	10.0	354849.0	0.988811	N
3	IC 200-205411/6	0.500453	0.494907	10.0	345277.0	0.988919	Y
4	IC 200-205411/7	4.992563	4.383607	10.0	365927.0	0.878027	Y
5	ICIS 200-205411/8	9.99806	8.725926	10.0	370316.0	0.872762	Y
6	IC 200-205411/9	15.003557	13.339061	10.0	362563.0	0.88906	Y
7	IC 200-205411/12	19.99612	17.21764	10.0	377550.0	0.861049	Y
8	IC 200-205411/13	39.99224	33.293299	10.0	376759.0	0.832494	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

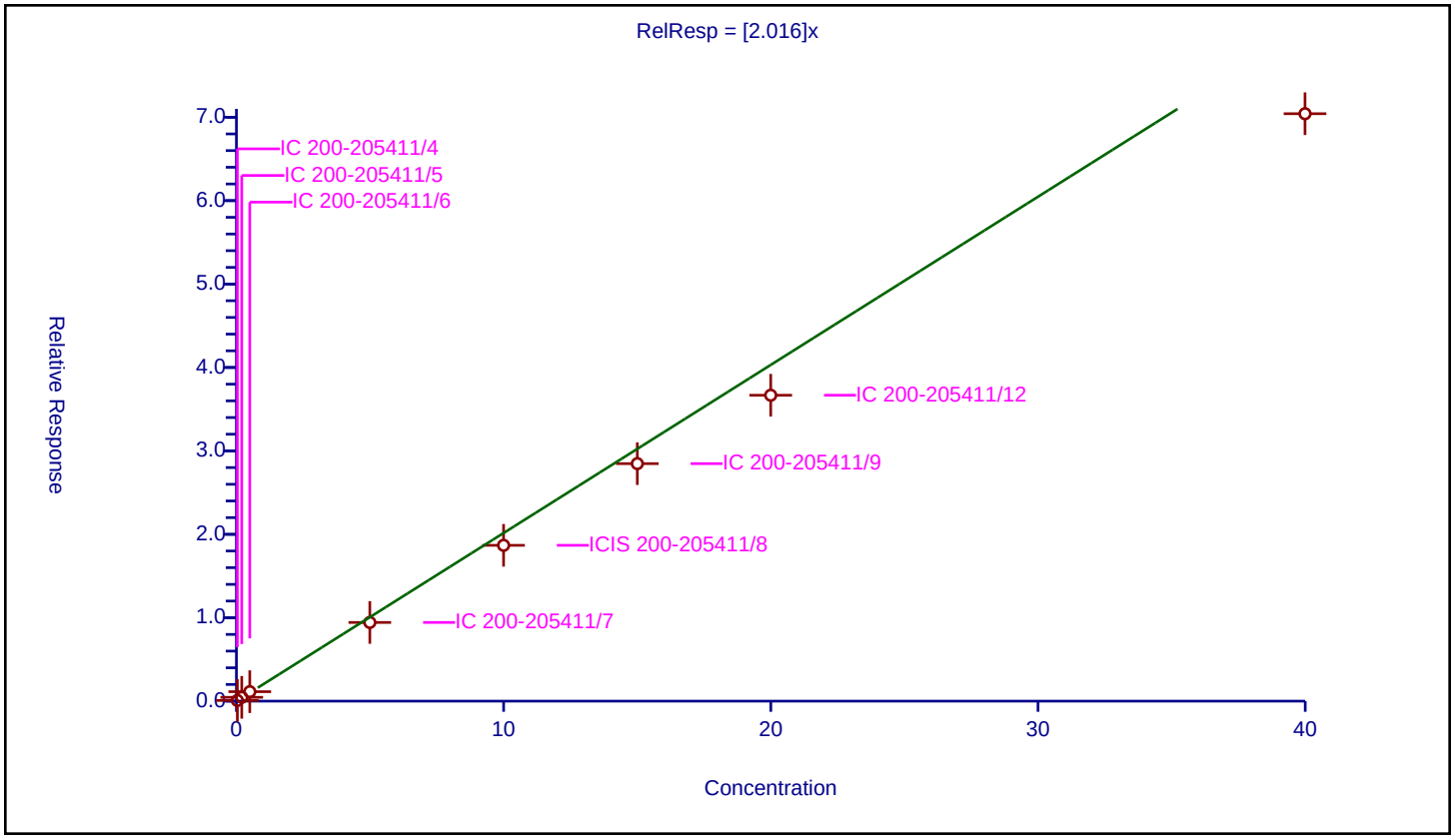
Curve Coefficients

Intercept:	0
Slope:	2.016

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.081551	10.0	350944.0	2.324931	Y
2	IC 200-205411/5	0.20044	0.457744	10.0	354849.0	2.2837	Y
3	IC 200-205411/6	0.500453	1.134017	10.0	345277.0	2.265983	Y
4	IC 200-205411/7	4.992563	9.434669	10.0	365927.0	1.889745	Y
5	ICIS 200-205411/8	9.99806	18.678939	10.0	370316.0	1.868256	Y
6	IC 200-205411/9	15.003557	28.473038	10.0	362563.0	1.897753	Y
7	IC 200-205411/12	19.99612	36.672467	10.0	377550.0	1.833979	Y
8	IC 200-205411/13	39.99224	70.423294	10.0	376759.0	1.760924	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

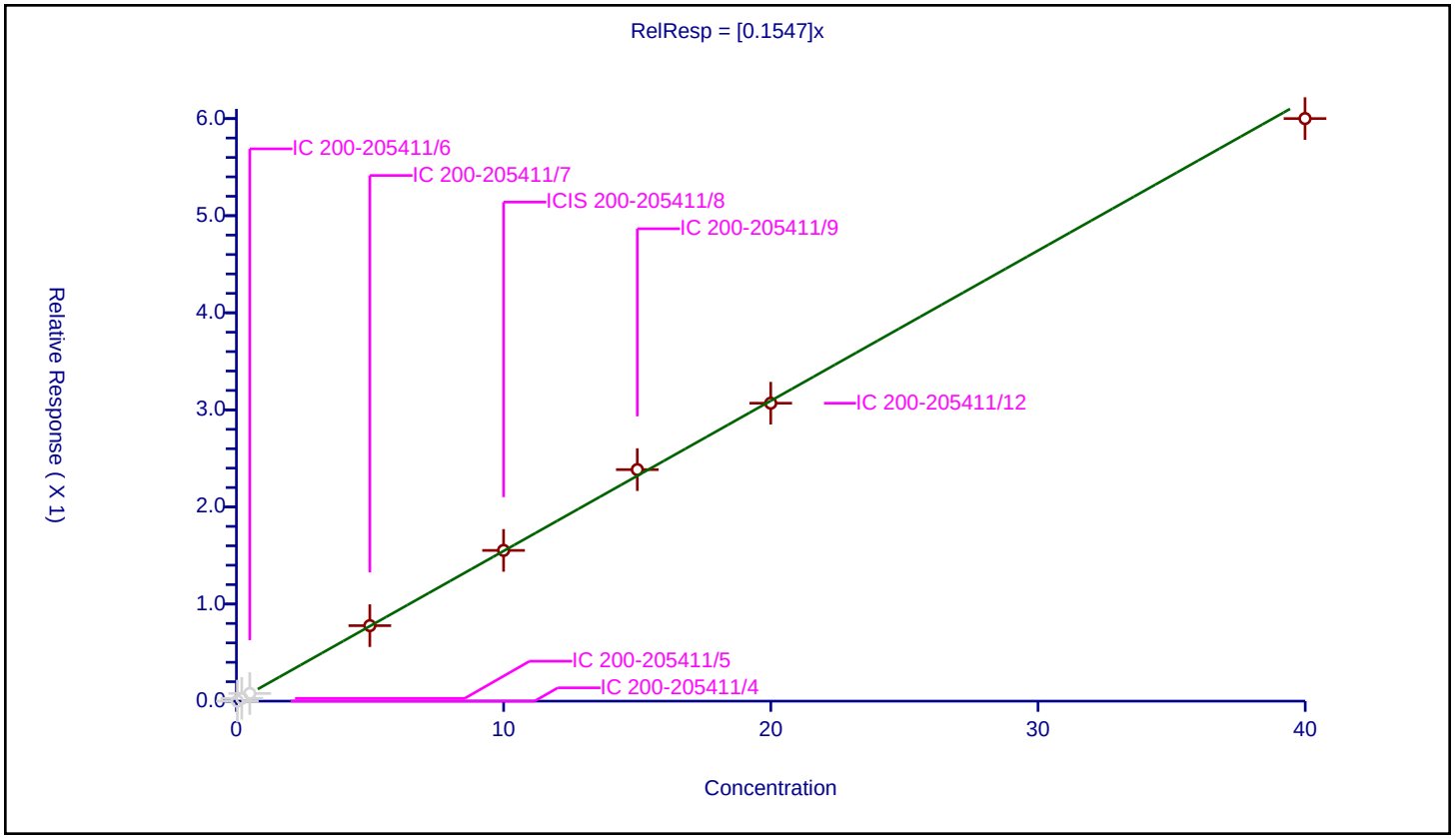
Curve Coefficients

Intercept:	0
Slope:	0.1547

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.0	10.0	350944.0	0.0	N
2	IC 200-205411/5	0.20044	0.028294	10.0	354849.0	0.141158	N
3	IC 200-205411/6	0.500453	0.079125	10.0	345277.0	0.158107	N
4	IC 200-205411/7	4.992563	0.777559	10.0	365927.0	0.155744	Y
5	ICIS 200-205411/8	9.99806	1.552539	10.0	370316.0	0.155284	Y
6	IC 200-205411/9	15.003557	2.384689	10.0	362563.0	0.158942	Y
7	IC 200-205411/12	19.99612	3.0686	10.0	377550.0	0.15346	Y
8	IC 200-205411/13	39.99224	6.000175	10.0	376759.0	0.150033	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

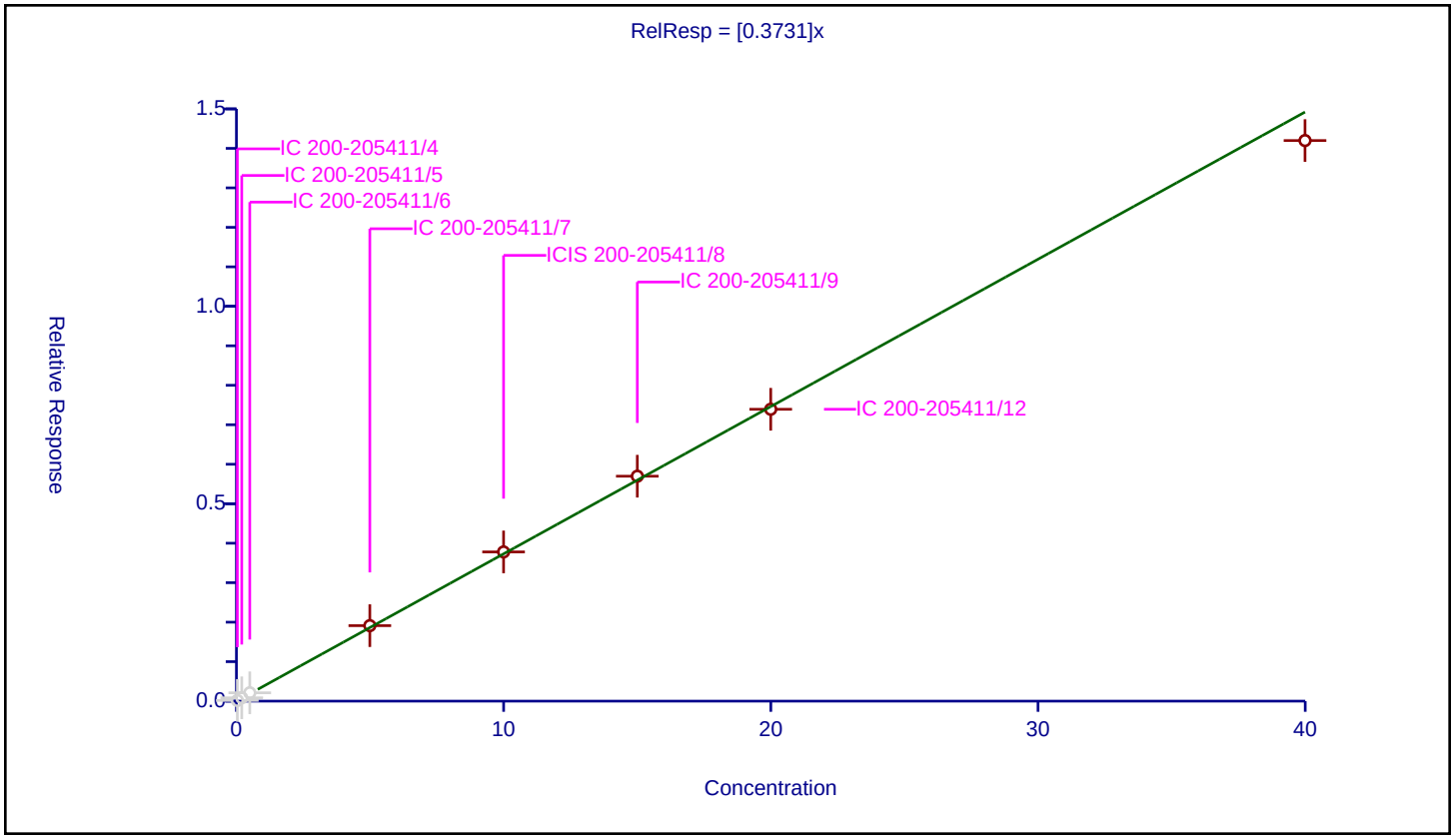
Curve Coefficients

Intercept:	0
Slope:	0.3731

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.017443	10.0	1713534.0	0.497292	N
2	IC 200-205411/5	0.20044	0.084541	10.0	1732181.0	0.421777	N
3	IC 200-205411/6	0.500453	0.211272	10.0	1680866.0	0.422162	N
4	IC 200-205411/7	4.992563	1.911868	10.0	1776734.0	0.382943	Y
5	ICIS 200-205411/8	9.99806	3.779588	10.0	1798262.0	0.378032	Y
6	IC 200-205411/9	15.003557	5.697024	10.0	1771783.0	0.379712	Y
7	IC 200-205411/12	19.99612	7.392432	10.0	1843407.0	0.369693	Y
8	IC 200-205411/13	39.99224	14.198017	10.0	1834971.0	0.355019	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

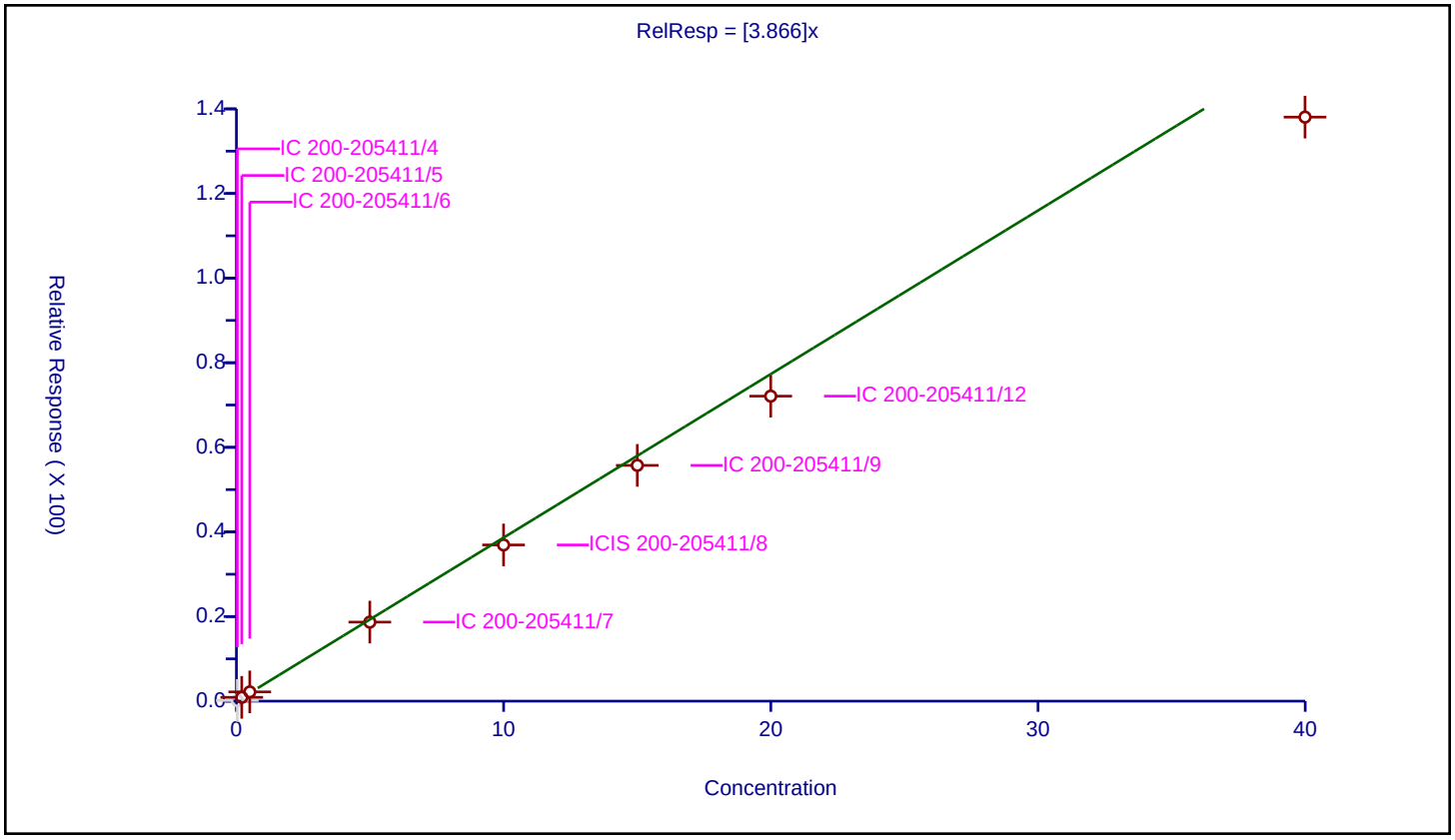
Curve Coefficients

Intercept:	0
Slope:	3.866

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.152275	10.0	350944.0	4.341171	N
2	IC 200-205411/5	0.20044	0.897537	10.0	354849.0	4.47784	Y
3	IC 200-205411/6	0.500453	2.189981	10.0	345277.0	4.376001	Y
4	IC 200-205411/7	4.992563	18.683918	10.0	365927.0	3.74235	Y
5	ICIS 200-205411/8	9.99806	36.920603	10.0	370316.0	3.692777	Y
6	IC 200-205411/9	15.003557	55.731087	10.0	362563.0	3.714525	Y
7	IC 200-205411/12	19.99612	72.096861	10.0	377550.0	3.605543	Y
8	IC 200-205411/13	39.99224	138.05706	10.0	376759.0	3.452096	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

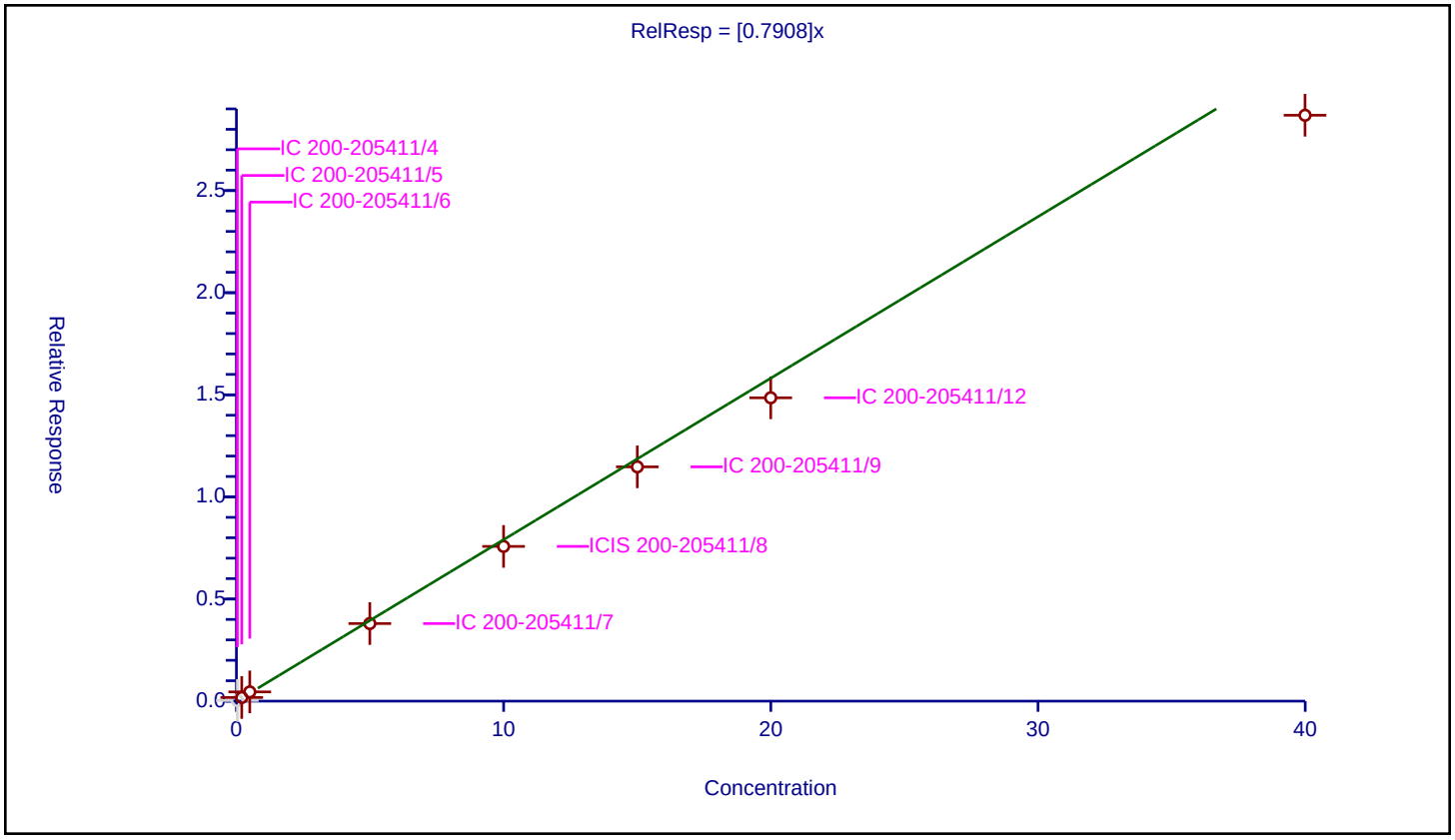
Curve Coefficients

Intercept:	0
Slope:	0.7908

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.031327	10.0	1713534.0	0.893096	N
2	IC 200-205411/5	0.20044	0.17751	10.0	1732181.0	0.885605	Y
3	IC 200-205411/6	0.500453	0.453397	10.0	1680866.0	0.905974	Y
4	IC 200-205411/7	4.992563	3.800276	10.0	1776734.0	0.761187	Y
5	ICIS 200-205411/8	9.99806	7.576082	10.0	1798262.0	0.757755	Y
6	IC 200-205411/9	15.003557	11.471619	10.0	1771783.0	0.764593	Y
7	IC 200-205411/12	19.99612	14.853486	10.0	1843407.0	0.742818	Y
8	IC 200-205411/13	39.99224	28.687718	10.0	1834971.0	0.717332	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

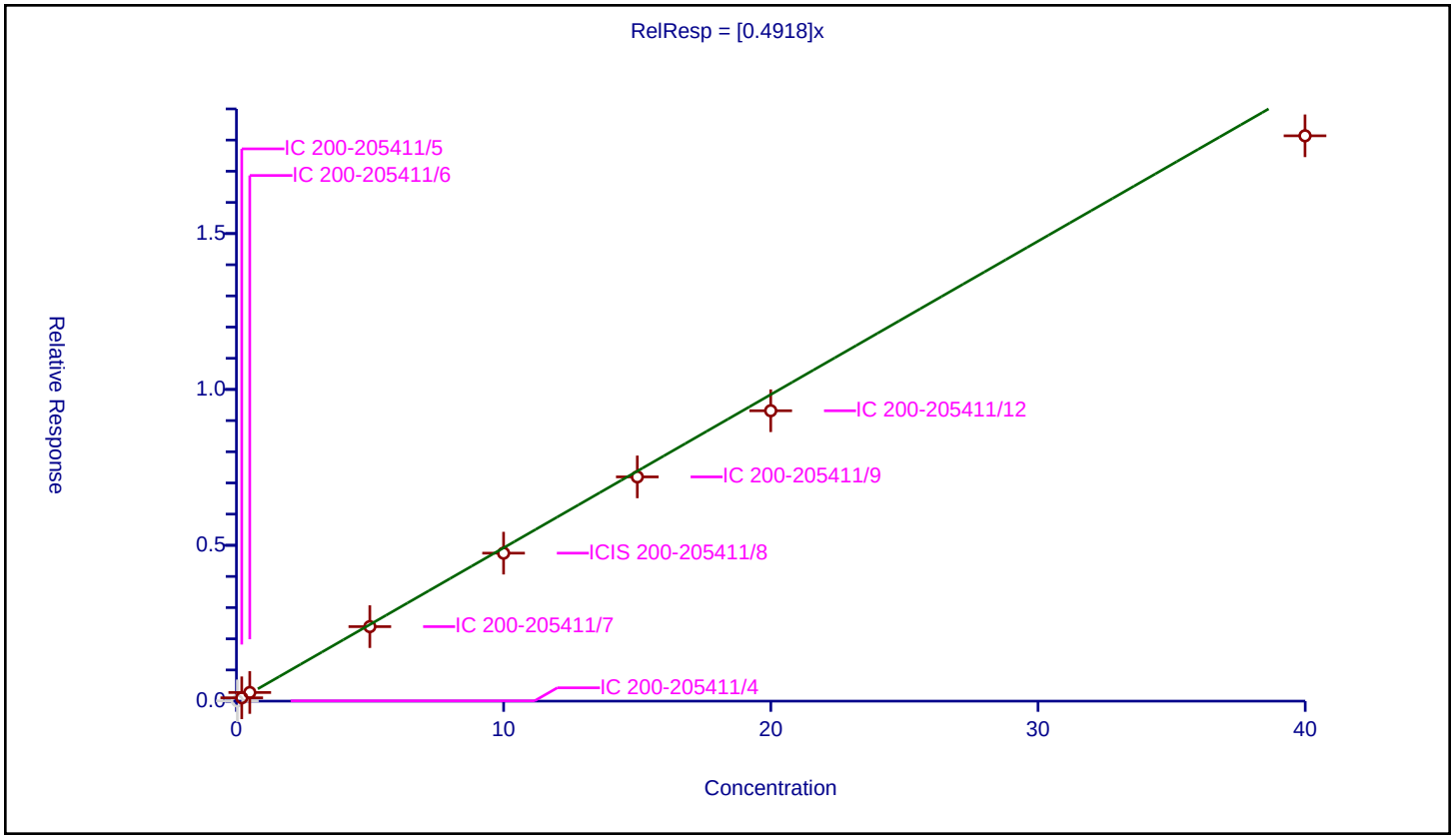
Curve Coefficients

Intercept:	0
Slope:	0.4918

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.008976	10.0	1713534.0	0.255883	N
2	IC 200-205411/5	0.20044	0.107414	10.0	1732181.0	0.535891	Y
3	IC 200-205411/6	0.500453	0.277446	10.0	1680866.0	0.554391	Y
4	IC 200-205411/7	4.992563	2.390594	10.0	1776734.0	0.478831	Y
5	ICIS 200-205411/8	9.99806	4.747534	10.0	1798262.0	0.474846	Y
6	IC 200-205411/9	15.003557	7.19429	10.0	1771783.0	0.479506	Y
7	IC 200-205411/12	19.99612	9.316825	10.0	1843407.0	0.465932	Y
8	IC 200-205411/13	39.99224	18.137371	10.0	1834971.0	0.453522	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

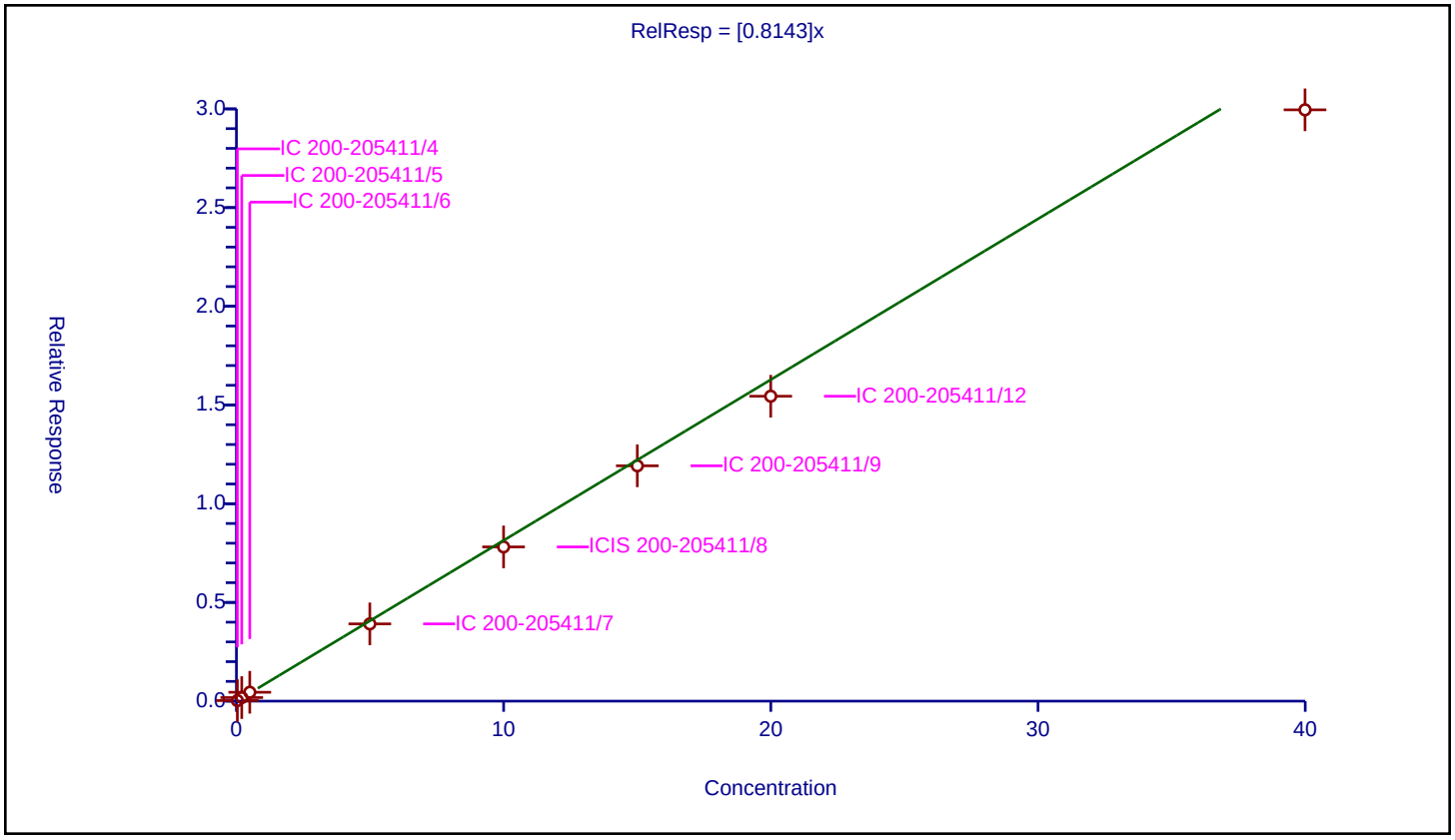
Curve Coefficients

Intercept:	0
Slope:	0.8143

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.029285	10.0	1713534.0	0.834865	Y
2	IC 200-205411/5	0.20044	0.180183	10.0	1732181.0	0.89894	Y
3	IC 200-205411/6	0.500453	0.45003	10.0	1680866.0	0.899246	Y
4	IC 200-205411/7	4.992563	3.913625	10.0	1776734.0	0.783891	Y
5	ICIS 200-205411/8	9.99806	7.812199	10.0	1798262.0	0.781371	Y
6	IC 200-205411/9	15.003557	11.920015	10.0	1771783.0	0.794479	Y
7	IC 200-205411/12	19.99612	15.445851	10.0	1843407.0	0.772442	Y
8	IC 200-205411/13	39.99224	29.952544	10.0	1834971.0	0.748959	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

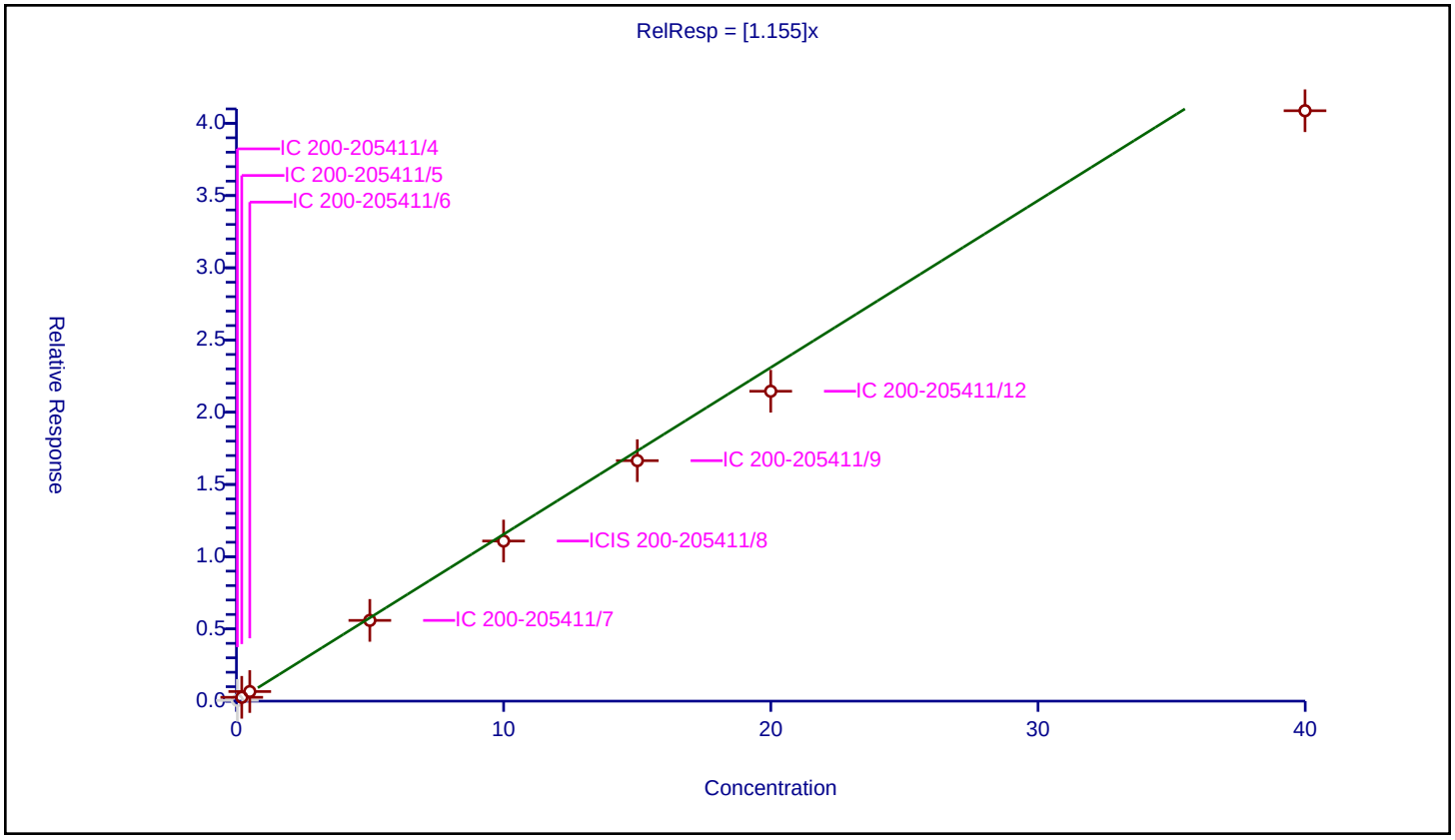
Curve Coefficients

Intercept:	0
Slope:	1.155

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.04985	10.0	1713534.0	1.421167	N
2	IC 200-205411/5	0.20044	0.265463	10.0	1732181.0	1.324404	Y
3	IC 200-205411/6	0.500453	0.664419	10.0	1680866.0	1.327637	Y
4	IC 200-205411/7	4.992563	5.589604	10.0	1776734.0	1.119586	Y
5	ICIS 200-205411/8	9.99806	11.084814	10.0	1798262.0	1.108697	Y
6	IC 200-205411/9	15.003557	16.648303	10.0	1771783.0	1.109624	Y
7	IC 200-205411/12	19.99612	21.454399	10.0	1843407.0	1.072928	Y
8	IC 200-205411/13	39.99224	40.872019	10.0	1834971.0	1.021999	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

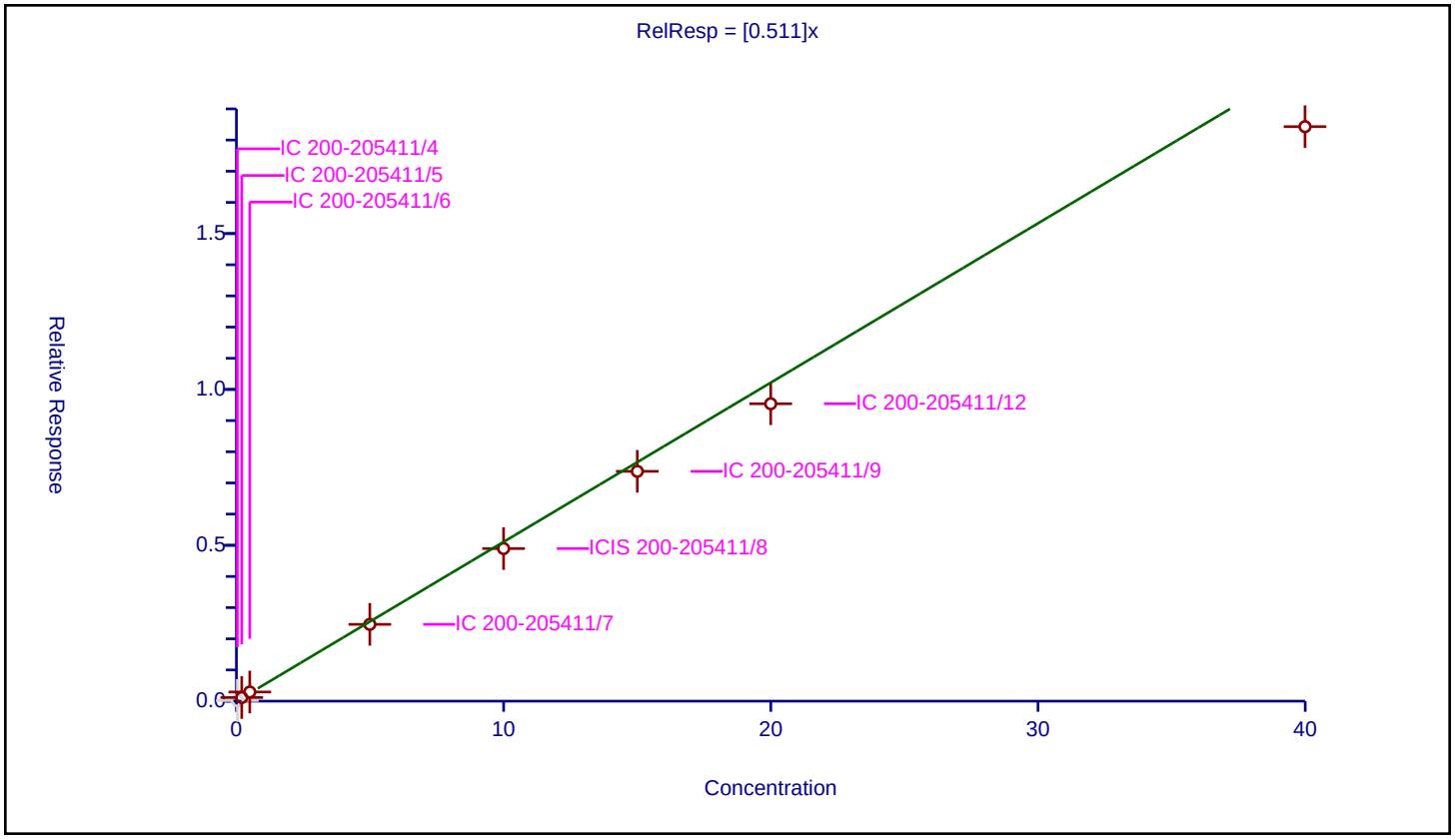
Curve Coefficients

Intercept:	0
Slope:	0.511

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.020116	10.0	1713534.0	0.573491	N
2	IC 200-205411/5	0.20044	0.115906	10.0	1732181.0	0.578258	Y
3	IC 200-205411/6	0.500453	0.293307	10.0	1680866.0	0.586084	Y
4	IC 200-205411/7	4.992563	2.464049	10.0	1776734.0	0.493544	Y
5	ICIS 200-205411/8	9.99806	4.894887	10.0	1798262.0	0.489584	Y
6	IC 200-205411/9	15.003557	7.372968	10.0	1771783.0	0.491415	Y
7	IC 200-205411/12	19.99612	9.540058	10.0	1843407.0	0.477095	Y
8	IC 200-205411/13	39.99224	18.430237	10.0	1834971.0	0.460845	Y



Calibration / Isooctane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

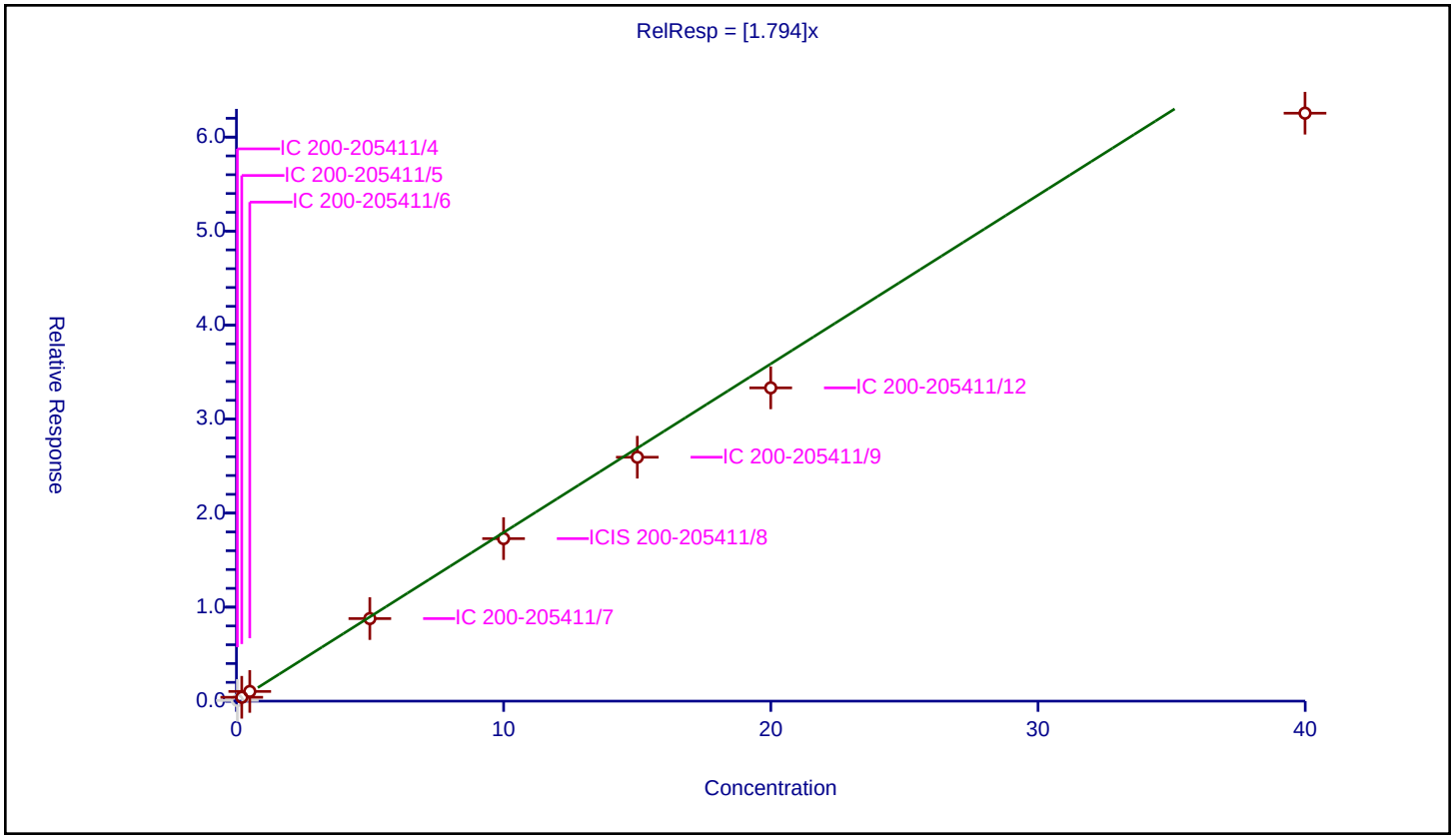
Curve Coefficients

Intercept:	0
Slope:	1.794

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.073573	10.0	1713534.0	2.097477	N
2	IC 200-205411/5	0.20044	0.410431	10.0	1732181.0	2.047651	Y
3	IC 200-205411/6	0.500453	1.032349	10.0	1680866.0	2.06283	Y
4	IC 200-205411/7	4.992563	8.78244	10.0	1776734.0	1.759105	Y
5	ICIS 200-205411/8	9.99806	17.290567	10.0	1798262.0	1.729392	Y
6	IC 200-205411/9	15.003557	25.947083	10.0	1771783.0	1.729395	Y
7	IC 200-205411/12	19.99612	33.32537	10.0	1843407.0	1.666592	Y
8	IC 200-205411/13	39.99224	62.544683	10.0	1834971.0	1.563921	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

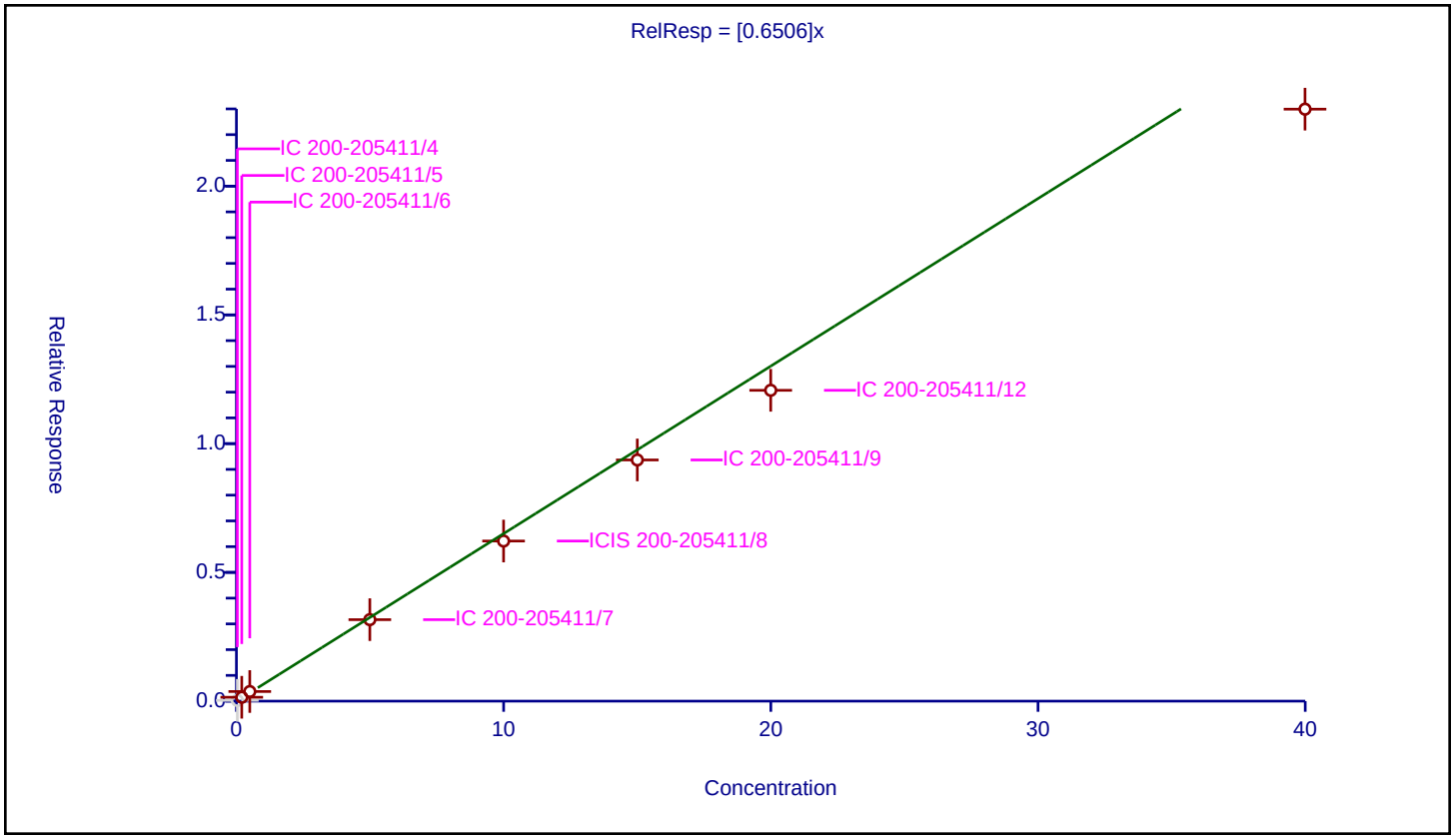
Curve Coefficients

Intercept:	0
Slope:	0.6506

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.029314	10.0	1713534.0	0.835697	N
2	IC 200-205411/5	0.20044	0.150088	10.0	1732181.0	0.748795	Y
3	IC 200-205411/6	0.500453	0.373694	10.0	1680866.0	0.746713	Y
4	IC 200-205411/7	4.992563	3.164503	10.0	1776734.0	0.633843	Y
5	ICIS 200-205411/8	9.99806	6.217776	10.0	1798262.0	0.621898	Y
6	IC 200-205411/9	15.003557	9.366621	10.0	1771783.0	0.624293	Y
7	IC 200-205411/12	19.99612	12.070785	10.0	1843407.0	0.603656	Y
8	IC 200-205411/13	39.99224	22.98929	10.0	1834971.0	0.574844	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

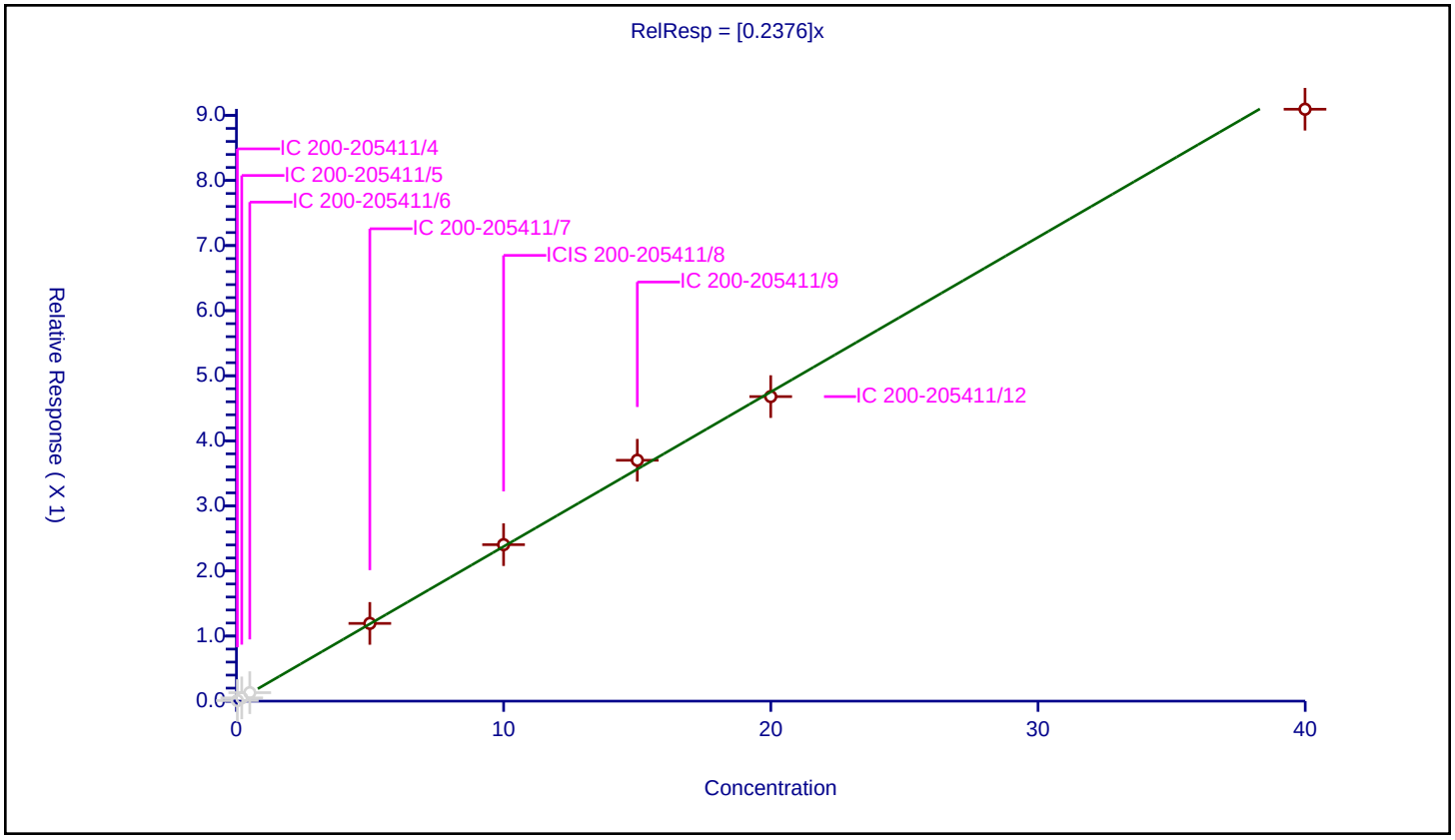
Curve Coefficients

Intercept:	0
Slope:	0.2376

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.008398	10.0	1713534.0	0.239412	N
2	IC 200-205411/5	0.20044	0.049758	10.0	1732181.0	0.248245	N
3	IC 200-205411/6	0.500453	0.130213	10.0	1680866.0	0.26019	N
4	IC 200-205411/7	4.992563	1.194523	10.0	1776734.0	0.239261	Y
5	ICIS 200-205411/8	9.99806	2.404422	10.0	1798262.0	0.240489	Y
6	IC 200-205411/9	15.003557	3.701226	10.0	1771783.0	0.24669	Y
7	IC 200-205411/12	19.99612	4.679444	10.0	1843407.0	0.234018	Y
8	IC 200-205411/13	39.99224	9.095043	10.0	1834971.0	0.22742	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

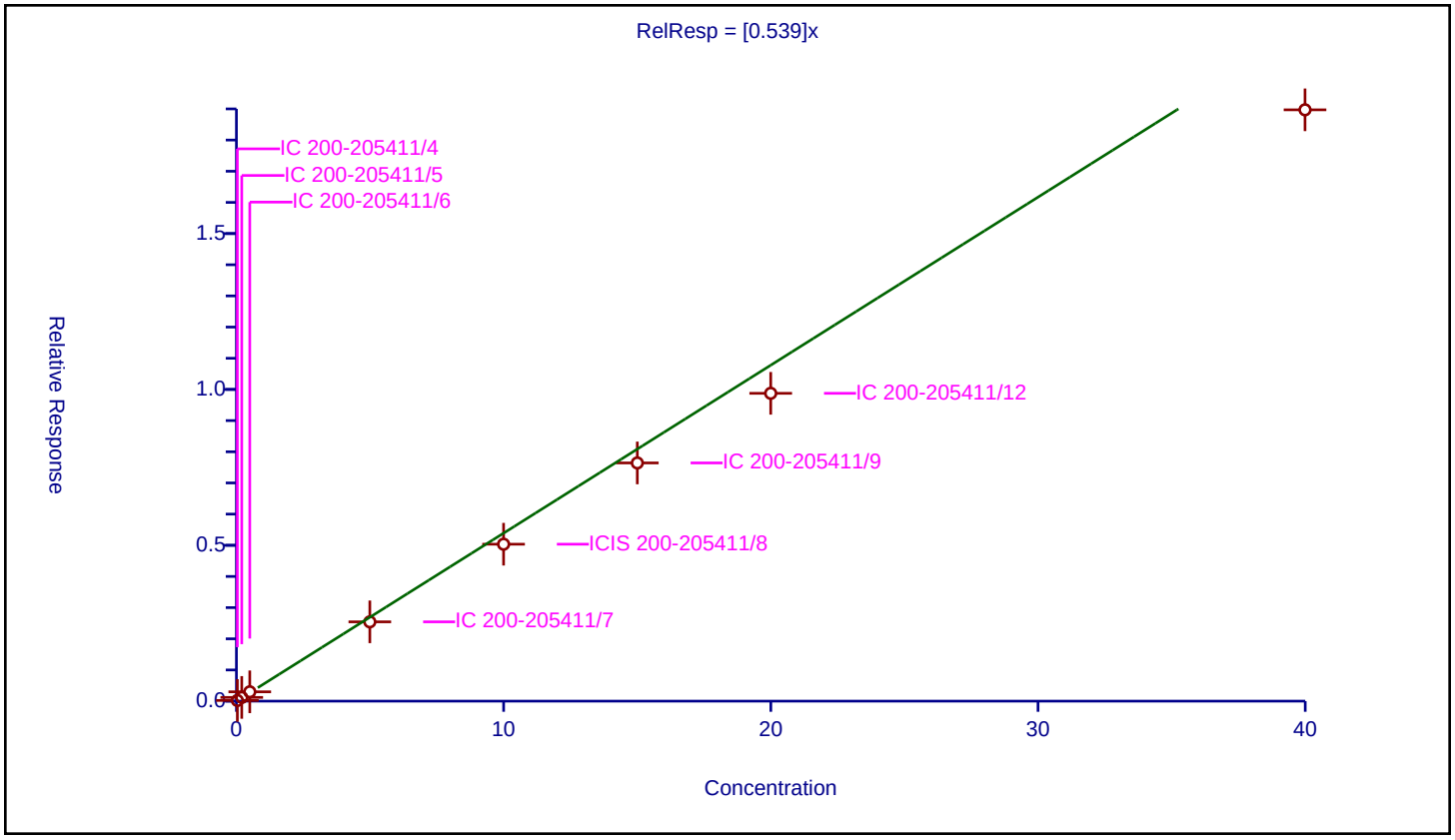
Curve Coefficients

Intercept:	0
Slope:	0.539

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.022025	10.0	1713534.0	0.627896	Y
2	IC 200-205411/5	0.20044	0.11915	10.0	1732181.0	0.594445	Y
3	IC 200-205411/6	0.500453	0.299542	10.0	1680866.0	0.598542	Y
4	IC 200-205411/7	4.992563	2.544331	10.0	1776734.0	0.509624	Y
5	ICIS 200-205411/8	9.99806	5.034956	10.0	1798262.0	0.503593	Y
6	IC 200-205411/9	15.003557	7.641737	10.0	1771783.0	0.509328	Y
7	IC 200-205411/12	19.99612	9.87509	10.0	1843407.0	0.49385	Y
8	IC 200-205411/13	39.99224	18.970185	10.0	1834971.0	0.474347	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

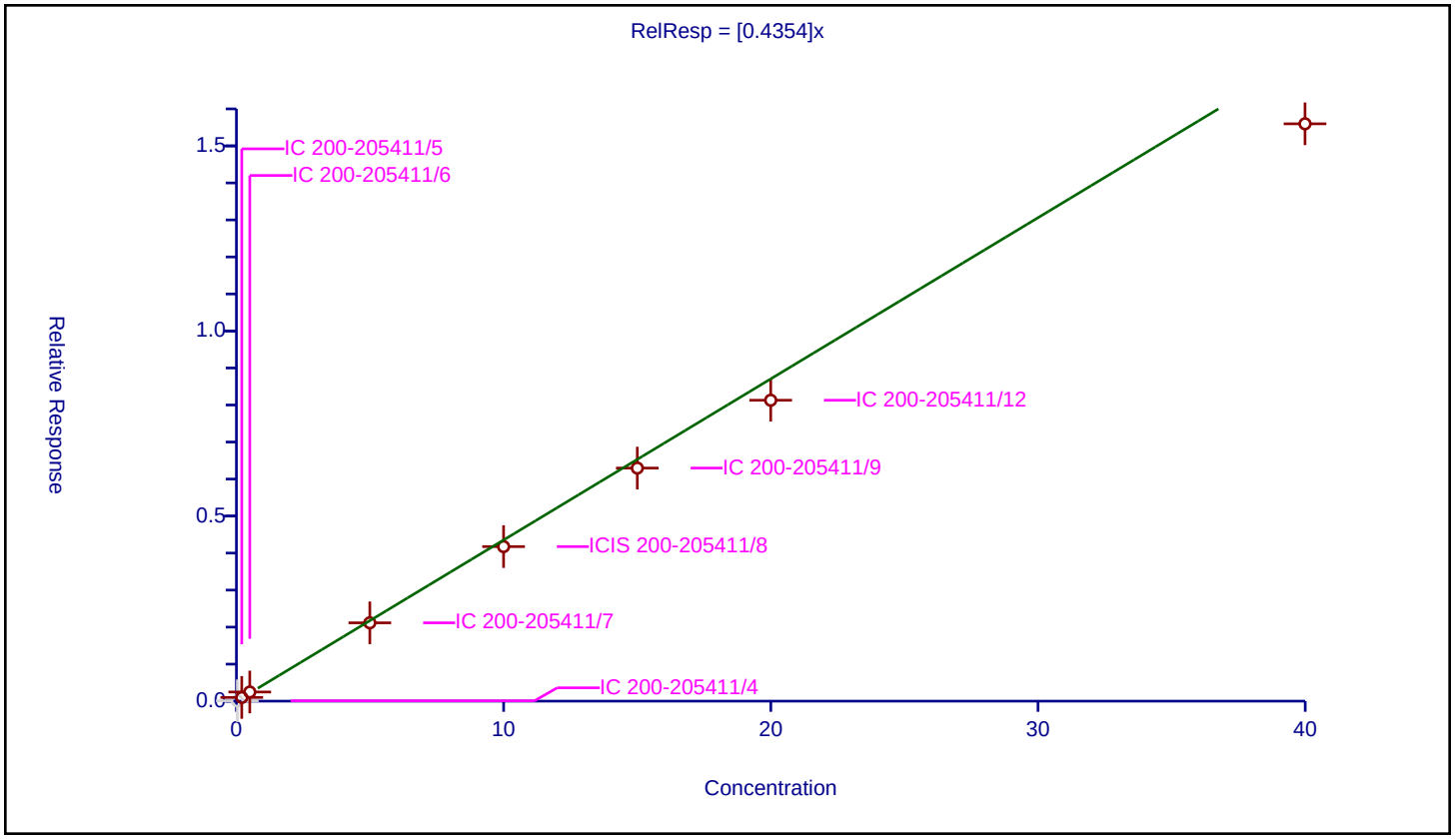
Curve Coefficients

Intercept:	0
Slope:	0.4354

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.009489	10.0	1713534.0	0.270524	N
2	IC 200-205411/5	0.20044	0.099551	10.0	1732181.0	0.496662	Y
3	IC 200-205411/6	0.500453	0.246825	10.0	1680866.0	0.493204	Y
4	IC 200-205411/7	4.992563	2.11595	10.0	1776734.0	0.42382	Y
5	ICIS 200-205411/8	9.99806	4.175015	10.0	1798262.0	0.417582	Y
6	IC 200-205411/9	15.003557	6.296183	10.0	1771783.0	0.419646	Y
7	IC 200-205411/12	19.99612	8.129295	10.0	1843407.0	0.406544	Y
8	IC 200-205411/13	39.99224	15.597276	10.0	1834971.0	0.390008	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

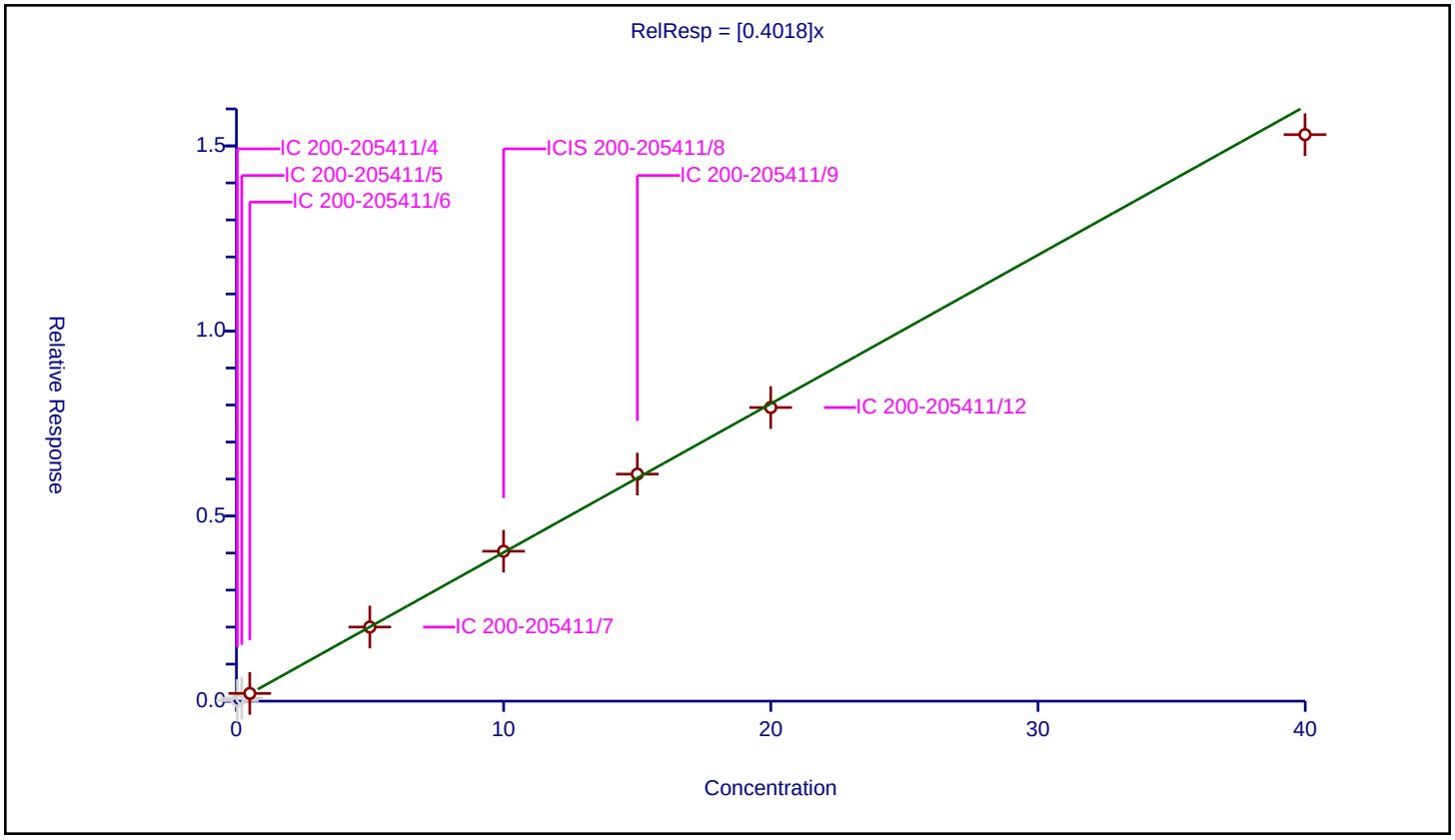
Curve Coefficients

Intercept:	0
Slope:	0.4018

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.015728	10.0	1713534.0	0.448378	N
2	IC 200-205411/5	0.20044	0.080736	10.0	1732181.0	0.402796	N
3	IC 200-205411/6	0.500453	0.208321	10.0	1680866.0	0.416266	Y
4	IC 200-205411/7	4.992563	2.002326	10.0	1776734.0	0.401062	Y
5	ICIS 200-205411/8	9.99806	4.050016	10.0	1798262.0	0.40508	Y
6	IC 200-205411/9	15.003557	6.134346	10.0	1771783.0	0.408859	Y
7	IC 200-205411/12	19.99612	7.932676	10.0	1843407.0	0.396711	Y
8	IC 200-205411/13	39.99224	15.304144	10.0	1834971.0	0.382678	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

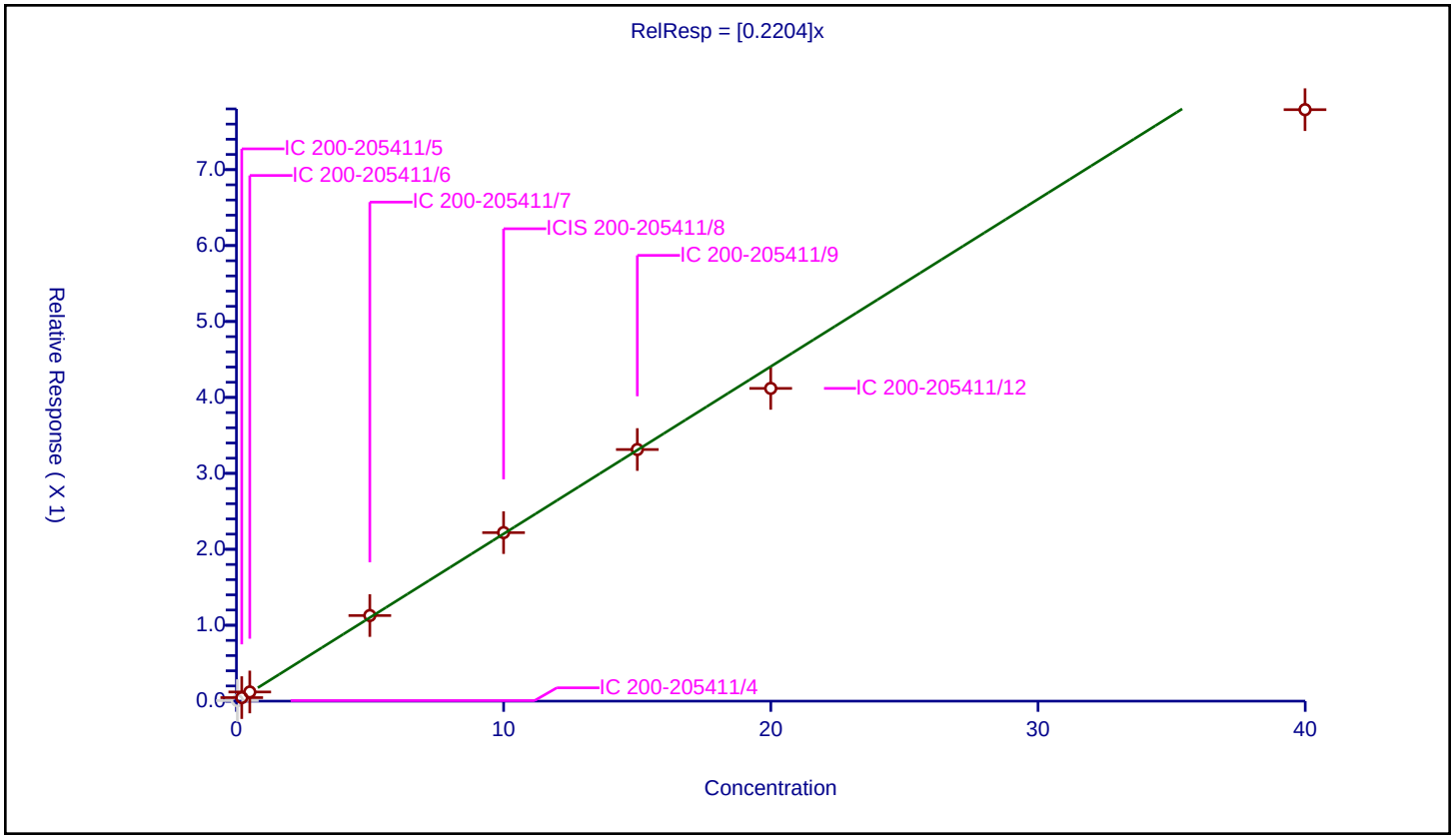
Curve Coefficients

Intercept:	0
Slope:	0.2204

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.007359	10.0	1713534.0	0.209798	N
2	IC 200-205411/5	0.20044	0.046427	10.0	1732181.0	0.231626	Y
3	IC 200-205411/6	0.500453	0.120854	10.0	1680866.0	0.24149	Y
4	IC 200-205411/7	4.992563	1.127428	10.0	1776734.0	0.225822	Y
5	ICIS 200-205411/8	9.99806	2.21941	10.0	1798262.0	0.221984	Y
6	IC 200-205411/9	15.003557	3.313995	10.0	1771783.0	0.220881	Y
7	IC 200-205411/12	19.99612	4.118819	10.0	1843407.0	0.205981	Y
8	IC 200-205411/13	39.99224	7.789971	10.0	1834971.0	0.194787	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

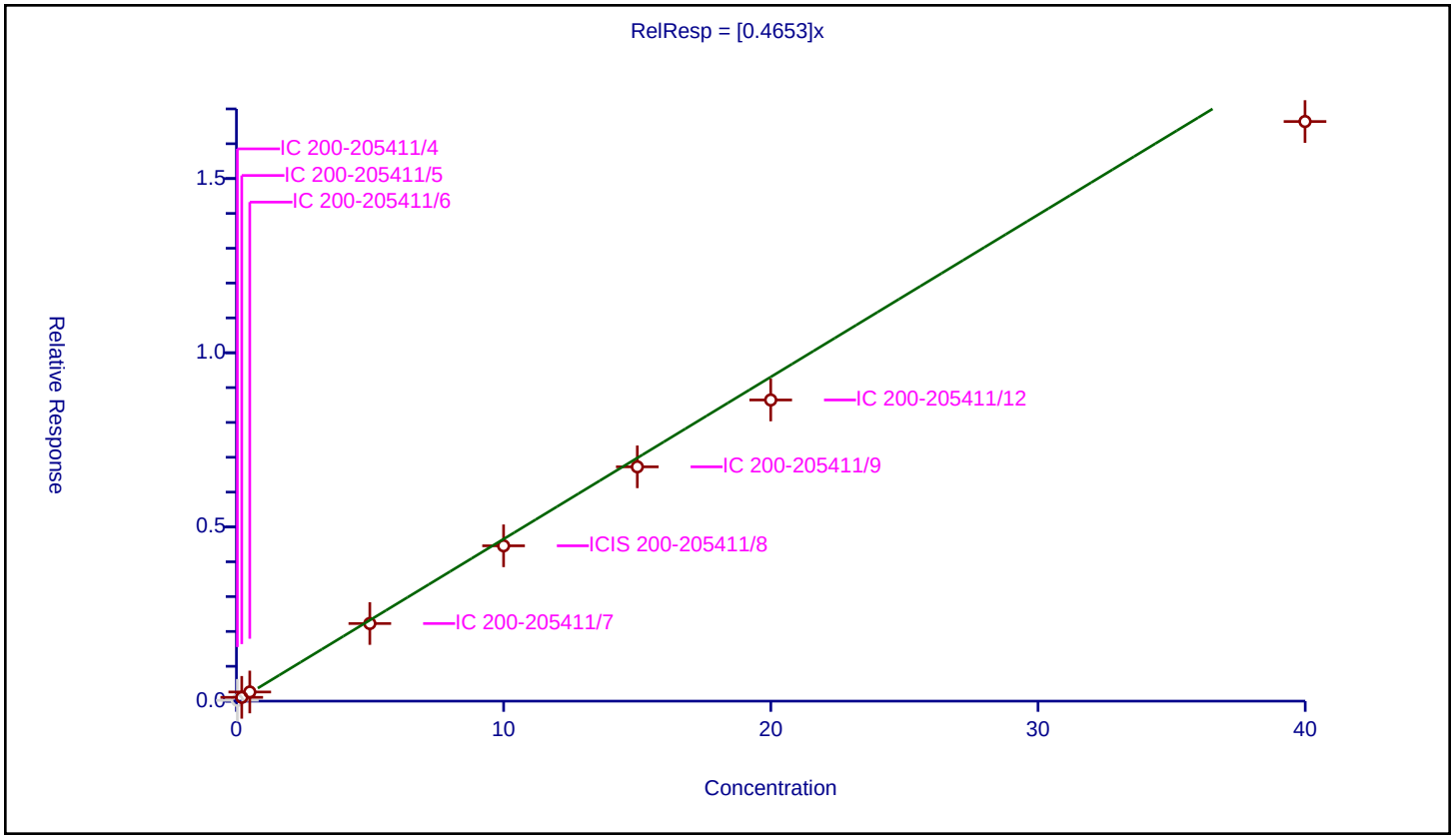
Curve Coefficients

Intercept:	0
Slope:	0.4653

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.023367	10.0	1713534.0	0.666162	N
2	IC 200-205411/5	0.20044	0.108949	10.0	1732181.0	0.543552	Y
3	IC 200-205411/6	0.500453	0.26268	10.0	1680866.0	0.524885	Y
4	IC 200-205411/7	4.992563	2.228415	10.0	1776734.0	0.446347	Y
5	ICIS 200-205411/8	9.99806	4.458611	10.0	1798262.0	0.445948	Y
6	IC 200-205411/9	15.003557	6.725429	10.0	1771783.0	0.448256	Y
7	IC 200-205411/12	19.99612	8.644423	10.0	1843407.0	0.432305	Y
8	IC 200-205411/13	39.99224	16.637691	10.0	1834971.0	0.416023	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

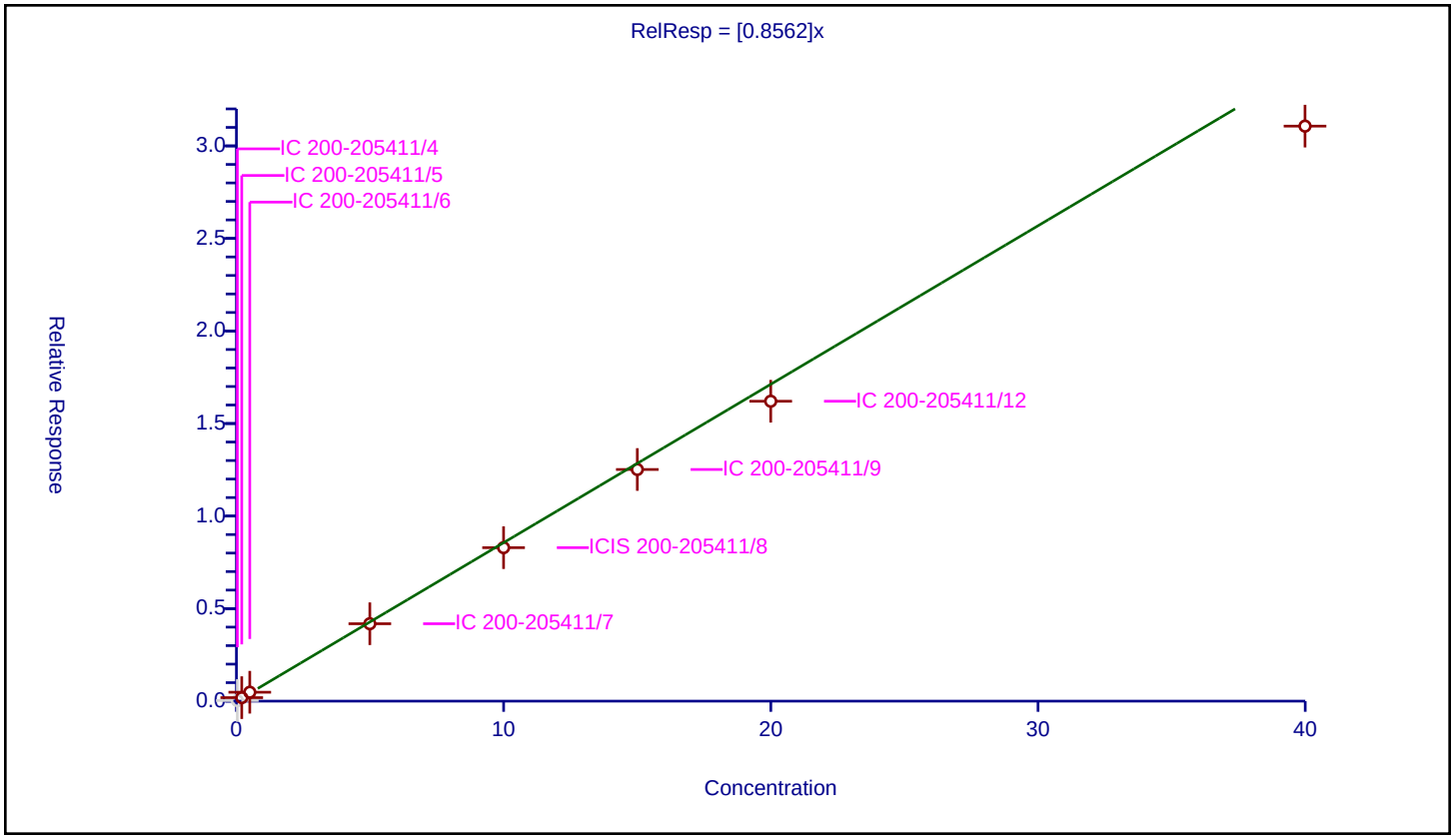
Curve Coefficients

Intercept:	0
Slope:	0.8562

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.032389	10.0	1713534.0	0.923376	N
2	IC 200-205411/5	0.20044	0.189114	10.0	1732181.0	0.943497	Y
3	IC 200-205411/6	0.500453	0.480949	10.0	1680866.0	0.961027	Y
4	IC 200-205411/7	4.992563	4.182219	10.0	1776734.0	0.83769	Y
5	ICIS 200-205411/8	9.99806	8.293018	10.0	1798262.0	0.829463	Y
6	IC 200-205411/9	15.003557	12.51664	10.0	1771783.0	0.834245	Y
7	IC 200-205411/12	19.99612	16.204208	10.0	1843407.0	0.810368	Y
8	IC 200-205411/13	39.99224	31.068644	10.0	1834971.0	0.776867	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

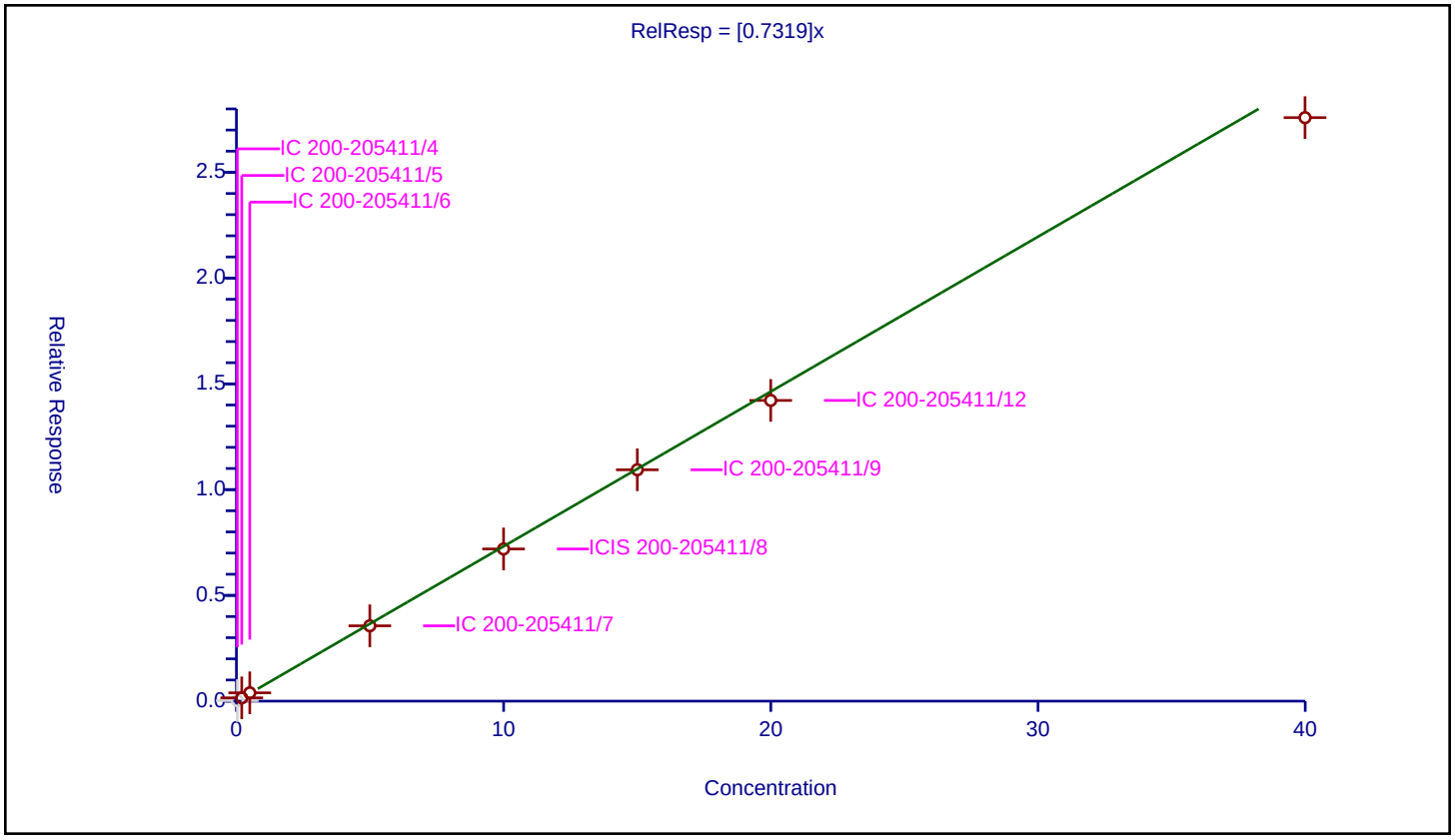
Curve Coefficients

Intercept:	0
Slope:	0.7319

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.026343	10.0	1713534.0	0.751012	N
2	IC 200-205411/5	0.20044	0.155192	10.0	1732181.0	0.774256	Y
3	IC 200-205411/6	0.500453	0.393387	10.0	1680866.0	0.786061	Y
4	IC 200-205411/7	4.992563	3.561934	10.0	1776734.0	0.713448	Y
5	ICIS 200-205411/8	9.99806	7.194113	10.0	1798262.0	0.719551	Y
6	IC 200-205411/9	15.003557	10.93849	10.0	1771783.0	0.72906	Y
7	IC 200-205411/12	19.99612	14.217354	10.0	1843407.0	0.711006	Y
8	IC 200-205411/13	39.99224	27.586349	10.0	1834971.0	0.689793	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

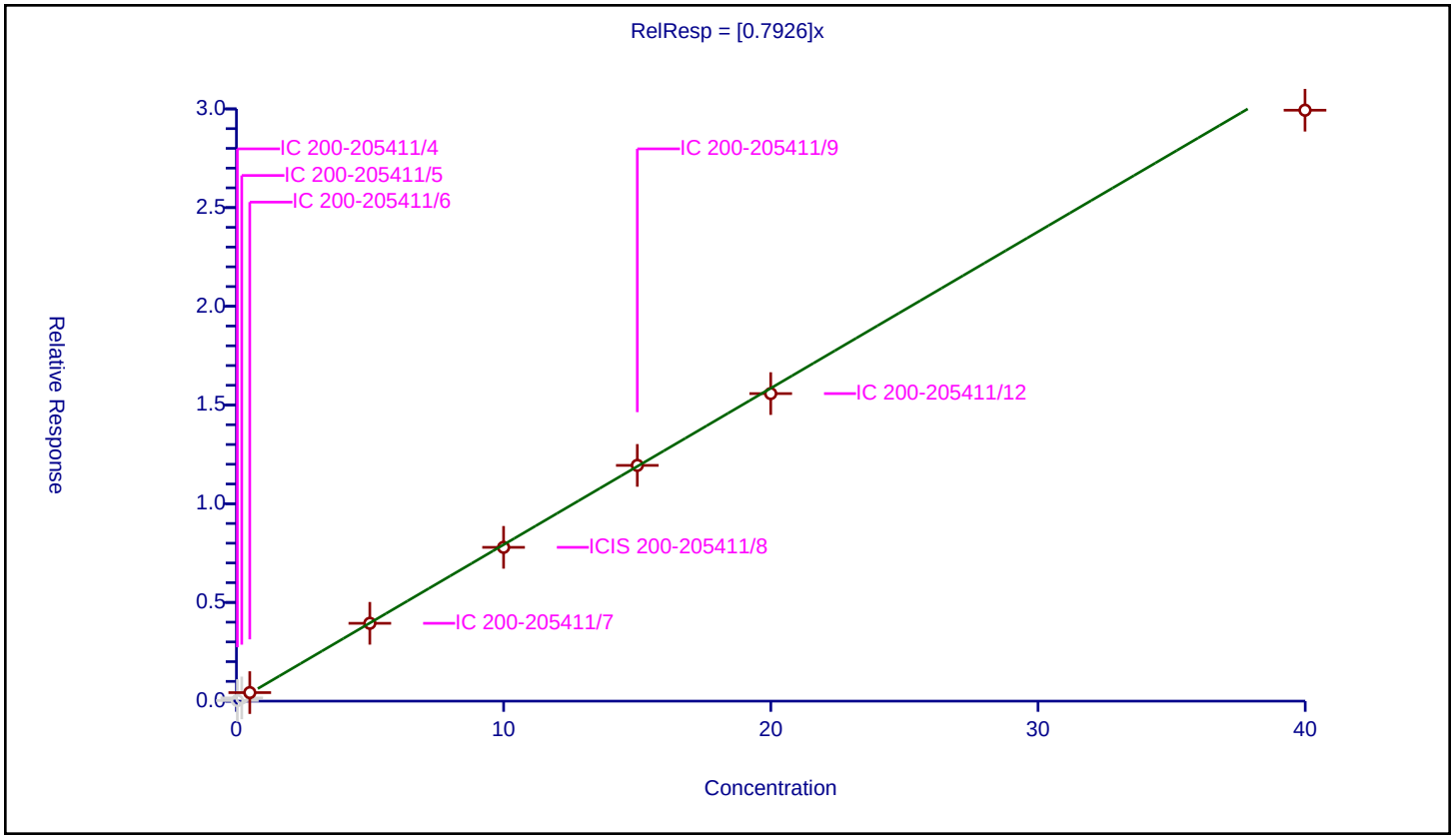
Curve Coefficients

Intercept:	0
Slope:	0.7926

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.030749	10.0	1713534.0	0.876625	N
2	IC 200-205411/5	0.20044	0.162171	10.0	1732181.0	0.809078	N
3	IC 200-205411/6	0.500453	0.43192	10.0	1680866.0	0.863059	Y
4	IC 200-205411/7	4.992563	3.943033	10.0	1776734.0	0.789781	Y
5	ICIS 200-205411/8	9.99806	7.790923	10.0	1798262.0	0.779243	Y
6	IC 200-205411/9	15.003557	11.942224	10.0	1771783.0	0.79596	Y
7	IC 200-205411/12	19.99612	15.579294	10.0	1843407.0	0.779116	Y
8	IC 200-205411/13	39.99224	29.933519	10.0	1834971.0	0.748483	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

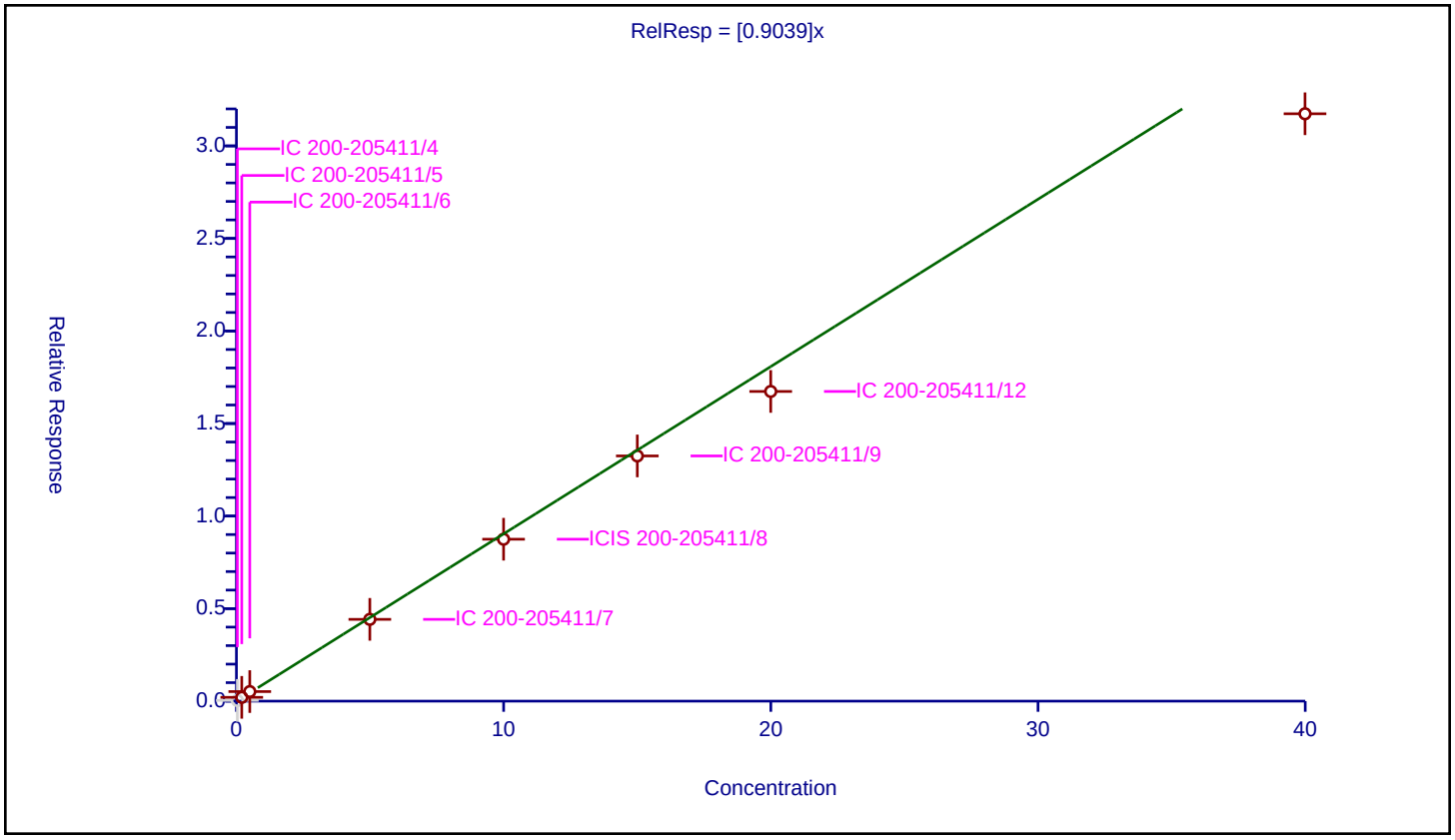
Curve Coefficients

Intercept:	0
Slope:	0.9039

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.03885	10.0	1537206.0	1.107557	N
2	IC 200-205411/5	0.20044	0.204434	10.0	1564854.0	1.01993	Y
3	IC 200-205411/6	0.500453	0.517498	10.0	1514730.0	1.03406	Y
4	IC 200-205411/7	4.992563	4.419001	10.0	1607945.0	0.885117	Y
5	ICIS 200-205411/8	9.99806	8.748245	10.0	1633171.0	0.874994	Y
6	IC 200-205411/9	15.003557	13.248228	10.0	1598373.0	0.883006	Y
7	IC 200-205411/12	19.99612	16.733151	10.0	1686004.0	0.83682	Y
8	IC 200-205411/13	39.99224	31.737185	10.0	1686925.0	0.793584	Y



Calibration / n-Octane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

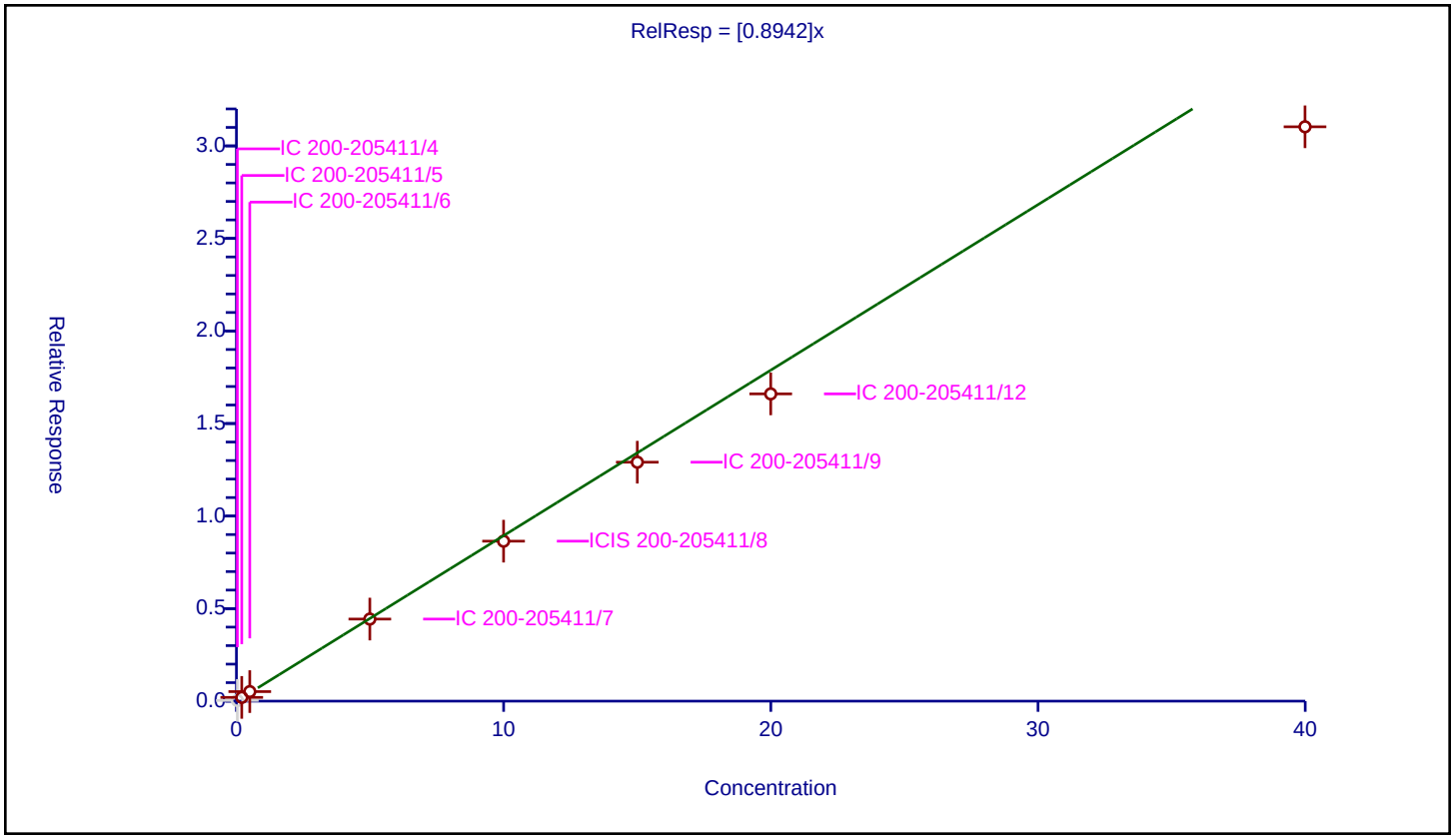
Curve Coefficients

Intercept:	0
Slope:	0.8942

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.036941	10.0	1713534.0	1.053148	N
2	IC 200-205411/5	0.20044	0.202231	10.0	1732181.0	1.008935	Y
3	IC 200-205411/6	0.500453	0.516121	10.0	1680866.0	1.031308	Y
4	IC 200-205411/7	4.992563	4.434423	10.0	1776734.0	0.888206	Y
5	ICIS 200-205411/8	9.99806	8.643246	10.0	1798262.0	0.864492	Y
6	IC 200-205411/9	15.003557	12.910565	10.0	1771783.0	0.8605	Y
7	IC 200-205411/12	19.99612	16.60119	10.0	1843407.0	0.830221	Y
8	IC 200-205411/13	39.99224	31.032534	10.0	1834971.0	0.775964	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

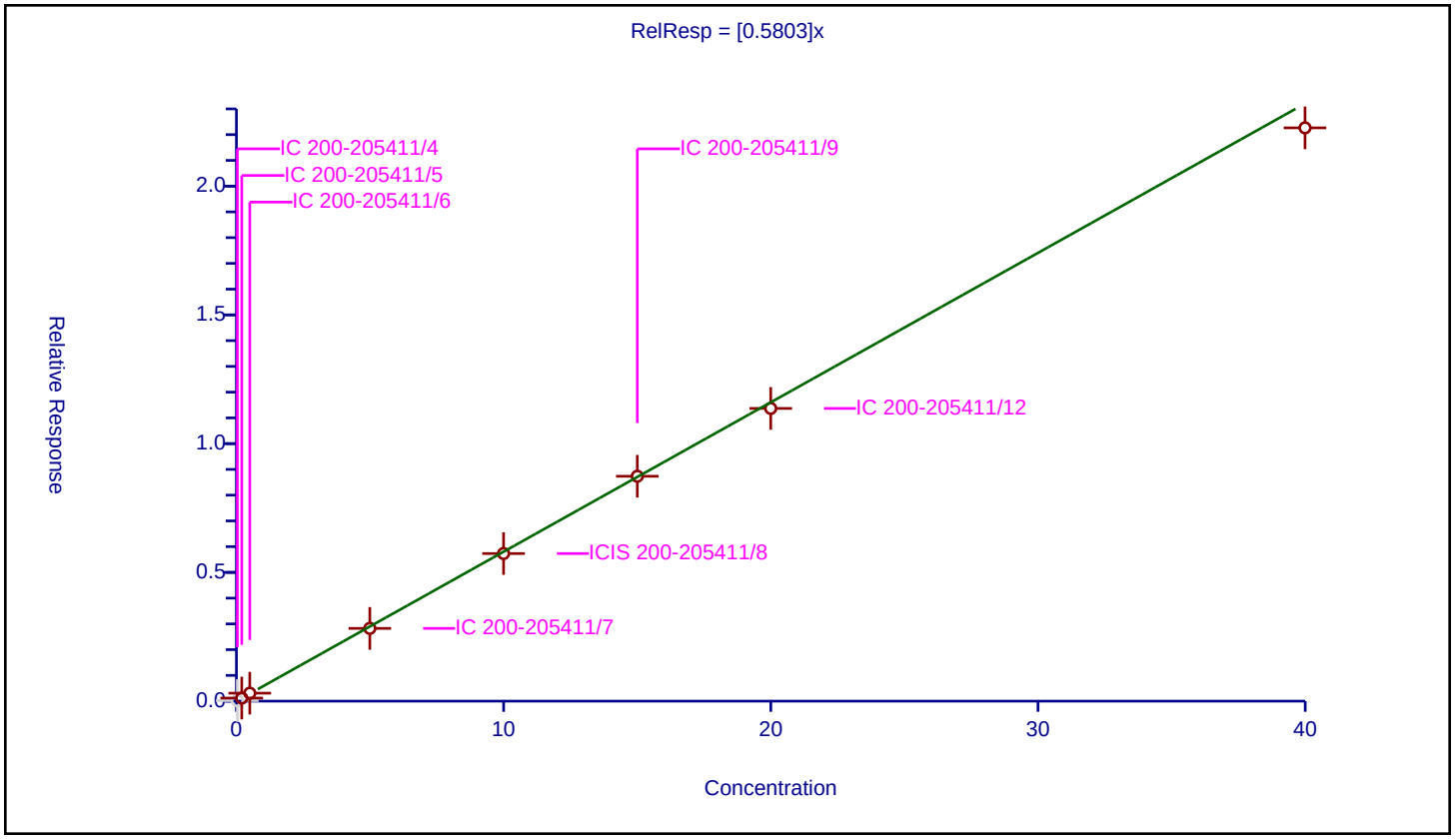
Curve Coefficients

Intercept:	0
Slope:	0.5803

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.021003	10.0	1713534.0	0.59878	N
2	IC 200-205411/5	0.20044	0.119653	10.0	1732181.0	0.596951	Y
3	IC 200-205411/6	0.500453	0.309495	10.0	1680866.0	0.618431	Y
4	IC 200-205411/7	4.992563	2.825747	10.0	1776734.0	0.565991	Y
5	ICIS 200-205411/8	9.99806	5.73199	10.0	1798262.0	0.57331	Y
6	IC 200-205411/9	15.003557	8.733671	10.0	1771783.0	0.582107	Y
7	IC 200-205411/12	19.99612	11.367468	10.0	1843407.0	0.568484	Y
8	IC 200-205411/13	39.99224	22.263643	10.0	1834971.0	0.556699	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

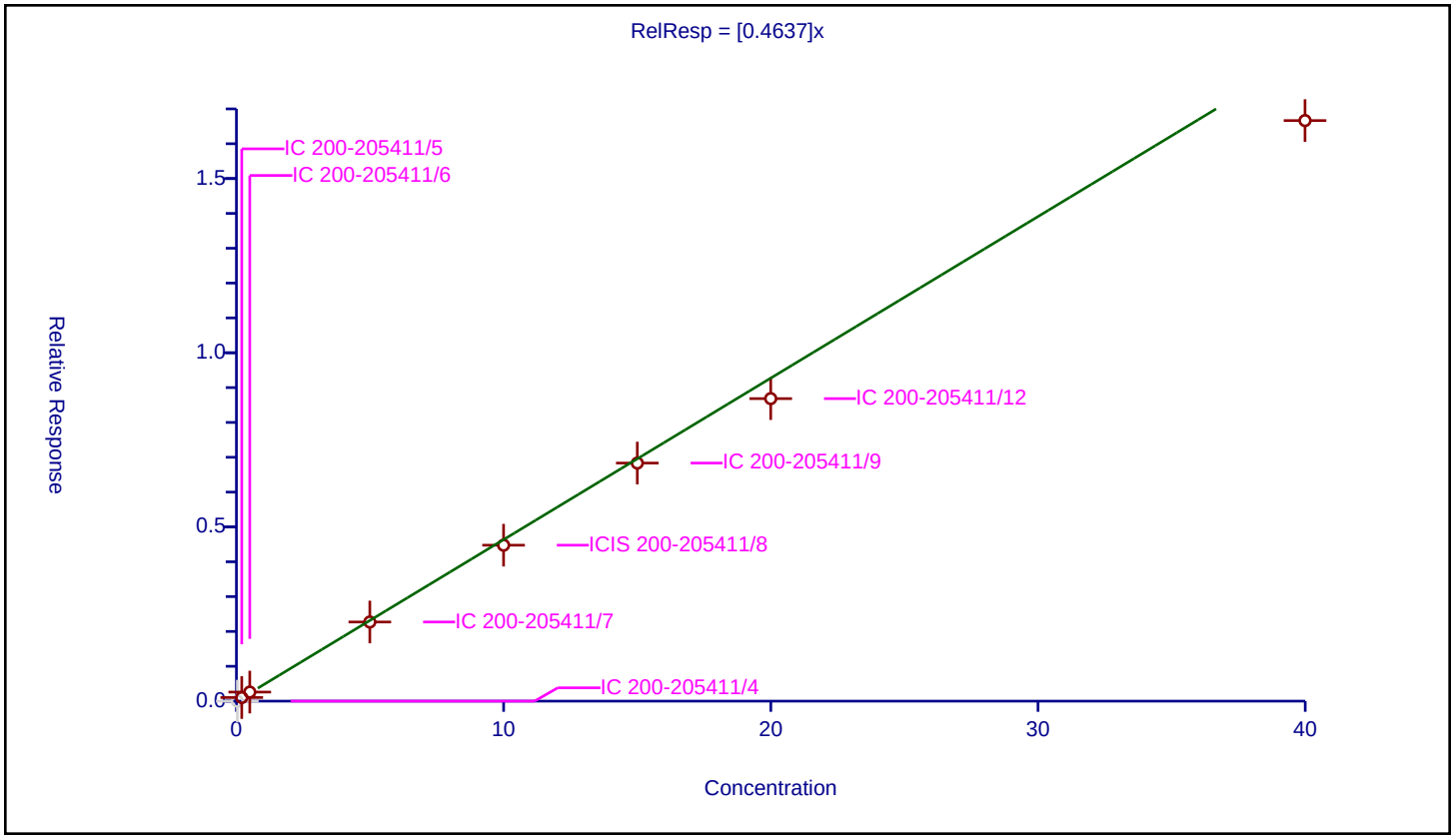
Curve Coefficients

Intercept:	0
Slope:	0.4637

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.0	10.0	1537206.0	0.0	N
2	IC 200-205411/5	0.20044	0.103383	10.0	1564854.0	0.515783	Y
3	IC 200-205411/6	0.500453	0.260588	10.0	1514730.0	0.520704	Y
4	IC 200-205411/7	4.992563	2.271583	10.0	1607945.0	0.454993	Y
5	ICIS 200-205411/8	9.99806	4.476482	10.0	1633171.0	0.447735	Y
6	IC 200-205411/9	15.003557	6.833186	10.0	1598373.0	0.455438	Y
7	IC 200-205411/12	19.99612	8.683449	10.0	1686004.0	0.434257	Y
8	IC 200-205411/13	39.99224	16.664689	10.0	1686925.0	0.416698	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

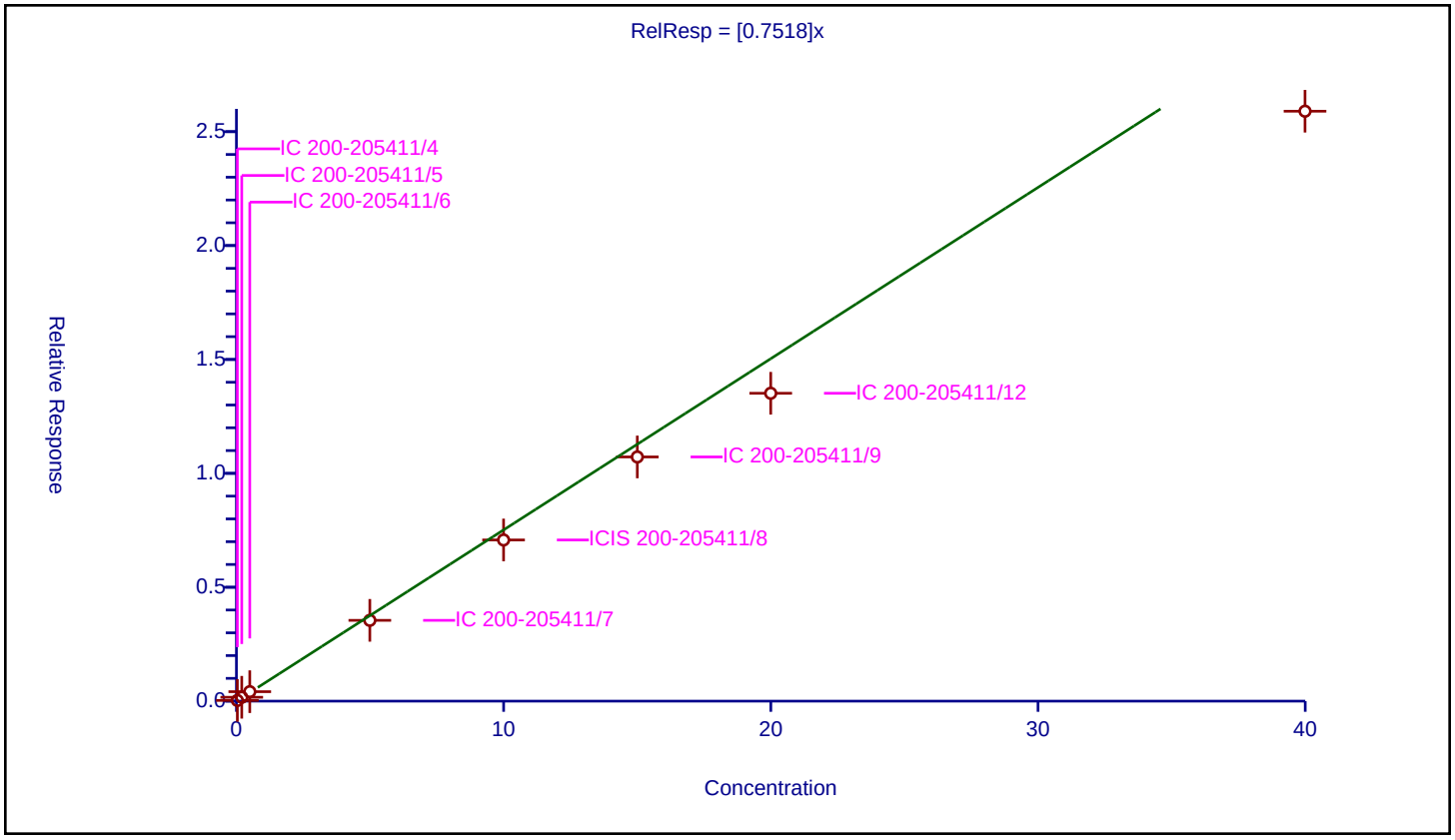
Curve Coefficients

Intercept:	0
Slope:	0.7518

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.030829	10.0	1537206.0	0.878887	Y
2	IC 200-205411/5	0.20044	0.170041	10.0	1564854.0	0.848342	Y
3	IC 200-205411/6	0.500453	0.41581	10.0	1514730.0	0.830868	Y
4	IC 200-205411/7	4.992563	3.546657	10.0	1607945.0	0.710388	Y
5	ICIS 200-205411/8	9.99806	7.075615	10.0	1633171.0	0.707699	Y
6	IC 200-205411/9	15.003557	10.720076	10.0	1598373.0	0.714502	Y
7	IC 200-205411/12	19.99612	13.515442	10.0	1686004.0	0.675903	Y
8	IC 200-205411/13	39.99224	25.897731	10.0	1686925.0	0.647569	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

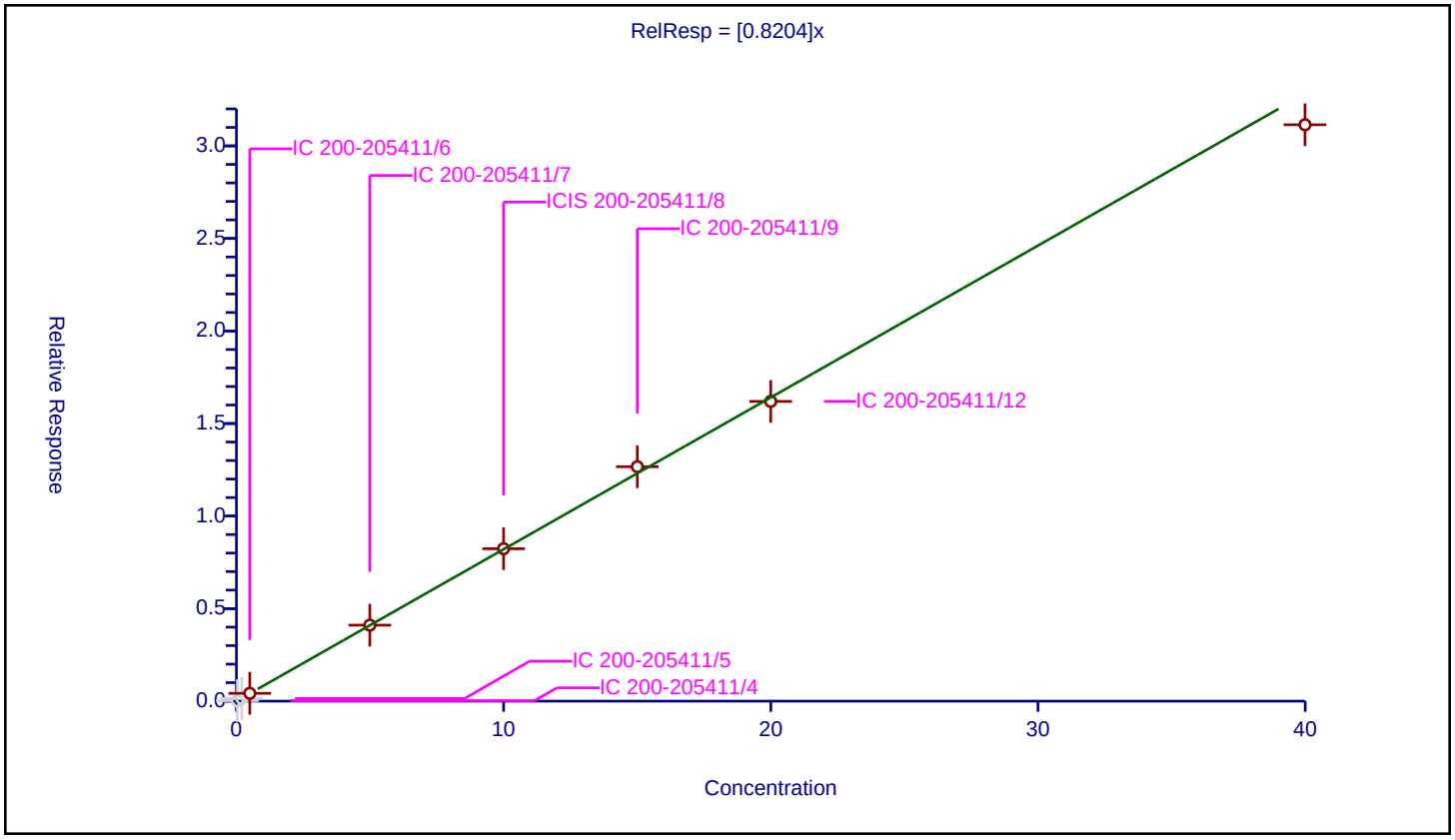
Curve Coefficients

Intercept:	0
Slope:	0.8204

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.024831	10.0	1537206.0	0.707894	N
2	IC 200-205411/5	0.20044	0.145758	10.0	1564854.0	0.727191	N
3	IC 200-205411/6	0.500453	0.422399	10.0	1514730.0	0.844033	Y
4	IC 200-205411/7	4.992563	4.104332	10.0	1607945.0	0.822089	Y
5	ICIS 200-205411/8	9.99806	8.235029	10.0	1633171.0	0.823663	Y
6	IC 200-205411/9	15.003557	12.666843	10.0	1598373.0	0.844256	Y
7	IC 200-205411/12	19.99612	16.194517	10.0	1686004.0	0.809883	Y
8	IC 200-205411/13	39.99224	31.141663	10.0	1686925.0	0.778693	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

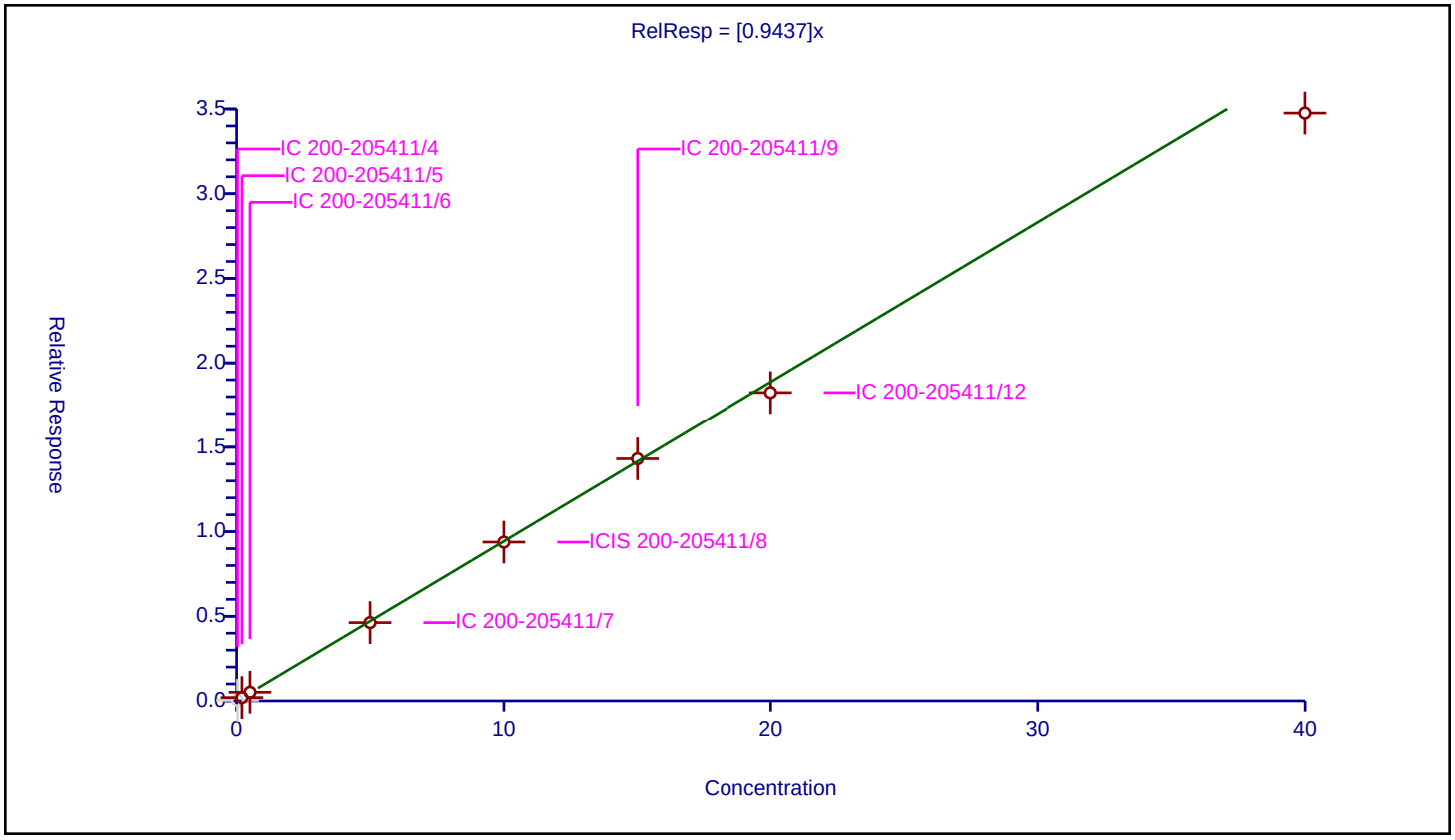
Curve Coefficients

Intercept:	0
Slope:	0.9437

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.033984	10.0	1537206.0	0.968834	N
2	IC 200-205411/5	0.20044	0.196958	10.0	1564854.0	0.982628	Y
3	IC 200-205411/6	0.500453	0.511821	10.0	1514730.0	1.022715	Y
4	IC 200-205411/7	4.992563	4.625842	10.0	1607945.0	0.926547	Y
5	ICIS 200-205411/8	9.99806	9.385361	10.0	1633171.0	0.938718	Y
6	IC 200-205411/9	15.003557	14.313905	10.0	1598373.0	0.954034	Y
7	IC 200-205411/12	19.99612	18.245313	10.0	1686004.0	0.912443	Y
8	IC 200-205411/13	39.99224	34.759328	10.0	1686925.0	0.869152	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

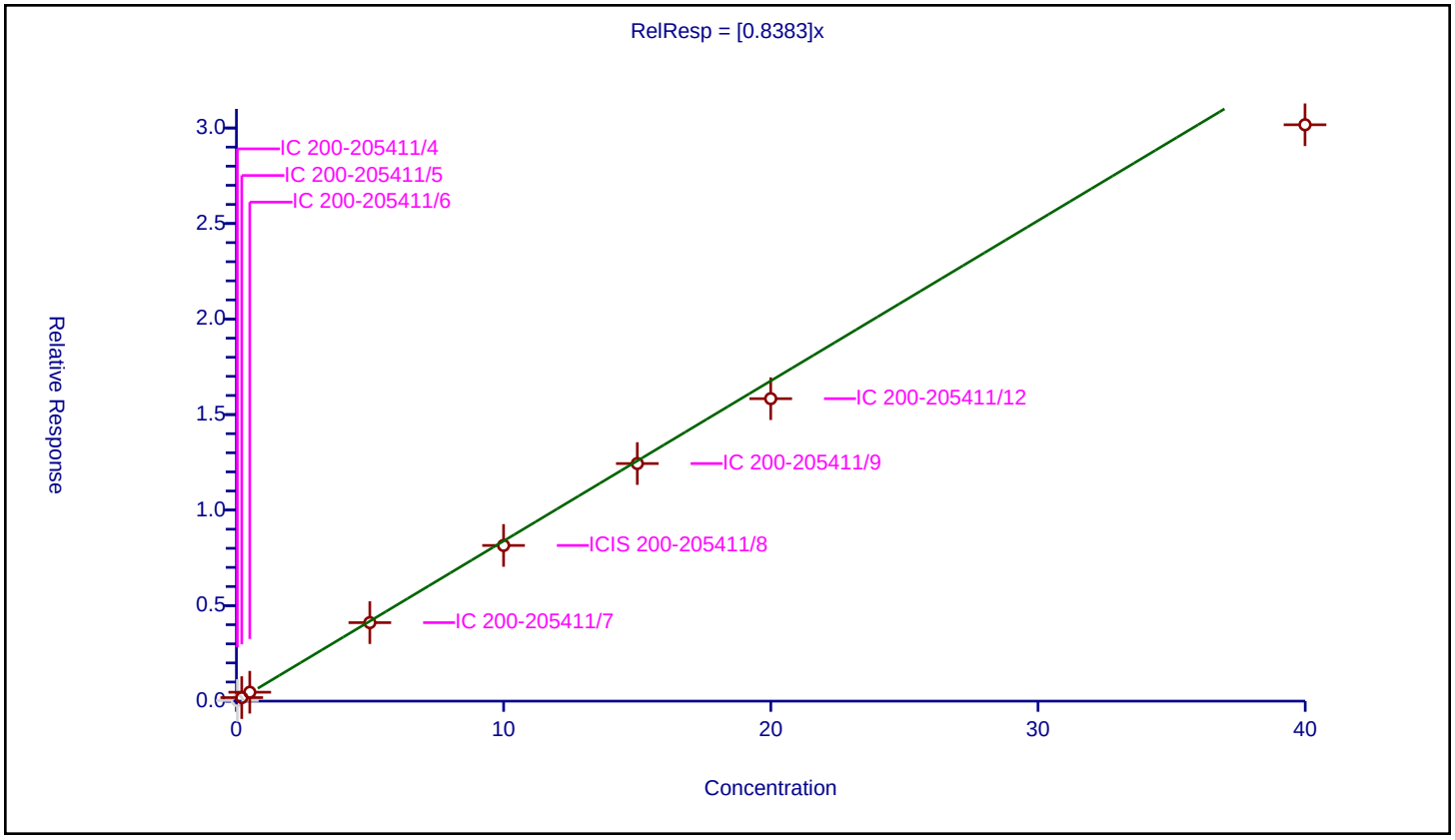
Curve Coefficients

Intercept:	0
Slope:	0.8383

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.033053	10.0	1537206.0	0.942313	N
2	IC 200-205411/5	0.20044	0.184918	10.0	1564854.0	0.922563	Y
3	IC 200-205411/6	0.500453	0.466585	10.0	1514730.0	0.932326	Y
4	IC 200-205411/7	4.992563	4.109065	10.0	1607945.0	0.823037	Y
5	ICIS 200-205411/8	9.99806	8.1499	10.0	1633171.0	0.815148	Y
6	IC 200-205411/9	15.003557	12.43649	10.0	1598373.0	0.828903	Y
7	IC 200-205411/12	19.99612	15.832442	10.0	1686004.0	0.791776	Y
8	IC 200-205411/13	39.99224	30.168614	10.0	1686925.0	0.754362	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

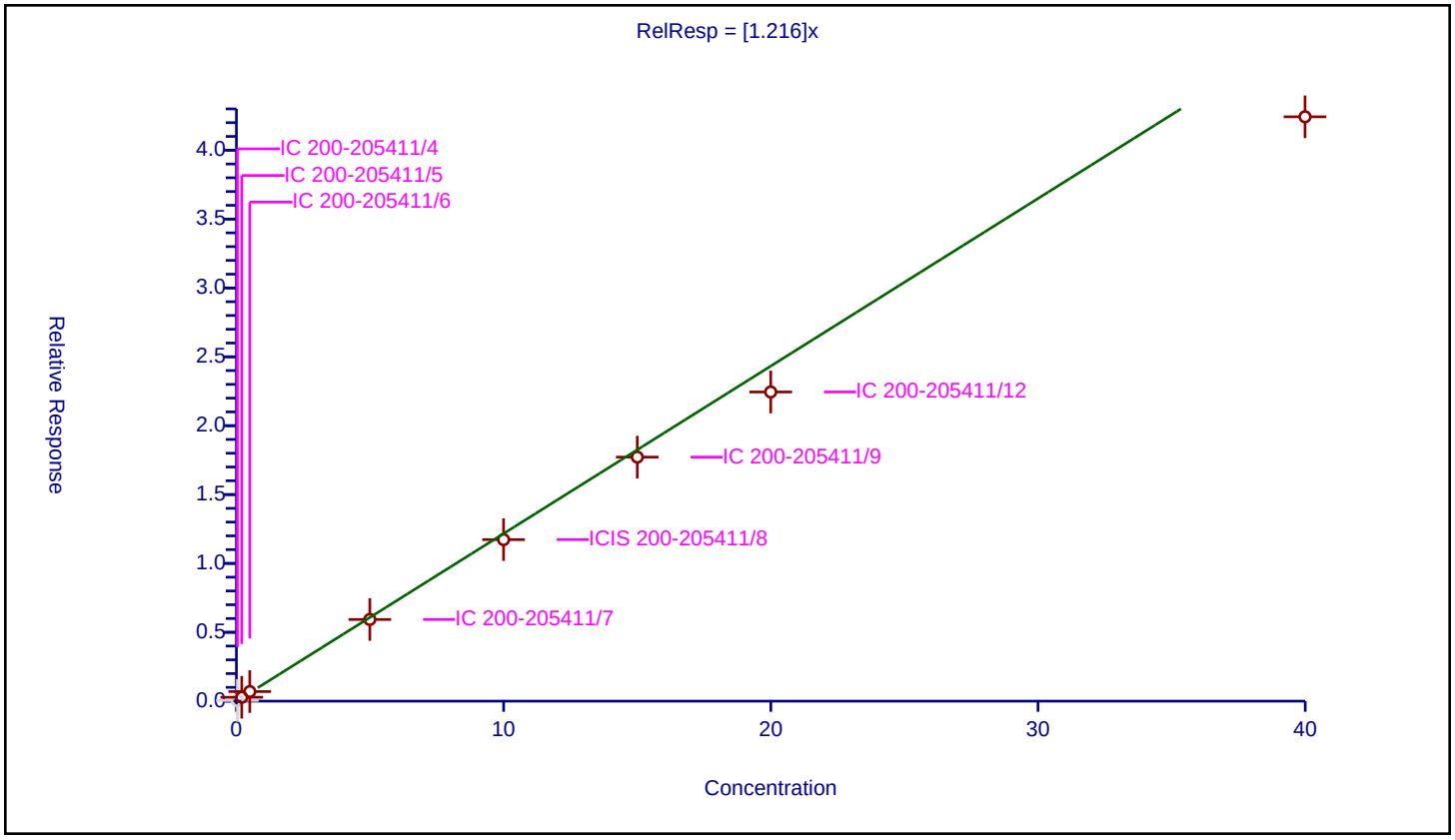
Curve Coefficients

Intercept:	0
Slope:	1.216

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.049772	10.0	1537206.0	1.418941	N
2	IC 200-205411/5	0.20044	0.281157	10.0	1564854.0	1.402702	Y
3	IC 200-205411/6	0.500453	0.694645	10.0	1514730.0	1.388034	Y
4	IC 200-205411/7	4.992563	5.927995	10.0	1607945.0	1.187365	Y
5	ICIS 200-205411/8	9.99806	11.72737	10.0	1633171.0	1.172965	Y
6	IC 200-205411/9	15.003557	17.717291	10.0	1598373.0	1.180873	Y
7	IC 200-205411/12	19.99612	22.445955	10.0	1686004.0	1.122516	Y
8	IC 200-205411/13	39.99224	42.426225	10.0	1686925.0	1.060861	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

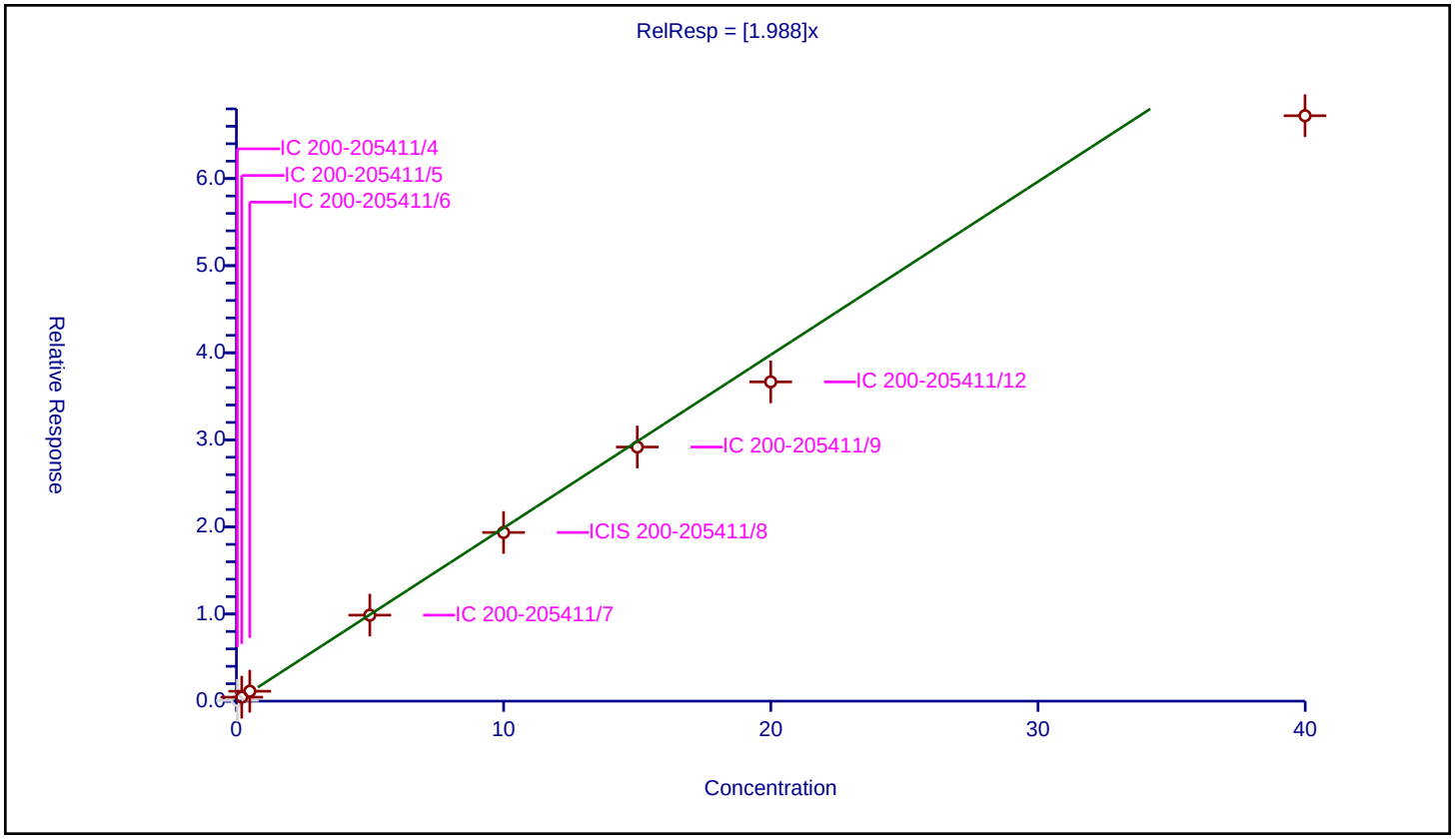
Curve Coefficients

Intercept:	0
Slope:	1.988

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.082735	10.0	1537206.0	2.358658	N
2	IC 200-205411/5	0.20044	0.454017	10.0	1564854.0	2.265105	Y
3	IC 200-205411/6	0.500453	1.140613	10.0	1514730.0	2.279162	Y
4	IC 200-205411/7	4.992563	9.876109	10.0	1607945.0	1.978164	Y
5	ICIS 200-205411/8	9.99806	19.367439	10.0	1633171.0	1.93712	Y
6	IC 200-205411/9	15.003557	29.174955	10.0	1598373.0	1.944536	Y
7	IC 200-205411/12	19.99612	36.654504	10.0	1686004.0	1.833081	Y
8	IC 200-205411/13	39.99224	67.215134	10.0	1686925.0	1.680704	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

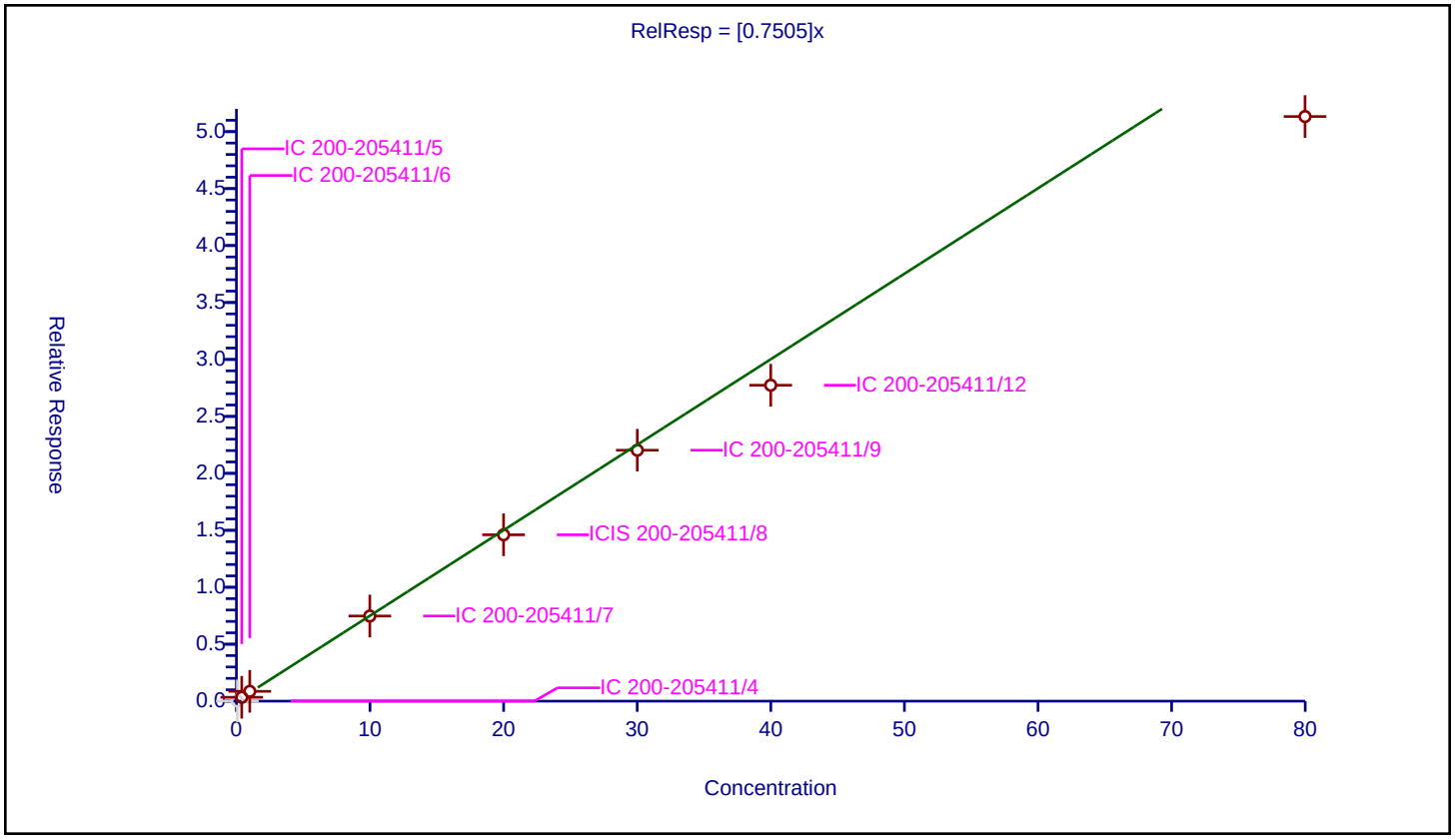
Curve Coefficients

Intercept:	0
Slope:	0.7505

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.070154	0.014481	10.0	1537206.0	0.206415	N
2	IC 200-205411/5	0.400879	0.338287	10.0	1564854.0	0.843863	Y
3	IC 200-205411/6	1.000905	0.862041	10.0	1514730.0	0.861262	Y
4	IC 200-205411/7	9.985126	7.474323	10.0	1607945.0	0.748546	Y
5	ICIS 200-205411/8	19.99612	14.605452	10.0	1633171.0	0.730414	Y
6	IC 200-205411/9	30.007114	22.03156	10.0	1598373.0	0.734211	Y
7	IC 200-205411/12	39.99224	27.738772	10.0	1686004.0	0.693604	Y
8	IC 200-205411/13	79.984479	51.328032	10.0	1686925.0	0.641725	Y



Calibration / n-Nonane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

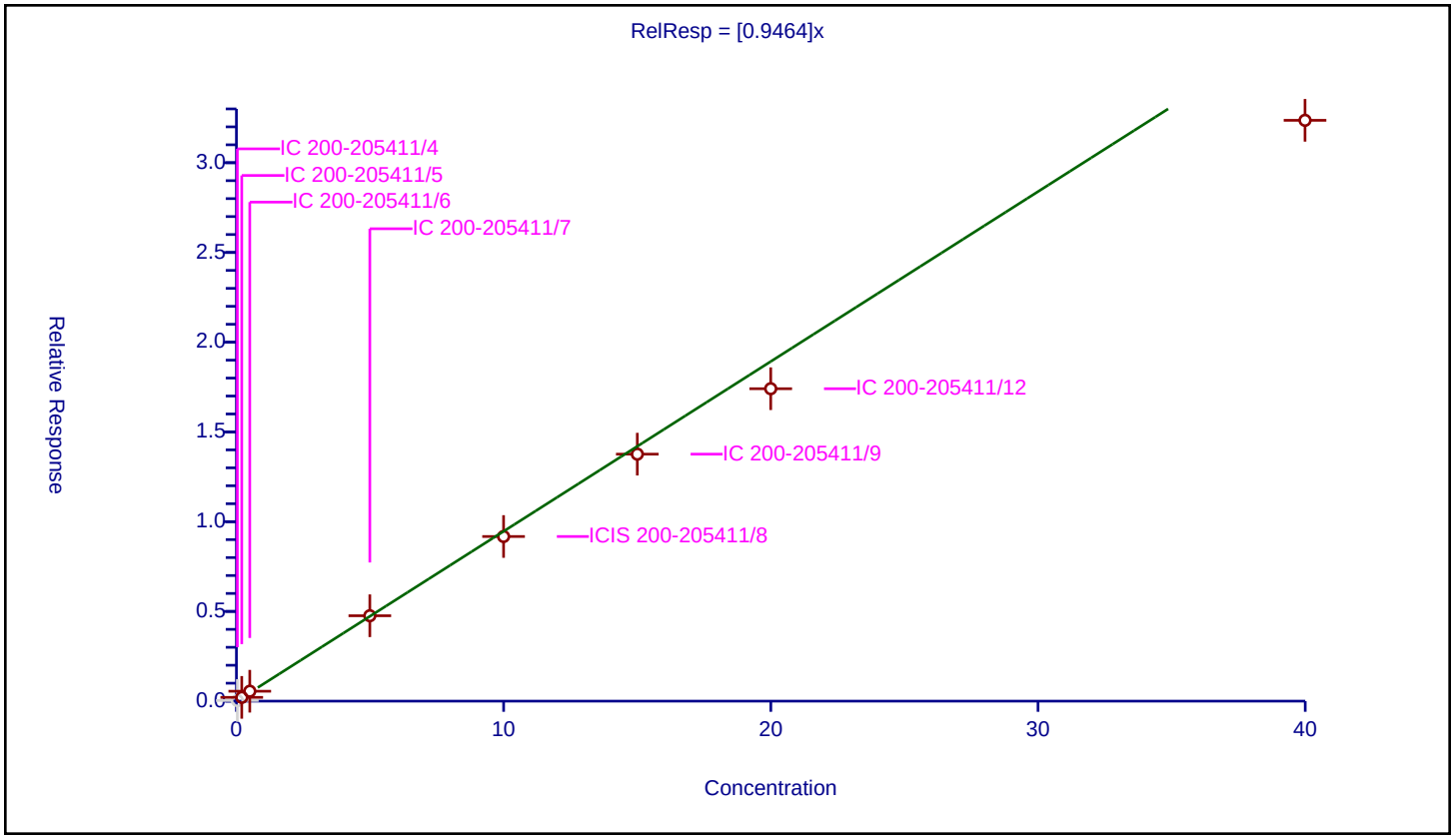
Curve Coefficients

Intercept:	0
Slope:	0.9464

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.035161	10.0	1537206.0	1.002402	N
2	IC 200-205411/5	0.20044	0.21071	10.0	1564854.0	1.051238	Y
3	IC 200-205411/6	0.500453	0.55332	10.0	1514730.0	1.105639	Y
4	IC 200-205411/7	4.992563	4.758017	10.0	1607945.0	0.953021	Y
5	ICIS 200-205411/8	9.99806	9.173724	10.0	1633171.0	0.91755	Y
6	IC 200-205411/9	15.003557	13.762839	10.0	1598373.0	0.917305	Y
7	IC 200-205411/12	19.99612	17.4093	10.0	1686004.0	0.870634	Y
8	IC 200-205411/13	39.99224	32.363045	10.0	1686925.0	0.809233	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

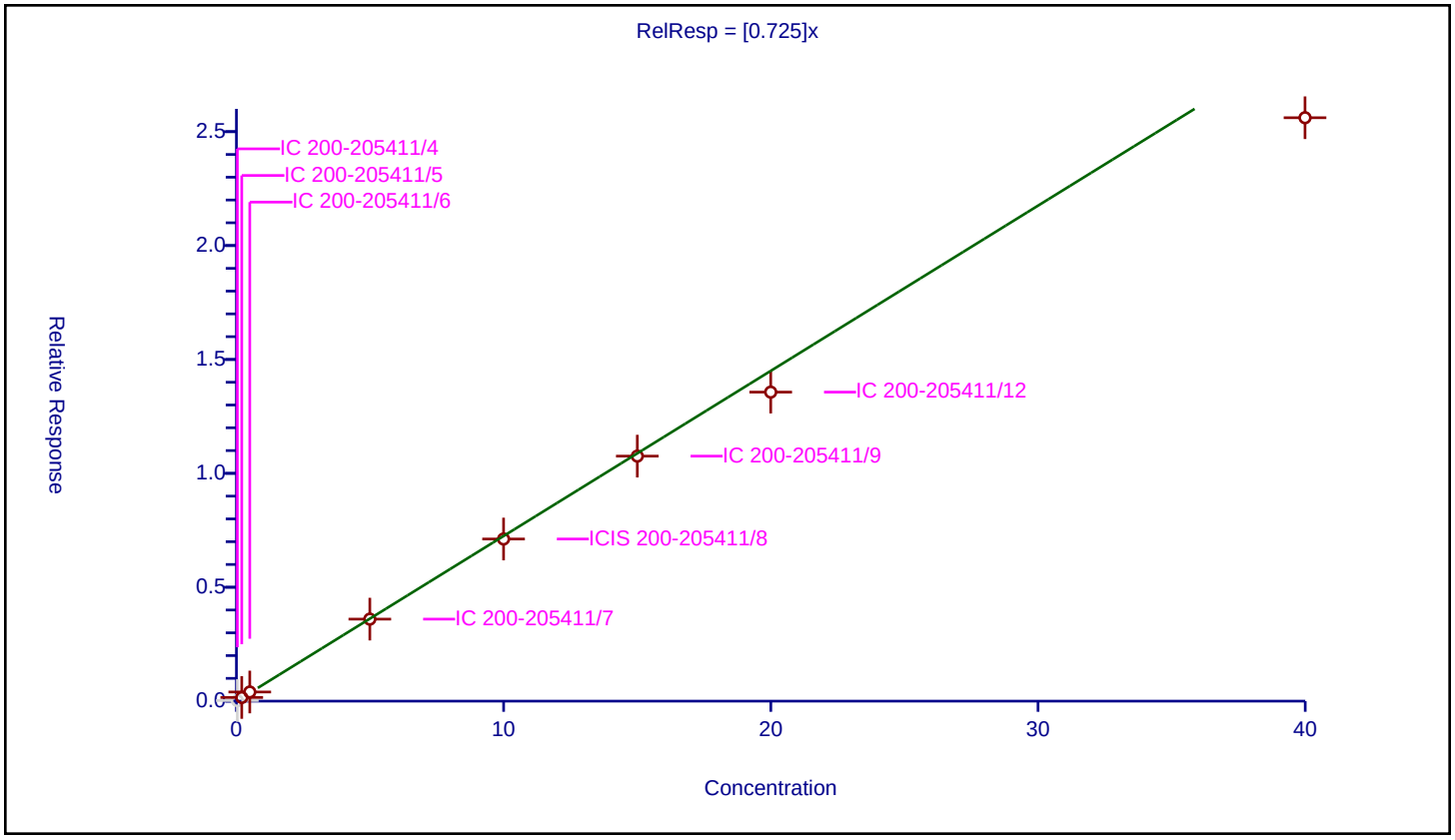
Curve Coefficients

Intercept:	0
Slope:	0.725

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.026574	10.0	1537206.0	0.757597	N
2	IC 200-205411/5	0.20044	0.160942	10.0	1564854.0	0.802943	Y
3	IC 200-205411/6	0.500453	0.402078	10.0	1514730.0	0.803429	Y
4	IC 200-205411/7	4.992563	3.600633	10.0	1607945.0	0.721199	Y
5	ICIS 200-205411/8	9.99806	7.117883	10.0	1633171.0	0.711926	Y
6	IC 200-205411/9	15.003557	10.756863	10.0	1598373.0	0.716954	Y
7	IC 200-205411/12	19.99612	13.565786	10.0	1686004.0	0.678421	Y
8	IC 200-205411/13	39.99224	25.612075	10.0	1686925.0	0.640426	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

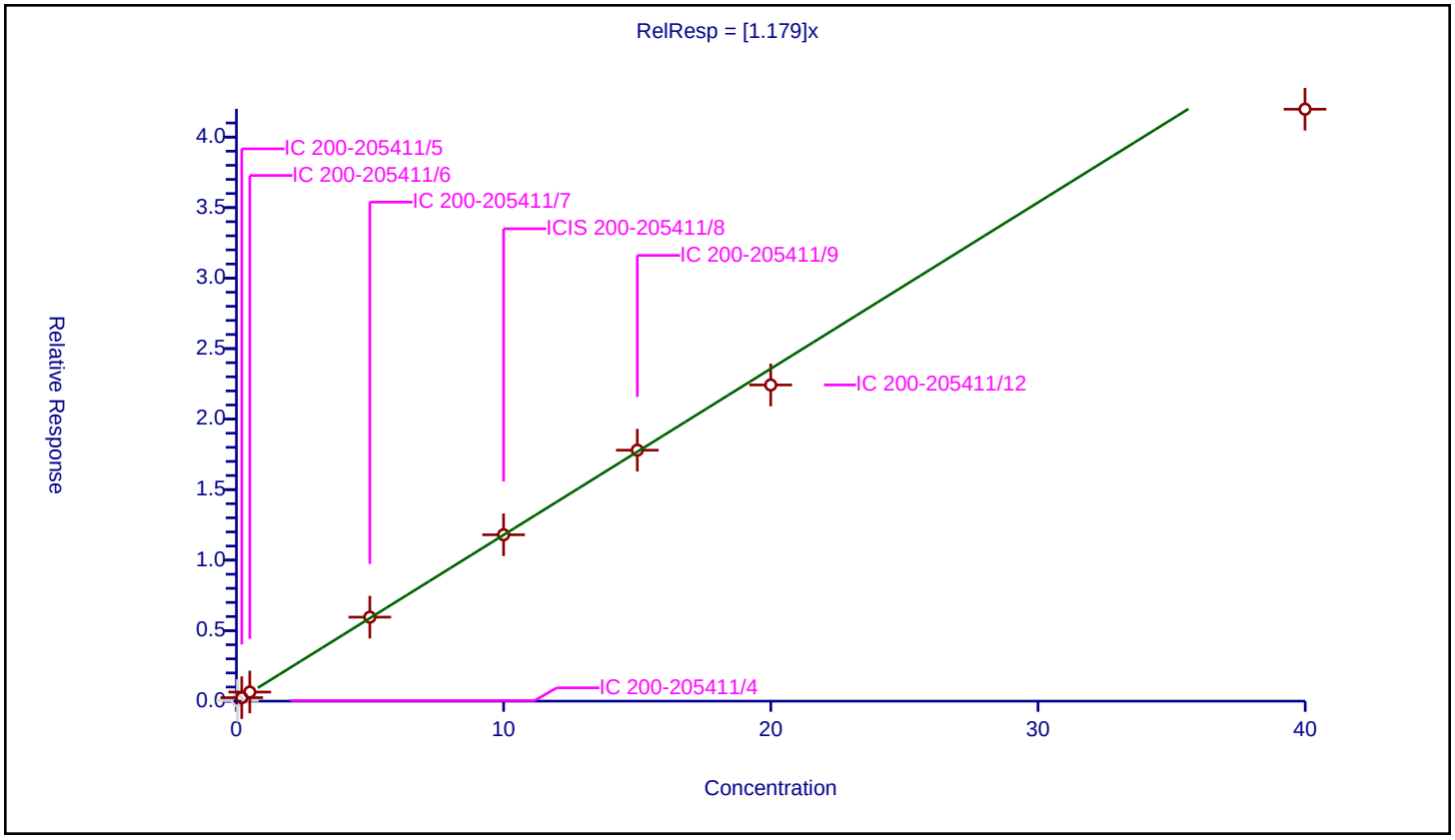
Curve Coefficients

Intercept:	0
Slope:	1.179

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.040749	10.0	1537206.0	1.161711	N
2	IC 200-205411/5	0.20044	0.2467	10.0	1564854.0	1.230796	Y
3	IC 200-205411/6	0.500453	0.645871	10.0	1514730.0	1.290574	Y
4	IC 200-205411/7	4.992563	5.95539	10.0	1607945.0	1.192852	Y
5	ICIS 200-205411/8	9.99806	11.798764	10.0	1633171.0	1.180105	Y
6	IC 200-205411/9	15.003557	17.796647	10.0	1598373.0	1.186162	Y
7	IC 200-205411/12	19.99612	22.421791	10.0	1686004.0	1.121307	Y
8	IC 200-205411/13	39.99224	41.977272	10.0	1686925.0	1.049635	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

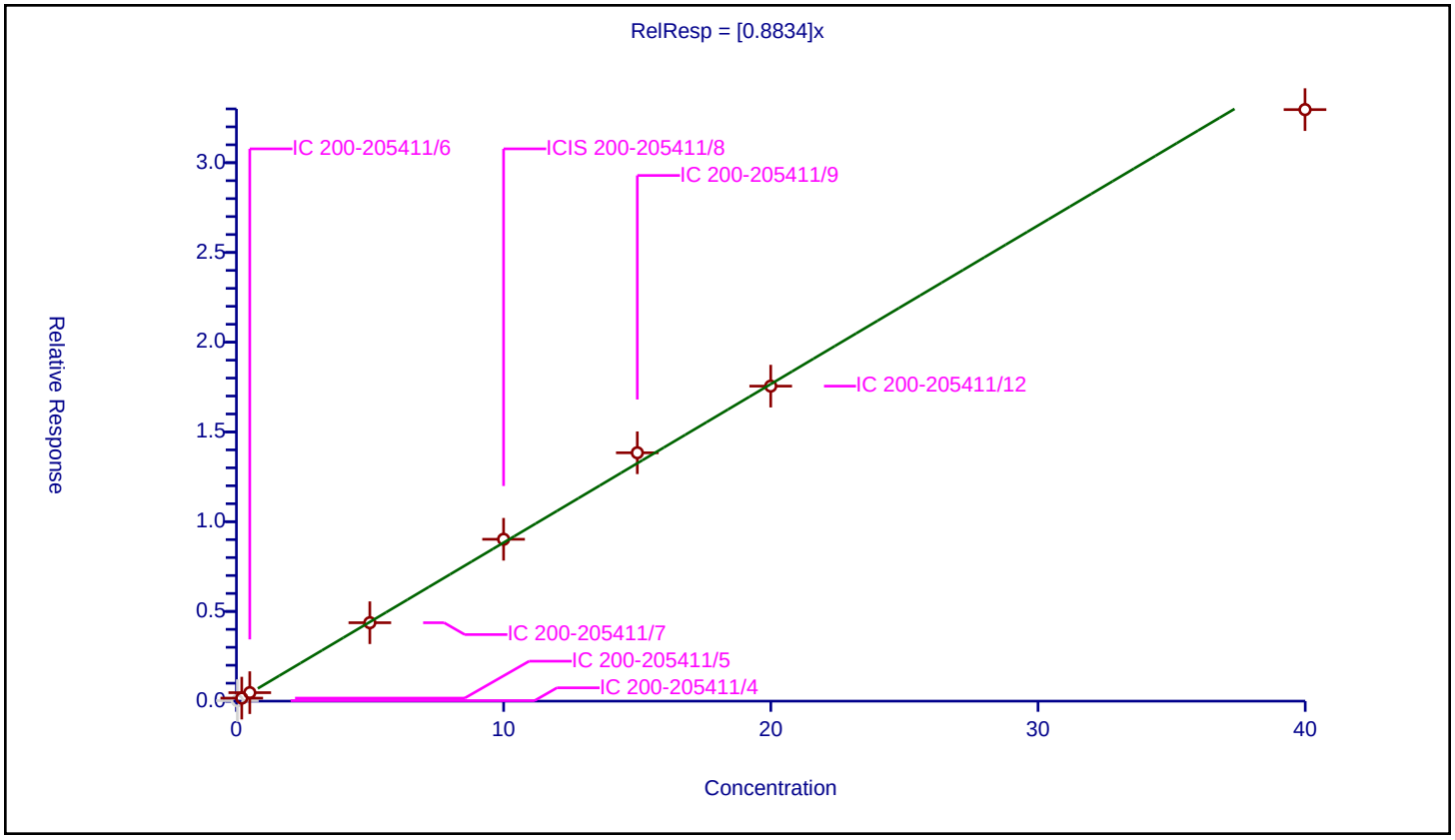
Curve Coefficients

Intercept:	0
Slope:	0.8834

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.027173	10.0	1537206.0	0.774659	N
2	IC 200-205411/5	0.20044	0.168099	10.0	1564854.0	0.83865	Y
3	IC 200-205411/6	0.500453	0.472111	10.0	1514730.0	0.943367	Y
4	IC 200-205411/7	4.992563	4.369528	10.0	1607945.0	0.875207	Y
5	ICIS 200-205411/8	9.99806	9.019343	10.0	1633171.0	0.902109	Y
6	IC 200-205411/9	15.003557	13.839786	10.0	1598373.0	0.922434	Y
7	IC 200-205411/12	19.99612	17.553232	10.0	1686004.0	0.877832	Y
8	IC 200-205411/13	39.99224	32.959391	10.0	1686925.0	0.824145	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

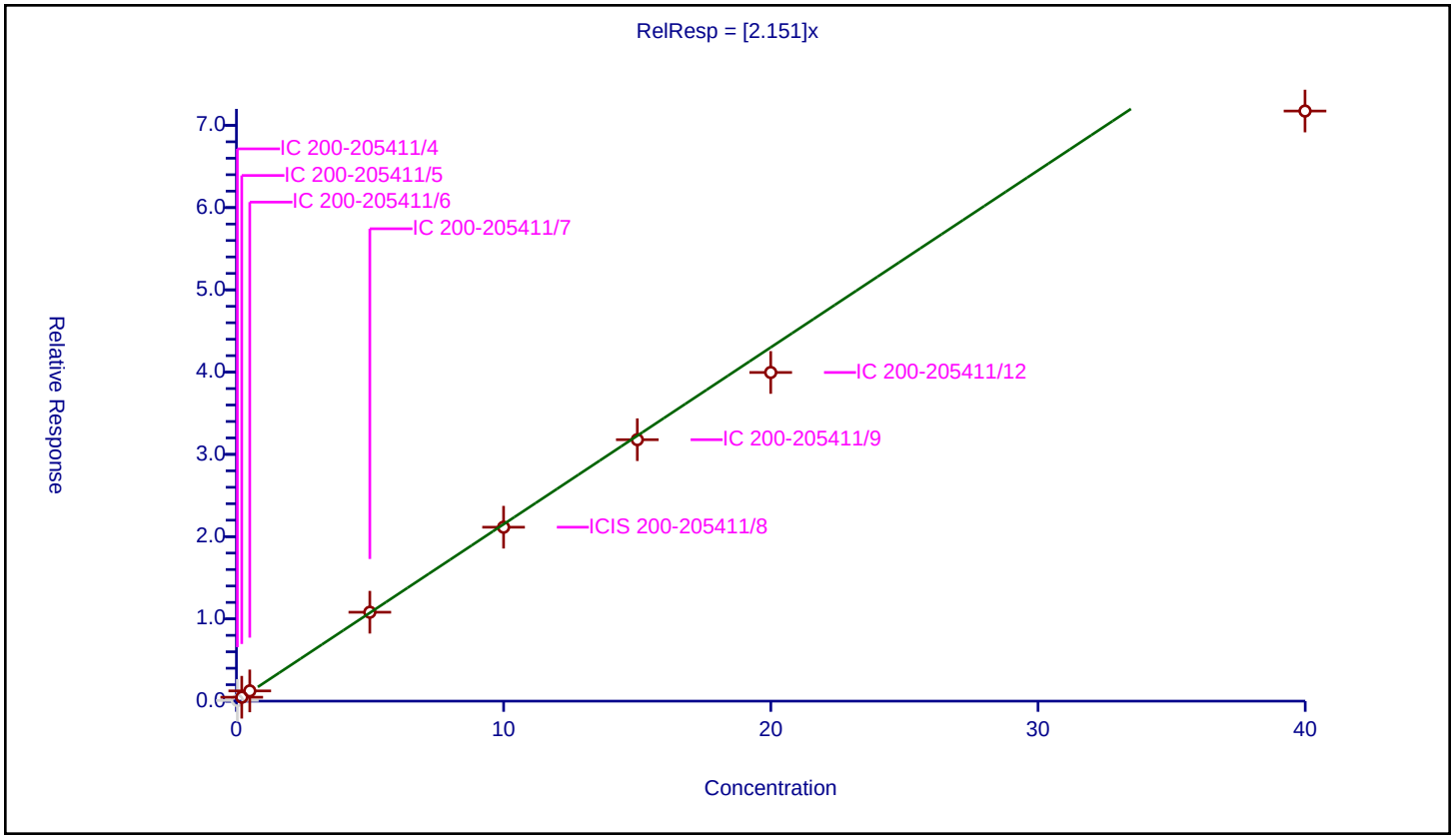
Curve Coefficients

Intercept:	0
Slope:	2.151

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.082448	10.0	1537206.0	2.350498	N
2	IC 200-205411/5	0.20044	0.475693	10.0	1564854.0	2.373248	Y
3	IC 200-205411/6	0.500453	1.246341	10.0	1514730.0	2.490428	Y
4	IC 200-205411/7	4.992563	10.808908	10.0	1607945.0	2.165002	Y
5	ICIS 200-205411/8	9.99806	21.144804	10.0	1633171.0	2.114891	Y
6	IC 200-205411/9	15.003557	31.785328	10.0	1598373.0	2.11852	Y
7	IC 200-205411/12	19.99612	39.957384	10.0	1686004.0	1.998257	Y
8	IC 200-205411/13	39.99224	71.741951	10.0	1686925.0	1.793897	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

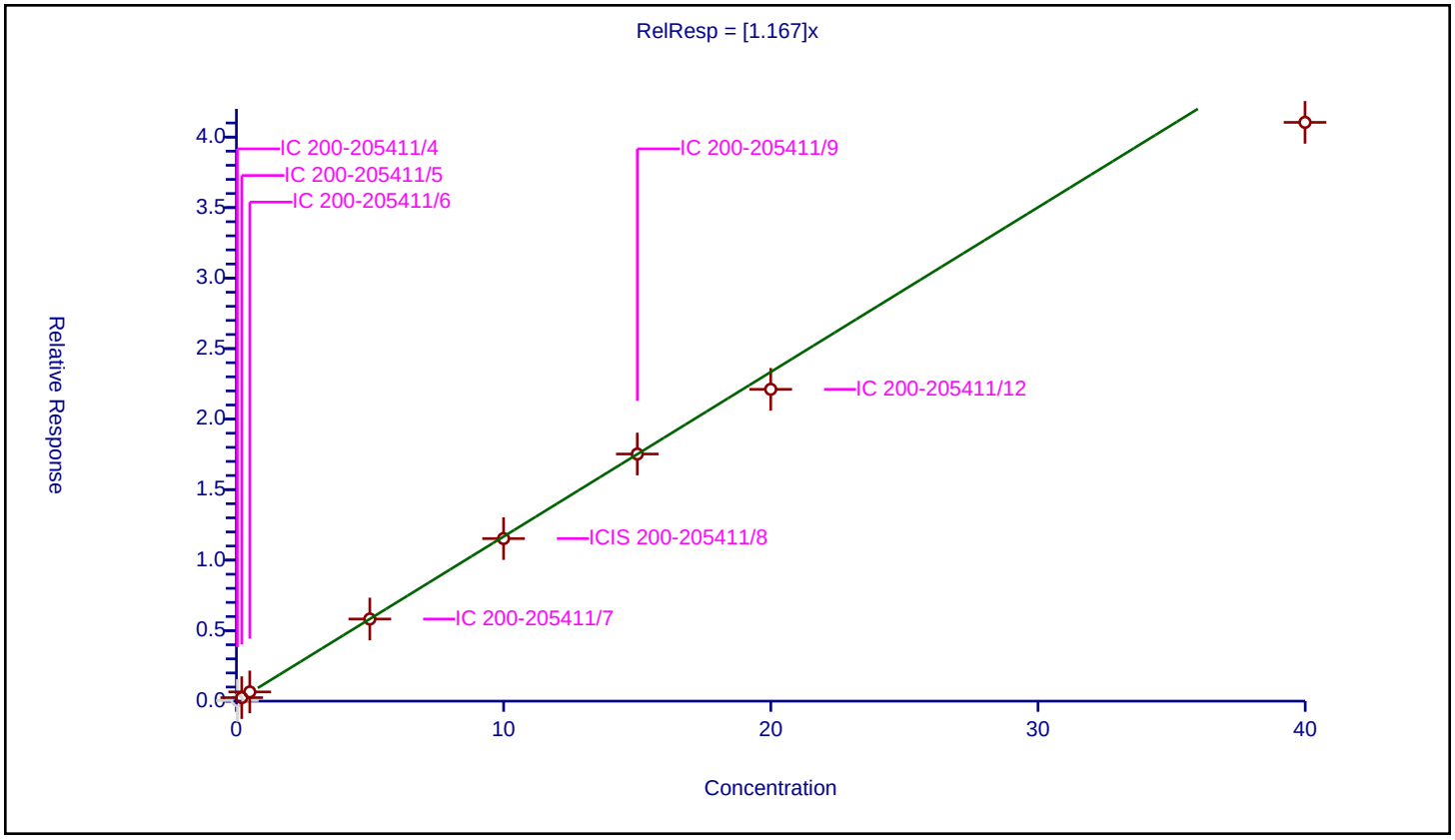
Curve Coefficients

Intercept:	0
Slope:	1.167

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.043774	10.0	1537206.0	1.247949	N
2	IC 200-205411/5	0.20044	0.249218	10.0	1564854.0	1.243357	Y
3	IC 200-205411/6	0.500453	0.654572	10.0	1514730.0	1.30796	Y
4	IC 200-205411/7	4.992563	5.823315	10.0	1607945.0	1.166398	Y
5	ICIS 200-205411/8	9.99806	11.52796	10.0	1633171.0	1.15302	Y
6	IC 200-205411/9	15.003557	17.525421	10.0	1598373.0	1.168084	Y
7	IC 200-205411/12	19.99612	22.113655	10.0	1686004.0	1.105897	Y
8	IC 200-205411/13	39.99224	41.044611	10.0	1686925.0	1.026314	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

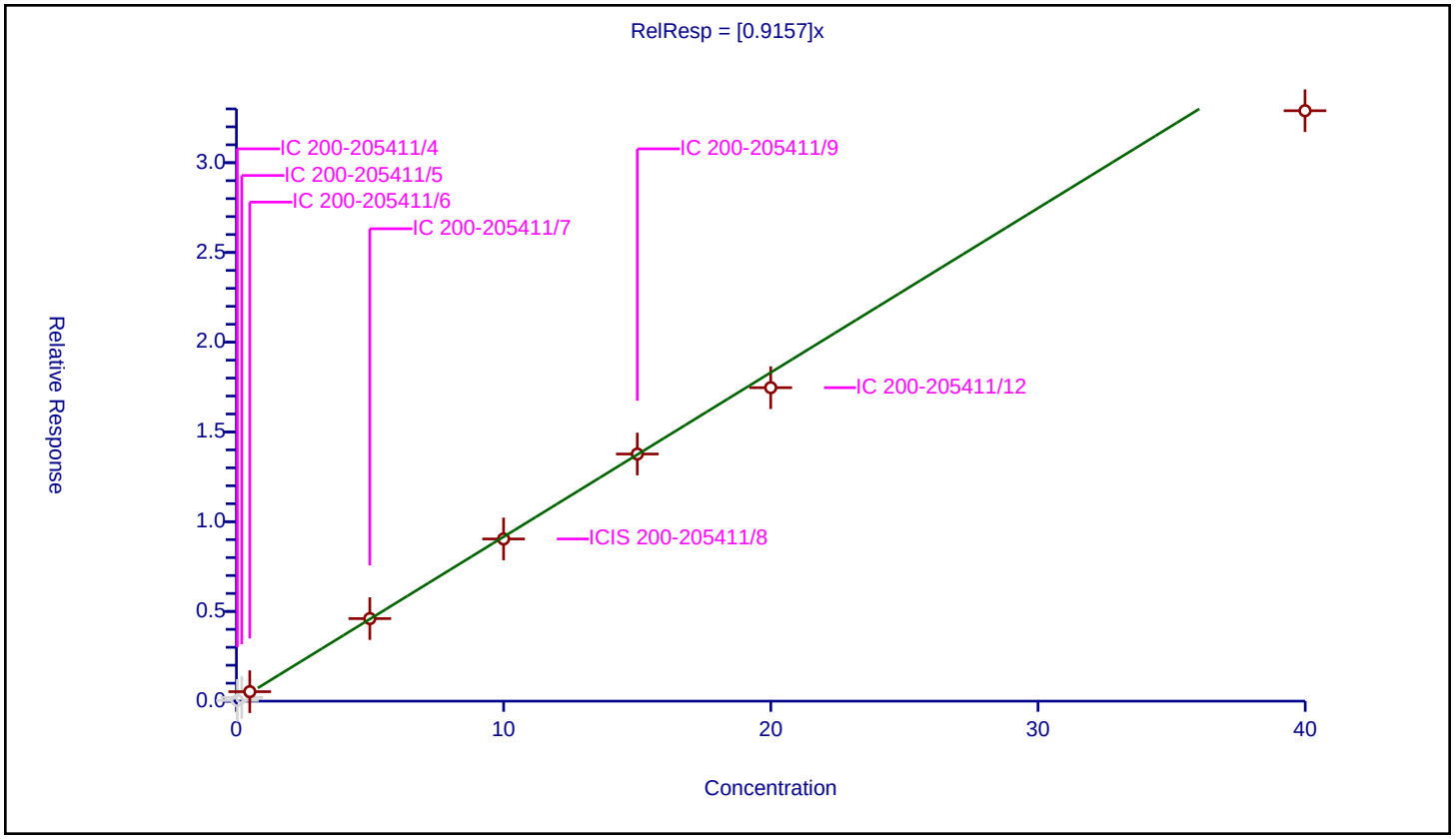
Curve Coefficients

Intercept:	0
Slope:	0.9157

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.036833	10.0	1537206.0	1.050065	N
2	IC 200-205411/5	0.20044	0.205943	10.0	1564854.0	1.027454	N
3	IC 200-205411/6	0.500453	0.528048	10.0	1514730.0	1.055141	Y
4	IC 200-205411/7	4.992563	4.599374	10.0	1607945.0	0.921245	Y
5	ICIS 200-205411/8	9.99806	9.036378	10.0	1633171.0	0.903813	Y
6	IC 200-205411/9	15.003557	13.770447	10.0	1598373.0	0.917812	Y
7	IC 200-205411/12	19.99612	17.467147	10.0	1686004.0	0.873527	Y
8	IC 200-205411/13	39.99224	32.89819	10.0	1686925.0	0.822614	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

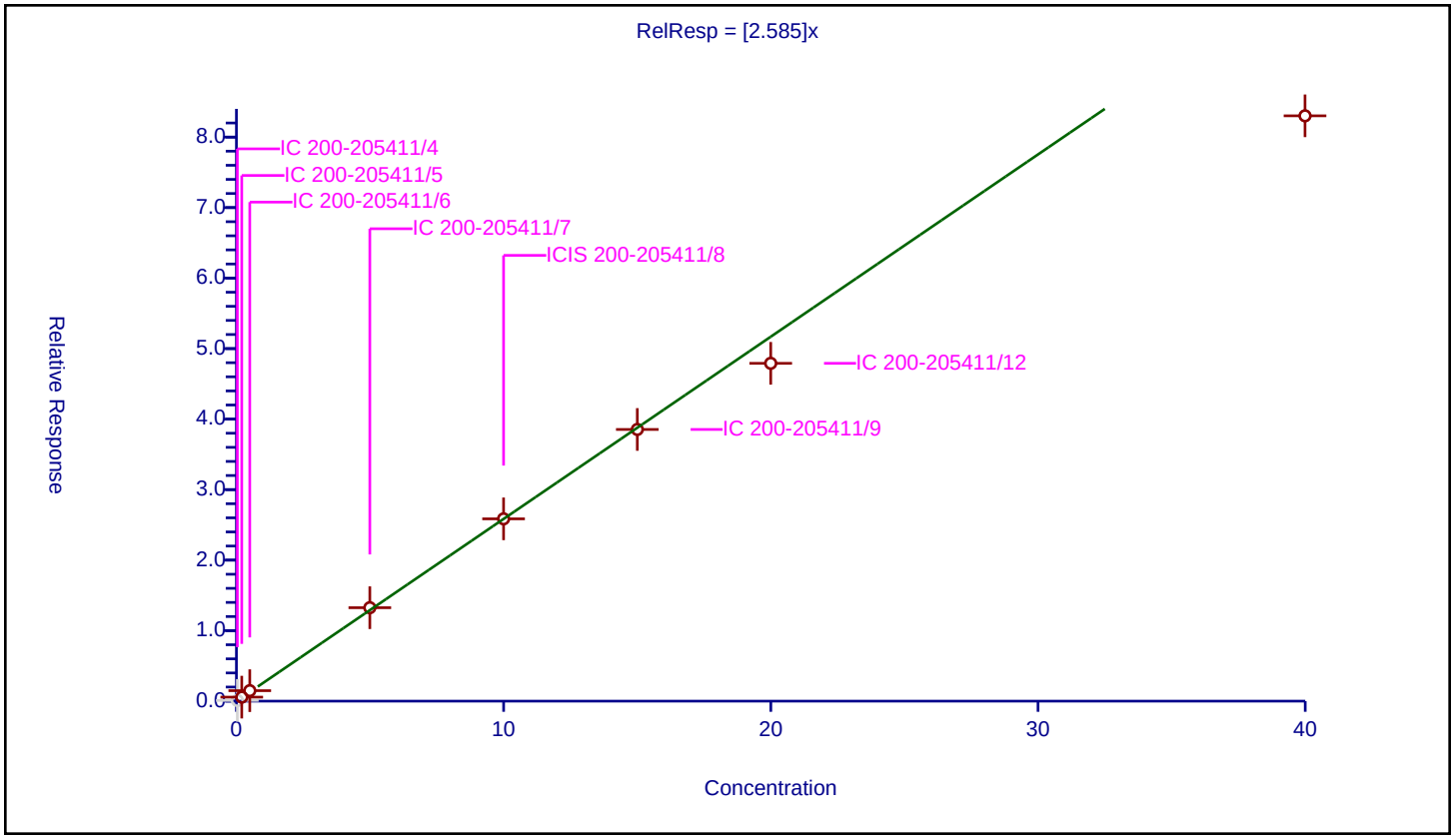
Curve Coefficients

Intercept:	0
Slope:	2.585

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.101743	10.0	1537206.0	2.900567	N
2	IC 200-205411/5	0.20044	0.569734	10.0	1564854.0	2.84242	Y
3	IC 200-205411/6	0.500453	1.485935	10.0	1514730.0	2.969182	Y
4	IC 200-205411/7	4.992563	13.253103	10.0	1607945.0	2.654569	Y
5	ICIS 200-205411/8	9.99806	25.855535	10.0	1633171.0	2.586055	Y
6	IC 200-205411/9	15.003557	38.534979	10.0	1598373.0	2.56839	Y
7	IC 200-205411/12	19.99612	47.914216	10.0	1686004.0	2.396176	Y
8	IC 200-205411/13	39.99224	83.015991	10.0	1686925.0	2.075802	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

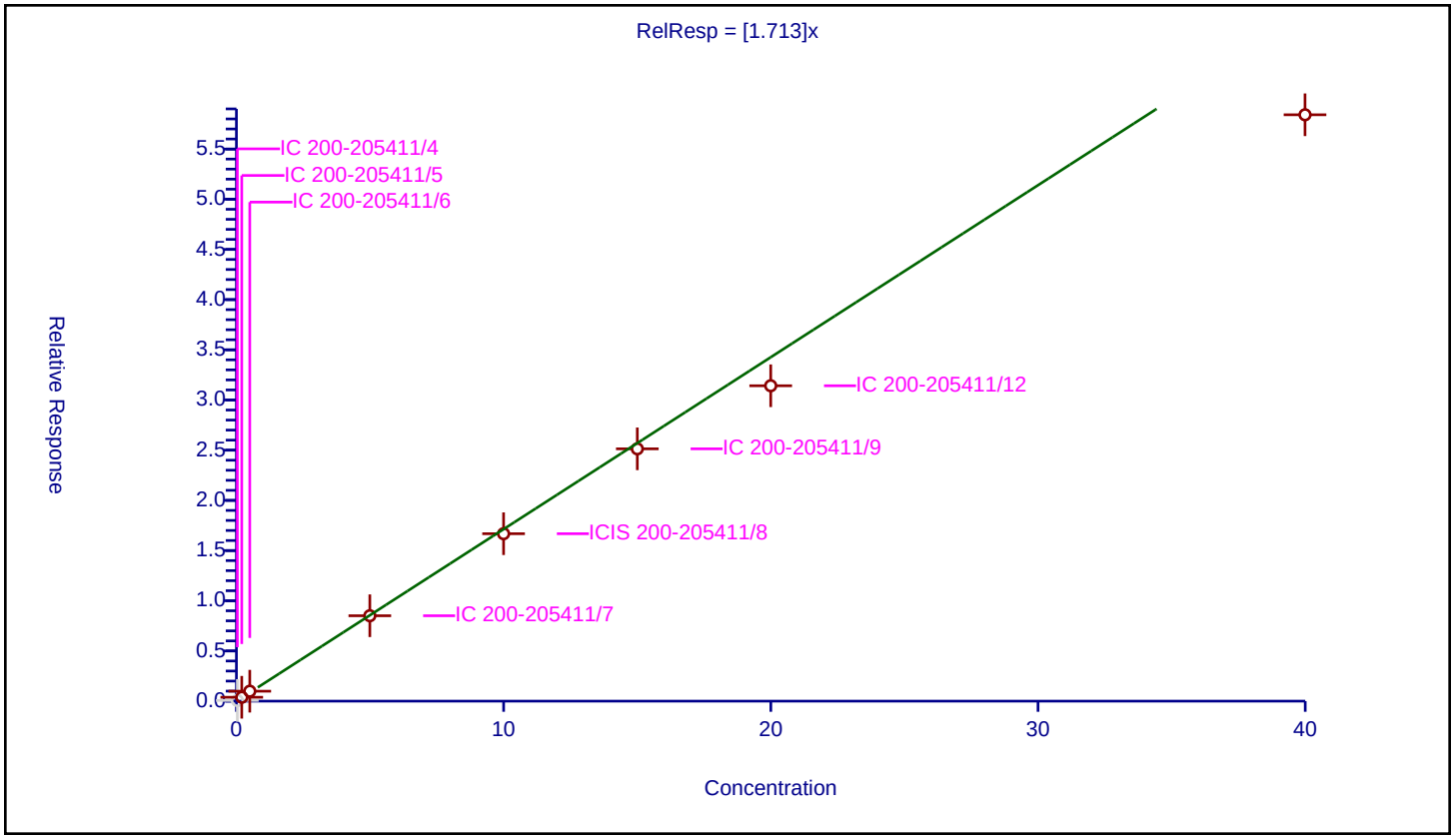
Curve Coefficients

Intercept:	0
Slope:	1.713

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.067154	10.0	1537206.0	1.914486	N
2	IC 200-205411/5	0.20044	0.387225	10.0	1564854.0	1.931876	Y
3	IC 200-205411/6	0.500453	0.991649	10.0	1514730.0	1.981504	Y
4	IC 200-205411/7	4.992563	8.507094	10.0	1607945.0	1.703953	Y
5	ICIS 200-205411/8	9.99806	16.679503	10.0	1633171.0	1.668274	Y
6	IC 200-205411/9	15.003557	25.135497	10.0	1598373.0	1.675303	Y
7	IC 200-205411/12	19.99612	31.417879	10.0	1686004.0	1.571199	Y
8	IC 200-205411/13	39.99224	58.412526	10.0	1686925.0	1.460597	Y



Calibration / 4-Ethyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

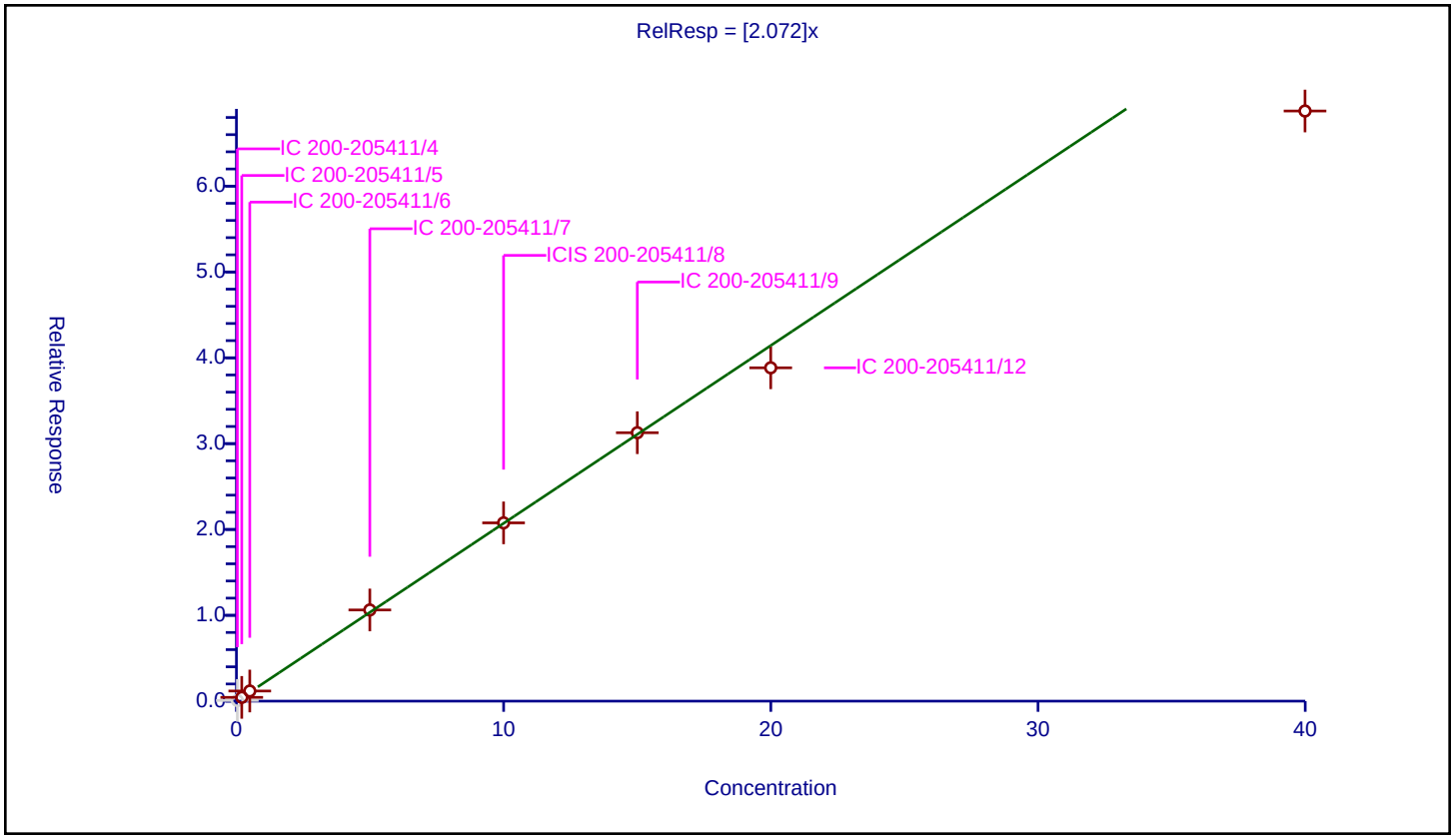
Curve Coefficients

Intercept:	0
Slope:	2.072

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.079007	10.0	1537206.0	2.252391	N
2	IC 200-205411/5	0.20044	0.43983	10.0	1564854.0	2.194327	Y
3	IC 200-205411/6	0.500453	1.179629	10.0	1514730.0	2.357125	Y
4	IC 200-205411/7	4.992563	10.622024	10.0	1607945.0	2.127569	Y
5	ICIS 200-205411/8	9.99806	20.770464	10.0	1633171.0	2.077449	Y
6	IC 200-205411/9	15.003557	31.273364	10.0	1598373.0	2.084397	Y
7	IC 200-205411/12	19.99612	38.835691	10.0	1686004.0	1.942161	Y
8	IC 200-205411/13	39.99224	68.754734	10.0	1686925.0	1.719202	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

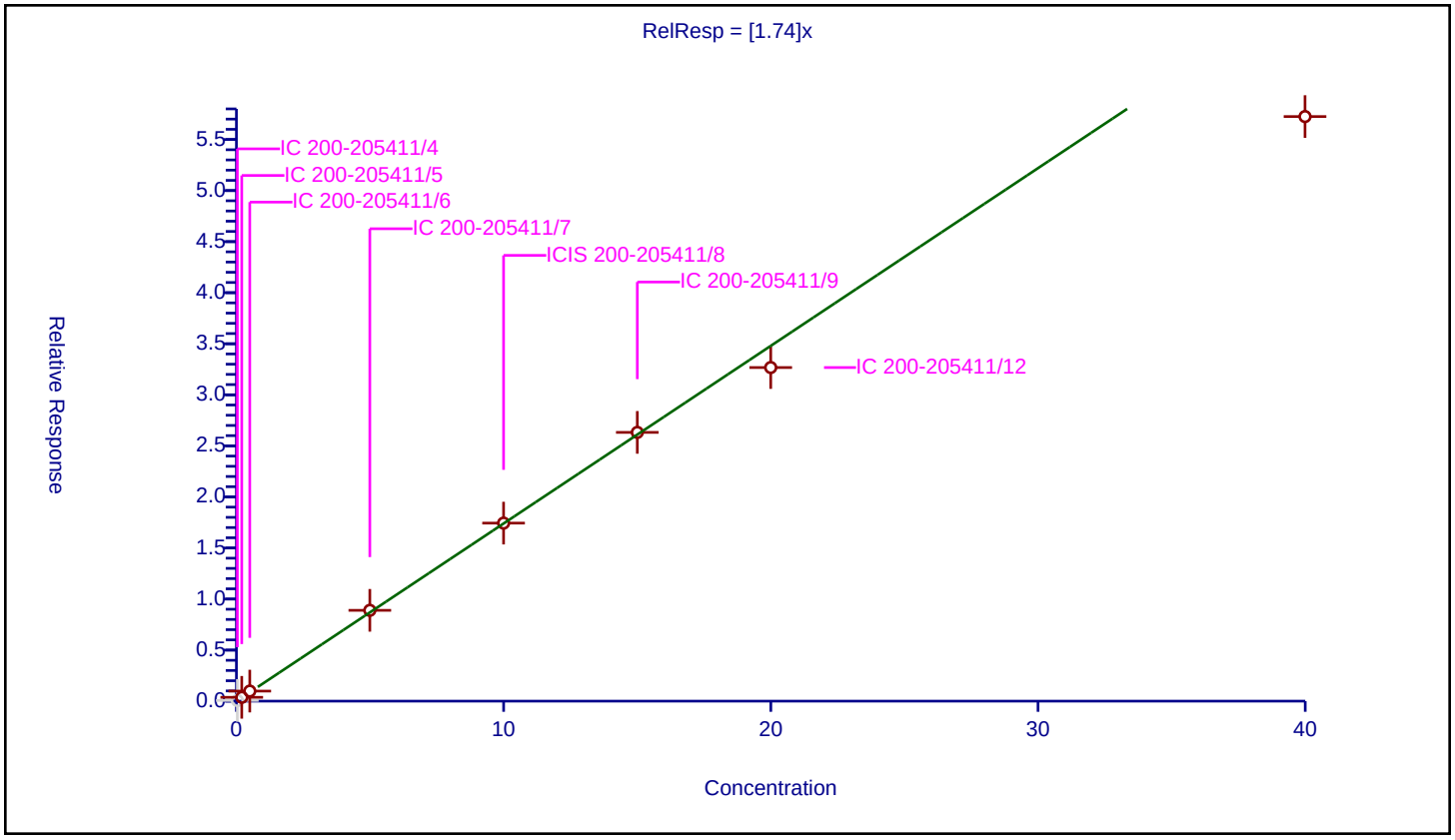
Curve Coefficients

Intercept:	0
Slope:	1.74

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.065678	10.0	1537206.0	1.872387	N
2	IC 200-205411/5	0.20044	0.373945	10.0	1564854.0	1.865626	Y
3	IC 200-205411/6	0.500453	0.985152	10.0	1514730.0	1.968523	Y
4	IC 200-205411/7	4.992563	8.89314	10.0	1607945.0	1.781278	Y
5	ICIS 200-205411/8	9.99806	17.436196	10.0	1633171.0	1.743958	Y
6	IC 200-205411/9	15.003557	26.320483	10.0	1598373.0	1.754283	Y
7	IC 200-205411/12	19.99612	32.669976	10.0	1686004.0	1.633816	Y
8	IC 200-205411/13	39.99224	57.247773	10.0	1686925.0	1.431472	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

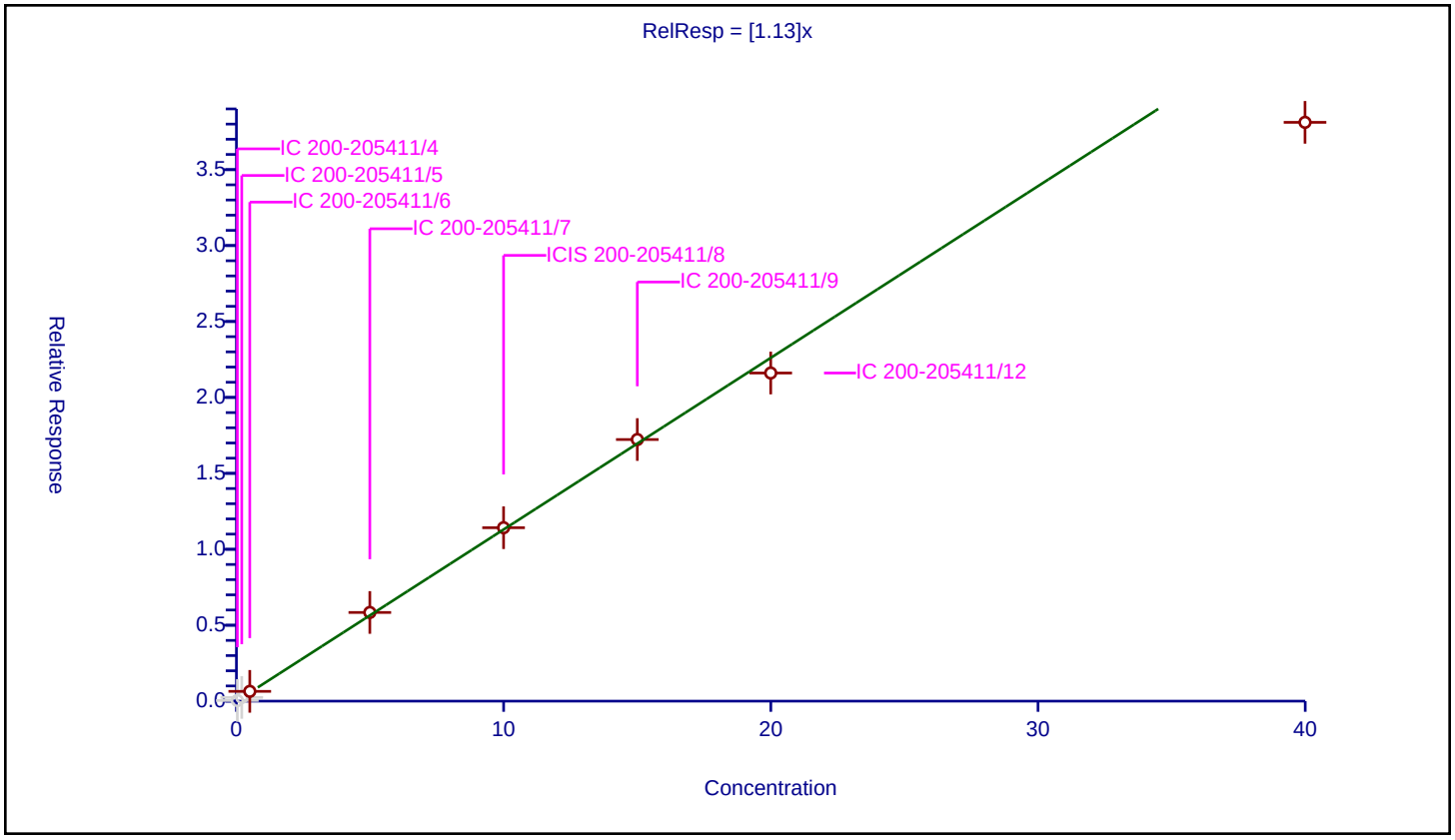
Curve Coefficients

Intercept:	0
Slope:	1.13

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.04205	10.0	1537206.0	1.198802	N
2	IC 200-205411/5	0.20044	0.243039	10.0	1564854.0	1.212528	N
3	IC 200-205411/6	0.500453	0.645065	10.0	1514730.0	1.288964	Y
4	IC 200-205411/7	4.992563	5.839286	10.0	1607945.0	1.169597	Y
5	ICIS 200-205411/8	9.99806	11.420041	10.0	1633171.0	1.142226	Y
6	IC 200-205411/9	15.003557	17.227869	10.0	1598373.0	1.148252	Y
7	IC 200-205411/12	19.99612	21.607268	10.0	1686004.0	1.080573	Y
8	IC 200-205411/13	39.99224	38.113858	10.0	1686925.0	0.953031	Y



Calibration / Alpha Methyl Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

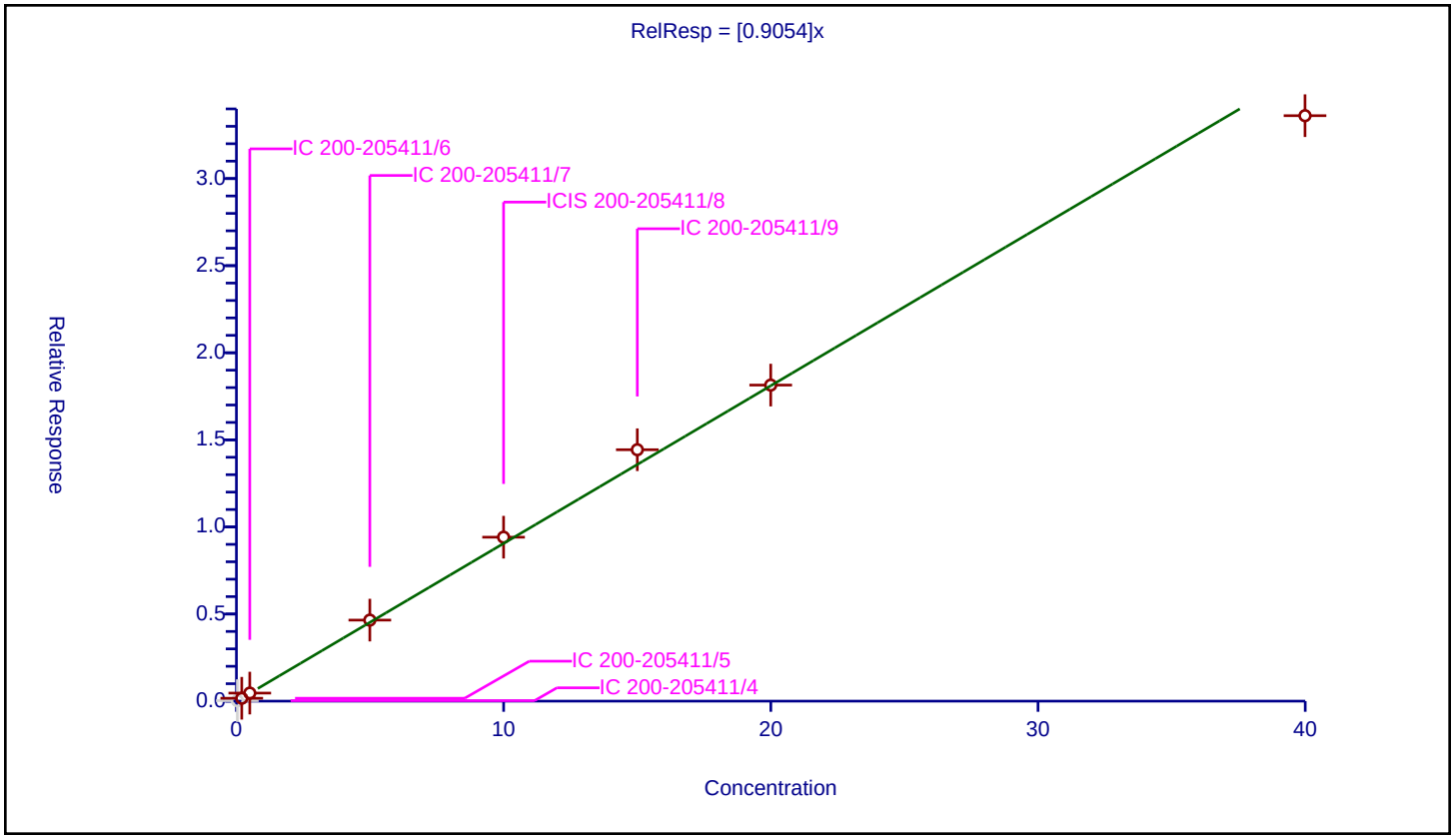
Curve Coefficients

Intercept:	0
Slope:	0.9054

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.028506	10.0	1537206.0	0.812678	N
2	IC 200-205411/5	0.20044	0.166284	10.0	1564854.0	0.829596	Y
3	IC 200-205411/6	0.500453	0.463158	10.0	1514730.0	0.925479	Y
4	IC 200-205411/7	4.992563	4.65246	10.0	1607945.0	0.931878	Y
5	ICIS 200-205411/8	9.99806	9.411164	10.0	1633171.0	0.941299	Y
6	IC 200-205411/9	15.003557	14.433446	10.0	1598373.0	0.962002	Y
7	IC 200-205411/12	19.99612	18.144376	10.0	1686004.0	0.907395	Y
8	IC 200-205411/13	39.99224	33.609538	10.0	1686925.0	0.840401	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

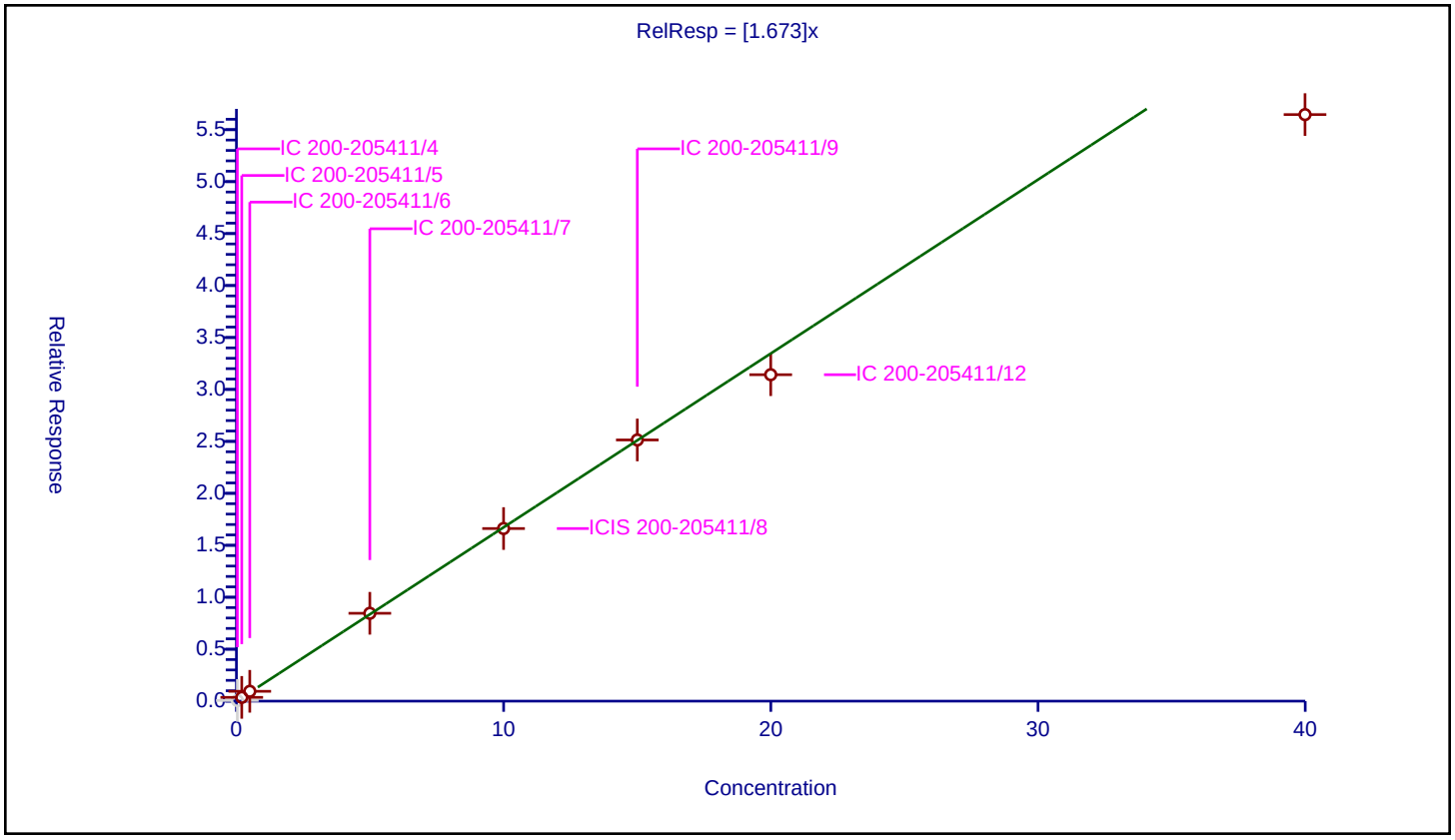
Curve Coefficients

Intercept:	0
Slope:	1.673

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.063635	10.0	1537206.0	1.814153	N
2	IC 200-205411/5	0.20044	0.361721	10.0	1564854.0	1.804636	Y
3	IC 200-205411/6	0.500453	0.947562	10.0	1514730.0	1.893409	Y
4	IC 200-205411/7	4.992563	8.455519	10.0	1607945.0	1.693623	Y
5	ICIS 200-205411/8	9.99806	16.612767	10.0	1633171.0	1.661599	Y
6	IC 200-205411/9	15.003557	25.136761	10.0	1598373.0	1.675387	Y
7	IC 200-205411/12	19.99612	31.418543	10.0	1686004.0	1.571232	Y
8	IC 200-205411/13	39.99224	56.450382	10.0	1686925.0	1.411533	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

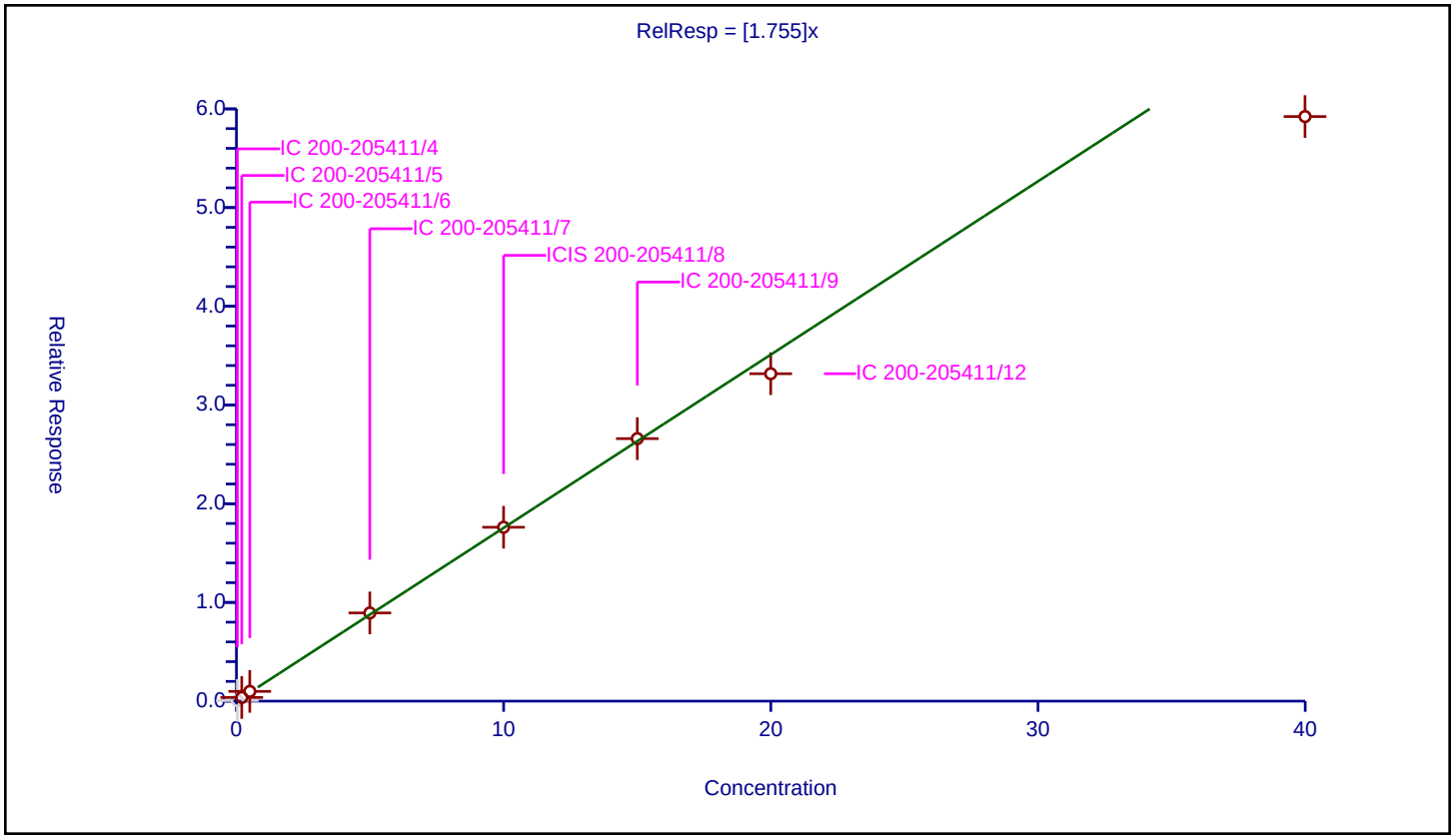
Curve Coefficients

Intercept:	0
Slope:	1.755

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.064272	10.0	1537206.0	1.832328	N
2	IC 200-205411/5	0.20044	0.370725	10.0	1564854.0	1.849557	Y
3	IC 200-205411/6	0.500453	0.988037	10.0	1514730.0	1.974288	Y
4	IC 200-205411/7	4.992563	8.935399	10.0	1607945.0	1.789742	Y
5	ICIS 200-205411/8	9.99806	17.614604	10.0	1633171.0	1.761802	Y
6	IC 200-205411/9	15.003557	26.596082	10.0	1598373.0	1.772652	Y
7	IC 200-205411/12	19.99612	33.171748	10.0	1686004.0	1.658909	Y
8	IC 200-205411/13	39.99224	59.224785	10.0	1686925.0	1.480907	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

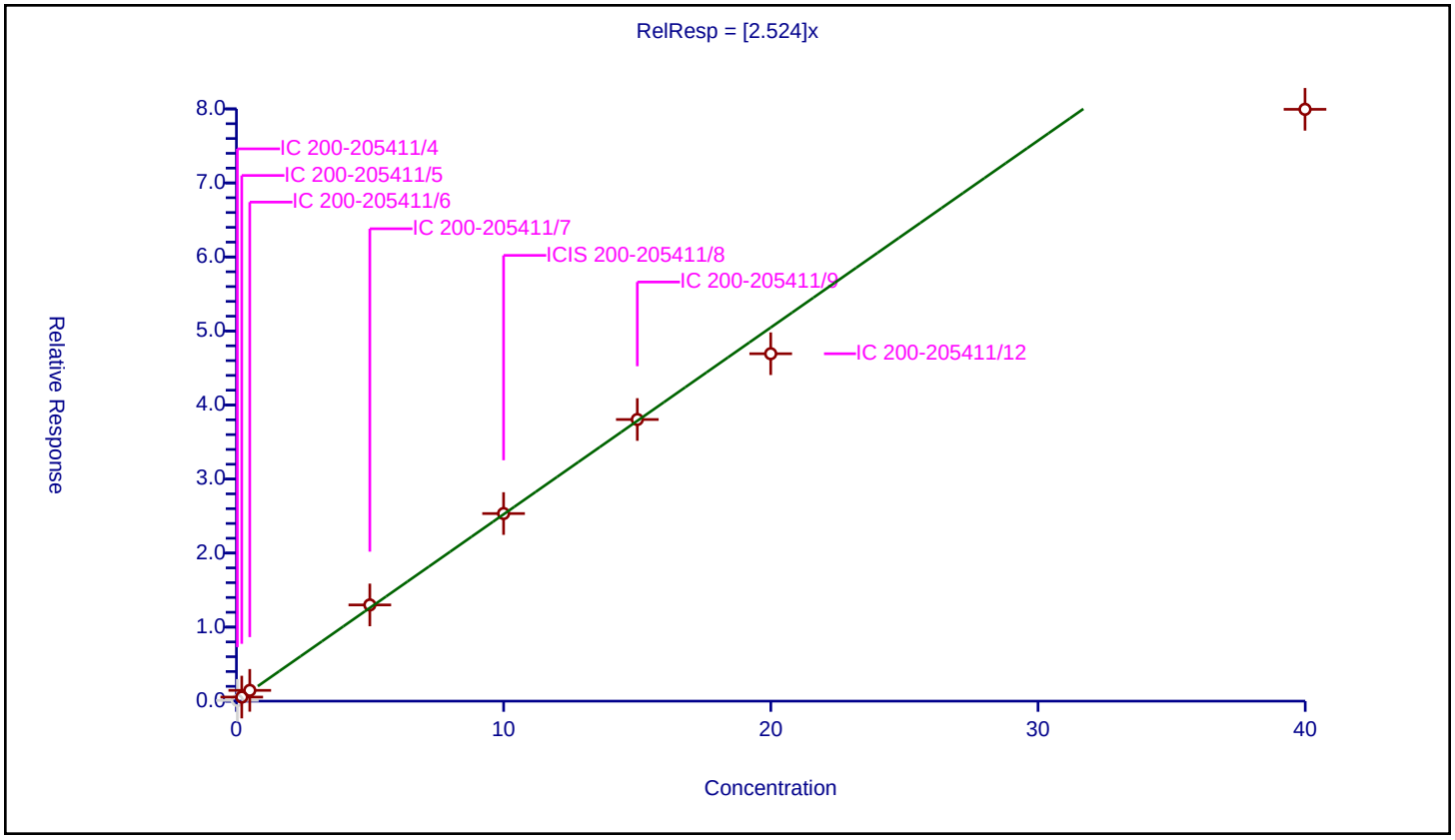
Curve Coefficients

Intercept:	0
Slope:	2.524

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.099082	10.0	1537206.0	2.824715	N
2	IC 200-205411/5	0.20044	0.549495	10.0	1564854.0	2.74145	Y
3	IC 200-205411/6	0.500453	1.454444	10.0	1514730.0	2.906257	Y
4	IC 200-205411/7	4.992563	12.995581	10.0	1607945.0	2.602988	Y
5	ICIS 200-205411/8	9.99806	25.33892	10.0	1633171.0	2.534384	Y
6	IC 200-205411/9	15.003557	38.043367	10.0	1598373.0	2.535623	Y
7	IC 200-205411/12	19.99612	46.931099	10.0	1686004.0	2.34701	Y
8	IC 200-205411/13	39.99224	79.94337	10.0	1686925.0	1.998972	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

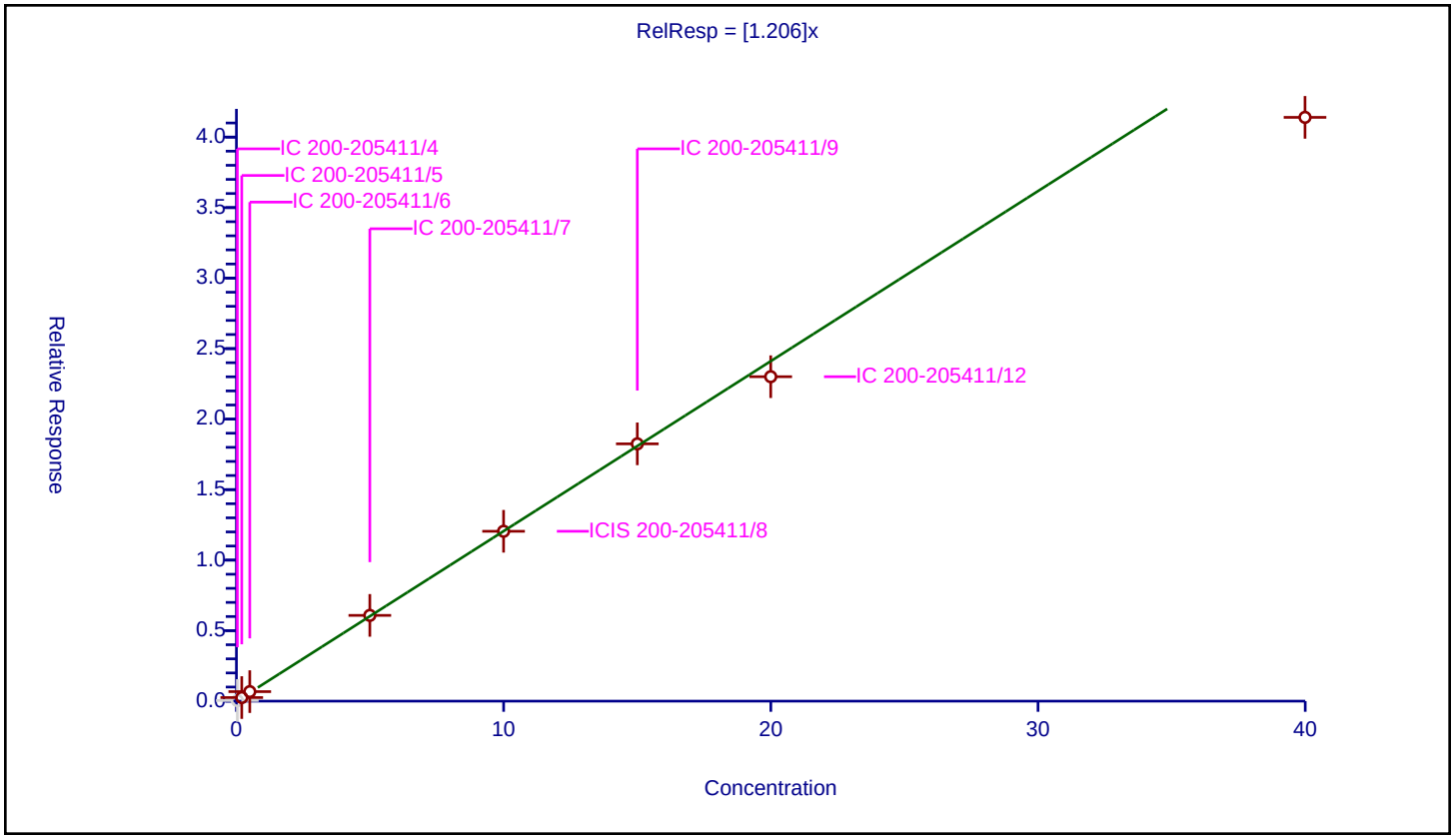
Curve Coefficients

Intercept:	0
Slope:	1.206

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.044106	10.0	1537206.0	1.257407	N
2	IC 200-205411/5	0.20044	0.253864	10.0	1564854.0	1.266535	Y
3	IC 200-205411/6	0.500453	0.674866	10.0	1514730.0	1.348512	Y
4	IC 200-205411/7	4.992563	6.08088	10.0	1607945.0	1.217988	Y
5	ICIS 200-205411/8	9.99806	12.046277	10.0	1633171.0	1.204861	Y
6	IC 200-205411/9	15.003557	18.247349	10.0	1598373.0	1.216202	Y
7	IC 200-205411/12	19.99612	23.008617	10.0	1686004.0	1.150654	Y
8	IC 200-205411/13	39.99224	41.399997	10.0	1686925.0	1.035201	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

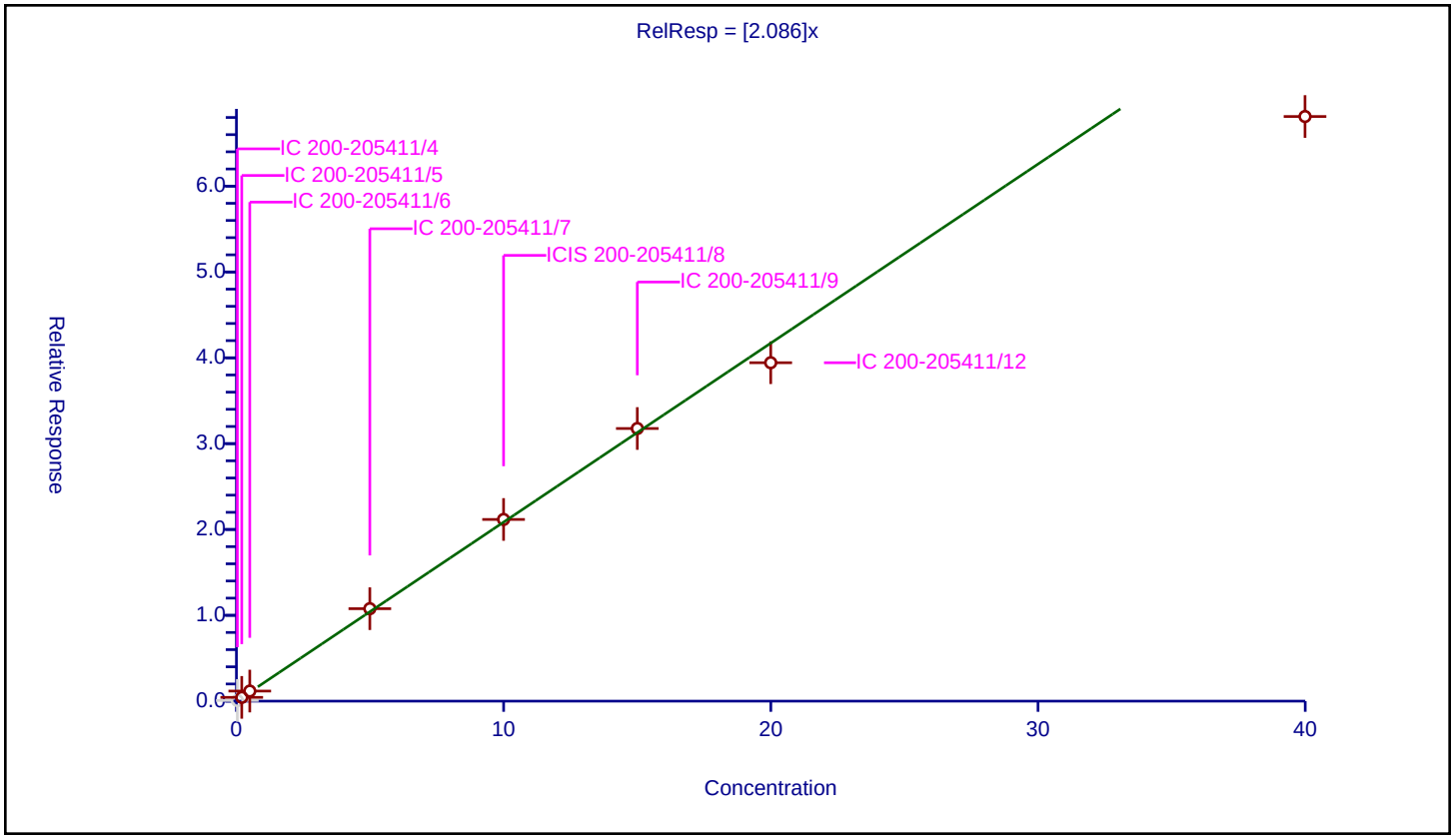
Curve Coefficients

Intercept:	0
Slope:	2.086

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.077049	10.0	1537206.0	2.196568	N
2	IC 200-205411/5	0.20044	0.438322	10.0	1564854.0	2.186803	Y
3	IC 200-205411/6	0.500453	1.174044	10.0	1514730.0	2.345965	Y
4	IC 200-205411/7	4.992563	10.773354	10.0	1607945.0	2.15788	Y
5	ICIS 200-205411/8	9.99806	21.166032	10.0	1633171.0	2.117014	Y
6	IC 200-205411/9	15.003557	31.764832	10.0	1598373.0	2.117153	Y
7	IC 200-205411/12	19.99612	39.428691	10.0	1686004.0	1.971817	Y
8	IC 200-205411/13	39.99224	68.11103	10.0	1686925.0	1.703106	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

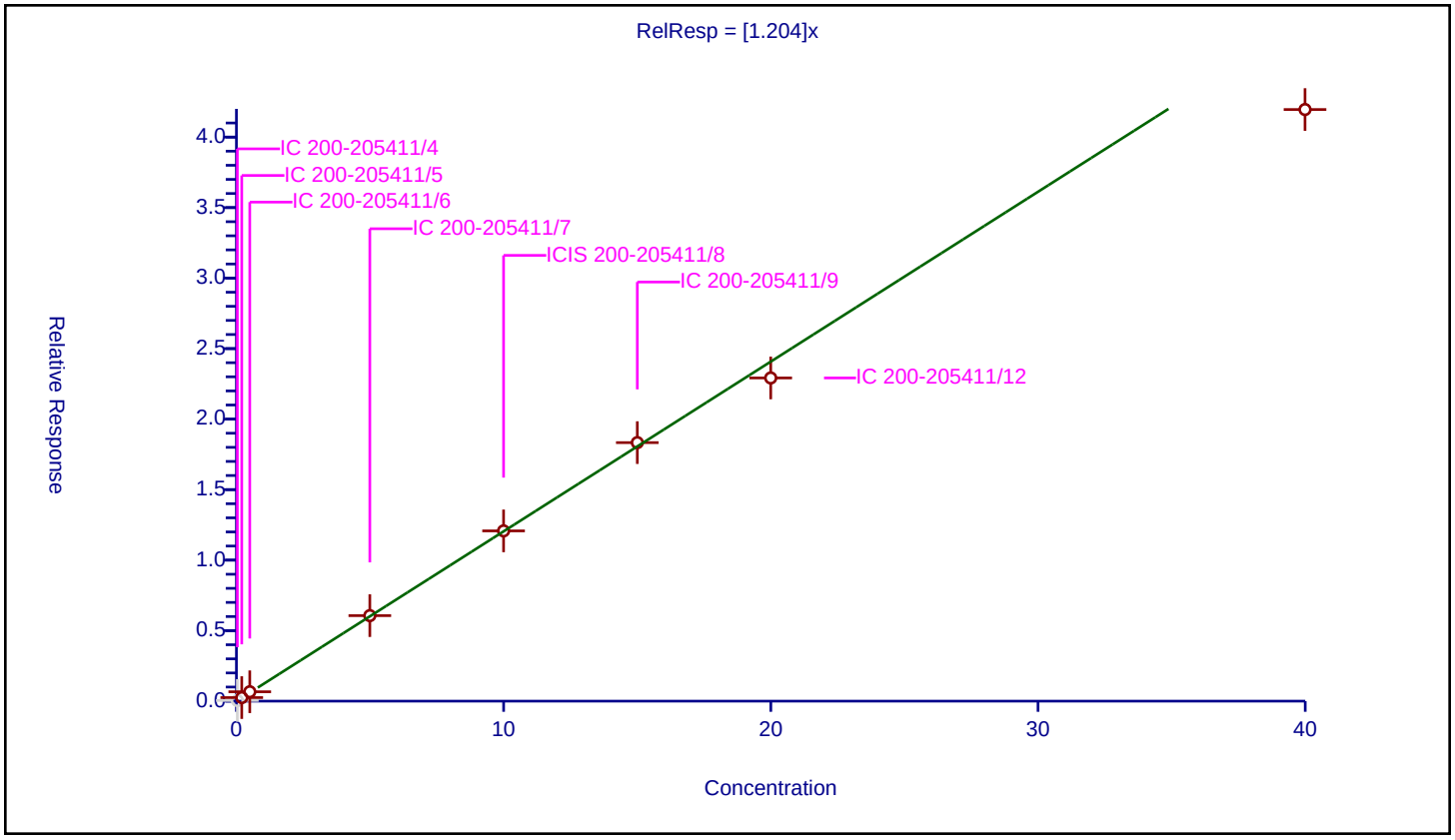
Curve Coefficients

Intercept:	0
Slope:	1.204

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.045498	10.0	1537206.0	1.297095	N
2	IC 200-205411/5	0.20044	0.251908	10.0	1564854.0	1.25678	Y
3	IC 200-205411/6	0.500453	0.666528	10.0	1514730.0	1.331851	Y
4	IC 200-205411/7	4.992563	6.064803	10.0	1607945.0	1.214768	Y
5	ICIS 200-205411/8	9.99806	12.074327	10.0	1633171.0	1.207667	Y
6	IC 200-205411/9	15.003557	18.334406	10.0	1598373.0	1.222004	Y
7	IC 200-205411/12	19.99612	22.9194	10.0	1686004.0	1.146192	Y
8	IC 200-205411/13	39.99224	41.954005	10.0	1686925.0	1.049054	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

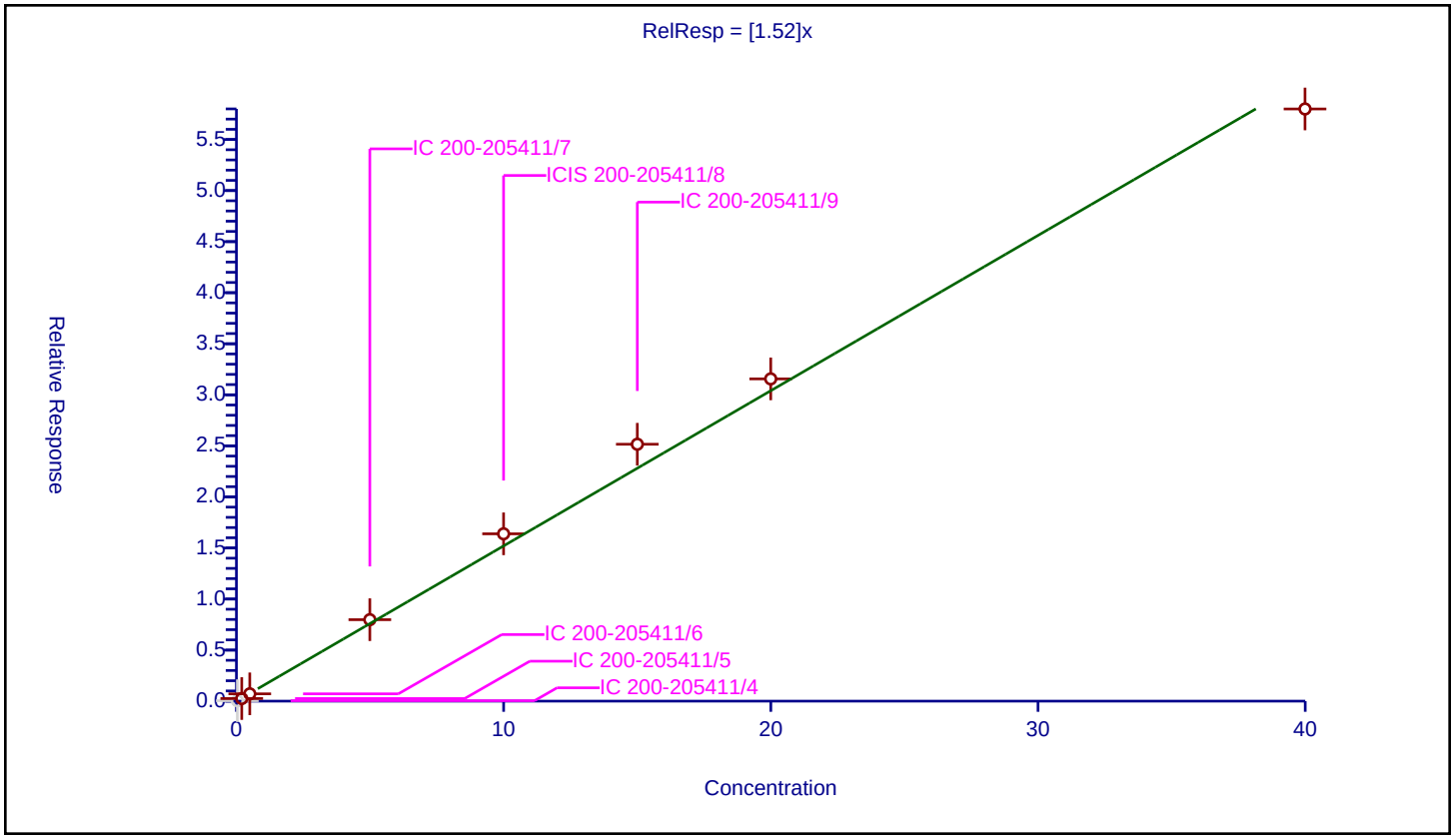
Curve Coefficients

Intercept:	0
Slope:	1.52

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.043241	10.0	1537206.0	1.232741	N
2	IC 200-205411/5	0.20044	0.253877	10.0	1564854.0	1.266599	Y
3	IC 200-205411/6	0.500453	0.71723	10.0	1514730.0	1.433163	Y
4	IC 200-205411/7	4.992563	7.976796	10.0	1607945.0	1.597736	Y
5	ICIS 200-205411/8	9.99806	16.388063	10.0	1633171.0	1.639124	Y
6	IC 200-205411/9	15.003557	25.15772	10.0	1598373.0	1.676784	Y
7	IC 200-205411/12	19.99612	31.560305	10.0	1686004.0	1.578321	Y
8	IC 200-205411/13	39.99224	57.992786	10.0	1686925.0	1.450101	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

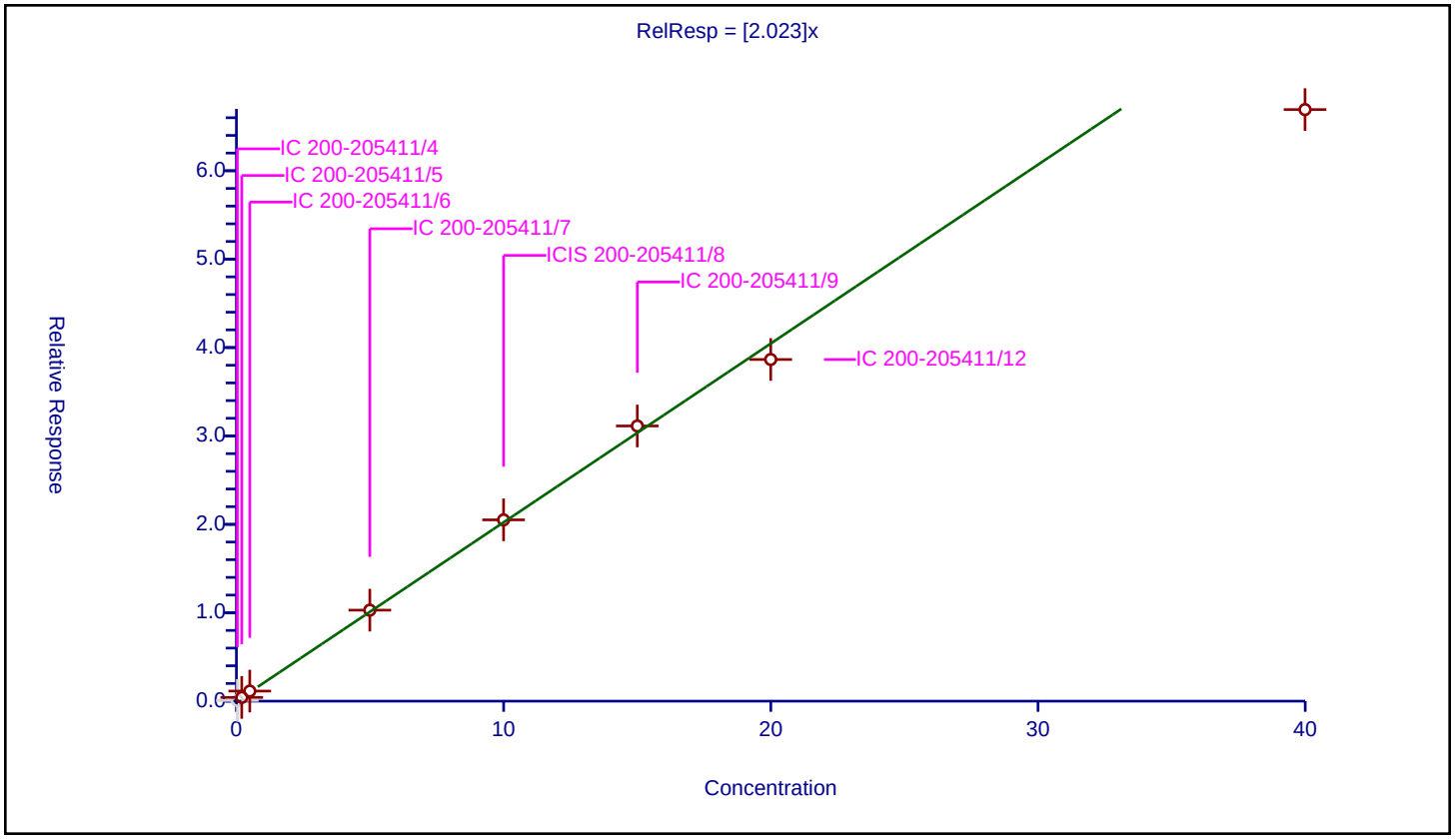
Curve Coefficients

Intercept:	0
Slope:	2.023

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.075462	10.0	1537206.0	2.151316	N
2	IC 200-205411/5	0.20044	0.418934	10.0	1564854.0	2.090074	Y
3	IC 200-205411/6	0.500453	1.139662	10.0	1514730.0	2.277262	Y
4	IC 200-205411/7	4.992563	10.293281	10.0	1607945.0	2.061723	Y
5	ICIS 200-205411/8	9.99806	20.508373	10.0	1633171.0	2.051235	Y
6	IC 200-205411/9	15.003557	31.129893	10.0	1598373.0	2.074834	Y
7	IC 200-205411/12	19.99612	38.651379	10.0	1686004.0	1.932944	Y
8	IC 200-205411/13	39.99224	66.921547	10.0	1686925.0	1.673363	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

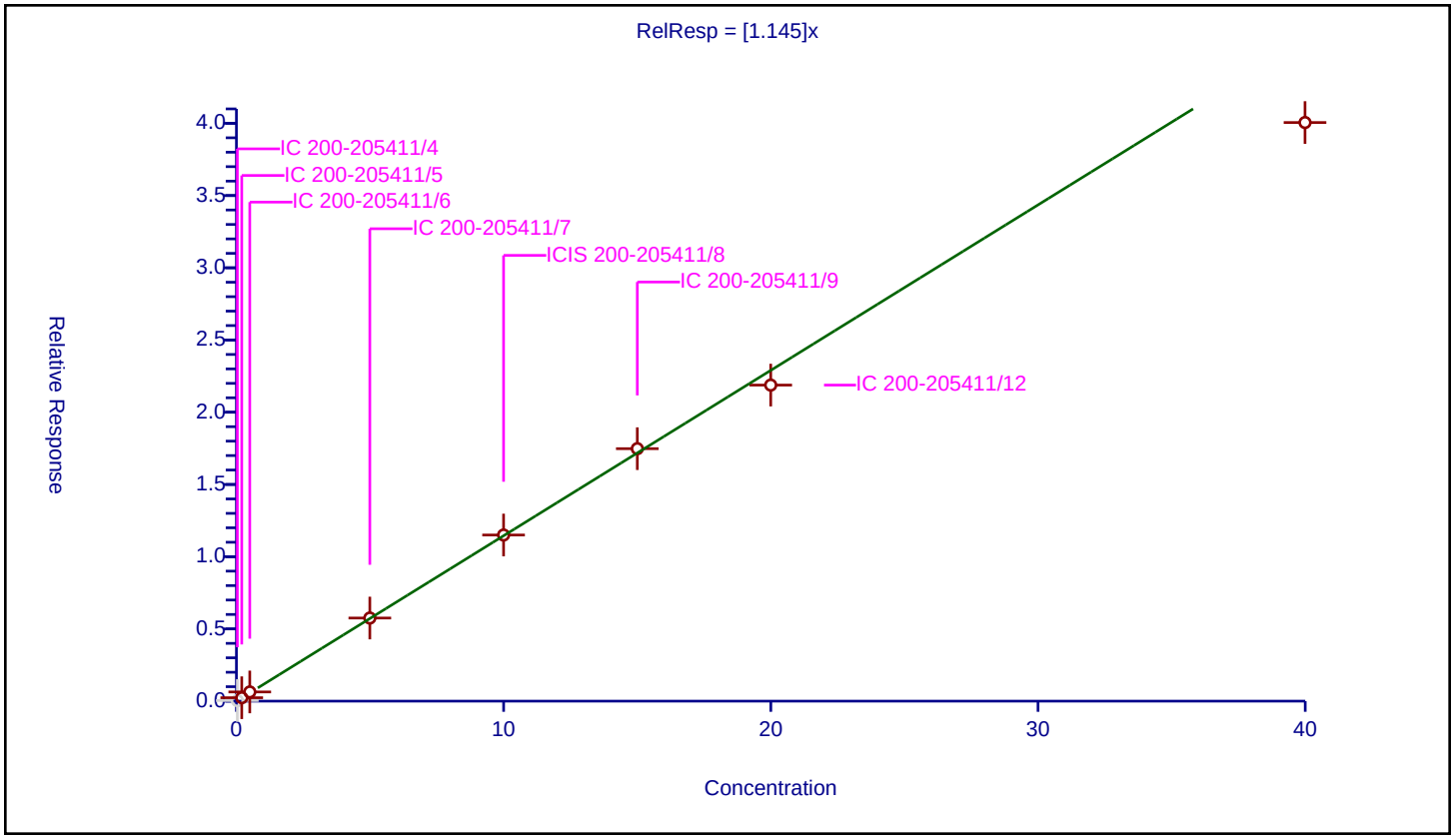
Curve Coefficients

Intercept:	0
Slope:	1.145

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.040548	10.0	1537206.0	1.155961	N
2	IC 200-205411/5	0.20044	0.236048	10.0	1564854.0	1.177649	Y
3	IC 200-205411/6	0.500453	0.637929	10.0	1514730.0	1.274704	Y
4	IC 200-205411/7	4.992563	5.754264	10.0	1607945.0	1.152567	Y
5	ICIS 200-205411/8	9.99806	11.500106	10.0	1633171.0	1.150234	Y
6	IC 200-205411/9	15.003557	17.478029	10.0	1598373.0	1.164926	Y
7	IC 200-205411/12	19.99612	21.879141	10.0	1686004.0	1.094169	Y
8	IC 200-205411/13	39.99224	40.055604	10.0	1686925.0	1.001584	Y



Calibration / Undecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

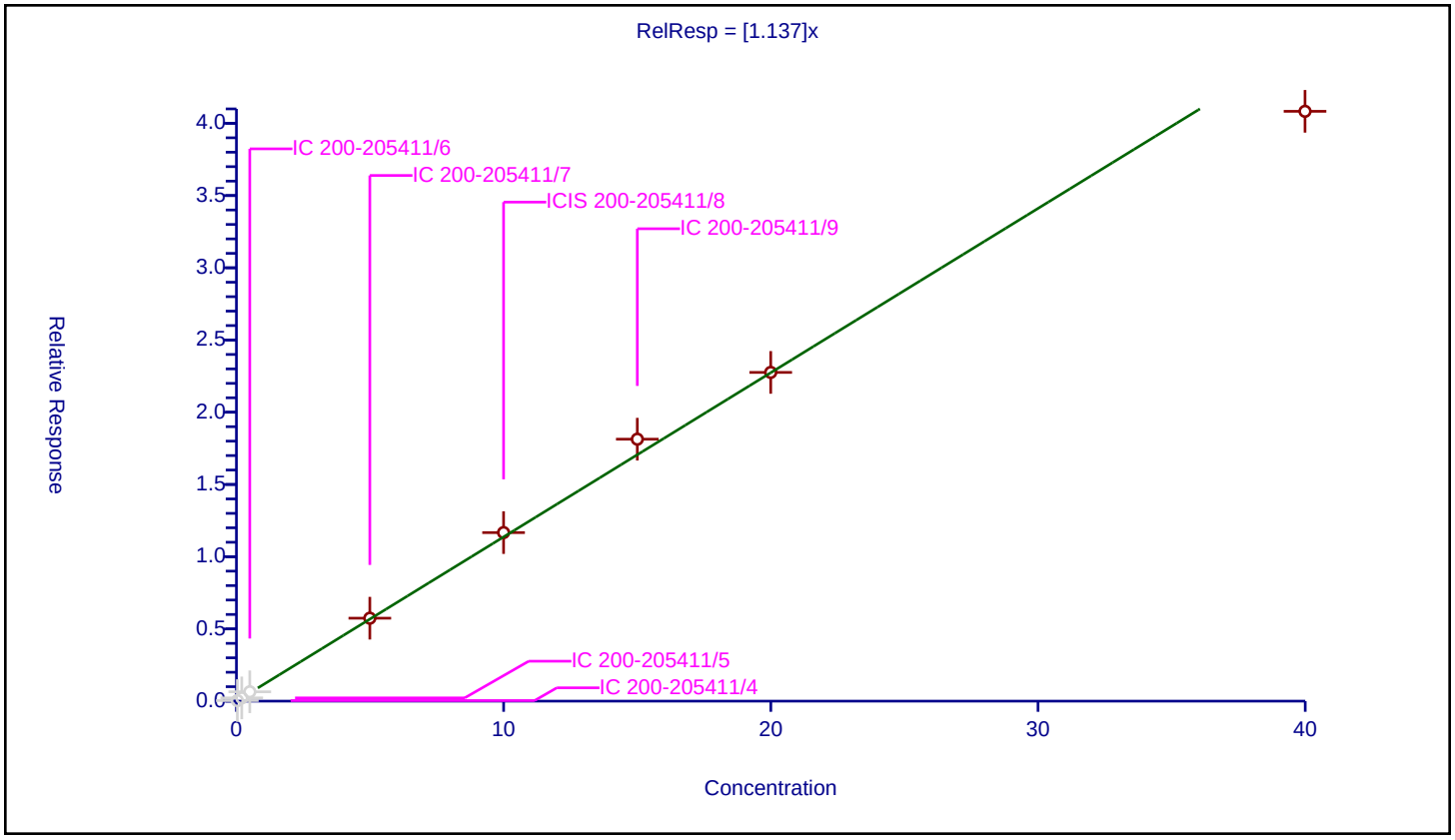
Curve Coefficients

Intercept:	0
Slope:	1.137

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.038401	10.0	1537206.0	1.09476	N
2	IC 200-205411/5	0.20044	0.224398	10.0	1564854.0	1.119529	N
3	IC 200-205411/6	0.500453	0.648267	10.0	1514730.0	1.295362	N
4	IC 200-205411/7	4.992563	5.742087	10.0	1607945.0	1.150128	Y
5	ICIS 200-205411/8	9.99806	11.668784	10.0	1633171.0	1.167105	Y
6	IC 200-205411/9	15.003557	18.134541	10.0	1598373.0	1.208683	Y
7	IC 200-205411/12	19.99612	22.757496	10.0	1686004.0	1.138096	Y
8	IC 200-205411/13	39.99224	40.831928	10.0	1686925.0	1.020996	Y



Calibration / Dodecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

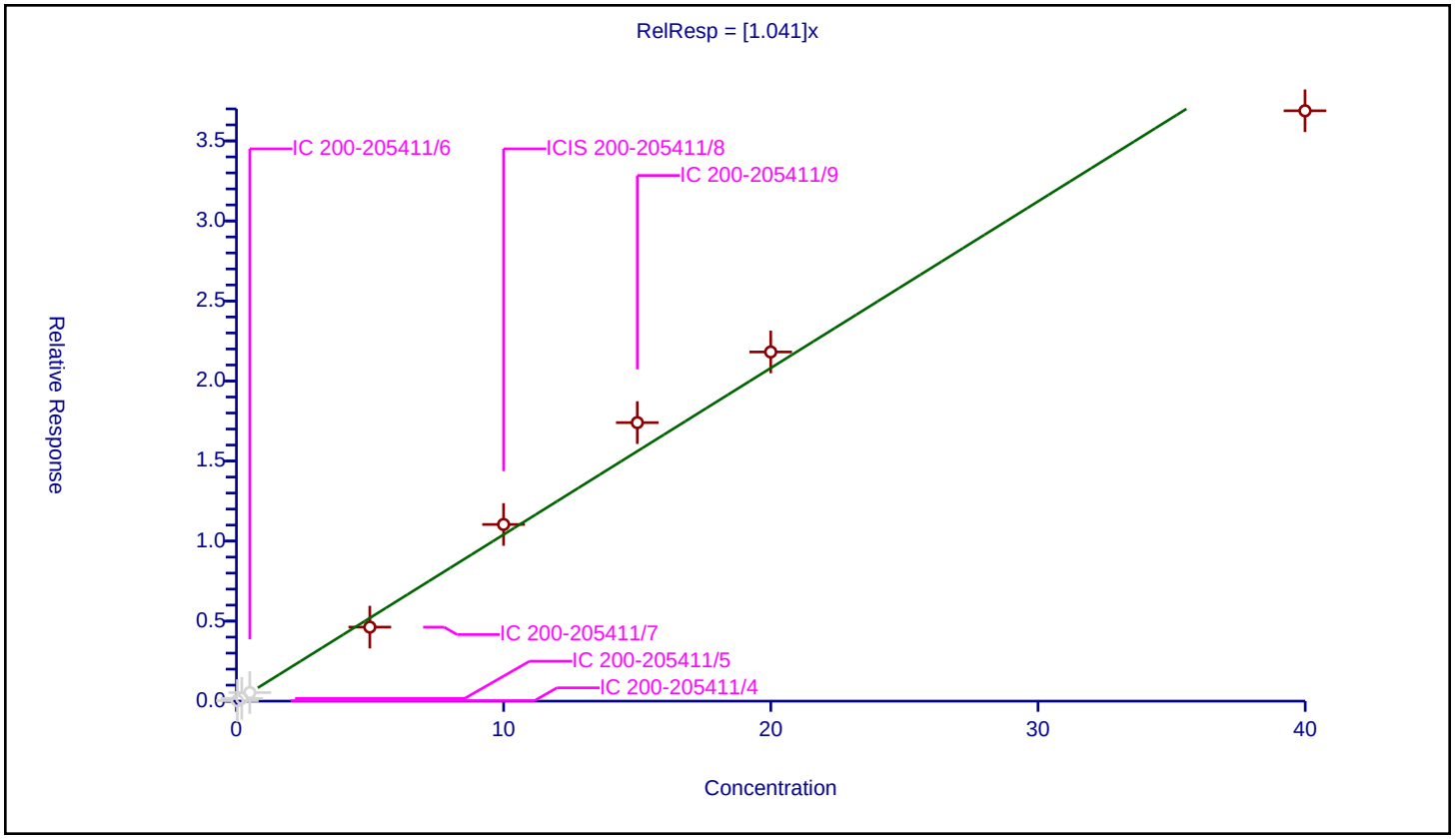
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.030783	10.0	1537206.0	0.877589	N
2	IC 200-205411/5	0.20044	0.170847	10.0	1564854.0	0.852359	N
3	IC 200-205411/6	0.500453	0.533758	10.0	1514730.0	1.066552	N
4	IC 200-205411/7	4.992563	4.625021	10.0	1607945.0	0.926382	Y
5	ICIS 200-205411/8	9.99806	11.037521	10.0	1633171.0	1.103966	Y
6	IC 200-205411/9	15.003557	17.400213	10.0	1598373.0	1.159739	Y
7	IC 200-205411/12	19.99612	21.814877	10.0	1686004.0	1.090956	Y
8	IC 200-205411/13	39.99224	36.881432	10.0	1686925.0	0.922215	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

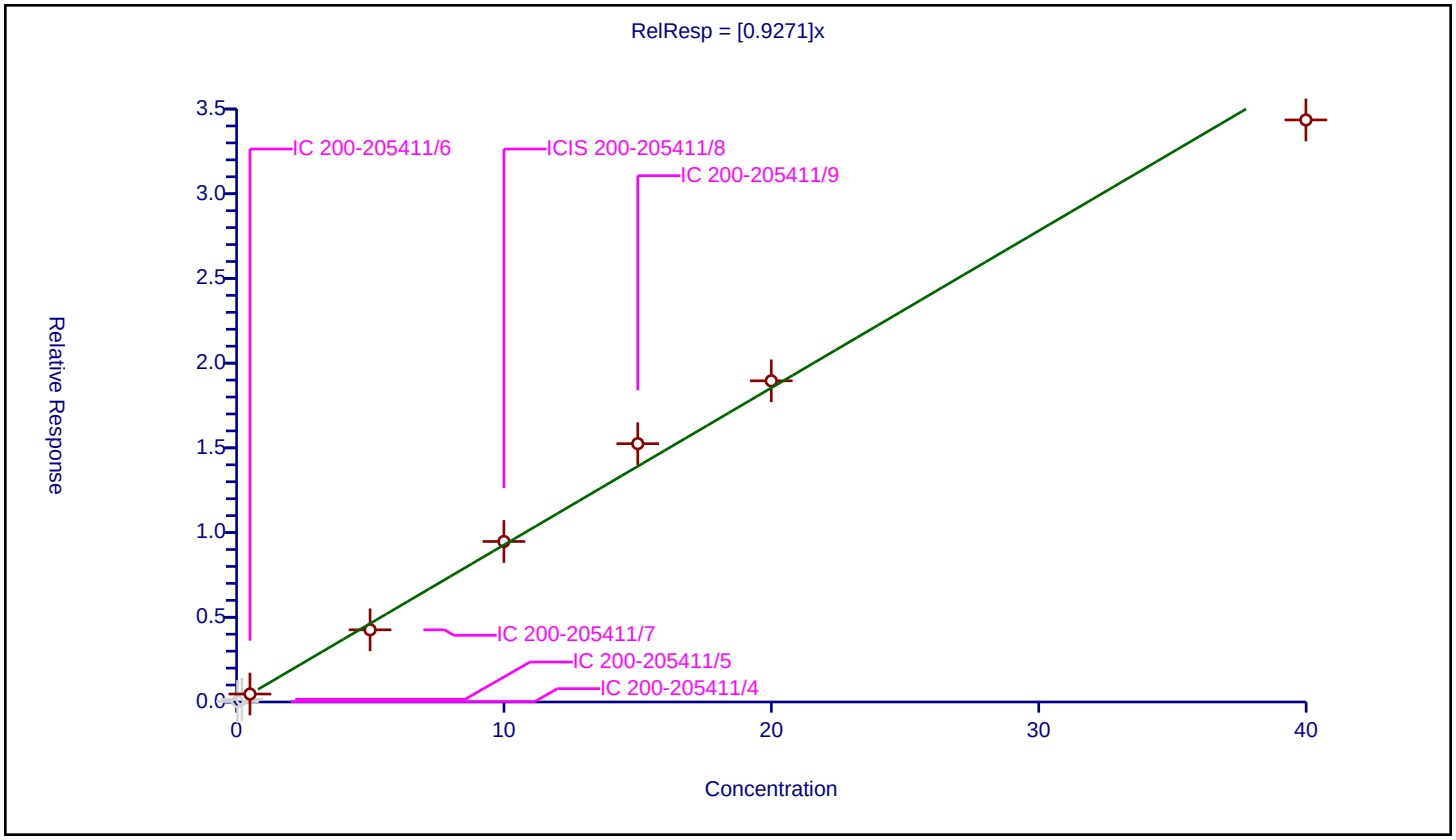
Curve Coefficients

Intercept:	0
Slope:	0.9271

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.027641	10.0	1537206.0	0.788012	N
2	IC 200-205411/5	0.20044	0.157887	10.0	1564854.0	0.787703	N
3	IC 200-205411/6	0.500453	0.469556	10.0	1514730.0	0.938262	Y
4	IC 200-205411/7	4.992563	4.260587	10.0	1607945.0	0.853387	Y
5	ICIS 200-205411/8	9.99806	9.474899	10.0	1633171.0	0.947674	Y
6	IC 200-205411/9	15.003557	15.247999	10.0	1598373.0	1.016292	Y
7	IC 200-205411/12	19.99612	18.955696	10.0	1686004.0	0.947969	Y
8	IC 200-205411/13	39.99224	34.35627	10.0	1686925.0	0.859073	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

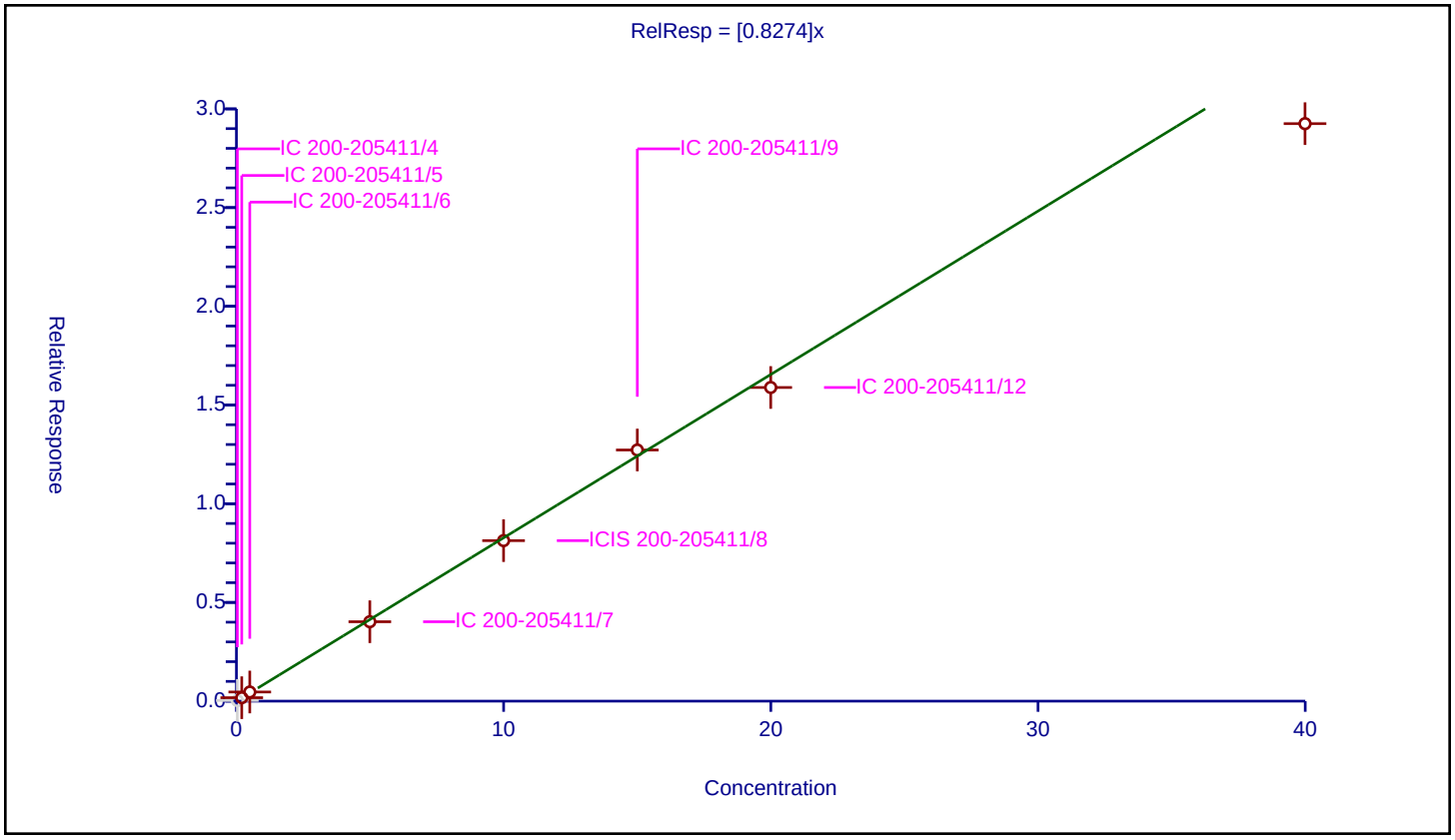
Curve Coefficients

Intercept:	0
Slope:	0.8274

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.033392	10.0	1537206.0	0.951957	N
2	IC 200-205411/5	0.20044	0.175135	10.0	1564854.0	0.873752	Y
3	IC 200-205411/6	0.500453	0.463145	10.0	1514730.0	0.925453	Y
4	IC 200-205411/7	4.992563	4.022097	10.0	1607945.0	0.805618	Y
5	ICIS 200-205411/8	9.99806	8.130477	10.0	1633171.0	0.813206	Y
6	IC 200-205411/9	15.003557	12.721786	10.0	1598373.0	0.847918	Y
7	IC 200-205411/12	19.99612	15.8874	10.0	1686004.0	0.794524	Y
8	IC 200-205411/13	39.99224	29.253138	10.0	1686925.0	0.73147	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

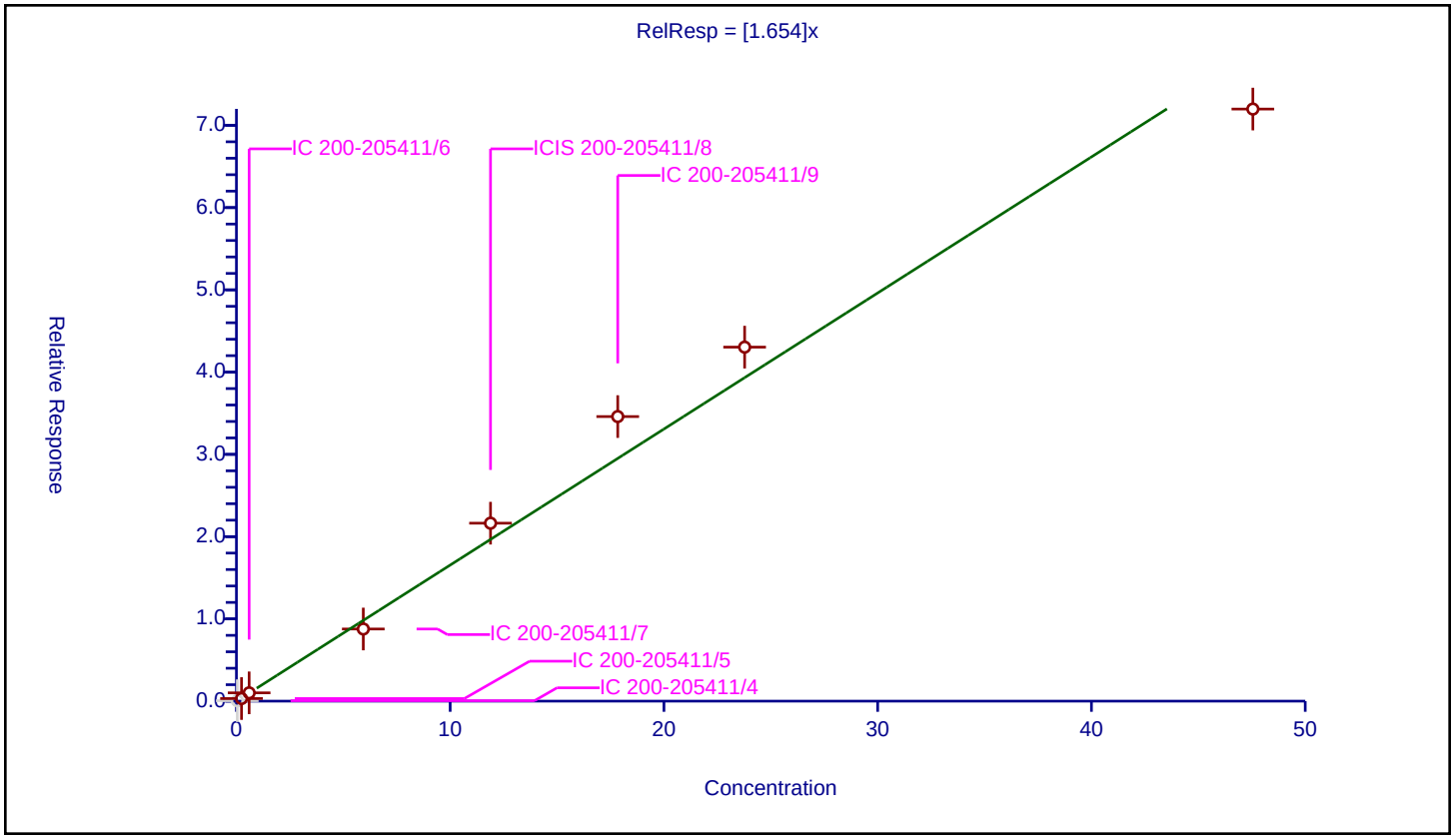
Curve Coefficients

Intercept:	0
Slope:	1.654

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.041706	0.052433	10.0	1537206.0	1.257186	N
2	IC 200-205411/5	0.238323	0.314751	10.0	1564854.0	1.320694	Y
3	IC 200-205411/6	0.595038	1.009566	10.0	1514730.0	1.696641	Y
4	IC 200-205411/7	5.936157	8.771289	10.0	1607945.0	1.477604	Y
5	ICIS 200-205411/8	11.887693	21.634887	10.0	1633171.0	1.81994	Y
6	IC 200-205411/9	17.839229	34.59705	10.0	1598373.0	1.93938	Y
7	IC 200-205411/12	23.775386	43.035272	10.0	1686004.0	1.810077	Y
8	IC 200-205411/13	47.550773	71.980645	10.0	1686925.0	1.513764	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

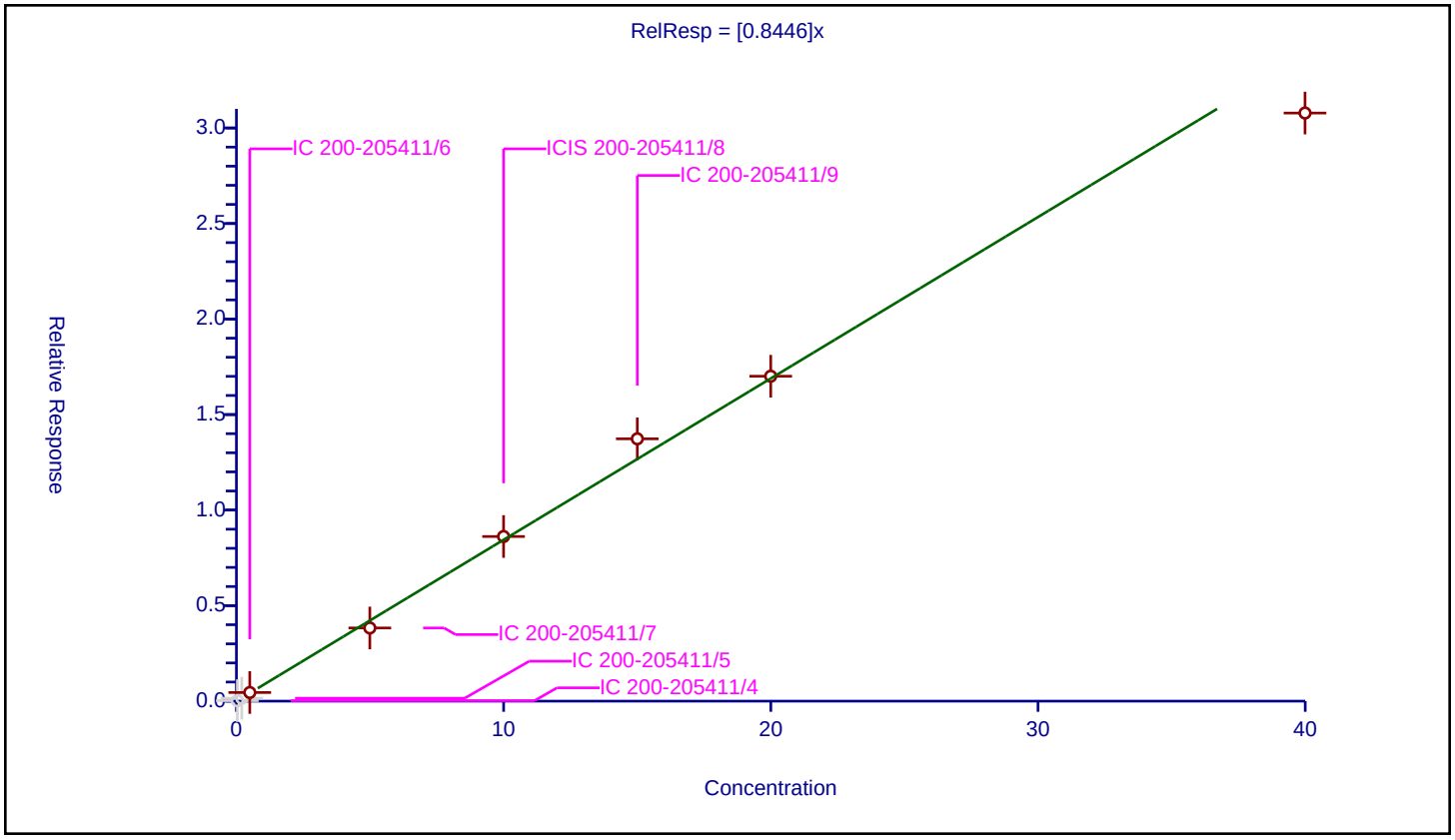
Curve Coefficients

Intercept:	0
Slope:	0.8446

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-205411/4	0.035077	0.0242	10.0	1537206.0	0.689905	N
2	IC 200-205411/5	0.20044	0.152826	10.0	1564854.0	0.762453	N
3	IC 200-205411/6	0.500453	0.452041	10.0	1514730.0	0.903264	Y
4	IC 200-205411/7	4.992563	3.82987	10.0	1607945.0	0.767115	Y
5	ICIS 200-205411/8	9.99806	8.617689	10.0	1633171.0	0.861936	Y
6	IC 200-205411/9	15.003557	13.731169	10.0	1598373.0	0.915194	Y
7	IC 200-205411/12	19.99612	17.00773	10.0	1686004.0	0.850551	Y
8	IC 200-205411/13	39.99224	30.782673	10.0	1686925.0	0.769716	Y



FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207901/4	61759-04.d
Level 2	IC 200-207901/5	61759-05.d
Level 3	IC 200-207901/7	61759-07.d
Level 4	IC 200-207901/9	61759-09.d
Level 5	ICIS 200-207901/10	61759-10.d
Level 6	IC 200-207901/11	61759-11.d
Level 7	IC 200-207901/14	61759-14.d
Level 8	IC 200-207901/15	61759-15.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.7981	+++++ 0.7719	+++++ 0.7718	0.8266	0.8300	Ave		0.7997				3.5		30.0			
Dichlorodifluoromethane	+++++ 3.0861	+++++ 2.9741	3.1566 2.7135	3.1747	3.1962	Ave		3.0502				6.0		30.0			
Chlorodifluoromethane	+++++ 1.6871	+++++ 1.6477	1.7857 1.6317	1.7591	1.7679	Ave		1.7132				3.9		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.1574	3.9070 3.0752	3.1601 3.0858	3.2622	3.2800	Ave		3.2754				8.8		30.0			
Chloromethane	+++++ 0.9048	+++++ 0.8750	0.9493 0.8795	0.9462	0.9501	Ave		0.9175				3.9		30.0			
Vinyl chloride	1.4532 1.2272	1.5493 1.2003	1.2396 1.1900	1.2769	1.2992	Ave		1.3045				9.9		30.0			
n-Butane	+++++ 1.7314	+++++ 1.6902	1.7672 1.6791	1.8149	1.8387	Ave		1.7536				3.7		30.0			
1,3-Butadiene	1.2902 0.9177	1.1685 0.9034	0.9533 0.9007	0.9578	0.9722	Ave		1.0080				14.2		30.0			
Bromomethane	+++++ 1.1382	1.3979 1.1004	1.1095 1.1067	1.1776	1.1709	Ave		1.1716				8.9		30.0			
Chloroethane	+++++ 0.6044	+++++ 0.5855	0.5766 0.5867	0.6173	0.6261	Ave		0.5994				3.3		30.0			
Isopentane	+++++ 1.2098	1.5585 1.1649	1.2438 1.1744	1.2377	1.2506	Ave		1.2628				10.7		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.1768	1.3623 1.1457	1.1229 1.1606	1.1810	1.2079	Ave		1.1939				6.6		30.0			
Trichlorofluoromethane	+++++ 3.1015	3.7938 3.0313	3.1231 3.0411	3.1930	3.2107	Ave		3.2135				8.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	+++++ 1.8558	+++++ 1.8032	1.8866 1.8118	1.8830	1.9203	Ave		1.8601				2.5		30.0			
Ethanol	+++++ 0.4221	+++++ 0.4256	0.3988 0.4402	0.4179	0.4615	Ave		0.4277				5.0		30.0			
Ethyl ether	+++++ 0.7958	0.8700 0.7801	0.7300 0.7916	0.7959	0.8249	Ave		0.7983				5.3		30.0			
Acrolein	+++++ 0.4041	+++++ 0.3906	+++++ 0.4045	0.3809	0.4067	Ave		0.3974				2.8		30.0			
1,1-Dichloroethene	1.6419 1.2767	1.4988 1.2541	1.2647 1.2651	1.3025	1.3247	Ave		1.3536				10.4		30.0			
1,1,2-Trichlorotrifluoroethane	+++++ 2.7497	3.2955 2.6876	2.6998 2.6958	2.8033	2.8363	Ave		2.8240				7.6		30.0			
Acetone	+++++ 1.6960	+++++ 1.6578	+++++ 1.6570	1.6526	1.7675	Ave		1.6862				2.9		30.0			
Isopropyl alcohol	+++++ 1.6368	+++++ 1.6128	+++++ 1.6485	1.6597	1.6830	Ave		1.6482				1.6		30.0			
Carbon disulfide	+++++ 3.3434	+++++ 3.2962	3.2743 3.2994	3.2812	3.4351	Ave		3.3216				1.8		30.0			
Acetonitrile	+++++ 0.7347	+++++ 0.7312	+++++ 0.7559	0.6933	0.7502	Ave		0.7331				3.3		30.0			
3-Chloropropene	+++++ 1.3878	2.1158 1.3707	1.5498 1.3738	1.4154	1.4457	Ave		1.5227				17.6		30.0			
Methylene Chloride	+++++ 1.2639	+++++ 1.2378	1.4530 1.2305	1.3065	1.3167	Ave		1.3014				6.3		30.0			
tert-Butyl alcohol	+++++ 2.3472	+++++ 2.3366	+++++ 2.3158	2.3639	2.3978	Ave		2.3523				1.3		30.0			
Acrylonitrile	+++++ 0.7562	+++++ 0.7558	0.6940 0.7770	0.7181	0.7755	Ave		0.7461				4.5		30.0			
trans-1,2-Dichloroethene	1.8481 1.6614	1.8278 1.6458	1.4580 1.6679	1.6458	1.7157	Ave		1.6838				7.2		30.0			
Methyl tert-butyl ether	+++++ 3.6235	4.1387 3.5666	3.2712 3.6371	3.5725	3.7217	Ave		3.6473				7.1		30.0			
n-Hexane	+++++ 1.8640	2.1883 1.8224	1.8124 1.8461	1.8766	1.9447	Ave		1.9078				6.9		30.0			
1,1-Dichloroethane	2.4684 2.2063	2.5772 2.1505	2.1379 2.1698	2.2476	2.2747	Ave		2.2790				7.0		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Vinyl acetate	+++++ 1.5224	+++++ 1.5832	+++++ 1.9917	0.7273	1.3345	Ave		1.4318				32.2	*	30.0			
Methyl Ethyl Ketone (2-Butanone)	+++++ 0.6544	+++++ 0.6405	0.5580 0.6584	0.6645	0.6653	Ave		0.6402				6.4		30.0			
cis-1,2-Dichloroethene	1.7938 1.4449	1.7018 1.4221	1.3775 1.4313	1.4587	1.4867	Ave		1.5146				9.9		30.0			
Ethyl acetate	+++++ 0.1265	+++++ 0.1239	+++++ 0.1292	0.1203	0.1294	Ave		0.1259				3.0		30.0			
Tetrahydrofuran	+++++ 0.2455	+++++ 0.2398	+++++ 0.2485	0.2477	0.2540	Ave		0.2471				2.1		30.0			
Chloroform	+++++ 2.6478	3.2033 2.5960	2.5410 2.5966	2.7013	2.7595	Ave		2.7208				8.3		30.0			
1,1,1-Trichloroethane	+++++ 0.5338	0.6302 0.5230	0.4996 0.5416	0.5355	0.5546	Ave		0.5455				7.5		30.0			
Cyclohexane	+++++ 0.3623	0.4228 0.3537	0.3380 0.3665	0.3560	0.3737	Ave		0.3676				7.3		30.0			
Carbon tetrachloride	0.5477 0.5656	0.5933 0.5552	0.4967 0.5772	0.5522	0.5826	Ave		0.5588				5.3		30.0			
Benzene	+++++ 0.7825	0.9394 0.7677	0.7478 0.7871	0.7846	0.8073	Ave		0.8023				7.9		30.0			
1,2-Dichloroethane	+++++ 0.3358	0.3687 0.3255	0.3074 0.3340	0.3326	0.3418	Ave		0.3351				5.5		30.0			
2,2,4-Trimethylpentane	+++++ 1.1732	1.3203 1.1495	1.0710 1.1835	1.1622	1.2121	Ave		1.1817				6.4		30.0			
n-Heptane	+++++ 0.4065	0.4700 0.3988	0.3731 0.4086	0.4044	0.4204	Ave		0.4117				7.2		30.0			
n-Butanol	+++++ 0.1606	+++++ 0.1607	+++++ 0.1669	0.1524	0.1606	Ave		0.1602				3.2		30.0			
Trichloroethene	0.3962 0.3724	0.4070 0.3666	0.3341 0.3705	0.3718	0.3880	Ave		0.3758				5.9		30.0			
1,2-Dichloropropane	+++++ 0.2746	0.3153 0.2708	0.2524 0.2810	0.2748	0.2841	Ave		0.2790				6.8		30.0			
Methyl methacrylate	+++++ 0.2839	+++++ 0.2789	0.2180 0.3015	0.2693	0.2845	Ave		0.2727				10.5		30.0			
1,4-Dioxane	+++++ 0.1703	0.2124 0.1669	0.1516 0.1756	0.1995	0.1750	Ave		0.1788				11.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	+++++ 0.3907	0.4649 0.3862	0.3566 0.3983	0.3899	0.4010	Ave		0.3982				8.2		30.0			
Bromodichloromethane	+++++ 0.5610	0.5937 0.5558	0.4857 0.5723	0.5465	0.5780	Ave		0.5562				6.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.4918	0.4731 0.4867	0.3980 0.5088	0.4675	0.5028	Ave		0.4755				7.8		30.0			
4-Methyl-2-pentanone (Methyl isobutyl ketone)	+++++ 0.5276	+++++ 0.5201	0.4169 0.5421	0.5506	0.5381	Ave		0.5159				9.6		30.0			
Toluene	+++++ 0.6713	0.7711 0.6620	0.6185 0.6765	0.6648	0.6899	Ave		0.6792				6.8		30.0			
n-Octane	+++++ 0.5737	0.6226 0.5675	0.5069 0.5851	0.5682	0.5925	Ave		0.5738				6.1		30.0			
trans-1,3-Dichloropropene	+++++ 0.3927	0.3463 0.3909	0.2930 0.4138	0.3652	0.3990	Ave		0.3716				11.1		30.0			
1,1,2-Trichloroethane	+++++ 0.3061	0.3430 0.3005	0.2801 0.3087	0.3054	0.3155	Ave		0.3085				6.1		30.0			
Tetrachloroethene	0.7199 0.6318	0.7433 0.6197	0.5971 0.6325	0.6286	0.6485	Ave		0.6527				7.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5686	+++++ 0.5619	0.4261 0.5834	0.6471	0.5759	Ave		0.5605				13.0		30.0			
Dibromochloromethane	+++++ 0.6958	0.6160 0.6911	0.5532 0.7189	0.6515	0.7101	Ave		0.6623				9.1		30.0			
1,2-Dibromoethane	+++++ 0.5966	0.6317 0.5880	0.5078 0.6080	0.5792	0.6086	Ave		0.5885				6.7		30.0			
Chlorobenzene	+++++ 0.9421	1.1155 0.9277	0.8803 0.9494	0.9296	0.9709	Ave		0.9594				7.7		30.0			
Ethylbenzene	+++++ 1.5012	1.6754 1.4801	1.3592 1.5073	1.4731	1.5458	Ave		1.5060				6.3		30.0			
m,p-Xylene	+++++ 0.6152	0.6664 0.6081	0.5431 0.6228	0.5977	0.6303	Ave		0.6119				6.1		30.0			
n-Nonane	+++++ 0.6568	0.6633 0.6481	0.5535 0.6791	0.6293	0.6692	Ave		0.6428				6.6		30.0			
o-Xylene	+++++ 0.5858	0.6267 0.5807	0.5126 0.5944	0.5713	0.5977	Ave		0.5813				6.0		30.0			
Styrene	+++++ 0.9777	0.9075 0.9693	0.7553 0.9936	0.9142	0.9906	Ave		0.9297				9.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bromoform	+++++ 0.7199	0.4880 0.7285	0.5078 0.7617	0.6046	0.7358	Ave		0.6495				17.7		30.0			
Cumene	+++++ 1.7627	1.8458 1.7493	1.5056 1.7847	1.7160	1.8114	Ave		1.7394				6.4		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7720	0.8887 0.7647	0.7353 0.7939	0.7577	0.7896	Ave		0.7860				6.3		30.0			
1,2,3-Trichloropropane	+++++ 0.6357	+++++ 0.6268	0.5949 0.6407	0.6237	0.6583	Ave		0.6300				3.4		30.0			
n-Propylbenzene	+++++ 2.0340	2.1877 2.0129	1.7437 2.0367	1.9658	2.0998	Ave		2.0115				6.8		30.0			
2-Chlorotoluene	+++++ 1.4003	1.5661 1.3857	1.2453 1.4270	1.3679	1.4393	Ave		1.4045				6.8		30.0			
4-Ethyltoluene	+++++ 1.7454	1.7779 1.7294	1.4336 1.7595	1.6592	1.7878	Ave		1.6990				7.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.4899	1.5836 1.4714	1.2519 1.4977	1.4195	1.5152	Ave		1.4613				7.2		30.0			
n-Decane	+++++ 0.8515	+++++ 0.8489	0.5848 0.8899	0.7736	0.8513	Ave		0.8000				14.0		30.0			
Alpha Methyl Styrene	+++++ 0.8121	0.7147 0.8052	0.5889 0.8283	0.7388	0.8216	Ave		0.7585				11.4		30.0			
tert-Butylbenzene	+++++ 1.4915	1.5722 1.4852	1.2725 1.4920	1.4223	1.5267	Ave		1.4660				6.6		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4924	1.5478 1.4679	1.2313 1.4905	1.4097	1.5120	Ave		1.4502				7.3		30.0			
sec-Butylbenzene	+++++ 2.1993	2.3005 2.1766	1.8245 2.1802	2.0958	2.2373	Ave		2.1449				7.2		30.0			
1,3-Dichlorobenzene	+++++ 1.0462	1.0923 1.0268	0.8728 1.0420	0.9908	1.0736	Ave		1.0206				7.1		30.0			
4-Isopropyltoluene	+++++ 1.9767	1.9279 1.9633	1.5569 1.9639	1.8540	1.9989	Ave		1.8917				8.2		30.0			
1,4-Dichlorobenzene	+++++ 1.0167	1.0362 0.9996	0.8437 1.0270	0.9515	1.0407	Ave		0.9879				7.1		30.0			
Benzyl chloride	+++++ 1.2693	1.0165 1.2598	0.8476 1.3100	1.1381	1.2793	Ave		1.1601				14.8		30.0			
n-Butylbenzene	+++++ 1.7115	1.6857 1.6926	1.3565 1.7010	1.5942	1.7361	Ave		1.6397				8.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.0190	1.0997 0.9903	0.8711 0.9977	0.9756	1.0459	Ave		0.9999				7.0		30.0			
n-Undecane	+++++ 0.9212	+++++ 0.9229	+++++ 0.9579	0.7898	0.9151	Ave		0.9014				7.2		30.0			
n-Dodecane	+++++ 0.7848	+++++ 0.7795	+++++ 0.8185	0.5958	0.7860	Ave		0.7529				11.8		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7190	+++++ 0.6847	0.5533 0.7461	0.5836	0.7073	Ave		0.6657				11.8		30.0			
Hexachlorobutadiene	+++++ 0.7836	0.8935 0.7847	0.7043 0.8170	0.7658	0.7882	Ave		0.7910				7.2		30.0			
Naphthalene	+++++ 1.5220	1.3989 1.4062	1.1015 1.5298	1.1076	1.4941	Ave		1.3657				13.6		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6588	+++++ 0.6252	0.5400 0.6897	0.5744	0.6425	Ave		0.6217				8.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-75119-1 | Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 | Calibration End Date: 08/23/2024 03:28 | Calibration ID: 53375

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207901/4	61759-04.d
Level 2	IC 200-207901/5	61759-05.d
Level 3	IC 200-207901/7	61759-07.d
Level 4	IC 200-207901/9	61759-09.d
Level 5	ICIS 200-207901/10	61759-10.d
Level 6	IC 200-207901/11	61759-11.d
Level 7	IC 200-207901/14	61759-14.d
Level 8	IC 200-207901/15	61759-15.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 229320	+++++ 295814	+++++ 612534	62469	154715	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 886702	+++++ 1139762	24138 2153427	239933	595767	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Chlorodifluoromethane	BCM	Ave	+++++ 484746	+++++ 631429	13655 1294944	132942	329527	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 907179	11532 1178509	24165 2448912	246542	611391	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloromethane	BCM	Ave	+++++ 259983	+++++ 335334	7259 697965	71512	177104	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	909 352597	4573 459982	9479 944377	96504	242163	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butane	BCM	Ave	+++++ 497484	+++++ 647720	13514 1332504	137165	342740	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	807 263686	3449 346202	7290 714786	72383	181208	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromomethane	BCM	Ave	+++++ 327043	4126 421724	8484 878308	89001	218247	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloroethane	BCM	Ave	+++++ 173651	+++++ 224363	4409 465584	46651	116698	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Isopentane	BCM	Ave	+++++ 347605	4600 446413	9511 932043	93539	233111	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 338117	4021 439065	8587 921076	89258	225143	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 891118	11198 1161694	23882 2413412	241316	598480	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Pentane	BCM	Ave	+++++ 533220	+++++ 691021	14427 1437886	142307	357933	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Ethanol	BCM	Ave	+++++ 162057	+++++ 326274	30533 698845	63213	129098	+++++ 20.0	+++++ 40.0	4.26 80.0	8.49	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 228646	2568 298959	5582 628236	60154	153766	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acrolein	BCM	Ave	+++++ 135957	+++++ 175307	+++++ 375866	33713	88775	+++++ 17.6	+++++ 23.4	+++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	1027 366816	4424 480611	9671 1004001	98437	246927	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2-Trichlorotrifluoroethane	BCM	Ave	+++++ 790055	9727 1029981	20645 2139364	211858	528677	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acetone	BCM	Ave	+++++ 487290	+++++ 635323	+++++ 1314959	124895	329451	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	+++++ 545069	+++++ 716347	+++++ 1516237	145380	363586	+++++ 17.4	+++++ 23.2	+++++ 46.4	4.92	11.6
Carbon disulfide	BCM	Ave	+++++ 960642	+++++ 1263189	25038 2618376	247982	640292	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Acetonitrile	BCM	Ave	+++++ 211083	+++++ 280220	+++++ 599898	52400	139835	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	+++++ 398755	6245 525293	11851 1090272	106971	269485	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	+++++ 363155	+++++ 474380	11111 976495	98737	245440	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 674415	+++++ 895466	+++++ 1837852	178655	446944	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	+++++ 217286	+++++ 289642	5307 616658	54271	144553	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	1156 477354	5395 630720	11149 1323673	124384	319800	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1041118	12216 1366808	25015 2886387	269996	693715	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Hexane	BCM	Ave	+++++ 535575	6459 698410	13859 1465095	141822	362482	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	1544 633908	7607 824149	16348 1721947	169861	424010	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	+++++ 498211	+++++ 691077	+++++ 1800301	62604	283334	+++++ 17.1	+++++ 22.8	+++++ 45.6	4.83	11.4
Methyl Ethyl Ketone (2-Butanone)	BCM	Ave	+++++ 188032	+++++ 245464	4267 522544	50220	124020	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	1122 415161	5023 544982	10534 1135912	110244	277113	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	+++++ 36353	+++++ 47494	+++++ 102540	9091	24114	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	99144	246839	+++++	+++++	+++++	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			368326	479666	1003991			15.0	20.0	40.0		
Chloroform	BCM	Ave	+++++ 760769	9455 994849	19431 2060705	204149	514368	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 800778	9848 1046286	20309 2188395	214351	539030	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	+++++ 543541	6607 707610	13739 1480850	142514	363189	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	1808 848524	9271 1110689	20190 2332572	221051	566248	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzene	DFBZ	Ave	+++++ 1173953	14680 1535707	30399 3180371	314040	784584	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 503730	5761 651158	12496 1349730	133145	332205	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 1760002	20632 2299608	43534 4782384	465198	1178002	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	+++++ 609891	7344 797755	15165 1651155	161885	408607	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	+++++ 240874	+++++ 321484	+++++ 674480	60989	156080	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	1308 558730	6360 733430	13581 1497124	148829	377112	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 412016	4927 541665	10258 1135407	110013	276092	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 425977	+++++ 557994	8862 1218222	107794	276485	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 255454	3319 333853	6163 709518	79869	170048	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	+++++ 586178	7265 772509	14495 1609592	156080	389752	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 841684	9278 1111971	19744 2312525	218752	561742	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 737830	7393 973539	16178 2056022	187149	488666	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Methyl-2-pentanone (Methyl isobutyl ketone)	DFBZ	Ave	+++++ 791579	+++++ 1040521	16947 2190540	220400	523004	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Toluene	CBNZd5	Ave	+++++ 895929	10562 1182920	22018 2457967	235221	596732	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Octane	DFBZ	Ave	+++++ 860648	9729 1135351	20605 2364474	227457	575894	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-75119-1 | Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 | Calibration End Date: 08/23/2024 03:28 | Calibration ID: 53375

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 589199	5412 781986	11912 1672036	146163	387785	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 408445	4698 537032	9972 1121420	108068	272888	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Tetrachloroethene	CBNZd5	Ave	2002 843140	10181 1107466	21255 2297932	222429	560922	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd5	Ave	+++++ 758777	+++++ 1004201	15168 2119605	228950	498186	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Dibromochloromethane	CBNZd5	Ave	+++++ 928510	8437 1234977	19692 2611805	230517	614218	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dibromoethane	CBNZd5	Ave	+++++ 796184	8652 1050692	18079 2208847	204935	526410	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chlorobenzene	CBNZd5	Ave	+++++ 1257286	15280 1657772	31338 3449418	328920	839781	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethylbenzene	CBNZd5	Ave	+++++ 2003387	22949 2644940	48388 5476247	521232	1337086	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
m,p-Xylene	CBNZd5	Ave	+++++ 1641954	18256 2173399	38669 4525497	422986	1090319	+++++ 30.0	0.341 40.0	0.851 80.0	8.49	20.0
n-Nonane	CBNZd5	Ave	+++++ 876584	9085 1158161	19705 2467434	222649	578847	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
o-Xylene	CBNZd5	Ave	+++++ 781741	8584 1037736	18250 2159480	202130	517002	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Styrene	CBNZd5	Ave	+++++ 1304764	12430 1732131	26888 3610080	323467	856821	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoform	CBNZd5	Ave	+++++ 960791	6684 1301806	18077 2767616	213930	636480	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cumene	CBNZd5	Ave	+++++ 2352333	25282 3126062	53600 6484407	607184	1566854	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2,2-Tetrachloroethane	CBNZd5	Ave	+++++	12173	26175	268105	683005	+++++	0.170	0.425	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1030225	1366428	2884531			15.0	20.0	40.0		
1,2,3-Trichloropropane	CBNZd5	Ave	+++++	+++++	21177	220676	569418	+++++	+++++	0.425	4.24	10.00
			848395	1120070	2327865			15.0	20.0	40.0		
n-Propylbenzene	CBNZd5	Ave	+++++	29966	62075	695550	1816304	+++++	0.170	0.425	4.24	10.00
			2714510	3597029	7399913			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd5	Ave	+++++	21451	44333	484020	1244970	+++++	0.170	0.425	4.24	10.00
			1868699	2476159	5184558			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd5	Ave	+++++	24353	51036	587081	1546382	+++++	0.170	0.425	4.24	10.00
			2329299	3090462	6392742			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd5	Ave	+++++	21691	44566	502274	1310624	+++++	0.170	0.425	4.24	10.00
			1988349	2629475	5441662			15.0	20.0	40.0		
n-Decane	CBNZd5	Ave	+++++	+++++	20817	273712	736323	+++++	+++++	0.425	4.24	10.00
			1136310	1517023	3233356			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd5	Ave	+++++	9790	20966	261403	710642	+++++	0.170	0.425	4.24	10.00
			1083820	1438888	3009557			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd5	Ave	+++++	21535	45300	503241	1320554	+++++	0.170	0.425	4.24	10.00
			1990511	2653980	5420683			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd5	Ave	+++++	21200	43834	498806	1307821	+++++	0.170	0.425	4.24	10.00
			1991728	2623137	5415317			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd5	Ave	+++++	31510	64952	741549	1935221	+++++	0.170	0.425	4.24	10.00
			2935034	3889517	7921060			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd5	Ave	+++++	14961	31071	350589	928660	+++++	0.170	0.425	4.24	10.00
			1396138	1834890	3785799			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd5	Ave	+++++	26407	55425	655998	1728982	+++++	0.170	0.425	4.24	10.00
			2638042	3508383	7135515			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd5	Ave	+++++	14193	30037	336655	900214	+++++	0.170	0.425	4.24	10.00
			1356801	1786222	3731343			15.0	20.0	40.0		
Benzyl chloride	CBNZd5	Ave	+++++	13923	30173	402699	1106546	+++++	0.170	0.425	4.24	10.00
			1693990	2251272	4759496			15.0	20.0	40.0		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Butylbenzene	CBNZd5	Ave	+++++ 2284079	23090 3024756	48290 6180127	564062	1501671	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorobenzene	CBNZd5	Ave	+++++ 1359886	15063 1769692	31012 3624744	345183	904681	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Undecane	CBNZd5	Ave	+++++ 1229409	+++++ 1649244	+++++ 3480454	279443	791526	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
n-Dodecane	CBNZd5	Ave	+++++ 1047355	+++++ 1393007	+++++ 2973774	210827	679865	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
1,2,4-Trichlorobenzene	CBNZd5	Ave	+++++ 1125510	+++++ 1435304	23104 3179551	242202	717680	+++++ 17.6	+++++ 23.5	0.499 46.9	4.98	11.7
Hexachlorobutadiene	CBNZd5	Ave	+++++ 1175444	13756 1576190	28181 3336472	304549	766359	+++++ 16.9	0.192 22.5	0.478 45.0	4.77	11.2
Naphthalene	CBNZd5	Ave	+++++ 2415002	22783 2987873	46626 6608635	465988	1536628	+++++ 17.8	0.203 23.8	0.506 47.6	5.05	11.9
1,2,3-Trichlorobenzene	CBNZd5	Ave	+++++ 1024201	+++++ 1301533	22395 2919132	236776	647456	+++++ 17.5	+++++ 23.3	0.496 46.6	4.94	11.6

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207901/4	61759-04.d
Level 2	IC 200-207901/5	61759-05.d
Level 3	IC 200-207901/7	61759-07.d
Level 4	IC 200-207901/9	61759-09.d
Level 5	ICIS 200-207901/10	61759-10.d
Level 6	IC 200-207901/11	61759-11.d
Level 7	IC 200-207901/14	61759-14.d
Level 8	IC 200-207901/15	61759-15.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Propylene	+++++ -3.5	+++++ -3.5	+++++	3.4	3.8	-0.2	30	30		50	30	30
Dichlorodifluoromethane	+++++ -2.5	+++++ -11.0	3.5	4.1	4.8	1.2	30	30	50	30	30	30
Chlorodifluoromethane	+++++ -3.8	+++++ -4.8	4.2	2.7	3.2	-1.5	30	30	50	30	30	30
1,2-Dichlorotetrafluoroethane	+++++ -6.1	19.3 -5.8	-3.5	-0.4	0.1	-3.6	30	50 30	30	30	30	30
Chloromethane	+++++ -4.6	+++++ -4.1	3.5	3.1	3.6	-1.4	30	30	50	30	30	30
Vinyl chloride	11.4 -8.0	18.8 -8.8	-5.0	-2.1	-0.4	-5.9	50 30	30 30	30	30	30	30
n-Butane	+++++ -3.6	+++++ -4.3	0.8	3.5	4.9	-1.3	30	30	50	30	30	30
1,3-Butadiene	28.0 -10.4	15.9 -10.6	-5.4	-5.0	-3.6	-9.0	50 30	30 30	30	30	30	30
Bromomethane	+++++ -6.1	19.3 -5.5	-5.3	0.5	-0.1	-2.8	30	50 30	30	30	30	30
Chloroethane	+++++ -2.3	+++++ -2.1	-3.8	3.0	4.4	0.8	30	30	50	30	30	30
Isopentane	+++++ -7.8	23.4 -7.0	-1.5	-2.0	-1.0	-4.2	30	50 30	30	30	30	30
Bromoethene(Vinyl Bromide)	+++++ -4.0	14.1 -2.8	-5.9	-1.1	1.2	-1.4	30	50 30	30	30	30	30
Trichlorofluoromethane	+++++ -5.7	18.1 -5.4	-2.8	-0.6	-0.1	-3.5	30	50 30	30	30	30	30
n-Pentane	+++++ -3.1	+++++ -2.6	1.4	1.2	3.2	-0.2	30	30	50	30	30	30
Ethanol	+++++ -0.5	+++++ 2.9	-6.8	-2.3	7.9	-1.3	30	30	50	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington | Job No.: 200-75119-1 | Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 | Calibration End Date: 08/23/2024 03:28 | Calibration ID: 53375

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl ether	+++++	9.0	-8.6	-0.3	3.3	-0.3		50	30	30	30	30
	-2.3	-0.8					30	30				
Acrolein	+++++	+++++	+++++	-4.1	2.4	1.7				50	30	30
	-1.7	1.8					30	30				
1,1-Dichloroethene	21.3	10.7	-6.6	-3.8	-2.1	-5.7	50	30	30	30	30	30
	-7.3	-6.5					30	30				
1,1,2-Trichlorotrifluoroethane	+++++	16.7	-4.4	-0.7	0.4	-2.6		50	30	30	30	30
	-4.8	-4.5					30	30				
Acetone	+++++	+++++	+++++	-2.0	4.8	0.6				50	30	30
	-1.7	-1.7					30	30				
Isopropyl alcohol	+++++	+++++	+++++	0.7	2.1	-0.7				50	30	30
	-2.1	0.0					30	30				
Carbon disulfide	+++++	+++++	-1.4	-1.2	3.4	0.7			50	30	30	30
	-0.8	-0.7					30	30				
Acetonitrile	+++++	+++++	+++++	-5.4	2.3	0.2				50	30	30
	-0.3	3.1					30	30				
3-Chloropropene	+++++	38.9	1.8	-7.0	-5.1	-8.9		50	30	30	30	30
	-10.0	-9.8					30	30				
Methylene Chloride	+++++	+++++	11.6	0.4	1.2	-2.9			50	30	30	30
	-4.9	-5.5					30	30				
tert-Butyl alcohol	+++++	+++++	+++++	0.5	1.9	-0.2				50	30	30
	-0.7	-1.5					30	30				
Acrylonitrile	+++++	+++++	-7.0	-3.8	3.9	1.4			50	30	30	30
	1.3	4.1					30	30				
trans-1,2-Dichloroethene	9.8	8.6	-13.4	-2.3	1.9	-1.3	50	30	30	30	30	30
	-2.3	-0.9					30	30				
Methyl tert-butyl ether	+++++	13.5	-10.3	-2.1	2.0	-0.7		50	30	30	30	30
	-2.2	-0.3					30	30				
n-Hexane	+++++	14.7	-5.0	-1.6	1.9	-2.3		50	30	30	30	30
	-4.5	-3.2					30	30				
1,1-Dichloroethane	8.3	13.1	-6.2	-1.4	-0.2	-3.2	50	30	30	30	30	30
	-5.6	-4.8					30	30				
Vinyl acetate	+++++	+++++	+++++	-49.2	-6.8	6.3				50	30	30
	10.6	39.1 *					30	30				
Methyl Ethyl Ketone (2-Butanone)	+++++	+++++	-12.8	3.8	3.9	2.2			50	30	30	30
	0.0	2.8					30	30				
cis-1,2-Dichloroethene	18.4	12.4	-9.0	-3.7	-1.8	-4.6	50	30	30	30	30	30
	-6.1	-5.5					30	30				
Ethyl acetate	+++++	+++++	+++++	-4.4	2.8	0.5				50	30	30
	-1.5	2.7					30	30				
Tetrahydrofuran	+++++	+++++	+++++	0.2	2.8	-0.6				50	30	30
	-3.0	0.6					30	30				

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chloroform	+++++ -4.6	17.7 -4.6	-6.6	-0.7	1.4	-2.7	30	50 30	30	30	30	30
1,1,1-Trichloroethane	+++++ -4.1	15.5 -0.7	-8.4	-1.8	1.7	-2.1	30	50 30	30	30	30	30
Cyclohexane	+++++ -3.8	15.0 -0.3	-8.1	-3.1	1.7	-1.4	30	50 30	30	30	30	30
Carbon tetrachloride	-2.0 -0.6	6.2 3.3	-11.1	-1.2	4.3	1.2	50 30	30 30	30	30	30	30
Benzene	+++++ -4.3	17.1 -1.9	-6.8	-2.2	0.6	-2.5	30	50 30	30	30	30	30
1,2-Dichloroethane	+++++ -2.9	10.0 -0.3	-8.3	-0.7	2.0	0.2	30	50 30	30	30	30	30
2,2,4-Trimethylpentane	+++++ -2.7	11.7 0.2	-9.4	-1.6	2.6	-0.7	30	50 30	30	30	30	30
n-Heptane	+++++ -3.1	14.2 -0.7	-9.4	-1.8	2.1	-1.3	30	50 30	30	30	30	30
n-Butanol	+++++ 0.3	+++++ 4.2	+++++	-4.9	0.2	0.2	30	30		50	30	30
Trichloroethene	5.4 -2.5	8.3 -1.4	-11.1	-1.1	3.2	-0.9	50 30	30 30	30	30	30	30
1,2-Dichloropropane	+++++ -2.9	13.0 0.7	-9.5	-1.5	1.8	-1.6	30	50 30	30	30	30	30
Methyl methacrylate	+++++ 2.3	+++++ 10.6	-20.1	-1.2	4.3	4.1	30	30	50	30	30	30
1,4-Dioxane	+++++ -6.6	18.8 -1.8	-15.2	11.6	-2.1	-4.7	30	50 30	30	30	30	30
Dibromomethane	+++++ -3.0	16.7 0.0	-10.5	-2.1	0.7	-1.9	30	50 30	30	30	30	30
Bromodichloromethane	+++++ -0.1	6.8 2.9	-12.7	-1.7	3.9	0.9	30	50 30	30	30	30	30
cis-1,3-Dichloropropene	+++++ 2.3	-0.5 7.0	-16.3	-1.7	5.7	3.4	30	50 30	30	30	30	30
4-Methyl-2-pentanone (Methyl isobutyl ketone)	+++++ 0.8	+++++ 5.1	-19.2	6.7	4.3	2.3	30	30	50	30	30	30
Toluene	+++++ -2.5	13.5 -0.4	-8.9	-2.1	1.6	-1.2	30	50 30	30	30	30	30
n-Octane	+++++ -1.1	8.5 2.0	-11.7	-1.0	3.3	0.0	30	50 30	30	30	30	30
trans-1,3-Dichloropropene	+++++ 5.2	-6.8 11.4	-21.1	-1.7	7.4	5.7	30	50 30	30	30	30	30
1,1,2-Trichloroethane	+++++ -2.6	11.2 0.1	-9.2	-1.0	2.3	-0.8	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Tetrachloroethene	10.3 -5.0	13.9 -3.1	-8.5	-3.7	-0.6	-3.2	50 30	30 30	30	30	30	30
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3	+++++ 4.1	-24.0	15.4	2.8	1.4	30	30	50	30	30	30
Dibromochloromethane	+++++ 4.3	-7.0 8.5	-16.5	-1.6	7.2	5.0	30	50 30	30	30	30	30
1,2-Dibromoethane	+++++ -0.1	7.3 3.3	-13.7	-1.6	3.4	1.4	30	50 30	30	30	30	30
Chlorobenzene	+++++ -3.3	16.3 -1.0	-8.2	-3.1	1.2	-1.8	30	50 30	30	30	30	30
Ethylbenzene	+++++ -1.7	11.2 0.1	-9.7	-2.2	2.6	-0.3	30	50 30	30	30	30	30
m,p-Xylene	+++++ -0.6	8.9 1.8	-11.2	-2.3	3.0	0.5	30	50 30	30	30	30	30
n-Nonane	+++++ 0.8	3.2 5.7	-13.9	-2.1	4.1	2.2	30	50 30	30	30	30	30
o-Xylene	+++++ -0.1	7.8 2.2	-11.8	-1.7	2.8	0.8	30	50 30	30	30	30	30
Styrene	+++++ 4.3	-2.4 6.9	-18.8	-1.7	6.5	5.2	30	50 30	30	30	30	30
Bromoform	+++++ 12.2	-24.9 17.3	-21.8	-6.9	13.3	10.8	30	50 30	30	30	30	30
Cumene	+++++ 0.6	6.1 2.6	-13.4	-1.3	4.1	1.3	30	50 30	30	30	30	30
1,1,2,2-Tetrachloroethane	+++++ -2.7	13.1 1.0	-6.5	-3.6	0.5	-1.8	30	50 30	30	30	30	30
1,2,3-Trichloropropane	+++++ -0.5	+++++ 1.7	-5.6	-1.0	4.5	0.9	30	30	50	30	30	30
n-Propylbenzene	+++++ 0.1	8.8 1.3	-13.3	-2.3	4.4	1.1	30	50 30	30	30	30	30
2-Chlorotoluene	+++++ -1.3	11.5 1.6	-11.3	-2.6	2.5	-0.3	30	50 30	30	30	30	30
4-Ethyltoluene	+++++ 1.8	4.6 3.6	-15.6	-2.3	5.2	2.7	30	50 30	30	30	30	30
1,3,5-Trimethylbenzene	+++++ 0.7	8.4 2.5	-14.3	-2.9	3.7	2.0	30	50 30	30	30	30	30
n-Decane	+++++ 6.1	+++++ 11.2	-26.9	-3.3	6.4	6.4	30	30	50	30	30	30
Alpha Methyl Styrene	+++++ 6.2	-5.8 9.2	-22.4	-2.6	8.3	7.1	30	50 30	30	30	30	30
tert-Butylbenzene	+++++ 1.3	7.2 1.8	-13.2	-3.0	4.1	1.7	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75119-1 Analy Batch No.: 207901

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/22/2024 17:26 Calibration End Date: 08/23/2024 03:28 Calibration ID: 53375

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	+++++ 1.2	6.7 2.8	-15.1	-2.8	4.3	2.9	30	50 30	30	30	30	30
sec-Butylbenzene	+++++ 1.5	7.3 1.6	-14.9	-2.3	4.3	2.5	30	50 30	30	30	30	30
1,3-Dichlorobenzene	+++++ 0.6	7.0 2.1	-14.5	-2.9	5.2	2.5	30	50 30	30	30	30	30
4-Isopropyltoluene	+++++ 3.8	1.9 3.8	-17.7	-2.0	5.7	4.5	30	50 30	30	30	30	30
1,4-Dichlorobenzene	+++++ 1.2	4.9 4.0	-14.6	-3.7	5.3	2.9	30	50 30	30	30	30	30
Benzyl chloride	+++++ 8.6	-12.4 12.9	-26.9	-1.9	10.3	9.4	30	50 30	30	30	30	30
n-Butylbenzene	+++++ 3.2	2.8 3.7	-17.3	-2.8	5.9	4.4	30	50 30	30	30	30	30
1,2-Dichlorobenzene	+++++ -1.0	10.0 -0.2	-12.9	-2.4	4.6	1.9	30	50 30	30	30	30	30
n-Undecane	+++++ 2.4	+++++ 6.3	+++++	-12.4	1.5	2.2	30	30		50	30	30
n-Dodecane	+++++ 3.5	+++++ 8.7	+++++	-20.9	4.4	4.2	30	30		50	30	30
1,2,4-Trichlorobenzene	+++++ 2.9	+++++ 12.1	-16.9	-12.3	6.3	8.0	30	30	50	30	30	30
Hexachlorobutadiene	+++++ -0.8	13.0 3.3	-11.0	-3.2	-0.4	-0.9	30	50 30	30	30	30	30
Naphthalene	+++++ 3.0	2.4 12.0	-19.3	-18.9	9.4	11.4	30	50 30	30	30	30	30
1,2,3-Trichlorobenzene	+++++ 0.6	+++++ 10.9	-13.2	-7.6	3.3	6.0	30	30	50	30	30	30

Report Date: 23-Aug-2024 09:45:56 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Aug-2024 17:26:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061759-004
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Aug-2024 09:45:55 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: YWL8 Date: 23-Aug-2024 14:44:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.051	4.051	0.000	92	1094	0.0351	0.0767	
2 Dichlorodifluoromethane	85	4.142	4.136	0.006	97	2489	0.0351	0.0458	
3 Chlorodifluoromethane	51	4.174	4.179	-0.005	30	1481	0.0351	0.0485	M
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.484	4.479	0.005	90	2515	0.0351	0.0431	
5 Chloromethane	50		4.596				ND	ND	MU
6 Vinyl chloride	62	4.912	4.901	0.011	74	909	0.0351	0.0391	
7 Butane	43	4.901	4.907	-0.006	97	2754	0.0351	0.0881	
8 Butadiene	54	5.024	5.019	0.005	79	807	0.0351	0.0449	
9 Bromomethane	94	5.768	5.762	0.006	92	875	0.0351	0.0419	
10 Chloroethane	64		6.057				ND	ND	MU
12 2-Methylbutane	43	6.314	6.292	0.022	85	1120	0.0351	0.0497	
13 Vinyl bromide	106	6.533	6.527	0.006	29	785	0.0351	0.0369	
14 Trichlorofluoromethane	101	6.709	6.715	-0.006	95	2446	0.0351	0.0427	
15 Pentane	43		6.955				ND	ND	MU
16 Ethanol	45		7.137				ND	ND	MU
18 Ethyl ether	59	7.501	7.437	0.064	17	263	0.0351	0.0185	
19 Acrolein	56		7.715				ND	ND	
20 1,1-Dichloroethene	96	7.951	7.956	-0.005	91	1027	0.0351	0.0425	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.009	8.004	0.005	94	2089	0.0351	0.0415	
22 Acetone	43	8.132	8.041	0.091	95	2469	0.0351	0.0821	
23 Isopropyl alcohol	45		8.400				ND	ND	MU
24 Carbon disulfide	76	8.448	8.448	0.000	99	4040	0.0351	0.0682	
25 Acetonitrile	41		8.635				ND	ND	
26 3-Chloro-1-propene	41	8.796	8.790	0.006	82	1588	0.0351	0.0585	M
27 Methylene Chloride	49	9.074	9.069	0.005	87	2351	0.0351	0.1013	
28 2-Methyl-2-propanol	59	9.432	9.331	0.101	91	1398	0.0351	0.0333	
29 Acrylonitrile	53		9.539				ND	ND	
30 trans-1,2-Dichloroethene	61	9.679	9.673	0.006	87	1156	0.0351	0.0385	
31 Methyl tert-butyl ether	73	9.764	9.684	0.080	94	2797	0.0351	0.0430	
S 35 1,2-Dichloroethene, Total	61				0		0.0702	0.0800	
32 Hexane	57		10.283				ND	ND	MU

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.577	10.577	0.000	94	1544	0.0351	0.0380	
34 Vinyl acetate	43		10.588				ND	ND	
36 2-Butanone (MEK)	72		11.685				ND	ND	
37 cis-1,2-Dichloroethene	96	11.722	11.717	0.005	81	1122	0.0351	0.0415	
38 Ethyl acetate	88		11.776				ND	ND	
* 39 Chlorobromomethane	128	12.182	12.177	0.005	82	178321	10.0	10.0	
40 Tetrahydrofuran	42		12.241				ND	ND	MU
41 Chloroform	83	12.375	12.369	0.006	90	2138	0.0351	0.0441	
42 1,1,1-Trichloroethane	97	12.717	12.722	-0.005	91	1940	0.0351	0.0378	
43 Cyclohexane	84	12.883	12.883	0.000	84	1333	0.0351	0.0385	
44 Carbon tetrachloride	117	13.033	13.033	0.000	90	1808	0.0351	0.0344	
45 Benzene	78	13.418	13.407	0.011	95	3296	0.0351	0.0436	
46 1,2-Dichloroethane	62		13.482				ND	ND	
47 Isooctane	57	13.637	13.637	0.000	96	4265	0.0351	0.0383	
48 n-Heptane	43	13.964	13.964	0.000	87	1645	0.0351	0.0425	
* 49 1,4-Difluorobenzene	114	14.188	14.194	-0.006	93	941179	10.0	10.0	
50 n-Butanol	56		14.418				ND	ND	MU
51 Trichloroethene	95	14.659	14.664	-0.005	92	1308	0.0351	0.0370	
53 1,2-Dichloropropane	63	15.141	15.146	-0.005	1	975	0.0351	0.0371	M
54 Methyl methacrylate	69	15.269	15.221	0.048	1	434	0.0351	0.0169	M
55 1,4-Dioxane	88	15.371	15.290	0.081	73	497	0.0351	0.0295	
57 Dibromomethane	174	15.322	15.317	0.005	91	1617	0.0351	0.0431	
58 Dichlorobromomethane	83	15.638	15.633	0.005	90	1766	0.0351	0.0337	
59 cis-1,3-Dichloropropene	75	16.483	16.473	0.010	86	1297	0.0351	0.0290	
61 4-Methyl-2-pentanone (MIBK)	43	16.783	16.735	0.048	92	1933	0.0351	0.0398	
62 Toluene	92	17.157	17.147	0.010	92	2221	0.0351	0.0412	
A 63 Toluene Range	1	17.173	(17.077-17.259)		0	6741	NC	NC	
64 n-Octane	43	17.393	17.387	0.006	85	2142	0.0351	0.0397	
A 65 C8 Range	1	17.420	(17.312-17.559)		0	7507	NC	NC	
66 trans-1,3-Dichloropropene	75		17.559				ND	ND	MU
67 1,1,2-Trichloroethane	83	17.960	17.954	0.006	5	901	0.0351	0.0368	M
68 Tetrachloroethene	166	18.174	18.184	-0.010	94	2002	0.0351	0.0387	
69 2-Hexanone	43	18.409	18.361	0.048	84	1476	0.0351	0.0332	M
70 Chlorodibromomethane	129	18.725	18.725	0.000	90	1288	0.0351	0.0245	
71 Ethylene Dibromide	107	18.992	18.982	0.010	94	1608	0.0351	0.0345	
* 73 Chlorobenzene-d5	117	19.913	19.912	0.001	85	792819	10.0	10.0	
74 Chlorobenzene	112	19.971	19.971	0.000	93	3130	0.0351	0.0412	
S 80 Xylenes, Total	106				0		0.1052	0.1191	
75 Ethylbenzene	91	20.159	20.153	0.006	96	5081	0.0351	0.0426	
76 m-Xylene & p-Xylene	106	20.410	20.405	0.005	0	3933	0.0702	0.0811	
77 n-Nonane	57	20.448	20.442	0.006	79	2044	0.0351	0.0401	
78 o-Xylene	106	21.122	21.116	0.006	96	1752	0.0351	0.0380	
79 Styrene	104	21.154	21.148	0.006	91	2523	0.0351	0.0342	
81 Bromoform	173	21.469	21.469	0.000	88	1240	0.0351	0.0241	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	5653	0.0351	0.0410	
83 1,1,2,2-Tetrachloroethane	83	22.202	22.197	0.005	96	2722	0.0351	0.0437	
84 1,2,3-Trichloropropane	75	22.304	22.298	0.006	85	2231	0.0351	0.0447	
85 N-Propylbenzene	91	22.400	22.395	0.005	99	6610	0.0351	0.0414	
86 2-Chlorotoluene	91	22.545	22.544	0.001	95	4874	0.0351	0.0438	
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	5310	0.0351	0.0394	
88 1,3,5-Trimethylbenzene	105	22.662	22.657	0.005	92	4949	0.0351	0.0427	
89 n-Decane	57	22.673	22.668	0.005	91	2365	0.0351	0.0373	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.973	22.972	0.001	88	2042	0.0351	0.0340	
91 tert-Butylbenzene	119	23.122	23.122	0.000	94	4768	0.0351	0.0410	
92 1,2,4-Trimethylbenzene	105	23.203	23.203	0.001	96	4615	0.0351	0.0401	
93 sec-Butylbenzene	105	23.438	23.438	0.000	97	6758	0.0351	0.0397	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	96	3400	0.0351	0.0420	
95 4-Isopropyltoluene	119	23.663	23.652	0.011	97	5697	0.0351	0.0380	
96 1,4-Dichlorobenzene	146	23.786	23.780	0.006	90	3233	0.0351	0.0413	
97 Benzyl chloride	91	23.930	23.930	0.000	97	3060	0.0351	0.0333	
98 n-Butylbenzene	91	24.262	24.256	0.006	96	4986	0.0351	0.0384	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	95	3480	0.0351	0.0439	
100 Undecane	57	24.390	24.385	0.005	92	2109	0.0351	0.0295	
101 Dodecane	57	26.150	26.134	0.016	86	1711	0.0351	0.0287	
102 1,2,4-Trichlorobenzene	180	27.033	27.033	0.000	92	3094	0.0411	0.0586	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	94	3258	0.0394	0.0520	
104 Naphthalene	128	27.595	27.589	0.006	98	7681	0.0417	0.0709	
105 1,2,3-Trichlorobenzene	180	28.049	28.065	-0.016	89	3503	0.0409	0.0711	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

ATTO15CAL1w_00271	Amount Added: 35.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

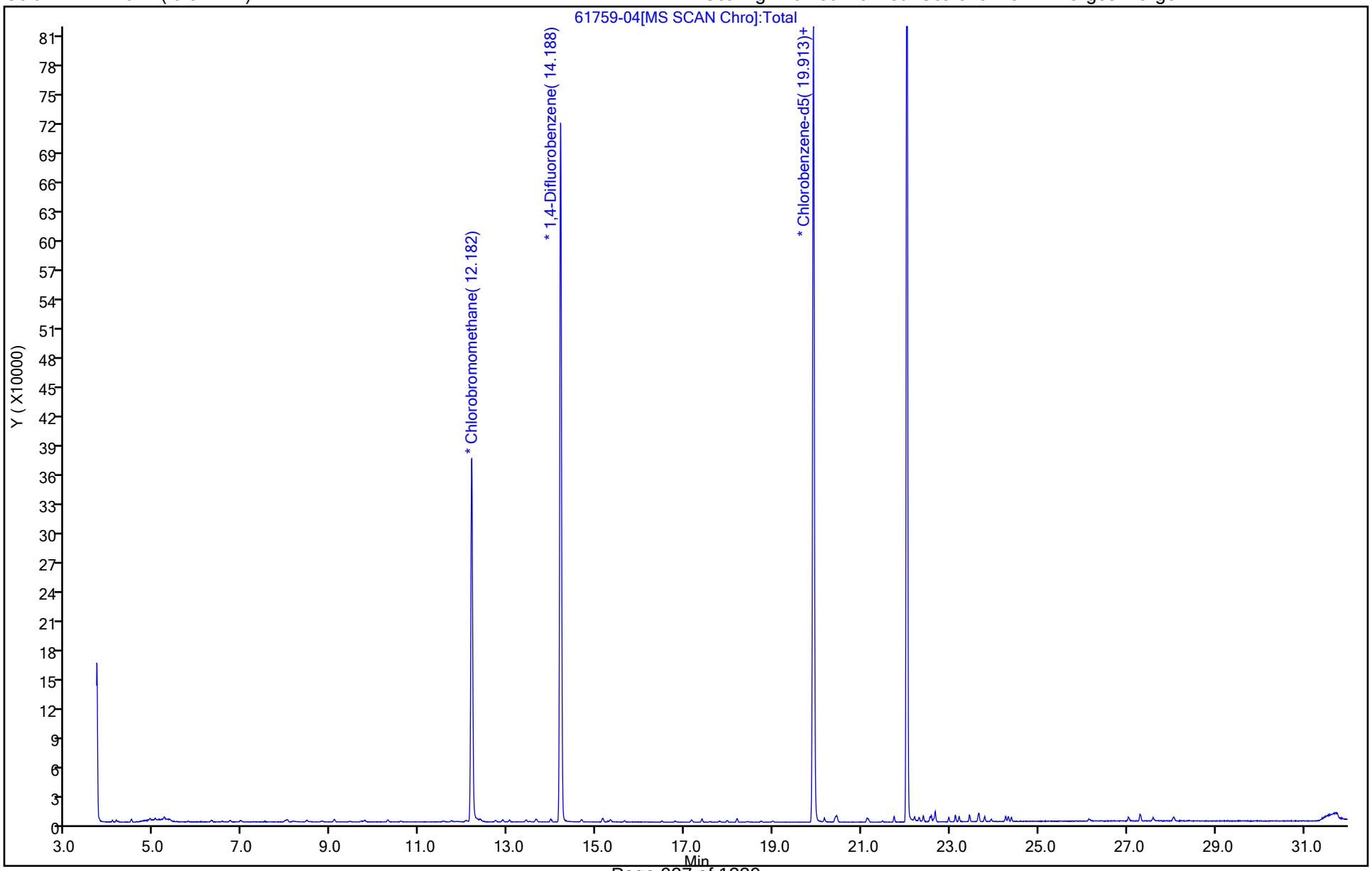
Report Date: 23-Aug-2024 09:45:56 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d

Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

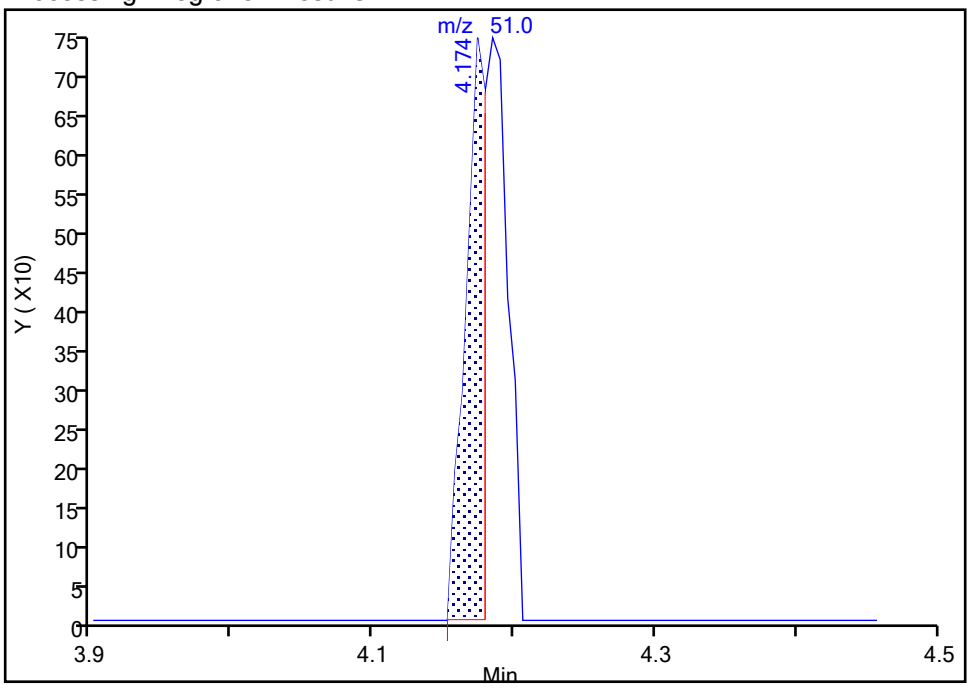
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

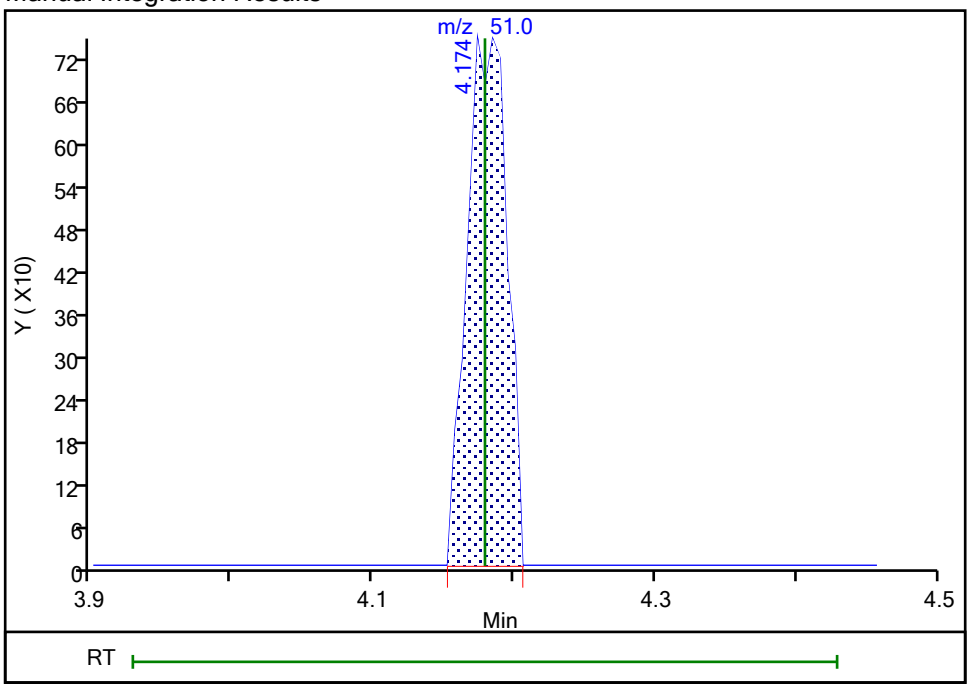
Processing Integration Results

RT: 4.17
Area: 779
Amount: 0.025514
Amount Units: ppb v/v



Manual Integration Results

RT: 4.17
Area: 1481
Amount: 0.048478
Amount Units: ppb v/v



Reviewer: YWL8, 23-Aug-2024 14:41:22 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

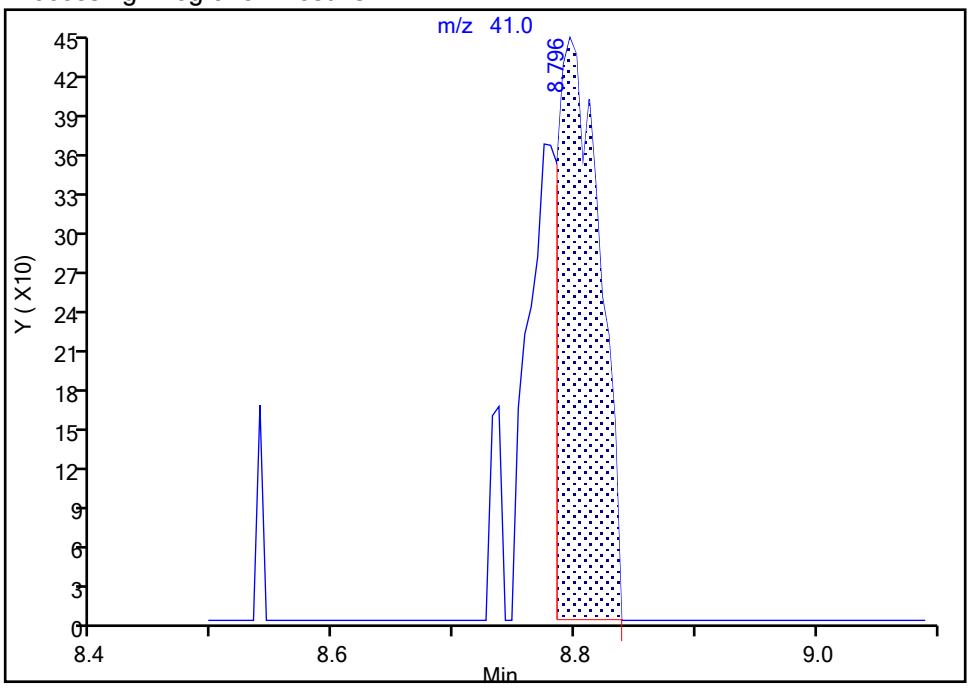
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d
Injection Date: 22-Aug-2024 17:26:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

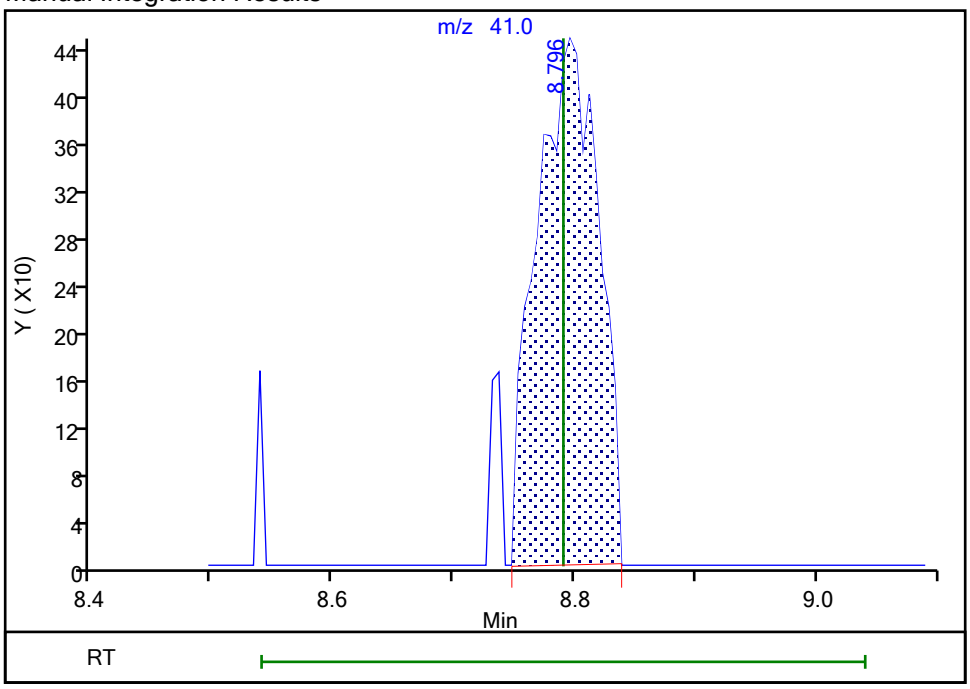
Processing Integration Results

RT: 8.80
Area: 1071
Amount: 0.038229
Amount Units: ppb v/v



Manual Integration Results

RT: 8.80
Area: 1588
Amount: 0.058483
Amount Units: ppb v/v



Reviewer: YWL8, 23-Aug-2024 14:42:12 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

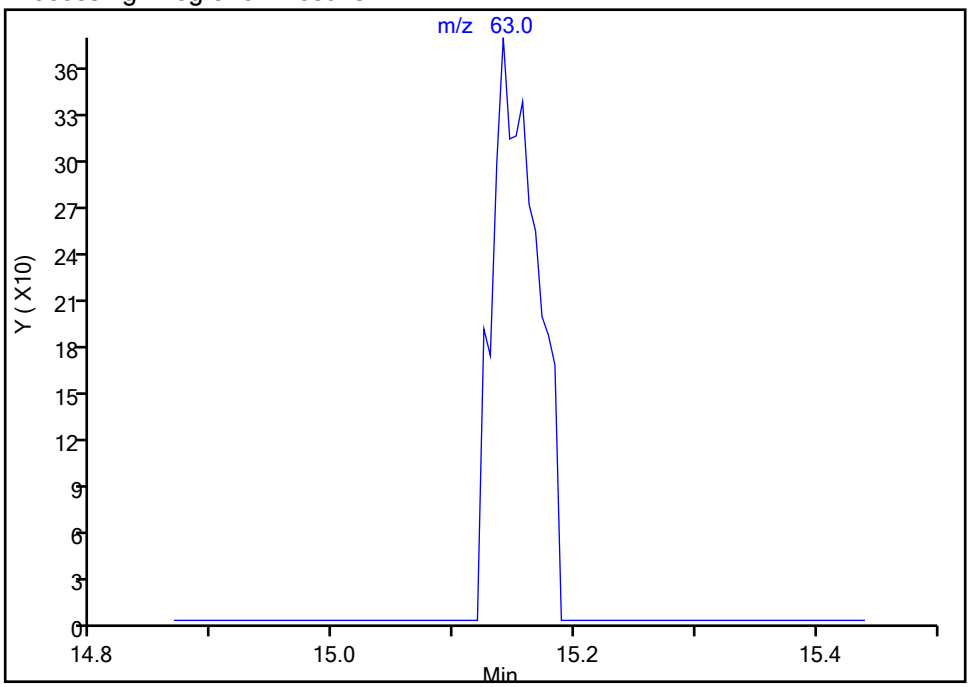
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

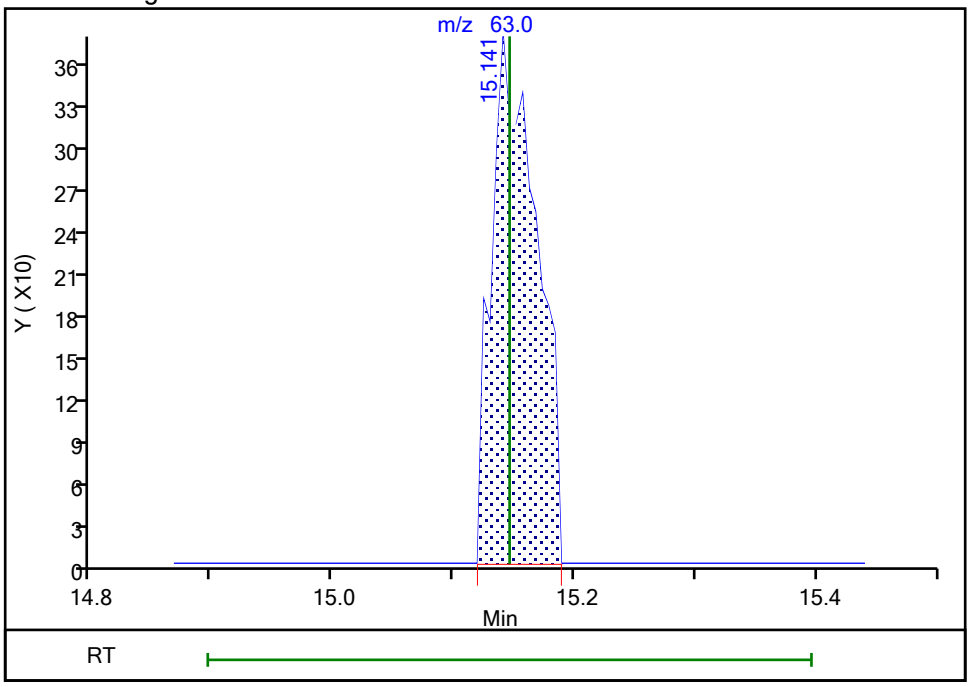
Not Detected
Expected RT: 15.15

Processing Integration Results



Manual Integration Results

RT: 15.14
Area: 975
Amount: 0.037131
Amount Units: ppb v/v



Reviewer: YWL8, 23-Aug-2024 14:42:53 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

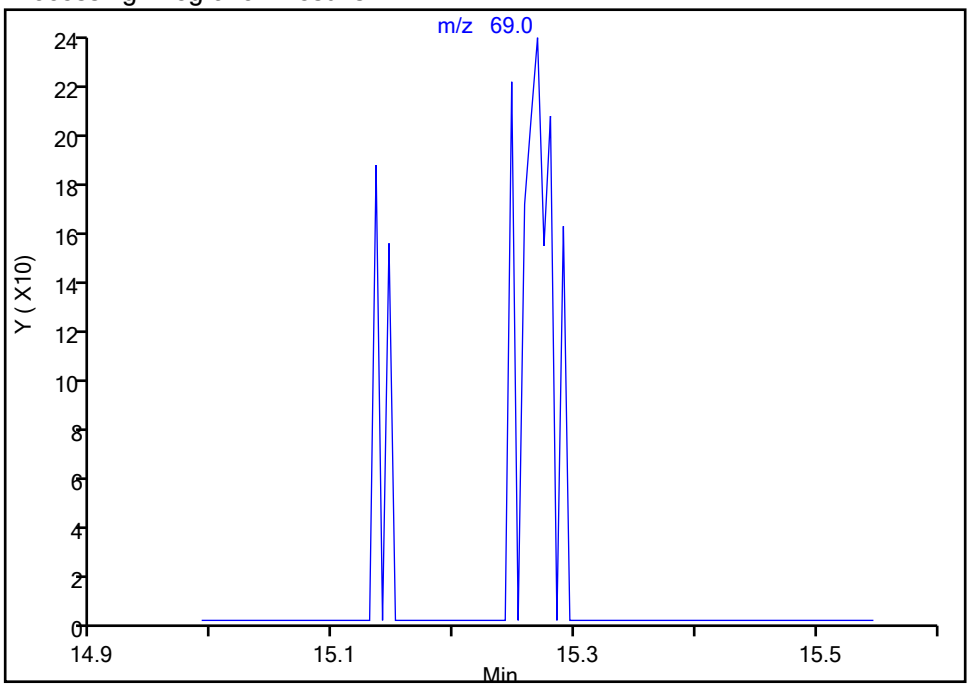
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

54 Methyl methacrylate, CAS: 80-62-6

Signal: 1

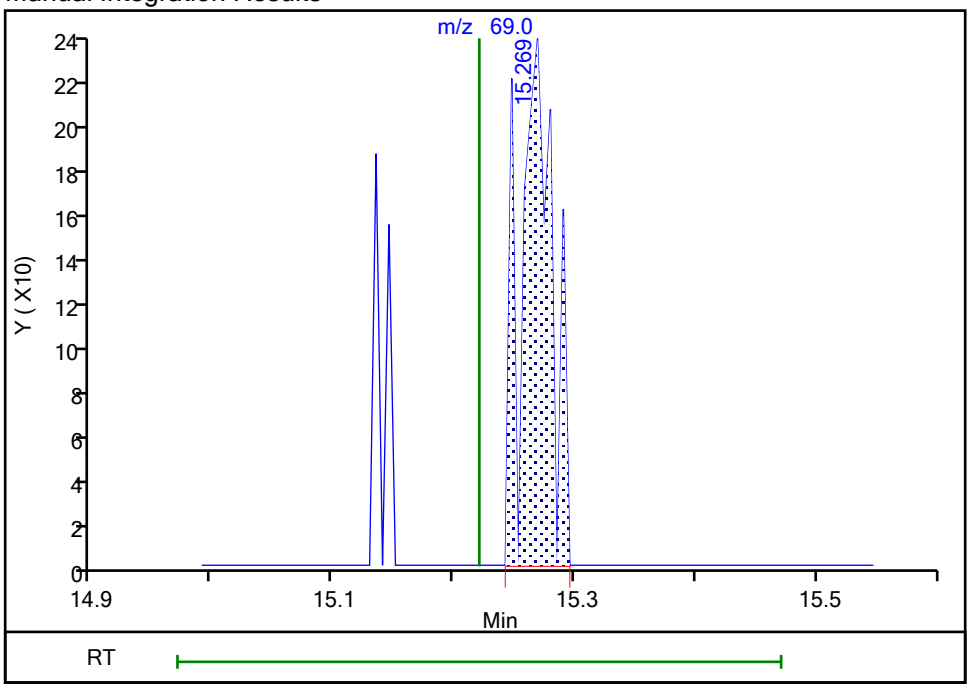
Not Detected
Expected RT: 15.22

Processing Integration Results



Manual Integration Results

RT: 15.27
Area: 434
Amount: 0.016910
Amount Units: ppb v/v



Reviewer: YWL8, 23-Aug-2024 14:43:03 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

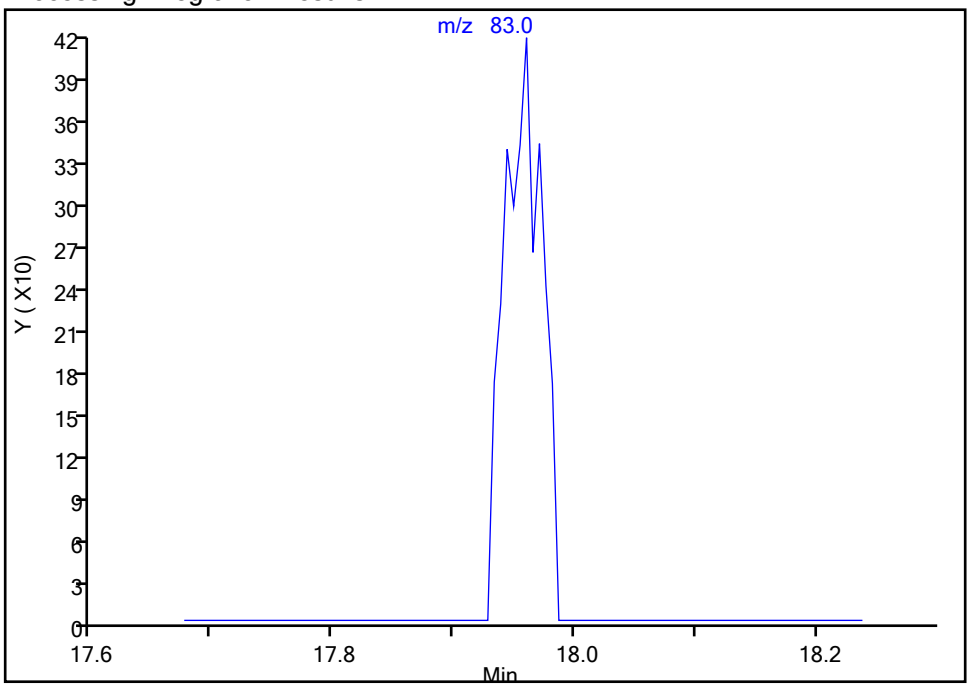
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

67 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

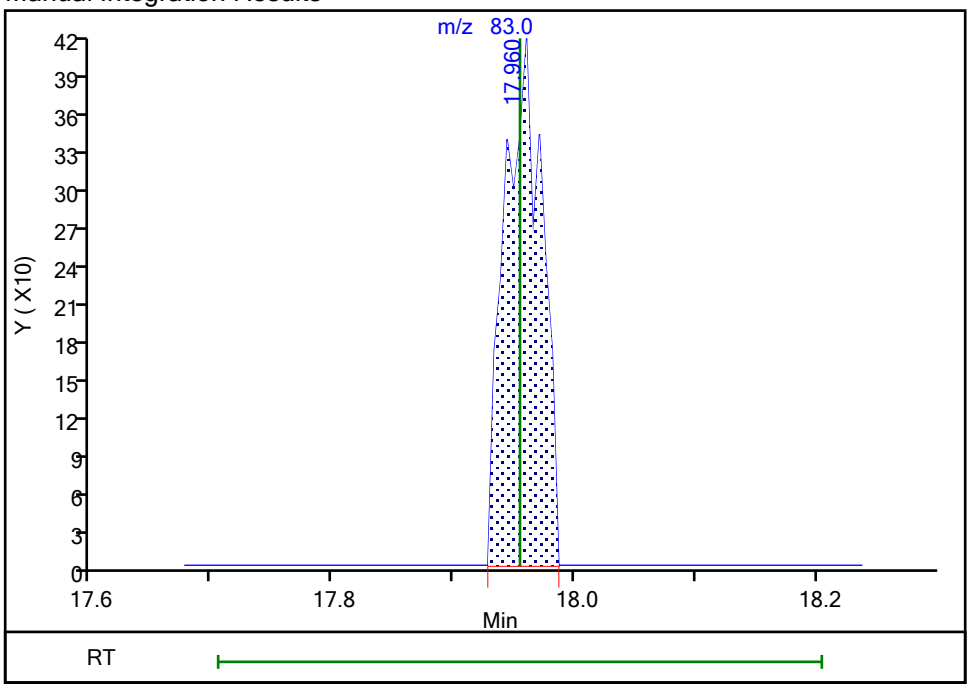
Not Detected
Expected RT: 17.95

Processing Integration Results



Manual Integration Results

RT: 17.96
Area: 901
Amount: 0.036842
Amount Units: ppb v/v



Reviewer: YWL8, 23-Aug-2024 14:43:28 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

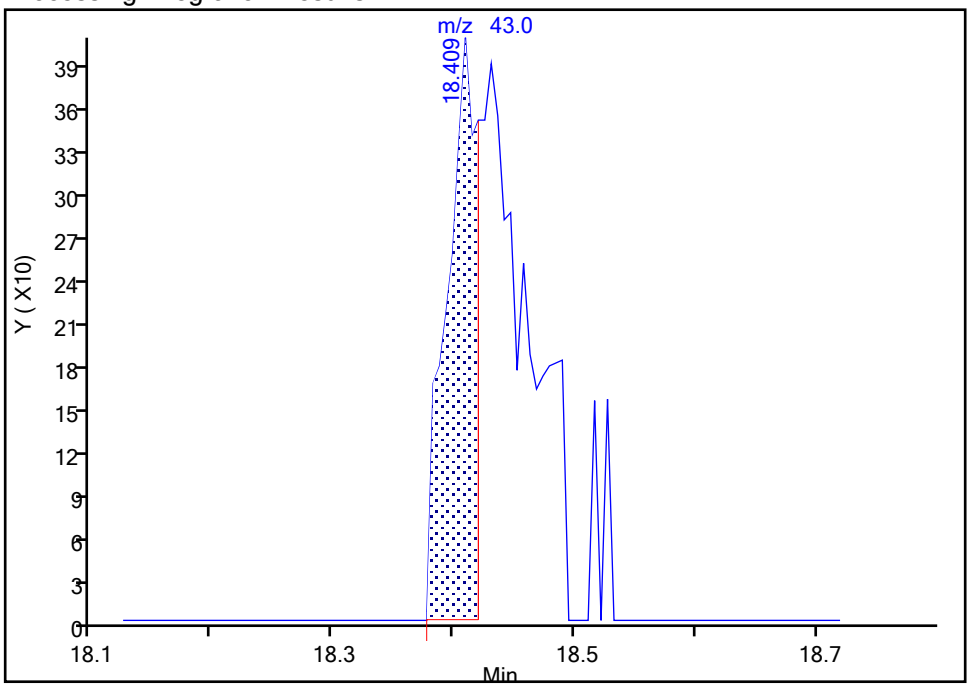
Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d
Injection Date: 22-Aug-2024 17:26:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

69 2-Hexanone, CAS: 591-78-6

Signal: 1

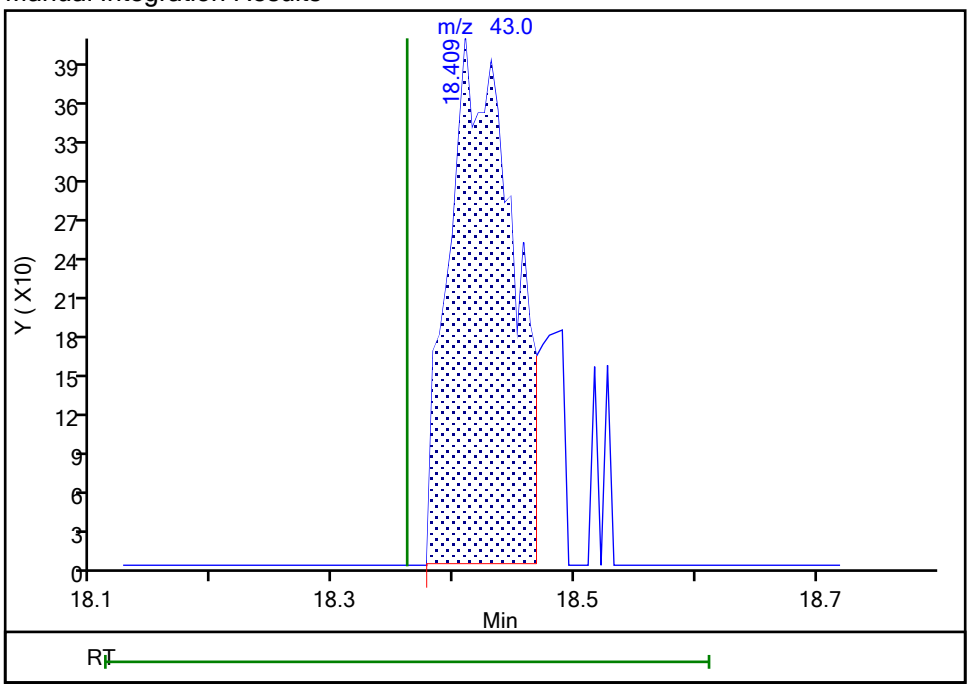
Processing Integration Results

RT: 18.41
Area: 713
Amount: 0.017452
Amount Units: ppb v/v



Manual Integration Results

RT: 18.41
Area: 1476
Amount: 0.033215
Amount Units: ppb v/v



Reviewer: YWL8, 23-Aug-2024 14:43:39 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

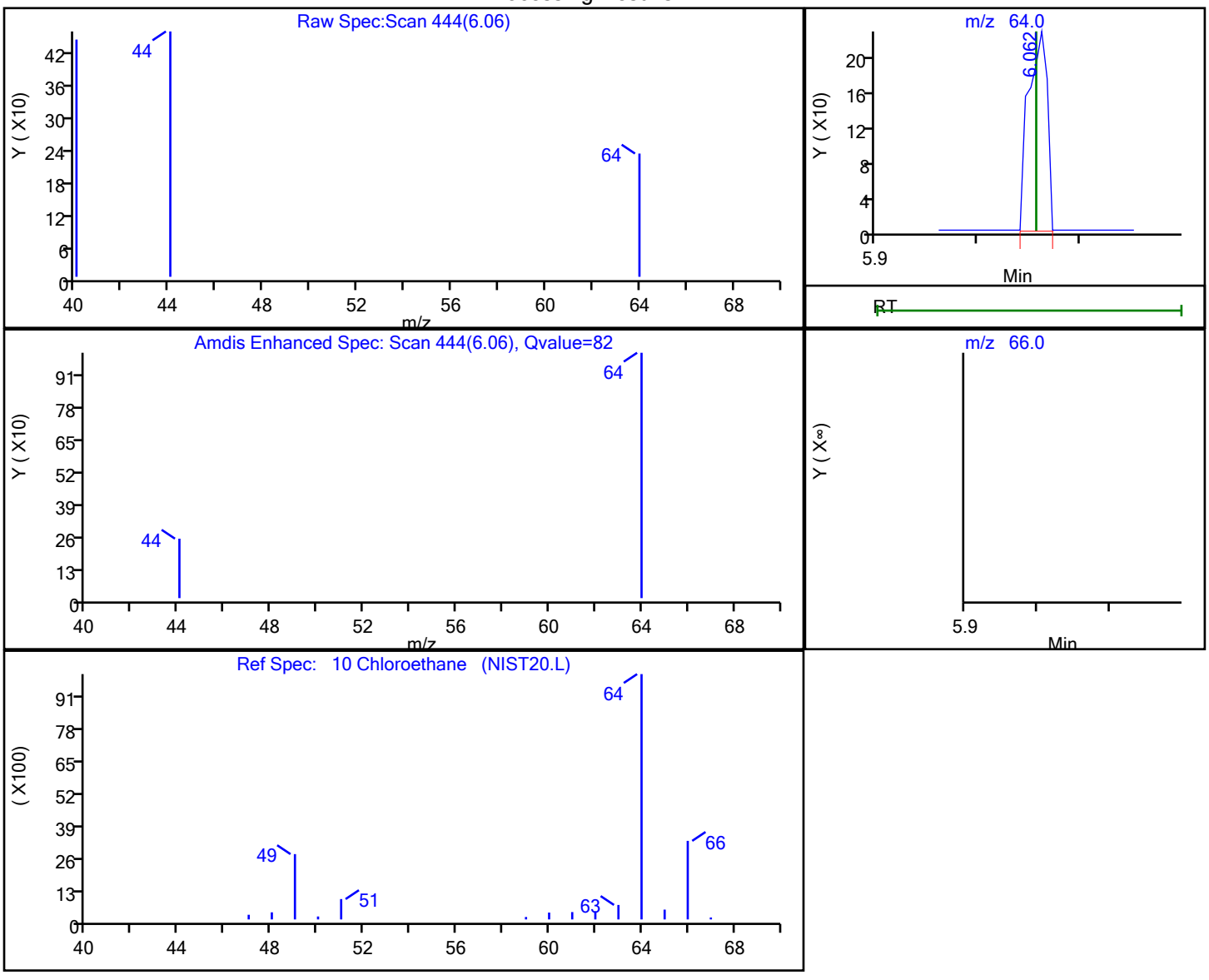
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
6.06	64.00	291	0.027115
6.06	66.00	0	

Reviewer: YWL8, 23-Aug-2024 14:41:35 07:00:00 (UTC)

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

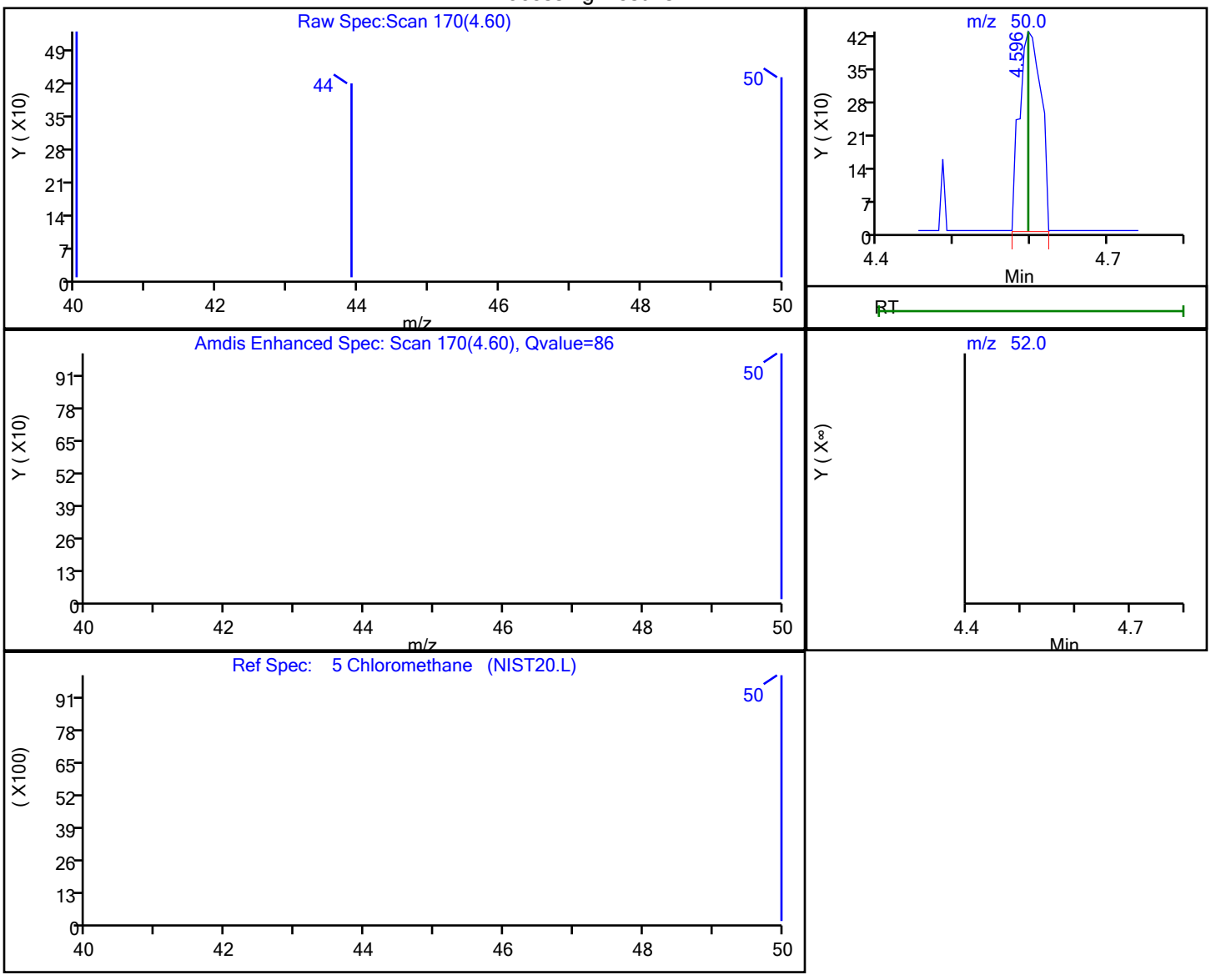
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
4.60	50.00	834	0.045760
4.59	52.00	0	

Reviewer: YWL8, 23-Aug-2024 14:41:28 07:00:00 (UTC)

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

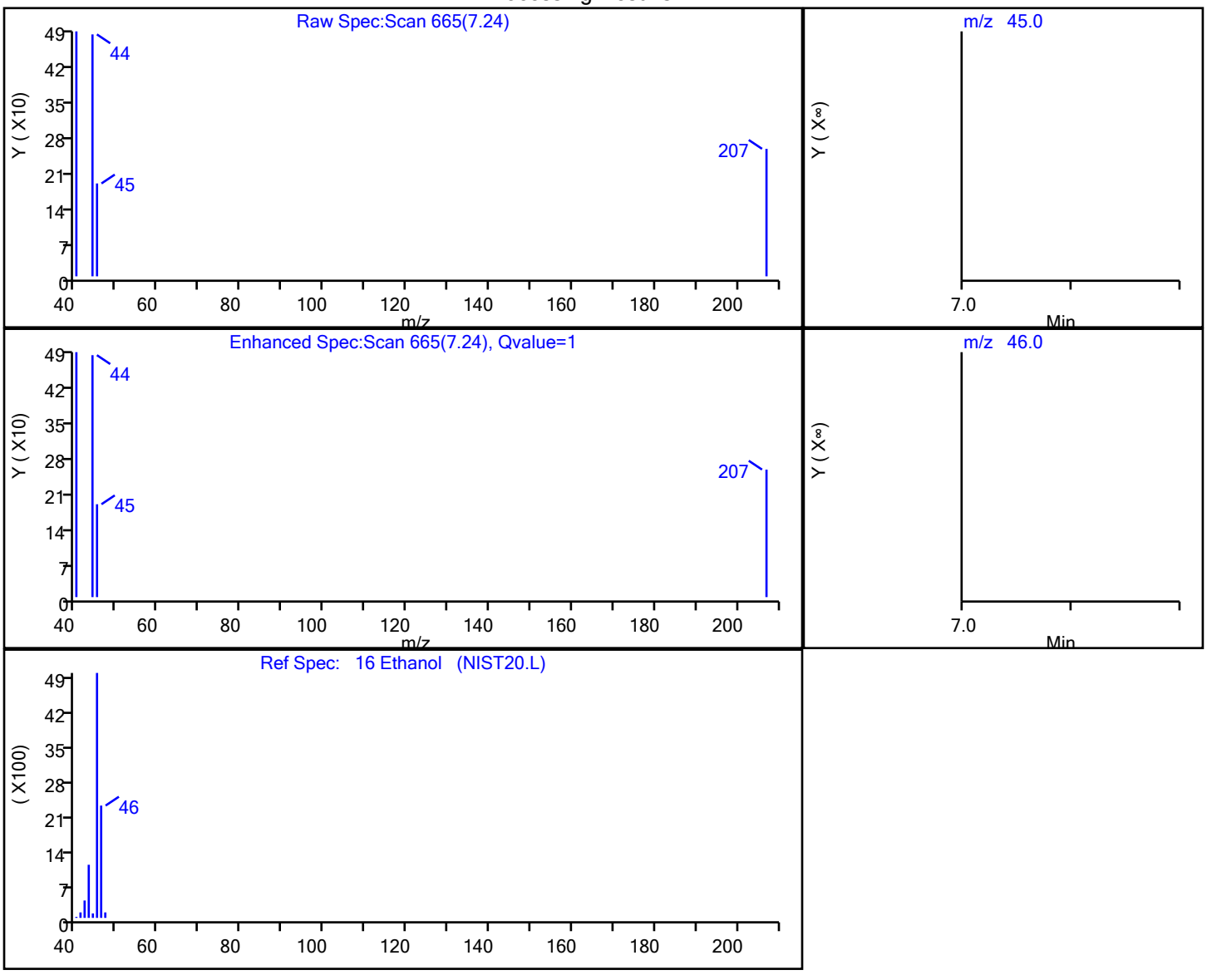
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

16 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
7.24	45.00	110	0.015616
7.14	46.00	0	

Reviewer: YWL8, 23-Aug-2024 14:41:44 07:00:00 (UTC)

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

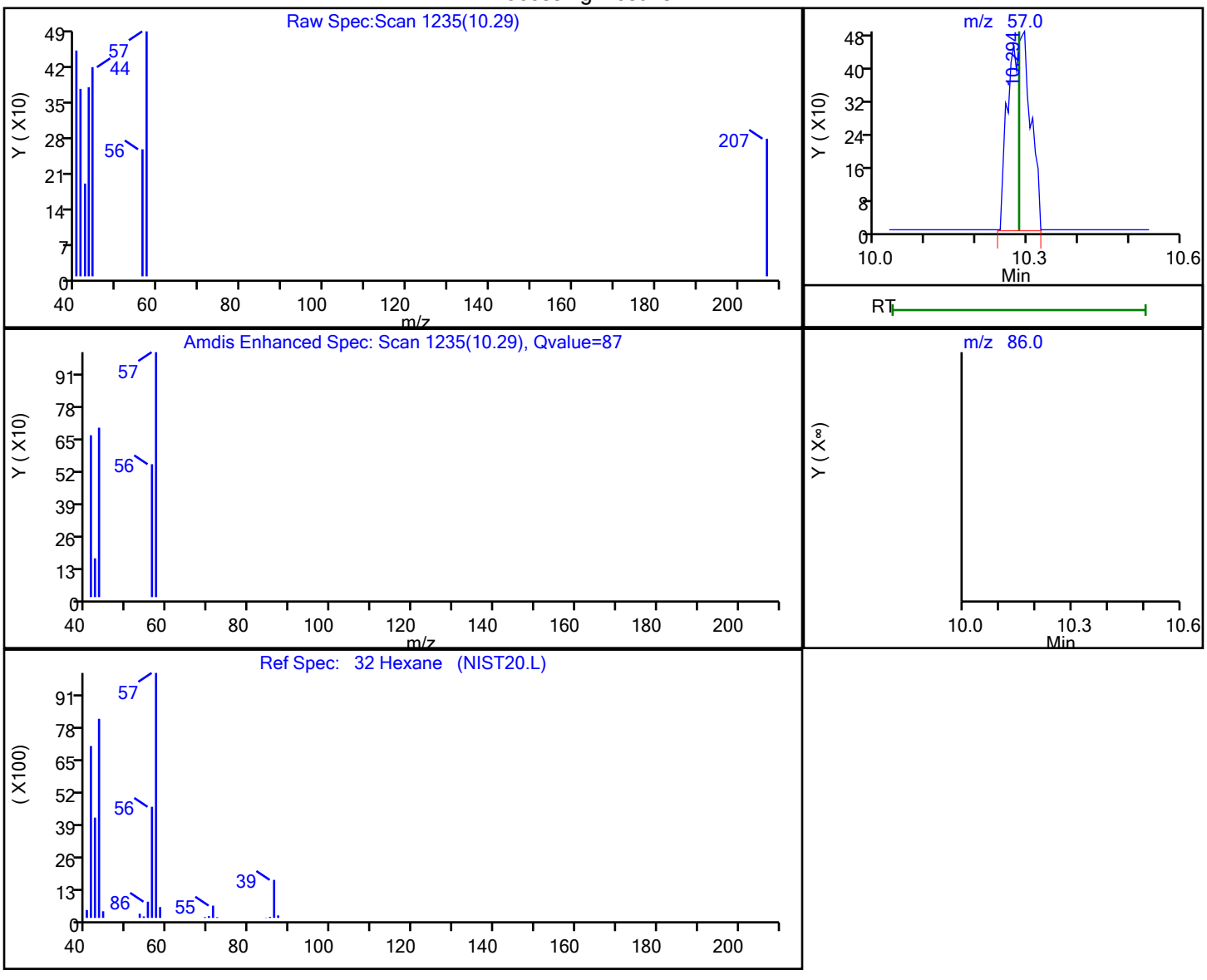
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
10.29	57.00	1480	0.041951
10.28	86.00	0	

Reviewer: YWL8, 23-Aug-2024 14:42:28 07:00:00 (UTC)

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

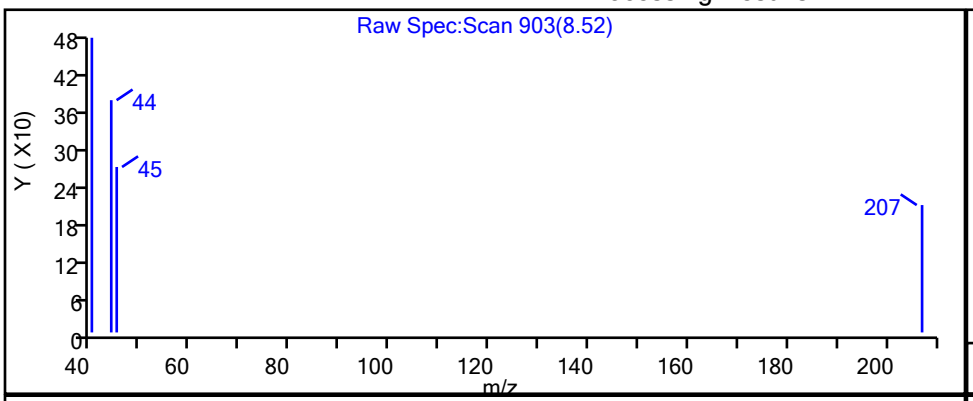
User Disabled Compound Report

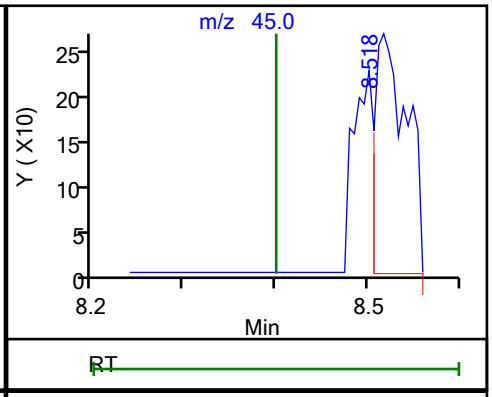
Eurofins Burlington

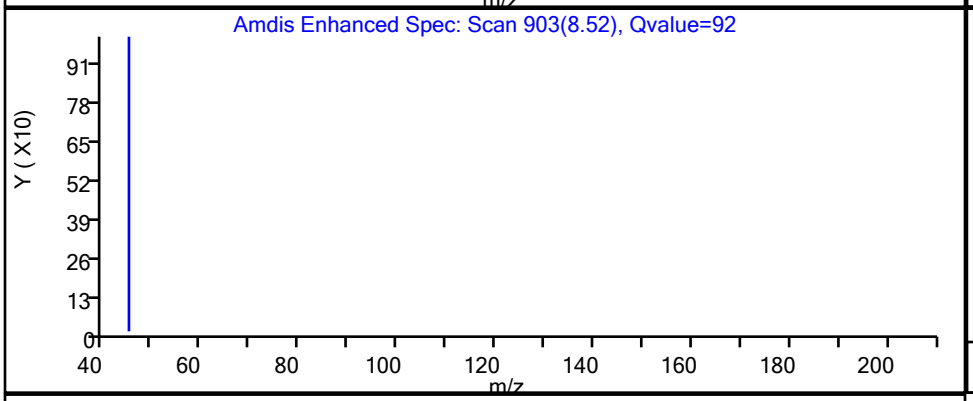
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

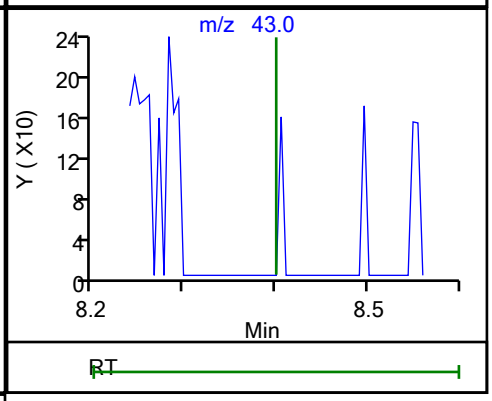
23 Isopropyl alcohol, CAS: 67-63-0

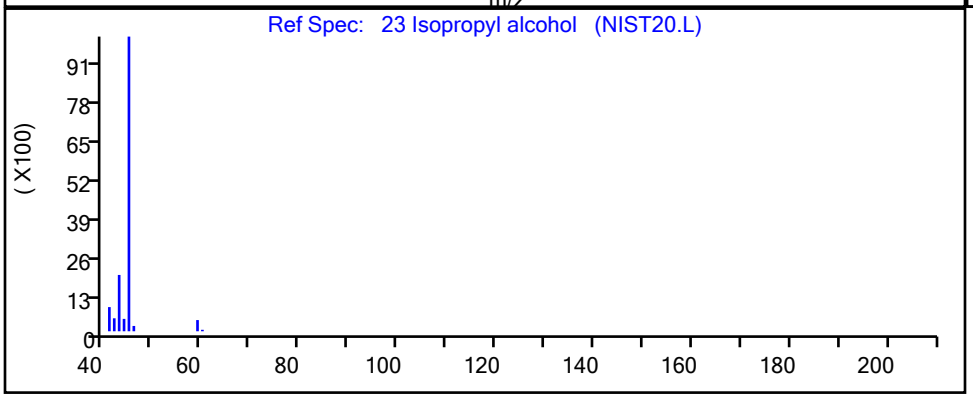
Processing Results











RT	Mass	Response	Amount
8.52	45.00	636	0.023214
8.39	43.00	0	

Reviewer: YWL8, 23-Aug-2024 14:41:54 07:00:00 (UTC)

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

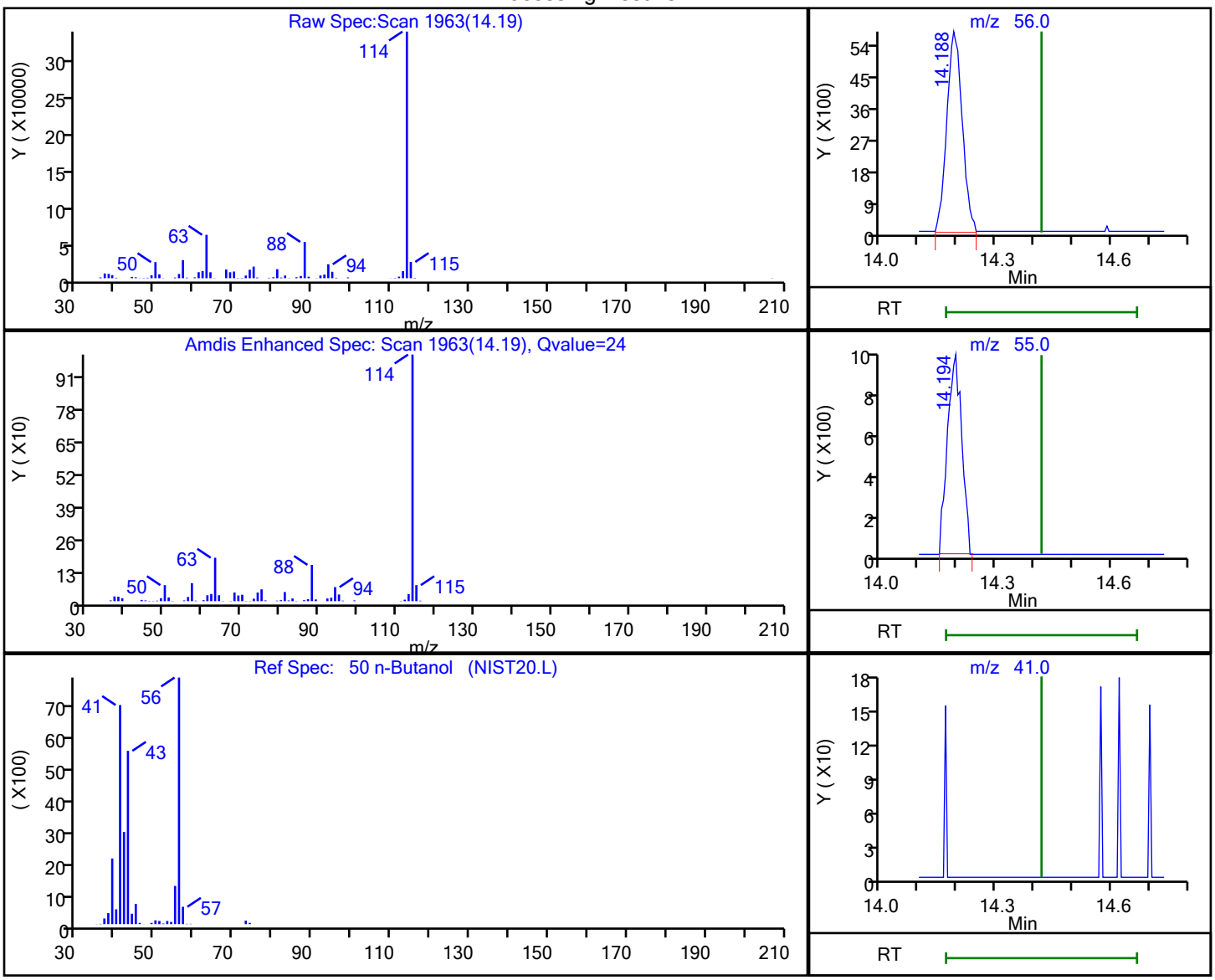
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
14.19	56.00	16001	0.205687
14.19	55.00	2605	
14.42	41.00	0	

Reviewer: YWL8, 23-Aug-2024 14:42:45 07:00:00 (UTC)

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

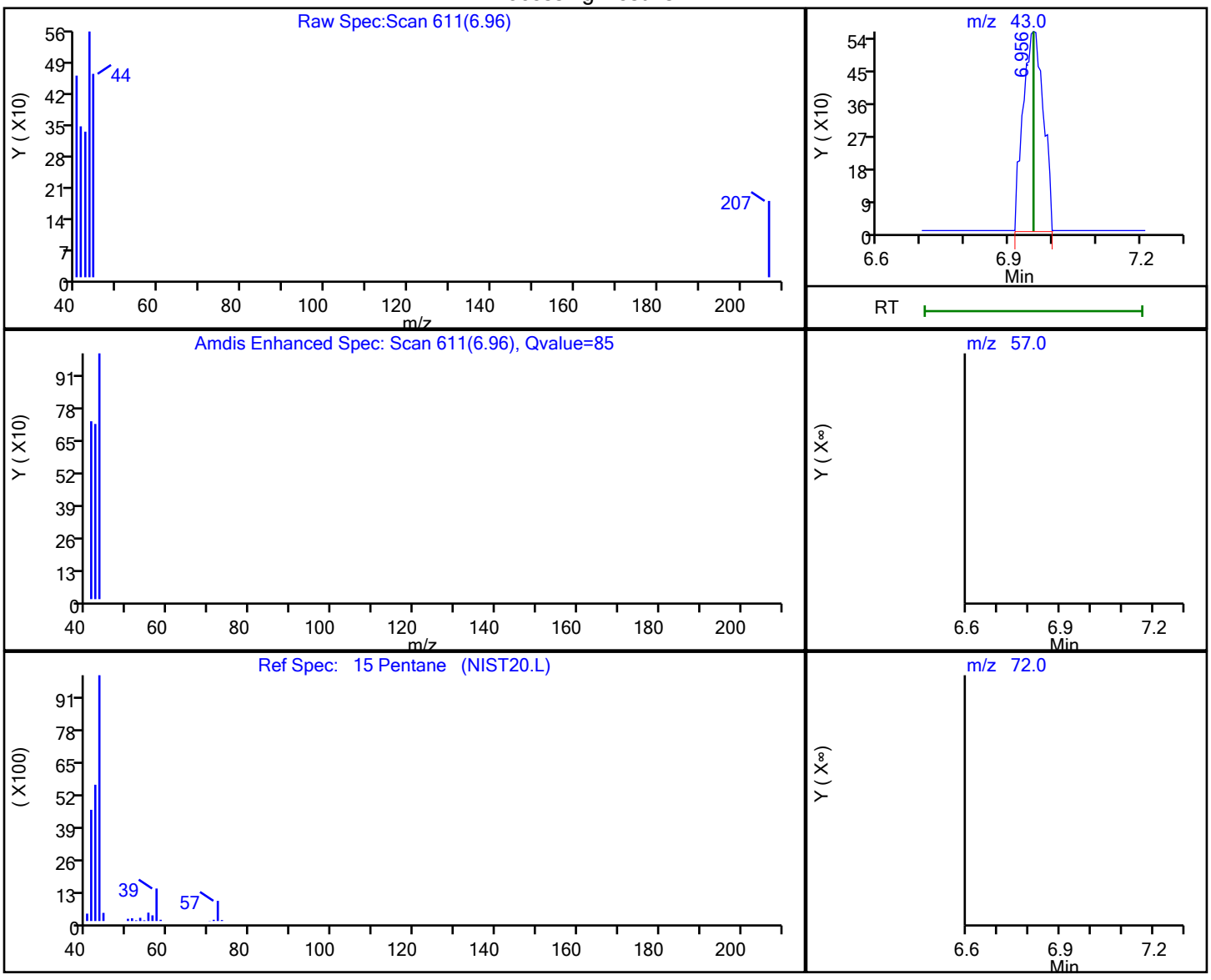
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

15 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
6.96	43.00	1801	0.048386
6.95	57.00	0	
6.95	72.00	0	

Reviewer: YWL8, 23-Aug-2024 14:41:40 07:00:00 (UTC)

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

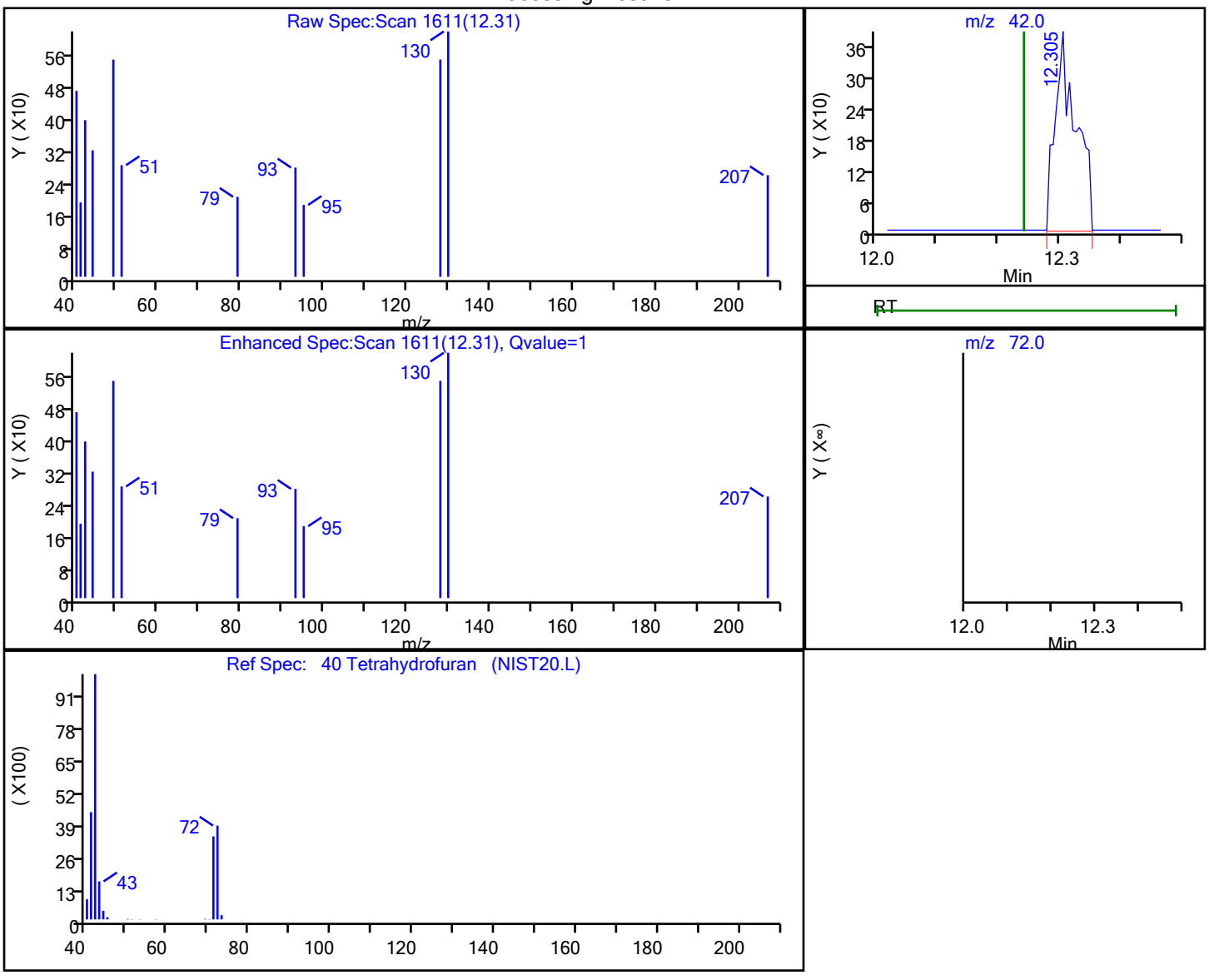
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
12.31	42.00	926	0.038771
12.24	72.00	0	

Reviewer: YWL8, 23-Aug-2024 14:42:36 07:00:00 (UTC)

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

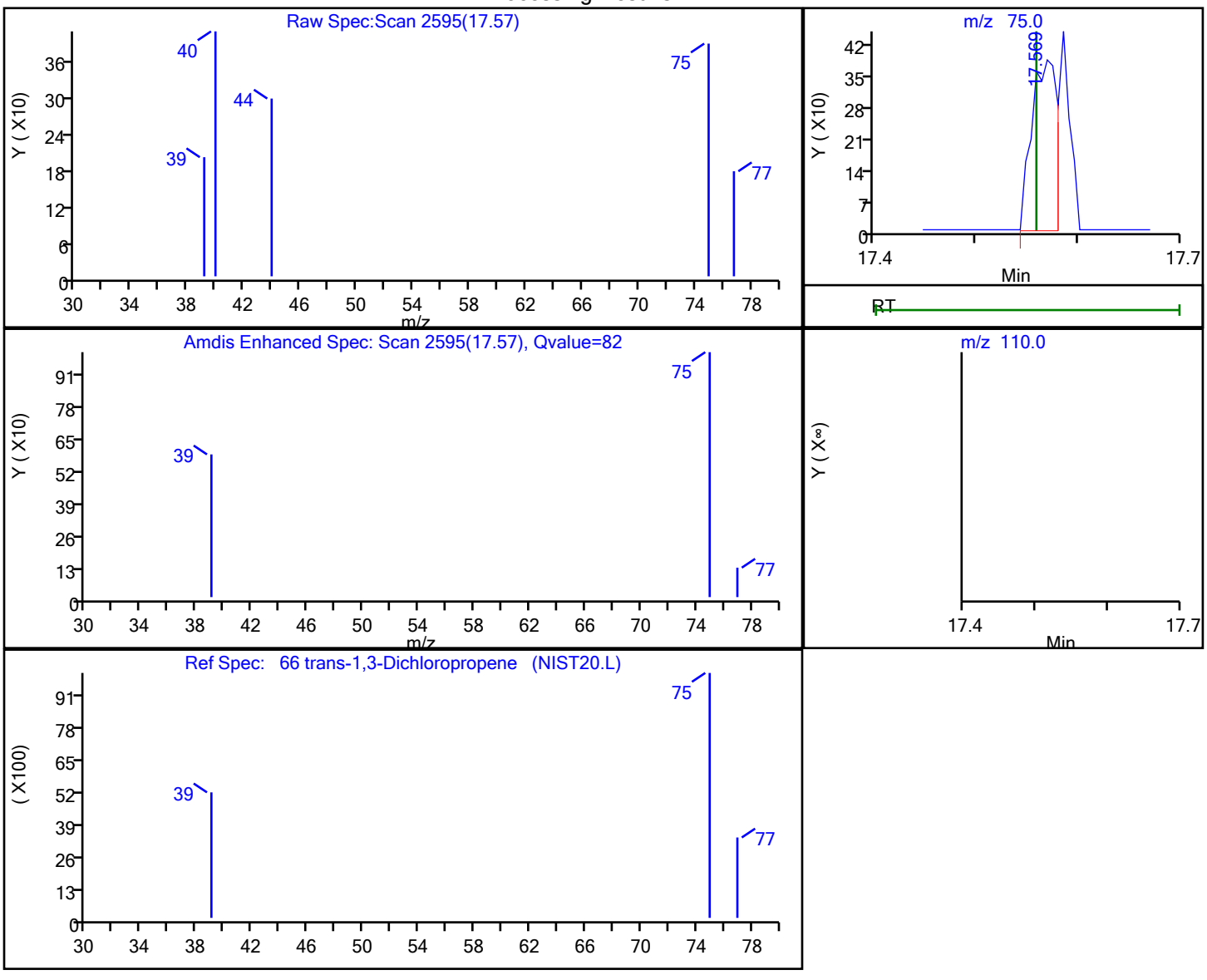
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-04.d				
Injection Date:	22-Aug-2024 17:26:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
17.57	75.00	665	0.020706
17.56	110.00	0	

Reviewer: YWL8, 23-Aug-2024 14:43:21 07:00:00 (UTC)

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

Report Date: 23-Aug-2024 09:46:02 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-05.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Aug-2024 18:20:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061759-005
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Aug-2024 09:46:02 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: YWL8 Date: 23-Aug-2024 14:46:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.051	4.051	0.000	94	3493	0.1704	0.2521	
2 Dichlorodifluoromethane	85	4.136	4.136	0.000	99	11277	0.1704	0.2134	
3 Chlorodifluoromethane	51	4.179	4.179	0.000	95	6177	0.1704	0.2081	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.479	4.479	0.000	91	11532	0.1704	0.2032	
5 Chloromethane	50	4.596	4.596	0.000	97	3529	0.1704	0.2220	
6 Vinyl chloride	62	4.901	4.901	0.000	79	4573	0.1704	0.2024	
7 Butane	43	4.901	4.907	-0.006	97	6792	0.1704	0.2236	
8 Butadiene	54	5.019	5.019	0.000	88	3449	0.1704	0.1975	
9 Bromomethane	94	5.768	5.762	0.006	98	4126	0.1704	0.2033	
10 Chloroethane	64	6.062	6.057	0.005	95	2178	0.1704	0.2097	
12 2-Methylbutane	43	6.292	6.292	0.000	87	4600	0.1704	0.2103	
13 Vinyl bromide	106	6.528	6.527	0.001	96	4021	0.1704	0.1944	
14 Trichlorofluoromethane	101	6.715	6.715	0.000	98	11198	0.1704	0.2011	
15 Pentane	43	6.956	6.955	0.001	93	7030	0.1704	0.2181	
16 Ethanol	45	7.212	7.137	0.075	98	4447	0.3408	0.6002	M
18 Ethyl ether	59	7.491	7.437	0.054	87	2568	0.1704	0.1857	
19 Acrolein	56	7.779	7.715	0.064	90	1045	0.1995	0.1518	
20 1,1-Dichloroethene	96	7.951	7.956	-0.005	97	4424	0.1704	0.1887	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.010	8.004	0.005	82	9727	0.1704	0.1988	
22 Acetone	43	8.116	8.041	0.075	97	12066	0.1704	0.4131	
23 Isopropyl alcohol	45	8.486	8.400	0.086	97	6221	0.1975	0.2179	
24 Carbon disulfide	76	8.454	8.448	0.006	98	13078	0.1704	0.2273	
25 Acetonitrile	41	8.710	8.635	0.075	51	1550	0.1704	0.1220	
26 3-Chloro-1-propene	41	8.791	8.790	0.001	93	6245	0.1704	0.2367	
27 Methylene Chloride	49	9.074	9.069	0.005	85	5859	0.1704	0.2599	
28 2-Methyl-2-propanol	59	9.406	9.331	0.075	96	7208	0.1704	0.1769	
29 Acrylonitrile	53	9.609	9.539	0.070	86	1603	0.1704	0.1240	
30 trans-1,2-Dichloroethene	61	9.679	9.673	0.006	76	5395	0.1704	0.1849	
31 Methyl tert-butyl ether	73	9.754	9.684	0.070	98	12216	0.1704	0.1933	
S 35 1,2-Dichloroethene, Total	61				0		0.3407	0.3764	
32 Hexane	57	10.288	10.283	0.005	91	6459	0.1704	0.1954	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.577	10.577	0.000	98	7607	0.1704	0.1927	
34 Vinyl acetate	43		10.588				ND	ND	
36 2-Butanone (MEK)	72	11.744	11.685	0.059	98	2039	0.1704	0.1838	
37 cis-1,2-Dichloroethene	96	11.722	11.717	0.005	90	5023	0.1704	0.1914	
38 Ethyl acetate	88		11.776				ND	ND	
* 39 Chlorobromomethane	128	12.182	12.177	0.005	82	173245	10.0	10.0	
40 Tetrahydrofuran	42	12.289	12.241	0.048	84	4303	0.1704	0.1899	
41 Chloroform	83	12.370	12.369	0.001	95	9455	0.1704	0.2006	
42 1,1,1-Trichloroethane	97	12.717	12.722	-0.005	98	9848	0.1704	0.1968	
43 Cyclohexane	84	12.883	12.883	0.000	92	6607	0.1704	0.1960	
44 Carbon tetrachloride	117	13.033	13.033	0.000	96	9271	0.1704	0.1809	
45 Benzene	78	13.413	13.407	0.006	96	14680	0.1704	0.1995	
46 1,2-Dichloroethane	62	13.488	13.482	0.006	93	5761	0.1704	0.1874	
47 Isooctane	57	13.637	13.637	0.000	97	20632	0.1704	0.1904	
48 n-Heptane	43	13.964	13.964	0.000	87	7344	0.1704	0.1945	
* 49 1,4-Difluorobenzene	114	14.194	14.194	0.000	93	917179	10.0	10.0	
50 n-Butanol	56	14.477	14.418	0.059	88	3926	0.1704	0.2672	
51 Trichloroethene	95	14.659	14.664	-0.005	98	6360	0.1704	0.1845	
53 1,2-Dichloropropane	63	15.157	15.146	0.011	72	4927	0.1704	0.1925	
54 Methyl methacrylate	69	15.248	15.221	0.027	96	3971	0.1704	0.1588	
55 1,4-Dioxane	88	15.365	15.290	0.075	93	3319	0.1704	0.2024	
57 Dibromomethane	174	15.317	15.317	0.000	89	7265	0.1704	0.1989	
58 Dichlorobromomethane	83	15.633	15.633	0.000	98	9278	0.1704	0.1819	
59 cis-1,3-Dichloropropene	75	16.478	16.473	0.005	93	7393	0.1704	0.1695	
61 4-Methyl-2-pentanone (MIBK)	43	16.767	16.735	0.032	95	9044	0.1704	0.1911	
62 Toluene	92	17.152	17.147	0.005	94	10562	0.1704	0.1934	
A 63 Toluene Range	1	17.173	(17.077-17.259)		0	39178	NC	NC	
64 n-Octane	43	17.388	17.387	0.001	83	9729	0.1704	0.1849	
A 65 C8 Range	1	17.420	(17.312-17.559)		0	40960	NC	NC	
66 trans-1,3-Dichloropropene	75	17.564	17.559	0.005	95	5412	0.1704	0.1588	
67 1,1,2-Trichloroethane	83	17.955	17.954	0.001	95	4698	0.1704	0.1894	
68 Tetrachloroethene	166	18.190	18.184	0.006	97	10181	0.1704	0.1940	
69 2-Hexanone	43	18.399	18.361	0.038	96	7823	0.1704	0.1736	
70 Chlorodibromomethane	129	18.730	18.725	0.005	95	8437	0.1704	0.1584	
71 Ethylene Dibromide	107	18.987	18.982	0.005	98	8652	0.1704	0.1829	
* 73 Chlorobenzene-d5	117	19.913	19.912	0.001	85	803955	10.0	10.0	
74 Chlorobenzene	112	19.977	19.971	0.006	97	15280	0.1704	0.1981	
S 80 Xylenes, Total	106				0		0.5111	0.5548	
75 Ethylbenzene	91	20.159	20.153	0.006	98	22949	0.1704	0.1895	
76 m-Xylene & p-Xylene	106	20.410	20.405	0.005	0	18256	0.3407	0.3711	
77 n-Nonane	57	20.448	20.442	0.006	84	9085	0.1704	0.1758	
78 o-Xylene	106	21.122	21.116	0.006	97	8584	0.1704	0.1837	
79 Styrene	104	21.154	21.148	0.006	96	12430	0.1704	0.1663	
81 Bromoform	173	21.469	21.469	0.000	95	6684	0.1704	0.1280	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	25282	0.1704	0.1808	
83 1,1,2,2-Tetrachloroethane	83	22.202	22.197	0.005	99	12173	0.1704	0.1926	
84 1,2,3-Trichloropropane	75	22.299	22.298	0.001	96	10823	0.1704	0.2137	
85 N-Propylbenzene	91	22.395	22.395	0.000	99	29966	0.1704	0.1853	
86 2-Chlorotoluene	91	22.545	22.544	0.001	97	21451	0.1704	0.1900	
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	24353	0.1704	0.1783	
88 1,3,5-Trimethylbenzene	105	22.662	22.657	0.005	94	21691	0.1704	0.1846	
89 n-Decane	57	22.668	22.668	0.000	94	9961	0.1704	0.1549	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.973	22.972	0.001	92	9790	0.1704	0.1605	
91 tert-Butylbenzene	119	23.122	23.122	0.000	95	21535	0.1704	0.1827	
92 1,2,4-Trimethylbenzene	105	23.203	23.203	0.001	96	21200	0.1704	0.1818	
93 sec-Butylbenzene	105	23.443	23.438	0.005	98	31510	0.1704	0.1827	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	96	14961	0.1704	0.1823	
95 4-Isopropyltoluene	119	23.657	23.652	0.005	97	26407	0.1704	0.1736	
96 1,4-Dichlorobenzene	146	23.786	23.780	0.006	95	14193	0.1704	0.1787	
97 Benzyl chloride	91	23.936	23.930	0.006	99	13923	0.1704	0.1493	
98 n-Butylbenzene	91	24.257	24.256	0.001	97	23090	0.1704	0.1752	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	97	15063	0.1704	0.1874	
100 Undecane	57	24.390	24.385	0.005	92	10430	0.1704	0.1439	
101 Dodecane	57	26.140	26.134	0.006	89	8364	0.1704	0.1382	
102 1,2,4-Trichlorobenzene	180	27.038	27.033	0.005	93	10572	0.1998	0.1975	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	97	13756	0.1915	0.2163	
104 Naphthalene	128	27.595	27.589	0.006	99	22783	0.2026	0.2075	
105 1,2,3-Trichlorobenzene	180	28.055	28.065	-0.010	93	10886	0.1985	0.2178	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL1w_00271	Amount Added: 170.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

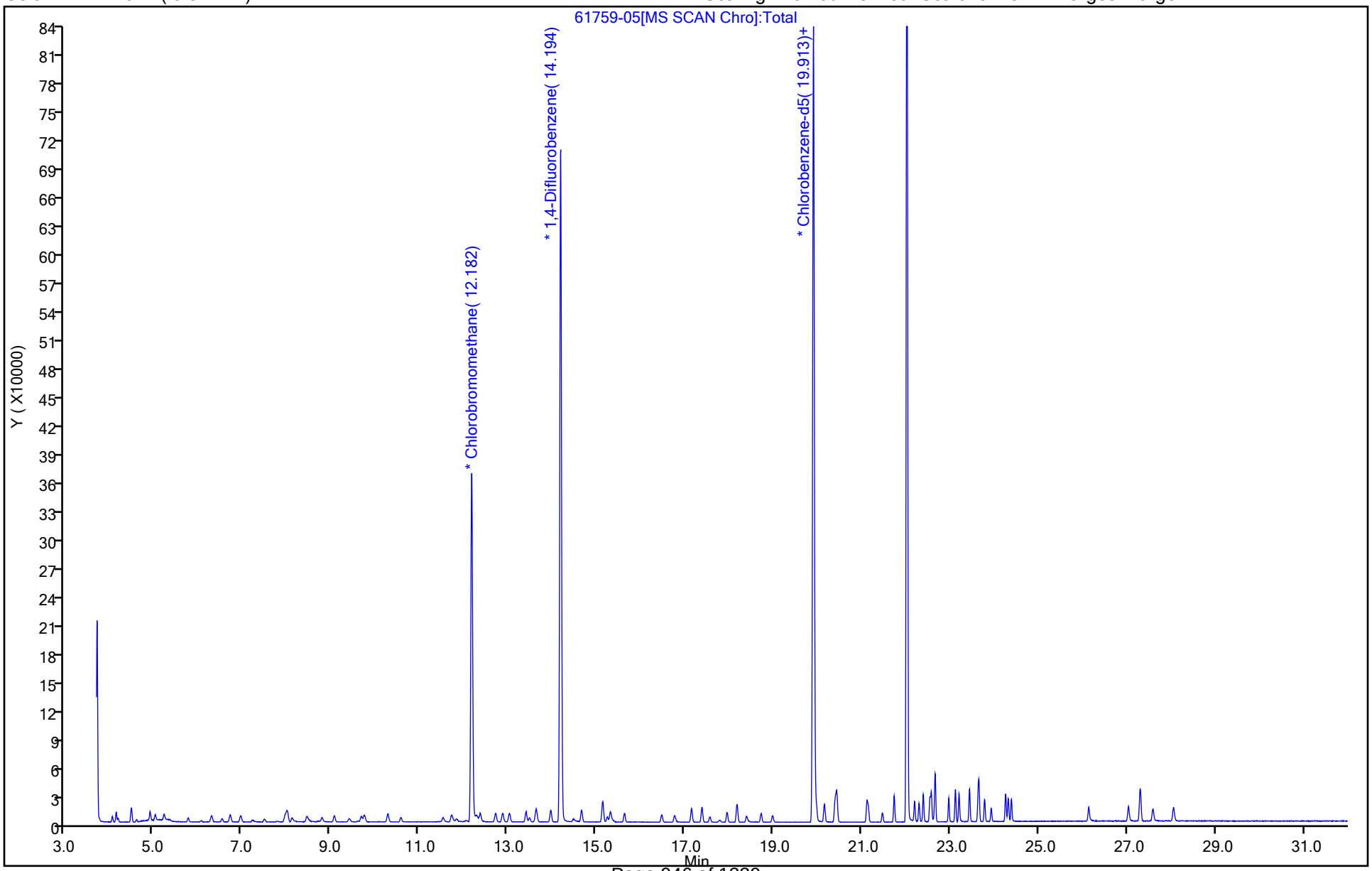
Report Date: 23-Aug-2024 09:46:02 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-05.d

Injection Date:	22-Aug-2024 18:20:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

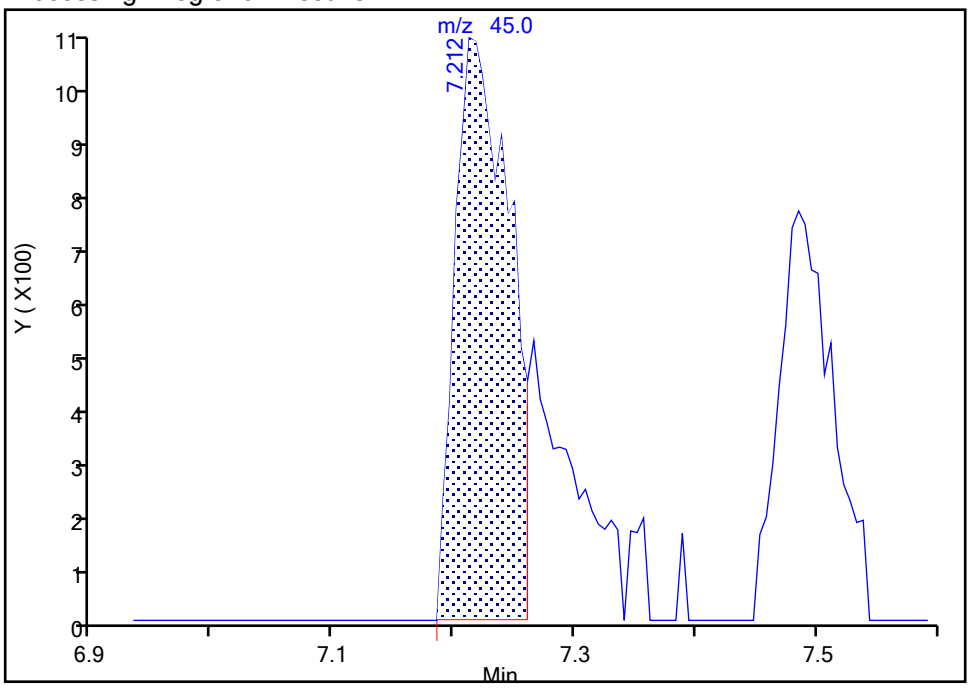
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-05.d				
Injection Date:	22-Aug-2024 18:20:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

16 Ethanol, CAS: 64-17-5

Signal: 1

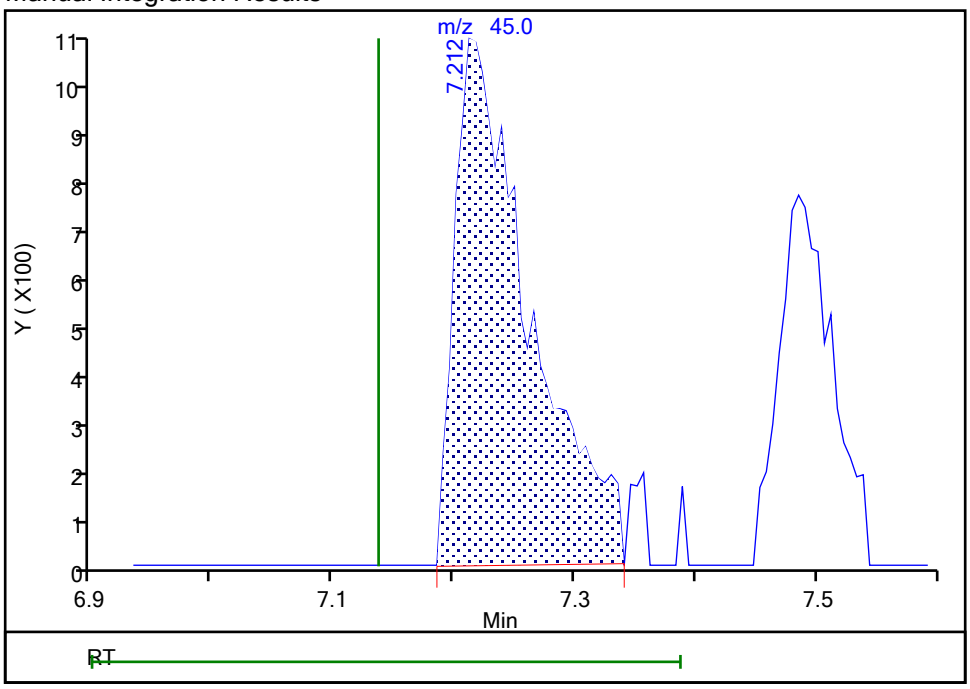
Processing Integration Results

RT: 7.21
Area: 3255
Amount: 0.421061
Amount Units: ppb v/v



Manual Integration Results

RT: 7.21
Area: 4447
Amount: 0.600155
Amount Units: ppb v/v



Reviewer: YWL8, 23-Aug-2024 14:45:22 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Report Date: 23-Aug-2024 09:46:07 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-07.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Aug-2024 20:10:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061759-007
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Aug-2024 09:46:07 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: YWL8 Date: 23-Aug-2024 14:47:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.056	4.051	0.005	97	6829	0.4254	0.4750	
2 Dichlorodifluoromethane	85	4.142	4.136	0.006	99	24138	0.4254	0.4402	
3 Chlorodifluoromethane	51	4.184	4.179	0.005	97	13655	0.4254	0.4434	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.484	4.479	0.005	90	24165	0.4254	0.4104	
5 Chloromethane	50	4.607	4.596	0.011	98	7259	0.4254	0.4401	
6 Vinyl chloride	62	4.907	4.901	0.006	77	9479	0.4254	0.4042	
7 Butane	43	4.912	4.907	0.005	97	13514	0.4254	0.4287	
8 Butadiene	54	5.030	5.019	0.011	90	7290	0.4254	0.4023	
9 Bromomethane	94	5.773	5.762	0.011	98	8484	0.4254	0.4028	
10 Chloroethane	64	6.073	6.057	0.016	98	4409	0.4254	0.4092	
12 2-Methylbutane	43	6.298	6.292	0.006	90	9511	0.4254	0.4190	
13 Vinyl bromide	106	6.533	6.527	0.006	96	8587	0.4254	0.4001	
14 Trichlorofluoromethane	101	6.720	6.715	0.005	98	23882	0.4254	0.4134	
15 Pentane	43	6.961	6.955	0.006	95	14427	0.4254	0.4315	
16 Ethanol	45	7.186	7.137	0.049	98	30533	4.26	3.97	
18 Ethyl ether	59	7.480	7.437	0.043	90	5582	0.4254	0.3890	
19 Acrolein	56	7.774	7.715	0.059	92	2654	0.4981	0.3715	
20 1,1-Dichloroethene	96	7.956	7.956	0.000	98	9671	0.4254	0.3975	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.004	8.004	0.000	97	20645	0.4254	0.4067	
22 Acetone	43	8.106	8.041	0.065	98	18284	0.4254	0.6032	
23 Isopropyl alcohol	45	8.475	8.400	0.075	98	12998	0.4930	0.4387	
24 Carbon disulfide	76	8.448	8.448	0.000	100	25038	0.4254	0.4193	
25 Acetonitrile	41	8.700	8.635	0.065	97	4392	0.4254	0.3333	
26 3-Chloro-1-propene	41	8.796	8.790	0.006	98	11851	0.4254	0.4329	
27 Methylene Chloride	49	9.074	9.069	0.005	90	11111	0.4254	0.4749	
28 2-Methyl-2-propanol	59	9.406	9.331	0.075	97	15412	0.4254	0.3645	
29 Acrylonitrile	53	9.598	9.539	0.059	93	5307	0.4254	0.3957	M
30 trans-1,2-Dichloroethene	61	9.679	9.673	0.005	95	11149	0.4254	0.3683	
31 Methyl tert-butyl ether	73	9.743	9.684	0.059	97	25015	0.4254	0.3815	
S 35 1,2-Dichloroethene, Total	61				0		0.8508	0.7552	
32 Hexane	57	10.288	10.283	0.005	91	13859	0.4254	0.4041	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.583	10.577	0.006	99	16348	0.4254	0.3990	
34 Vinyl acetate	43		10.588				ND	ND	
36 2-Butanone (MEK)	72	11.744	11.685	0.059	97	4267	0.4254	0.3708	
37 cis-1,2-Dichloroethene	96	11.727	11.717	0.010	90	10534	0.4254	0.3869	
38 Ethyl acetate	88	11.824	11.776	0.048	99	610	0.4254	0.2696	
* 39 Chlorobromomethane	128	12.182	12.177	0.005	82	179765	10.0	10.0	
40 Tetrahydrofuran	42	12.295	12.241	0.054	91	9493	0.4254	0.4021	
41 Chloroform	83	12.375	12.369	0.006	96	19431	0.4254	0.3973	
42 1,1,1-Trichloroethane	97	12.722	12.722	0.000	99	20309	0.4254	0.3896	
43 Cyclohexane	84	12.883	12.883	0.000	96	13739	0.4254	0.3911	
44 Carbon tetrachloride	117	13.038	13.033	0.005	97	20190	0.4254	0.3781	
45 Benzene	78	13.407	13.407	0.000	95	30399	0.4254	0.3965	
46 1,2-Dichloroethane	62	13.488	13.482	0.006	92	12496	0.4254	0.3902	
47 Isooctane	57	13.643	13.637	0.006	98	43534	0.4254	0.3855	
48 n-Heptane	43	13.969	13.964	0.005	89	15165	0.4254	0.3855	
* 49 1,4-Difluorobenzene	114	14.194	14.194	0.000	93	955602	10.0	10.0	
50 n-Butanol	56	14.472	14.418	0.054	87	3153	0.4254	0.2059	
51 Trichloroethene	95	14.664	14.664	0.000	97	13581	0.4254	0.3781	
53 1,2-Dichloropropane	63	15.151	15.146	0.005	71	10258	0.4254	0.3848	
54 Methyl methacrylate	69	15.237	15.221	0.016	93	8862	0.4254	0.3401	
55 1,4-Dioxane	88	15.349	15.290	0.059	91	6163	0.4254	0.3608	
57 Dibromomethane	174	15.317	15.317	0.000	91	14495	0.4254	0.3809	
58 Dichlorobromomethane	83	15.643	15.633	0.010	100	19744	0.4254	0.3715	
59 cis-1,3-Dichloropropene	75	16.478	16.473	0.005	93	16178	0.4254	0.3560	
61 4-Methyl-2-pentanone (MIBK)	43	16.767	16.735	0.032	96	16947	0.4254	0.3437	
62 Toluene	92	17.152	17.147	0.005	94	22018	0.4254	0.3874	
A 63 Toluene Range	1	17.173	(17.077-17.259)		0	84209	NC	NC	
64 n-Octane	43	17.393	17.387	0.006	86	20605	0.4254	0.3758	
A 65 C8 Range	1	17.420	(17.312-17.559)		0	85088	NC	NC	
66 trans-1,3-Dichloropropene	75	17.564	17.559	0.005	98	11912	0.4254	0.3355	
67 1,1,2-Trichloroethane	83	17.949	17.954	-0.005	97	9972	0.4254	0.3863	
68 Tetrachloroethene	166	18.179	18.184	-0.005	96	21255	0.4254	0.3891	
69 2-Hexanone	43	18.393	18.361	0.032	95	15168	0.4254	0.3234	
70 Chlorodibromomethane	129	18.730	18.725	0.005	98	19692	0.4254	0.3553	
71 Ethylene Dibromide	107	18.987	18.982	0.005	99	18079	0.4254	0.3671	
* 73 Chlorobenzene-d5	117	19.913	19.912	0.000	85	836878	10.0	10.0	
74 Chlorobenzene	112	19.977	19.971	0.006	97	31338	0.4254	0.3903	
S 80 Xylenes, Total	106				0		1.28	1.13	
75 Ethylbenzene	91	20.159	20.153	0.006	98	48388	0.4254	0.3839	
76 m-Xylene & p-Xylene	106	20.410	20.405	0.005	0	38669	0.8508	0.7551	
77 n-Nonane	57	20.447	20.442	0.005	85	19705	0.4254	0.3663	
78 o-Xylene	106	21.116	21.116	0.000	98	18250	0.4254	0.3751	
79 Styrene	104	21.148	21.148	0.000	98	26888	0.4254	0.3456	
81 Bromoform	173	21.469	21.469	0.000	97	18077	0.4254	0.3326	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	53600	0.4254	0.3682	
83 1,1,2,2-Tetrachloroethane	83	22.197	22.197	0.000	99	26175	0.4254	0.3979	
84 1,2,3-Trichloropropane	75	22.304	22.298	0.006	96	21177	0.4254	0.4017	
85 N-Propylbenzene	91	22.395	22.395	0.000	100	62075	0.4254	0.3687	
86 2-Chlorotoluene	91	22.545	22.544	0.001	96	44333	0.4254	0.3772	
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	51036	0.4254	0.3589	
88 1,3,5-Trimethylbenzene	105	22.662	22.657	0.005	93	44566	0.4254	0.3644	
89 n-Decane	57	22.668	22.668	0.000	93	20817	0.4254	0.3109	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.973	22.972	0.001	91	20966	0.4254	0.3303	
91 tert-Butylbenzene	119	23.122	23.122	0.000	96	45300	0.4254	0.3692	
92 1,2,4-Trimethylbenzene	105	23.203	23.203	0.001	97	43834	0.4254	0.3612	
93 sec-Butylbenzene	105	23.443	23.438	0.005	99	64952	0.4254	0.3619	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	96	31071	0.4254	0.3638	
95 4-Isopropyltoluene	119	23.657	23.652	0.005	98	55425	0.4254	0.3501	
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	96	30037	0.4254	0.3633	
97 Benzyl chloride	91	23.930	23.930	0.000	99	30173	0.4254	0.3108	
98 n-Butylbenzene	91	24.256	24.256	0.000	98	48290	0.4254	0.3519	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	98	31012	0.4254	0.3706	
100 Undecane	57	24.390	24.385	0.005	92	24005	0.4254	0.3182	
101 Dodecane	57	26.140	26.134	0.006	93	20035	0.4254	0.3180	
102 1,2,4-Trichlorobenzene	180	27.038	27.033	0.005	94	23104	0.4990	0.4147	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	97	28181	0.4781	0.4257	
104 Naphthalene	128	27.589	27.589	0.000	99	46626	0.5058	0.4079	
105 1,2,3-Trichlorobenzene	180	28.060	28.065	-0.005	95	22395	0.4956	0.4304	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL2w_00351	Amount Added: 170.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

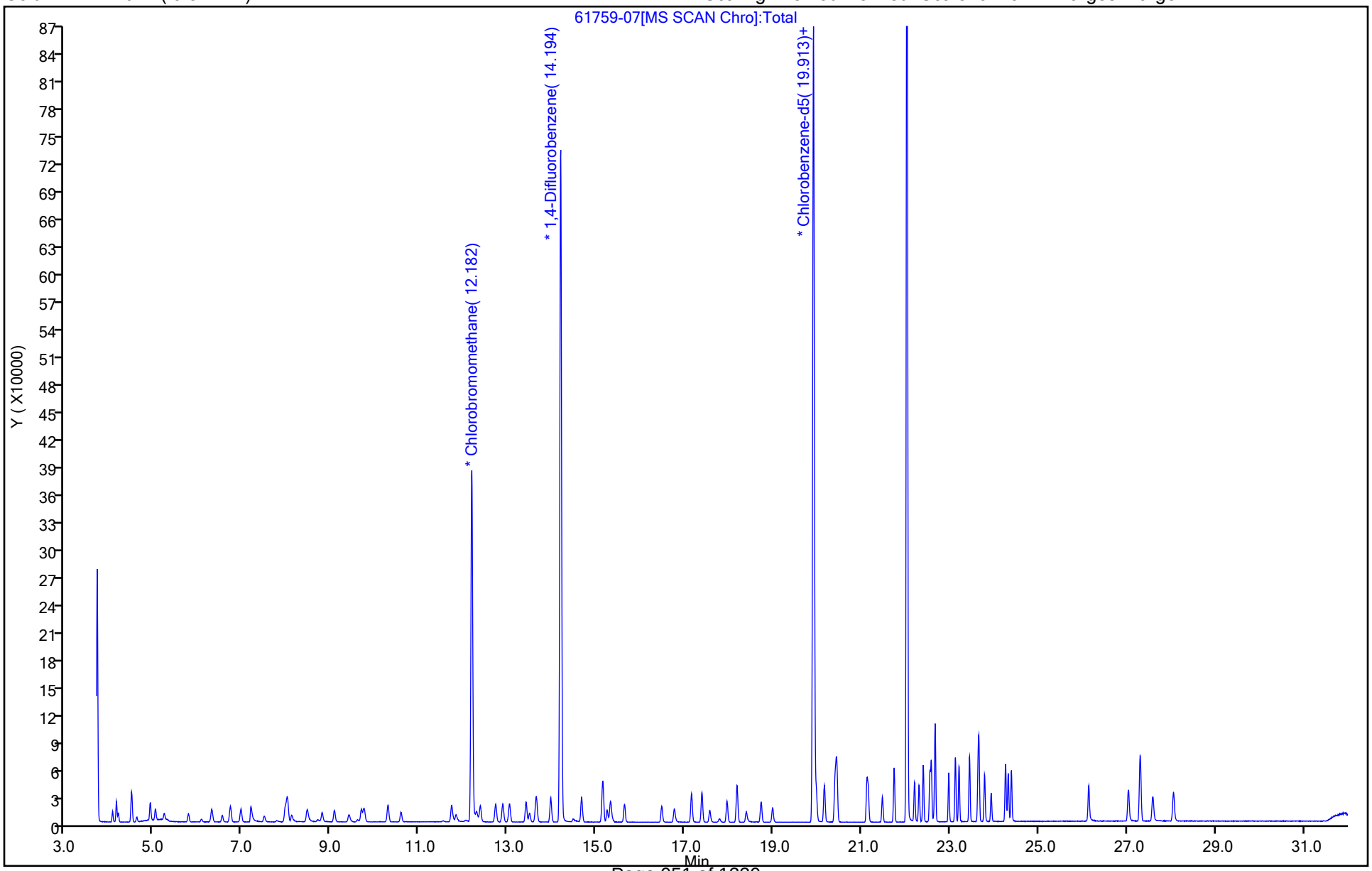
Report Date: 23-Aug-2024 09:46:08 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-07.d

Injection Date:	22-Aug-2024 20:10:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

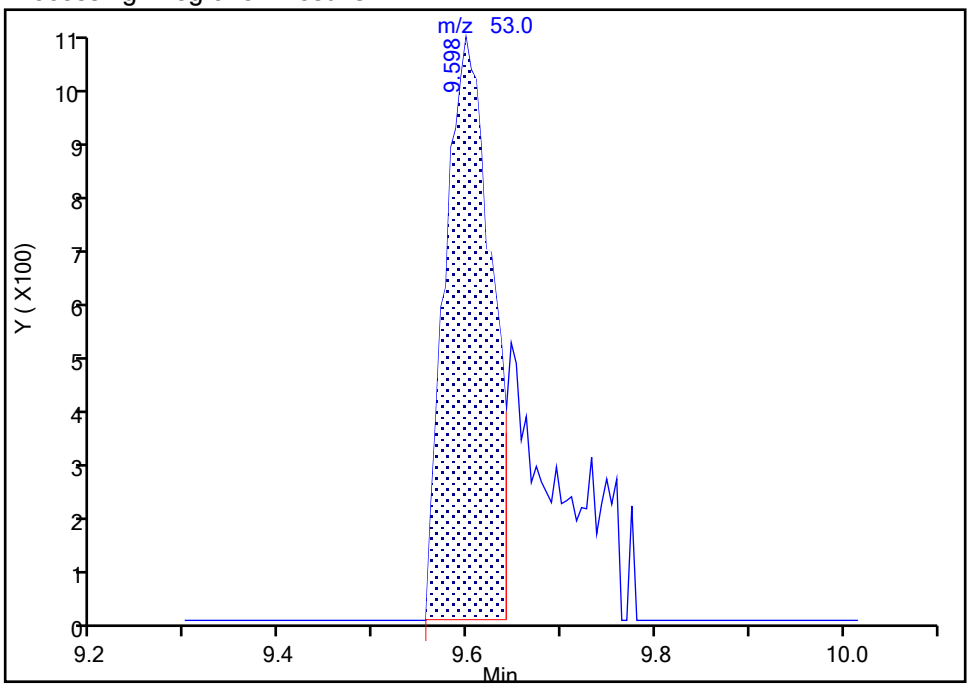
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-07.d				
Injection Date:	22-Aug-2024 20:10:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

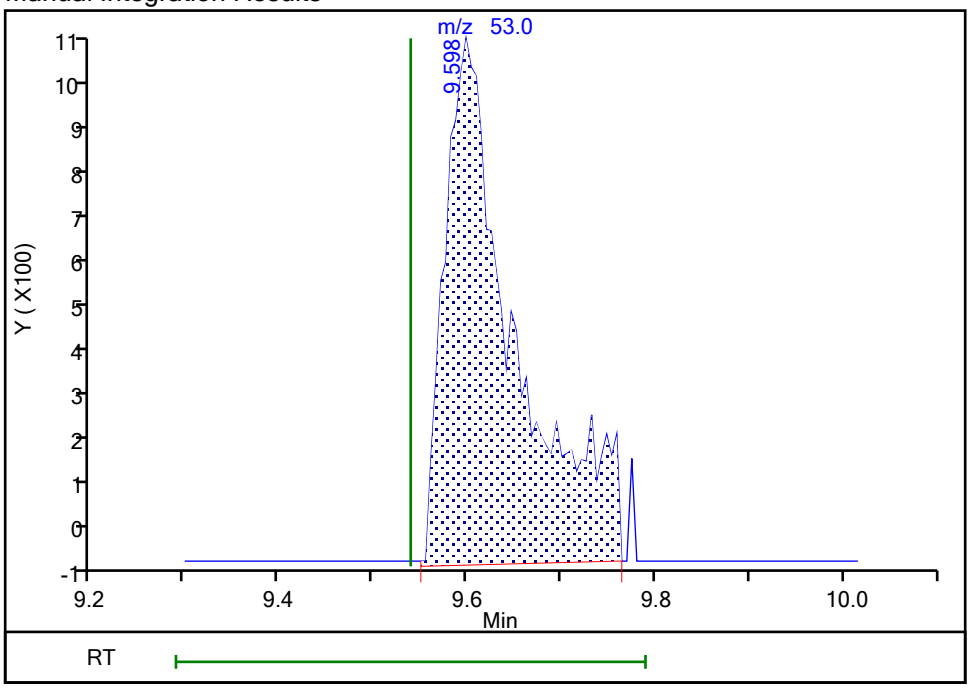
Processing Integration Results

RT: 9.60
Area: 3461
Amount: 0.288698
Amount Units: ppb v/v



Manual Integration Results

RT: 9.60
Area: 5307
Amount: 0.395675
Amount Units: ppb v/v



Reviewer: YWL8, 23-Aug-2024 14:47:23 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-09.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Aug-2024 21:58:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061759-009
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Aug-2024 09:45:49 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: BKZ7 Date: 23-Aug-2024 09:45:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.050	4.051	-0.001	98	62469	4.24	4.39	
2 Dichlorodifluoromethane	85	4.136	4.136	0.000	99	239933	4.24	4.42	
3 Chlorodifluoromethane	51	4.179	4.179	0.000	97	132942	4.24	4.36	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.478	4.479	-0.001	92	246542	4.24	4.23	
5 Chloromethane	50	4.596	4.596	0.000	99	71512	4.24	4.38	
6 Vinyl chloride	62	4.901	4.901	0.000	99	96504	4.24	4.15	
7 Butane	43	4.906	4.907	-0.001	98	137165	4.24	4.39	
8 Butadiene	54	5.019	5.019	0.000	92	72383	4.24	4.03	
9 Bromomethane	94	5.768	5.762	0.006	98	89001	4.24	4.27	
10 Chloroethane	64	6.062	6.057	0.005	99	46651	4.24	4.37	
12 2-Methylbutane	43	6.297	6.292	0.005	91	93539	4.24	4.16	
13 Vinyl bromide	106	6.533	6.527	0.006	98	89258	4.24	4.20	
14 Trichlorofluoromethane	101	6.720	6.715	0.005	98	241316	4.24	4.22	
15 Pentane	43	6.955	6.955	0.000	96	142307	4.24	4.30	
16 Ethanol	45	7.159	7.137	0.022	98	63213	8.49	8.30	
18 Ethyl ether	59	7.453	7.437	0.016	90	60154	4.24	4.23	
19 Acrolein	56	7.726	7.715	0.011	96	33713	4.97	4.76	
20 1,1-Dichloroethene	96	7.956	7.956	0.000	98	98437	4.24	4.08	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.004	8.004	0.000	97	211858	4.24	4.21	
22 Acetone	43	8.057	8.041	0.016	98	124895	4.24	4.16	
23 Isopropyl alcohol	45	8.421	8.400	0.021	99	145380	4.92	4.95	
24 Carbon disulfide	76	8.448	8.448	0.000	100	247982	4.24	4.19	
25 Acetonitrile	41	8.651	8.635	0.016	98	52400	4.24	4.01	
26 3-Chloro-1-propene	41	8.790	8.790	0.000	99	106971	4.24	3.94	
27 Methylene Chloride	49	9.068	9.069	-0.001	90	98737	4.24	4.26	
28 2-Methyl-2-propanol	59	9.357	9.331	0.026	98	178655	4.24	4.26	
29 Acrylonitrile	53	9.555	9.539	0.016	93	54271	4.24	4.08	
30 trans-1,2-Dichloroethene	61	9.678	9.673	0.005	96	124384	4.24	4.15	
31 Methyl tert-butyl ether	73	9.705	9.684	0.021	97	269996	4.24	4.16	
S 35 1,2-Dichloroethene, Total	61				0		8.49	8.24	
32 Hexane	57	10.283	10.283	0.000	92	141822	4.24	4.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.577	10.577	0.000	100	169861	4.24	4.19	
34 Vinyl acetate	43	10.599	10.588	0.010	99	62604	4.83	2.46	
36 2-Butanone (MEK)	72	11.690	11.685	0.005	98	50220	4.24	4.40	
37 cis-1,2-Dichloroethene	96	11.717	11.717	0.000	90	110244	4.24	4.09	
38 Ethyl acetate	88	11.786	11.776	0.010	99	9091	4.24	4.06	
* 39 Chlorobromomethane	128	12.182	12.177	0.005	83	178090	10.0	10.0	
40 Tetrahydrofuran	42	12.252	12.241	0.011	89	99144	4.24	4.25	
41 Chloroform	83	12.375	12.369	0.006	96	204149	4.24	4.21	
42 1,1,1-Trichloroethane	97	12.722	12.722	0.000	98	214351	4.24	4.17	
43 Cyclohexane	84	12.883	12.883	0.000	96	142514	4.24	4.11	
44 Carbon tetrachloride	117	13.038	13.033	0.005	98	221051	4.24	4.19	
45 Benzene	78	13.407	13.407	0.000	95	314040	4.24	4.15	
46 1,2-Dichloroethane	62	13.482	13.482	0.000	92	133145	4.24	4.21	
47 Isooctane	57	13.637	13.637	0.000	99	465198	4.24	4.17	
48 n-Heptane	43	13.969	13.964	0.005	89	161885	4.24	4.17	
* 49 1,4-Difluorobenzene	114	14.194	14.194	0.000	93	943239	10.0	10.0	
50 n-Butanol	56	14.434	14.418	0.016	89	60989	4.24	4.04	
51 Trichloroethene	95	14.664	14.664	0.000	98	148829	4.24	4.20	
53 1,2-Dichloropropane	63	15.146	15.146	0.000	91	110013	4.24	4.18	
54 Methyl methacrylate	69	15.226	15.221	0.005	98	107794	4.24	4.19	
55 1,4-Dioxane	88	15.306	15.290	0.016	92	79869	4.24	4.74	
57 Dibromomethane	174	15.317	15.317	0.000	92	156080	4.24	4.16	
58 Dichlorobromomethane	83	15.633	15.633	0.000	98	218752	4.24	4.17	
59 cis-1,3-Dichloropropene	75	16.472	16.473	-0.001	93	187149	4.24	4.17	
61 4-Methyl-2-pentanone (MIBK)	43	16.745	16.735	0.010	97	220400	4.24	4.53	
62 Toluene	92	17.147	17.147	0.000	93	235221	4.24	4.15	
A 63 Toluene Range	1	17.173	(17.077-17.259)		0	930635	NC	NC	
64 n-Octane	43	17.387	17.387	0.000	89	227457	4.24	4.20	
A 65 C8 Range	1	17.420	(17.312-17.559)		0	961427	NC	NC	
66 trans-1,3-Dichloropropene	75	17.558	17.559	-0.001	98	146163	4.24	4.17	
67 1,1,2-Trichloroethane	83	17.954	17.954	0.000	96	108068	4.24	4.20	
68 Tetrachloroethene	166	18.184	18.184	0.000	97	222429	4.24	4.09	
69 2-Hexanone	43	18.372	18.361	0.011	96	228950	4.24	4.90	
70 Chlorodibromomethane	129	18.725	18.725	0.000	98	230517	4.24	4.17	
71 Ethylene Dibromide	107	18.982	18.982	0.000	99	204935	4.24	4.18	
* 73 Chlorobenzene-d5	117	19.912	19.912	0.000	85	833780	10.0	10.0	
74 Chlorobenzene	112	19.971	19.971	0.000	96	328920	4.24	4.11	
S 80 Xylenes, Total	106				0		12.7	12.5	
75 Ethylbenzene	91	20.153	20.153	0.000	98	521232	4.24	4.15	
76 m-Xylene & p-Xylene	106	20.405	20.405	0.000	0	422986	8.49	8.29	
77 n-Nonane	57	20.442	20.442	0.000	86	222649	4.24	4.15	
78 o-Xylene	106	21.121	21.116	0.005	99	202130	4.24	4.17	
79 Styrene	104	21.148	21.148	0.000	98	323467	4.24	4.17	
81 Bromoform	173	21.469	21.469	0.000	98	213930	4.24	3.95	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	607184	4.24	4.19	
83 1,1,2,2-Tetrachloroethane	83	22.197	22.197	0.000	99	268105	4.24	4.09	
84 1,2,3-Trichloropropane	75	22.298	22.298	0.000	97	220676	4.24	4.20	
85 N-Propylbenzene	91	22.395	22.395	0.000	100	695550	4.24	4.15	
86 2-Chlorotoluene	91	22.544	22.544	0.000	97	484020	4.24	4.13	
87 4-Ethyltoluene	105	22.577	22.577	-0.001	98	587081	4.24	4.14	
88 1,3,5-Trimethylbenzene	105	22.657	22.657	0.000	94	502274	4.24	4.12	
89 n-Decane	57	22.667	22.668	-0.001	92	273712	4.24	4.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.972	22.972	0.000	90	261403	4.24	4.13	
91 tert-Butylbenzene	119	23.122	23.122	0.000	95	503241	4.24	4.12	
92 1,2,4-Trimethylbenzene	105	23.202	23.203	0.000	97	498806	4.24	4.13	
93 sec-Butylbenzene	105	23.438	23.438	0.000	99	741549	4.24	4.15	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	96	350589	4.24	4.12	
95 4-Isopropyltoluene	119	23.652	23.652	0.000	98	655998	4.24	4.16	
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	96	336655	4.24	4.09	
97 Benzyl chloride	91	23.930	23.930	0.000	99	402699	4.24	4.16	
98 n-Butylbenzene	91	24.256	24.256	0.000	98	564062	4.24	4.13	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	98	345183	4.24	4.14	
100 Undecane	57	24.390	24.385	0.005	93	279443	4.24	3.72	
101 Dodecane	57	26.134	26.134	0.000	96	210827	4.24	3.36	
102 1,2,4-Trichlorobenzene	180	27.033	27.033	0.000	93	242202	4.98	4.36	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	97	304549	4.77	4.62	
104 Naphthalene	128	27.589	27.589	0.000	99	465988	5.05	4.09	
105 1,2,3-Trichlorobenzene	180	28.065	28.065	0.000	95	236776	4.94	4.57	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL3w_00280	Amount Added: 170.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

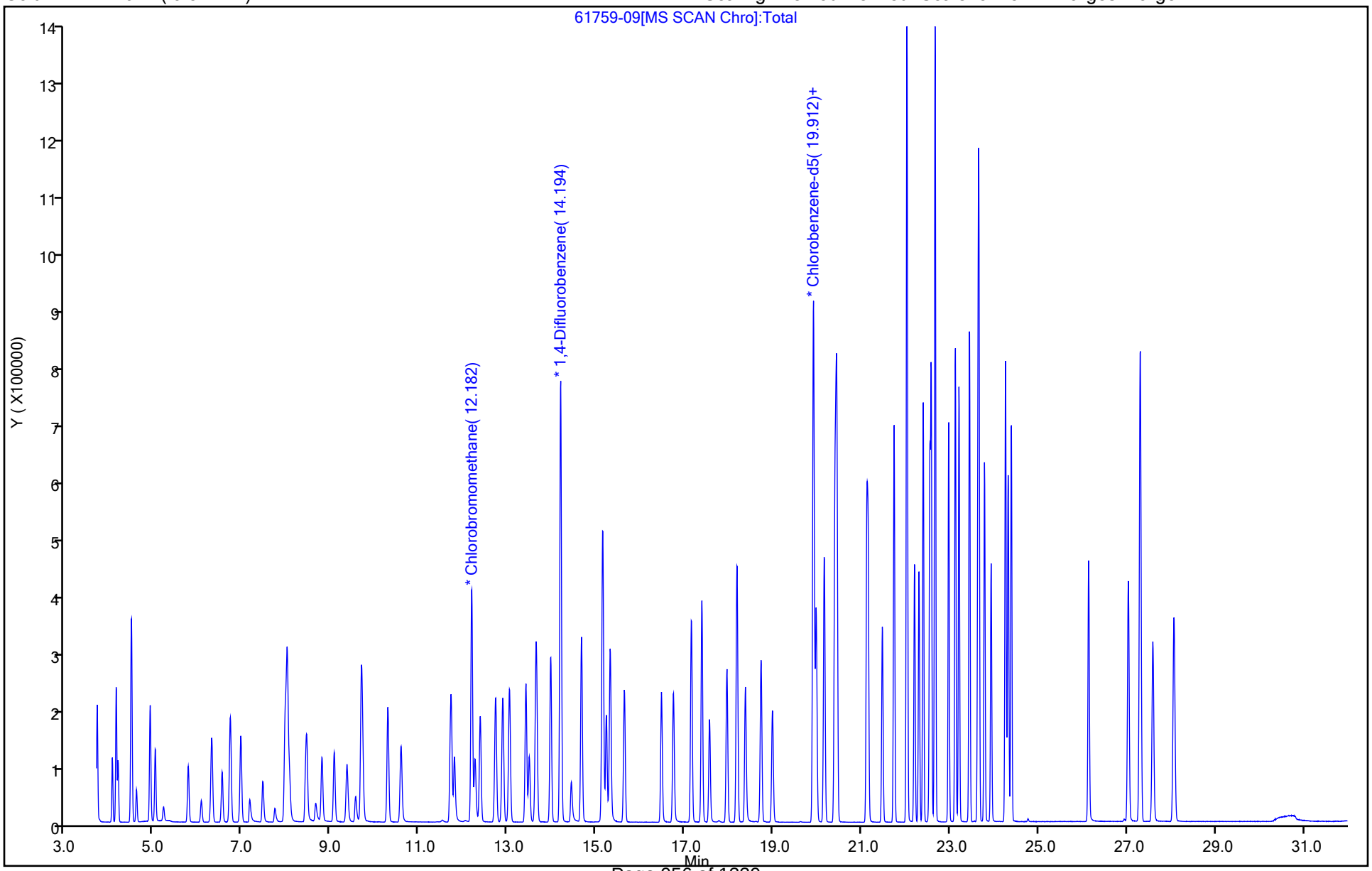
Report Date: 23-Aug-2024 09:45:49 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-09.d

Injection Date:	22-Aug-2024 21:58:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 23-Aug-2024 09:46:13 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-10.d
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 22-Aug-2024 22:52:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061759-010
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Aug-2024 09:46:13 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: YWL8 Date: 23-Aug-2024 14:40:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.045	4.045	0.000	98	154715	10.0	10.4	
2 Dichlorodifluoromethane	85	4.131	4.131	0.000	99	595767	10.0	10.5	
3 Chlorodifluoromethane	51	4.174	4.174	0.000	97	329527	10.0	10.3	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.473	4.473	0.000	91	611391	10.0	10.0	
5 Chloromethane	50	4.591	4.591	0.000	99	177104	10.0	10.4	
6 Vinyl chloride	62	4.896	4.896	0.000	100	242163	10.0	9.96	
7 Butane	43	4.901	4.901	0.000	98	342740	10.0	10.5	
8 Butadiene	54	5.014	5.014	0.000	92	181208	10.0	9.64	
9 Bromomethane	94	5.757	5.757	0.000	99	218247	10.0	10.0	
10 Chloroethane	64	6.057	6.057	0.000	99	116698	10.0	10.4	
12 2-Methylbutane	43	6.292	6.292	0.000	91	233111	10.0	9.90	
13 Vinyl bromide	106	6.528	6.528	0.000	99	225143	10.0	10.1	
14 Trichlorofluoromethane	101	6.715	6.715	0.000	99	598480	10.0	9.99	
15 Pentane	43	6.950	6.950	0.000	95	357933	10.0	10.3	
16 Ethanol	45	7.137	7.137	0.000	98	129098	15.0	16.2	
18 Ethyl ether	59	7.437	7.437	0.000	90	153766	10.0	10.3	
19 Acrolein	56	7.710	7.710	0.000	97	88775	11.7	12.0	
20 1,1-Dichloroethene	96	7.951	7.951	0.000	97	246927	10.0	9.79	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.999	7.999	0.000	97	528677	10.0	10.0	
22 Acetone	43	8.036	8.036	0.000	98	329451	10.0	10.5	
23 Isopropyl alcohol	45	8.395	8.395	0.000	100	363586	11.6	11.8	
24 Carbon disulfide	76	8.443	8.443	0.000	99	640292	10.0	10.3	
25 Acetonitrile	41	8.635	8.635	0.000	99	139835	10.0	10.2	
26 3-Chloro-1-propene	41	8.785	8.785	0.000	99	269485	10.0	9.49	
27 Methylene Chloride	49	9.063	9.063	0.000	90	245440	10.0	10.1	
28 2-Methyl-2-propanol	59	9.325	9.325	0.000	99	446944	10.0	10.2	
29 Acrylonitrile	53	9.539	9.539	0.000	93	144553	10.0	10.4	
30 trans-1,2-Dichloroethene	61	9.673	9.673	0.000	96	319800	10.0	10.2	
31 Methyl tert-butyl ether	73	9.684	9.684	0.000	96	693715	10.0	10.2	
S 35 1,2-Dichloroethene, Total	61				0		20.0	20.0	
32 Hexane	57	10.278	10.278	0.000	92	362482	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.572	10.572	0.000	100	424010	10.0	9.98	
34 Vinyl acetate	43	10.583	10.583	0.000	99	283334	11.4	10.6	
36 2-Butanone (MEK)	72	11.679	11.679	0.000	98	124020	10.0	10.4	
37 cis-1,2-Dichloroethene	96	11.711	11.711	0.000	90	277113	10.0	9.81	
38 Ethyl acetate	88	11.776	11.776	0.000	100	24114	10.0	10.3	
* 39 Chlorobromomethane	128	12.177	12.177	0.000	82	186435	10.0	10.0	
40 Tetrahydrofuran	42	12.236	12.236	0.000	89	246839	10.0	10.3	
41 Chloroform	83	12.369	12.369	0.000	96	514368	10.0	10.1	
42 1,1,1-Trichloroethane	97	12.717	12.717	0.000	98	539030	10.0	10.2	
43 Cyclohexane	84	12.883	12.883	0.000	95	363189	10.0	10.2	
44 Carbon tetrachloride	117	13.033	13.033	0.000	98	566248	10.0	10.4	
45 Benzene	78	13.402	13.402	0.000	95	784584	10.0	10.1	
46 1,2-Dichloroethane	62	13.477	13.477	0.000	92	332205	10.0	10.2	
47 Isooctane	57	13.637	13.637	0.000	98	1178002	10.0	10.3	
48 n-Heptane	43	13.964	13.964	0.000	89	408607	10.0	10.2	
* 49 1,4-Difluorobenzene	114	14.188	14.188	0.000	93	972080	10.0	10.0	
50 n-Butanol	56	14.418	14.418	0.000	88	156080	10.0	10.0	
51 Trichloroethene	95	14.664	14.664	0.000	98	377112	10.0	10.3	
53 1,2-Dichloropropane	63	15.146	15.146	0.000	90	276092	10.0	10.2	
54 Methyl methacrylate	69	15.221	15.221	0.000	98	276485	10.0	10.4	
55 1,4-Dioxane	88	15.285	15.285	0.000	91	170048	10.0	9.79	
57 Dibromomethane	174	15.317	15.317	0.000	92	389752	10.0	10.1	
58 Dichlorobromomethane	83	15.633	15.633	0.000	98	561742	10.0	10.4	
59 cis-1,3-Dichloropropene	75	16.473	16.473	0.000	92	488666	10.0	10.6	
61 4-Methyl-2-pentanone (MIBK)	43	16.729	16.729	0.000	96	523004	10.0	10.4	
62 Toluene	92	17.147	17.147	0.000	94	596732	10.0	10.2	
A 63 Toluene Range	1	17.173	(17.077-17.270)		0	2349915	NC	NC	
64 n-Octane	43	17.387	17.387	0.000	88	575894	10.0	10.3	
A 65 C8 Range	1	17.409	(17.302-17.537)		0	2434834	NC	NC	
66 trans-1,3-Dichloropropene	75	17.559	17.559	0.000	98	387785	10.0	10.7	
67 1,1,2-Trichloroethane	83	17.949	17.949	0.000	96	272888	10.0	10.2	
68 Tetrachloroethene	166	18.179	18.179	0.000	97	560922	10.0	9.93	
69 2-Hexanone	43	18.361	18.361	0.000	96	498186	10.0	10.3	
70 Chlorodibromomethane	129	18.725	18.725	0.000	98	614218	10.0	10.7	
71 Ethylene Dibromide	107	18.982	18.982	0.000	99	526410	10.0	10.3	
* 73 Chlorobenzene-d5	117	19.912	19.912	0.000	84	865150	10.0	10.0	
74 Chlorobenzene	112	19.971	19.971	0.000	96	839781	10.0	10.1	
S 80 Xylenes, Total	106				0		30.0	30.9	
75 Ethylbenzene	91	20.153	20.153	0.000	98	1337086	10.0	10.3	
76 m-Xylene & p-Xylene	106	20.410	20.410	0.000	0	1090319	20.0	20.6	
77 n-Nonane	57	20.442	20.442	0.000	86	578847	10.0	10.4	
78 o-Xylene	106	21.116	21.116	0.000	99	517002	10.0	10.3	
79 Styrene	104	21.148	21.148	0.000	97	856821	10.0	10.7	
81 Bromoform	173	21.469	21.469	0.000	98	636480	10.0	11.3	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	1566854	10.0	10.4	
83 1,1,2,2-Tetrachloroethane	83	22.197	22.197	0.000	99	683005	10.0	10.0	
84 1,2,3-Trichloropropane	75	22.298	22.298	0.000	97	569418	10.0	10.4	
85 N-Propylbenzene	91	22.395	22.395	0.000	100	1816304	10.0	10.4	
86 2-Chlorotoluene	91	22.545	22.545	0.000	97	1244970	10.0	10.2	
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	1546382	10.0	10.5	
88 1,3,5-Trimethylbenzene	105	22.657	22.657	0.000	94	1310624	10.0	10.4	
89 n-Decane	57	22.668	22.668	0.000	93	736323	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.973	22.973	0.000	90	710642	10.0	10.8	
91 tert-Butylbenzene	119	23.122	23.122	0.000	95	1320554	10.0	10.4	
92 1,2,4-Trimethylbenzene	105	23.203	23.203	0.000	97	1307821	10.0	10.4	
93 sec-Butylbenzene	105	23.443	23.443	0.000	99	1935221	10.0	10.4	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	96	928660	10.0	10.5	
95 4-Isopropyltoluene	119	23.657	23.657	0.000	98	1728982	10.0	10.6	
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	96	900214	10.0	10.5	
97 Benzyl chloride	91	23.930	23.930	0.000	100	1106546	10.0	11.0	
98 n-Butylbenzene	91	24.256	24.256	0.000	98	1501671	10.0	10.6	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	98	904681	10.0	10.5	
100 Undecane	57	24.385	24.385	0.000	93	791526	10.0	10.1	
101 Dodecane	57	26.134	26.134	0.000	96	679865	10.0	10.4	
102 1,2,4-Trichlorobenzene	180	27.033	27.033	0.000	94	717680	11.7	12.5	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	97	766359	11.2	11.2	
104 Naphthalene	128	27.589	27.589	0.000	99	1536628	11.9	13.0	
105 1,2,3-Trichlorobenzene	180	28.065	28.065	0.000	95	647456	11.6	12.0	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00829	Amount Added: 200.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

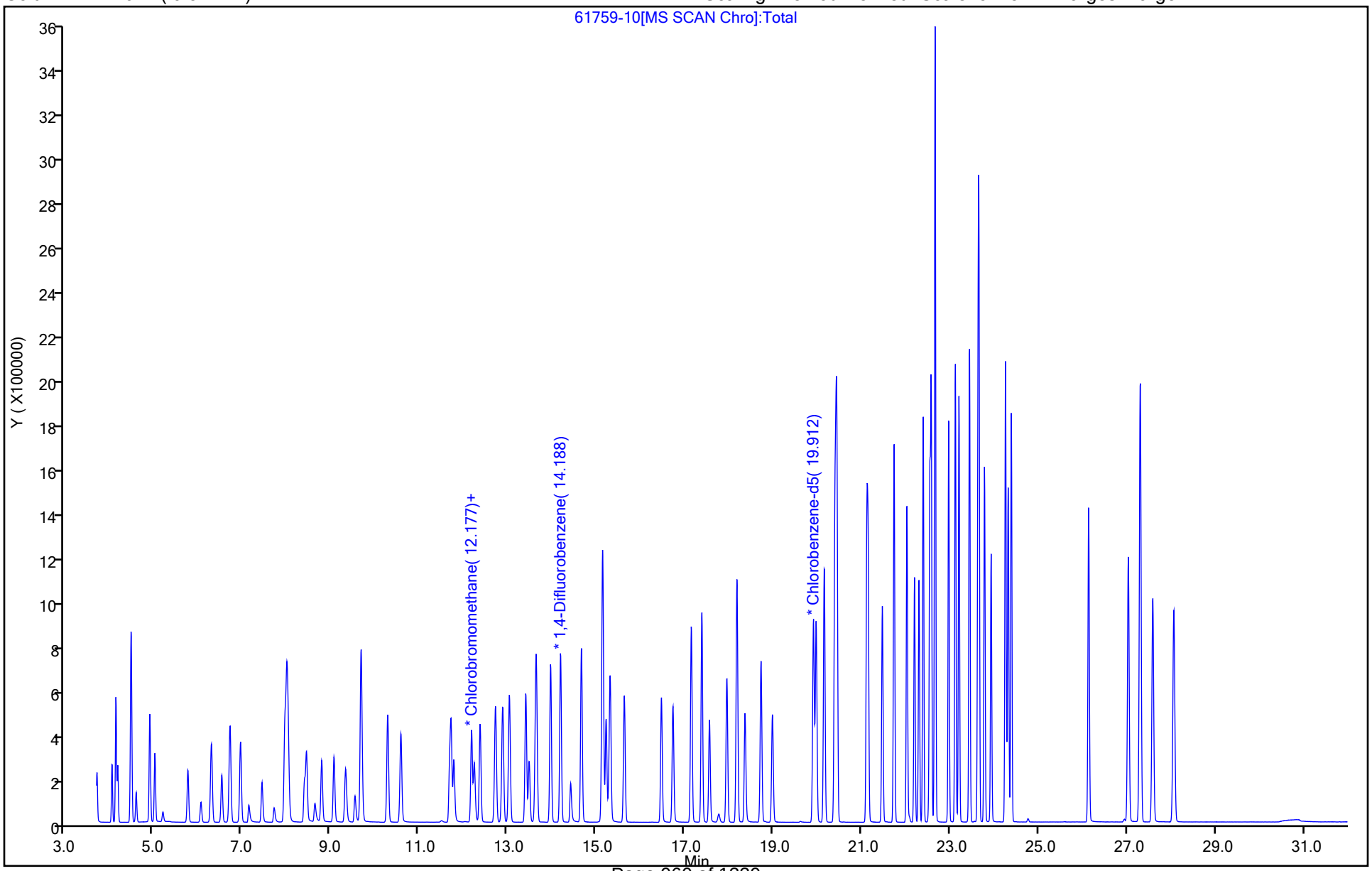
Report Date: 23-Aug-2024 09:46:13 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-10.d

Injection Date:	22-Aug-2024 22:52:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	icis			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 23-Aug-2024 09:46:19 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-11.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Aug-2024 23:46:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061759-011
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Aug-2024 09:46:19 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: YWL8 Date: 23-Aug-2024 14:53:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.051	4.045	0.006	98	229320	15.0	15.0	
2 Dichlorodifluoromethane	85	4.136	4.131	0.005	99	886702	15.0	15.2	
3 Chlorodifluoromethane	51	4.179	4.174	0.005	97	484746	15.0	14.8	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.479	4.473	0.006	97	907179	15.0	14.5	
5 Chloromethane	50	4.596	4.591	0.005	99	259983	15.0	14.8	
6 Vinyl chloride	62	4.901	4.896	0.005	100	352597	15.0	14.1	
7 Butane	43	4.907	4.901	0.005	98	497484	15.0	14.8	
8 Butadiene	54	5.019	5.014	0.005	92	263686	15.0	13.7	
9 Bromomethane	94	5.762	5.757	0.005	99	327043	15.0	14.6	
10 Chloroethane	64	6.057	6.057	0.000	99	173651	15.0	15.1	
12 2-Methylbutane	43	6.297	6.292	0.005	92	347605	15.0	14.4	
13 Vinyl bromide	106	6.533	6.528	0.005	99	338117	15.0	14.8	
14 Trichlorofluoromethane	101	6.715	6.715	0.000	99	891118	15.0	14.5	
15 Pentane	43	6.955	6.950	0.005	96	533220	15.0	15.0	
16 Ethanol	45	7.137	7.137	0.000	98	162057	20.0	19.8	
18 Ethyl ether	59	7.432	7.437	-0.005	90	228646	15.0	15.0	
19 Acrolein	56	7.710	7.710	0.000	96	135957	17.6	17.9	
20 1,1-Dichloroethene	96	7.956	7.951	0.005	97	366816	15.0	14.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.004	7.999	0.005	97	790055	15.0	14.6	
22 Acetone	43	8.036	8.036	0.000	98	487290	15.0	15.1	
23 Isopropyl alcohol	45	8.395	8.395	-0.001	100	545069	17.4	17.3	
24 Carbon disulfide	76	8.448	8.443	0.005	99	960642	15.0	15.1	
25 Acetonitrile	41	8.635	8.635	0.000	98	211083	15.0	15.0	
26 3-Chloro-1-propene	41	8.785	8.785	0.000	99	398755	15.0	13.7	
27 Methylene Chloride	49	9.063	9.063	0.000	90	363155	15.0	14.6	
28 2-Methyl-2-propanol	59	9.320	9.325	-0.005	99	674415	15.0	15.0	
29 Acrylonitrile	53	9.539	9.539	0.000	94	217286	15.0	15.2	
30 trans-1,2-Dichloroethene	61	9.673	9.673	0.000	97	477354	15.0	14.8	
31 Methyl tert-butyl ether	73	9.678	9.684	-0.006	96	1041118	15.0	14.9	
S 35 1,2-Dichloroethene, Total	61				0		30.0	29.1	
32 Hexane	57	10.283	10.278	0.005	92	535575	15.0	14.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.577	10.572	0.005	100	633908	15.0	14.5	
34 Vinyl acetate	43	10.583	10.583	0.000	99	498211	17.1	18.2	
36 2-Butanone (MEK)	72	11.679	11.679	0.000	98	188032	15.0	15.3	
37 cis-1,2-Dichloroethene	96	11.717	11.711	0.006	90	415161	15.0	14.3	
38 Ethyl acetate	88	11.776	11.776	0.000	99	36353	15.0	15.1	
* 39 Chlorobromomethane	128	12.177	12.177	0.000	82	191503	10.0	10.0	
40 Tetrahydrofuran	42	12.236	12.236	0.000	89	368326	15.0	14.9	
41 Chloroform	83	12.375	12.369	0.006	96	760769	15.0	14.6	
42 1,1,1-Trichloroethane	97	12.717	12.717	0.000	98	800778	15.0	14.7	
43 Cyclohexane	84	12.883	12.883	0.000	95	543541	15.0	14.8	
44 Carbon tetrachloride	117	13.033	13.033	0.000	98	848524	15.0	15.2	
45 Benzene	78	13.407	13.402	0.005	95	1173953	15.0	14.6	
46 1,2-Dichloroethane	62	13.482	13.477	0.005	92	503730	15.0	15.0	
47 Isooctane	57	13.637	13.637	0.000	99	1760002	15.0	14.9	
48 n-Heptane	43	13.964	13.964	0.000	90	609891	15.0	14.8	
* 49 1,4-Difluorobenzene	114	14.194	14.188	0.006	93	999895	10.0	10.0	
50 n-Butanol	56	14.413	14.418	-0.005	88	240874	15.0	15.0	
51 Trichloroethene	95	14.664	14.664	0.000	98	558730	15.0	14.9	
53 1,2-Dichloropropane	63	15.146	15.146	0.000	86	412016	15.0	14.8	
54 Methyl methacrylate	69	15.221	15.221	0.000	98	425977	15.0	15.6	
55 1,4-Dioxane	88	15.285	15.285	0.000	90	255454	15.0	14.3	
57 Dibromomethane	174	15.317	15.317	0.000	91	586178	15.0	14.7	
58 Dichlorobromomethane	83	15.633	15.633	0.000	98	841684	15.0	15.1	
59 cis-1,3-Dichloropropene	75	16.473	16.473	0.000	92	737830	15.0	15.5	
61 4-Methyl-2-pentanone (MIBK)	43	16.729	16.729	0.000	96	791579	15.0	15.3	
62 Toluene	92	17.147	17.147	0.000	94	895929	15.0	14.8	
A 63 Toluene Range	1	17.173	(17.077-17.270)		0	3517531	NC	NC	
64 n-Octane	43	17.387	17.387	0.000	88	860648	15.0	15.0	
A 65 C8 Range	1	17.420	(17.302-17.537)		0	3641261	NC	NC	
66 trans-1,3-Dichloropropene	75	17.559	17.559	0.000	98	589199	15.0	15.9	
67 1,1,2-Trichloroethane	83	17.954	17.949	0.005	96	408445	15.0	14.9	
68 Tetrachloroethene	166	18.184	18.179	0.005	97	843140	15.0	14.5	
69 2-Hexanone	43	18.361	18.361	0.000	96	758777	15.0	15.2	
70 Chlorodibromomethane	129	18.725	18.725	0.000	98	928510	15.0	15.8	
71 Ethylene Dibromide	107	18.982	18.982	0.000	99	796184	15.0	15.2	
* 73 Chlorobenzene-d5	117	19.912	19.912	0.000	84	889482	10.0	10.0	
74 Chlorobenzene	112	19.971	19.971	0.000	96	1257286	15.0	14.7	
S 80 Xylenes, Total	106				0		45.0	45.3	
75 Ethylbenzene	91	20.159	20.153	0.005	98	2003387	15.0	15.0	
76 m-Xylene & p-Xylene	106	20.410	20.410	0.000	0	1641954	30.0	30.2	
77 n-Nonane	57	20.442	20.442	0.000	87	876584	15.0	15.3	
78 o-Xylene	106	21.116	21.116	0.000	99	781741	15.0	15.1	
79 Styrene	104	21.148	21.148	0.000	98	1304764	15.0	15.8	
81 Bromoform	173	21.469	21.469	0.000	98	960791	15.0	16.6	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	2352333	15.0	15.2	
83 1,1,2,2-Tetrachloroethane	83	22.197	22.197	0.000	99	1030225	15.0	14.7	
84 1,2,3-Trichloropropane	75	22.298	22.298	0.000	97	848395	15.0	15.1	
85 N-Propylbenzene	91	22.395	22.395	0.000	100	2714510	15.0	15.2	
86 2-Chlorotoluene	91	22.544	22.545	-0.001	96	1868699	15.0	15.0	
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	2329299	15.0	15.4	
88 1,3,5-Trimethylbenzene	105	22.657	22.657	0.000	94	1988349	15.0	15.3	
89 n-Decane	57	22.668	22.668	0.000	93	1136310	15.0	16.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.972	22.973	0.000	91	1083820	15.0	16.1	
91 tert-Butylbenzene	119	23.122	23.122	0.000	95	1990511	15.0	15.3	
92 1,2,4-Trimethylbenzene	105	23.202	23.203	-0.001	97	1991728	15.0	15.4	
93 sec-Butylbenzene	105	23.443	23.443	0.000	99	2935034	15.0	15.4	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	96	1396138	15.0	15.4	
95 4-Isopropyltoluene	119	23.657	23.657	0.000	98	2638042	15.0	15.7	
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	96	1356801	15.0	15.4	
97 Benzyl chloride	91	23.930	23.930	0.000	100	1693990	15.0	16.4	
98 n-Butylbenzene	91	24.256	24.256	0.000	98	2284079	15.0	15.7	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	98	1359886	15.0	15.3	
100 Undecane	57	24.390	24.385	0.005	93	1229409	15.0	15.3	
101 Dodecane	57	26.134	26.134	0.000	96	1047355	15.0	15.6	
102 1,2,4-Trichlorobenzene	180	27.033	27.033	0.000	94	1125510	17.6	19.0	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	96	1175444	16.9	16.7	
104 Naphthalene	128	27.589	27.589	0.000	99	2415002	17.8	19.9	
105 1,2,3-Trichlorobenzene	180	28.055	28.065	-0.010	95	1024201	17.5	18.5	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

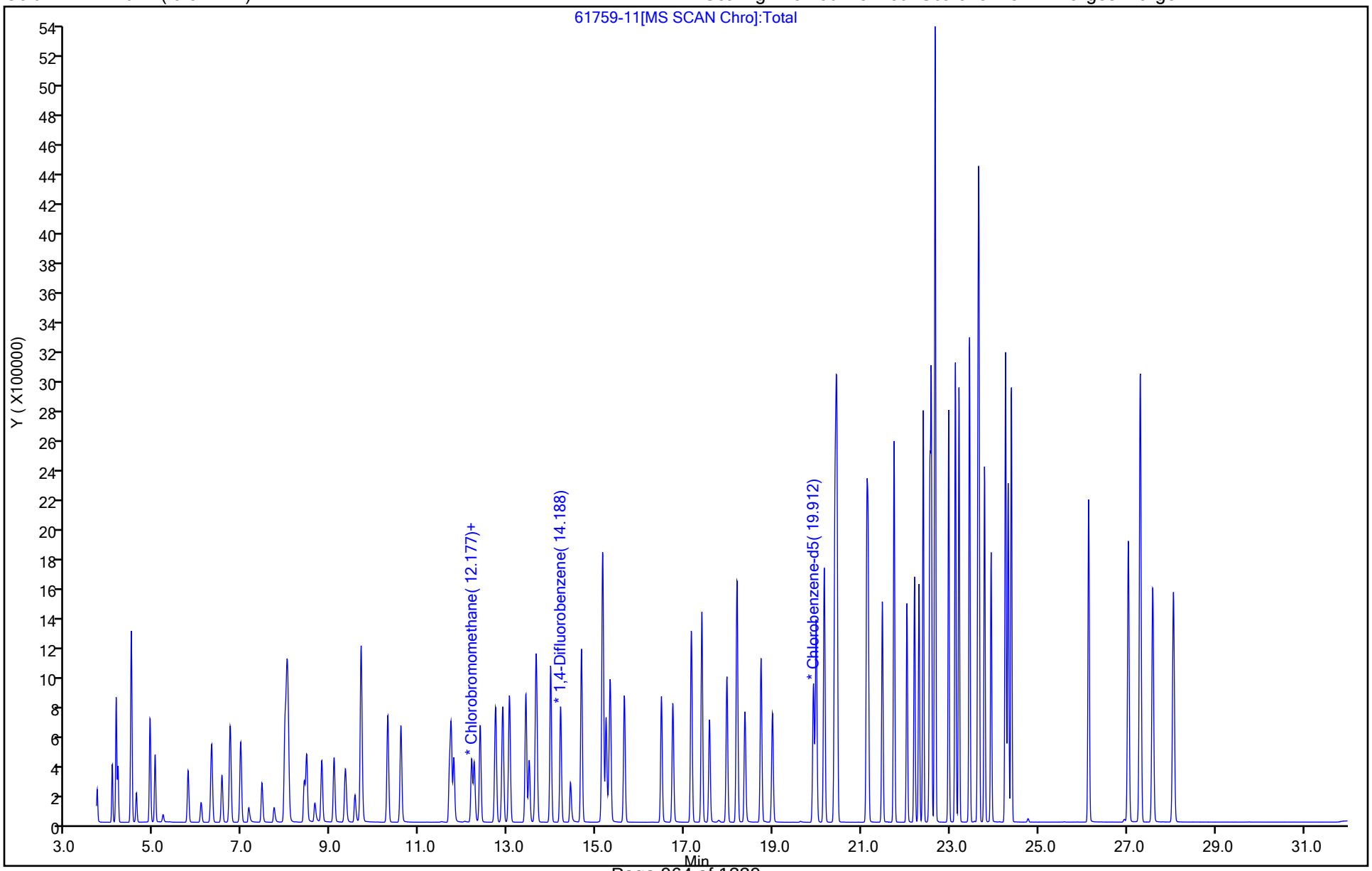
ATTO15CAL5w_00148	Amount Added: 200.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

Report Date: 23-Aug-2024 09:46:19 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-11.d				
Injection Date:	22-Aug-2024 23:46:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 23-Aug-2024 09:46:25 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-14.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 23-Aug-2024 02:30:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061759-014
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Aug-2024 09:46:24 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: YWL8 Date: 23-Aug-2024 14:56:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.045	4.045	0.000	98	295814	20.0	19.3	
2 Dichlorodifluoromethane	85	4.136	4.131	0.005	99	1139762	20.0	19.5	
3 Chlorodifluoromethane	51	4.174	4.174	0.000	97	631429	20.0	19.2	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.473	4.473	0.000	97	1178509	20.0	18.8	
5 Chloromethane	50	4.591	4.591	0.000	99	335334	20.0	19.1	
6 Vinyl chloride	62	4.896	4.896	0.000	100	459982	20.0	18.4	
7 Butane	43	4.901	4.901	0.000	98	647720	20.0	19.3	
8 Butadiene	54	5.013	5.014	-0.001	92	346202	20.0	17.9	
9 Bromomethane	94	5.762	5.757	0.005	99	421724	20.0	18.8	
10 Chloroethane	64	6.057	6.057	0.000	99	224363	20.0	19.5	
12 2-Methylbutane	43	6.292	6.292	0.000	95	446413	20.0	18.4	
13 Vinyl bromide	106	6.527	6.528	-0.001	99	439065	20.0	19.2	
14 Trichlorofluoromethane	101	6.715	6.715	0.000	99	1161694	20.0	18.9	
15 Pentane	43	6.950	6.950	0.000	96	691021	20.0	19.4	
16 Ethanol	45	7.127	7.137	-0.010	98	326274	40.0	39.8	
18 Ethyl ether	59	7.432	7.437	-0.005	90	298959	20.0	19.5	
19 Acrolein	56	7.704	7.710	-0.006	96	175307	23.4	23.0	
20 1,1-Dichloroethene	96	7.950	7.951	-0.001	97	480611	20.0	18.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.004	7.999	0.005	97	1029981	20.0	19.0	
22 Acetone	43	8.031	8.036	-0.005	98	635323	20.0	19.7	
23 Isopropyl alcohol	45	8.384	8.395	-0.011	100	716347	23.2	22.7	
24 Carbon disulfide	76	8.443	8.443	0.000	99	1263189	20.0	19.8	
25 Acetonitrile	41	8.625	8.635	-0.011	98	280220	20.0	19.9	
26 3-Chloro-1-propene	41	8.785	8.785	0.000	99	525293	20.0	18.0	
27 Methylene Chloride	49	9.063	9.063	0.000	89	474380	20.0	19.0	
28 2-Methyl-2-propanol	59	9.315	9.325	-0.010	99	895466	20.0	19.9	
29 Acrylonitrile	53	9.534	9.539	-0.005	94	289642	20.0	20.3	
30 trans-1,2-Dichloroethene	61	9.673	9.673	0.000	96	630720	20.0	19.5	
31 Methyl tert-butyl ether	73	9.678	9.684	-0.006	96	1366808	20.0	19.6	
S 35 1,2-Dichloroethene, Total	61				0		40.0	38.3	
32 Hexane	57	10.278	10.278	0.000	92	698410	20.0	19.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.572	10.572	0.000	100	824149	20.0	18.9	
34 Vinyl acetate	43	10.583	10.583	-0.001	99	691077	22.8	25.2	
36 2-Butanone (MEK)	72	11.674	11.679	-0.005	98	245464	20.0	20.0	
37 cis-1,2-Dichloroethene	96	11.711	11.711	0.000	92	544982	20.0	18.8	
38 Ethyl acetate	88	11.775	11.776	-0.001	100	47494	20.0	19.7	
* 39 Chlorobromomethane	128	12.177	12.177	0.000	82	191652	10.0	10.0	
40 Tetrahydrofuran	42	12.230	12.236	-0.006	89	479666	20.0	19.4	
41 Chloroform	83	12.369	12.369	0.000	96	994849	20.0	19.1	
42 1,1,1-Trichloroethane	97	12.717	12.717	0.000	98	1046286	20.0	19.2	
43 Cyclohexane	84	12.883	12.883	0.000	95	707610	20.0	19.2	
44 Carbon tetrachloride	117	13.033	13.033	0.000	98	1110689	20.0	19.9	
45 Benzene	78	13.402	13.402	0.000	95	1535707	20.0	19.1	
46 1,2-Dichloroethane	62	13.482	13.477	0.005	92	651158	20.0	19.4	
47 Isooctane	57	13.637	13.637	0.000	99	2299608	20.0	19.5	
48 n-Heptane	43	13.969	13.964	0.005	89	797755	20.0	19.4	
* 49 1,4-Difluorobenzene	114	14.188	14.188	0.000	93	1000438	10.0	10.0	
50 n-Butanol	56	14.408	14.418	-0.010	88	321484	20.0	20.1	
51 Trichloroethene	95	14.664	14.664	0.000	98	733430	20.0	19.5	
53 1,2-Dichloropropane	63	15.146	15.146	0.000	89	541665	20.0	19.4	
54 Methyl methacrylate	69	15.215	15.221	-0.006	98	557994	20.0	20.5	
55 1,4-Dioxane	88	15.280	15.285	-0.005	91	333853	20.0	18.7	
57 Dibromomethane	174	15.312	15.317	-0.005	93	772509	20.0	19.4	
58 Dichlorobromomethane	83	15.633	15.633	0.000	98	1111971	20.0	20.0	
59 cis-1,3-Dichloropropene	75	16.473	16.473	0.000	92	973539	20.0	20.5	
61 4-Methyl-2-pentanone (MIBK)	43	16.729	16.729	0.000	96	1040521	20.0	20.2	
62 Toluene	92	17.147	17.147	0.000	93	1182920	20.0	19.5	
A 63 Toluene Range	1	17.173	(17.077-17.270)		0	4625696	NC	NC	
64 n-Octane	43	17.387	17.387	0.000	88	1135351	20.0	19.8	
A 65 C8 Range	1	17.420	(17.302-17.537)		0	4802342	NC	NC	
66 trans-1,3-Dichloropropene	75	17.559	17.559	-0.001	98	781986	20.0	21.0	
67 1,1,2-Trichloroethane	83	17.954	17.949	0.005	96	537032	20.0	19.5	
68 Tetrachloroethene	166	18.184	18.179	0.005	97	1107466	20.0	19.0	
69 2-Hexanone	43	18.356	18.361	-0.005	96	1004201	20.0	20.0	
70 Chlorodibromomethane	129	18.725	18.725	0.000	98	1234977	20.0	20.9	
71 Ethylene Dibromide	107	18.982	18.982	0.000	99	1050692	20.0	20.0	
* 73 Chlorobenzene-d5	117	19.912	19.912	0.000	84	893672	10.0	10.0	
74 Chlorobenzene	112	19.971	19.971	0.000	97	1657772	20.0	19.3	
S 80 Xylenes, Total	106				0		60.0	59.7	
75 Ethylbenzene	91	20.153	20.153	0.000	98	2644940	20.0	19.7	
76 m-Xylene & p-Xylene	106	20.410	20.410	0.000	0	2173399	40.0	39.7	
77 n-Nonane	57	20.447	20.442	0.005	86	1158161	20.0	20.2	
78 o-Xylene	106	21.116	21.116	0.000	99	1037736	20.0	20.0	
79 Styrene	104	21.148	21.148	0.000	97	1732131	20.0	20.8	
81 Bromoform	173	21.469	21.469	0.000	98	1301806	20.0	22.4	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	3126062	20.0	20.1	
83 1,1,2,2-Tetrachloroethane	83	22.197	22.197	0.000	99	1366428	20.0	19.5	
84 1,2,3-Trichloropropane	75	22.298	22.298	0.000	97	1120070	20.0	19.9	
85 N-Propylbenzene	91	22.395	22.395	0.000	100	3597029	20.0	20.0	
86 2-Chlorotoluene	91	22.544	22.545	-0.001	96	2476159	20.0	19.7	
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	3090462	20.0	20.4	
88 1,3,5-Trimethylbenzene	105	22.662	22.657	0.005	94	2629475	20.0	20.1	
89 n-Decane	57	22.667	22.668	-0.001	92	1517023	20.0	21.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.972	22.973	0.000	91	1438888	20.0	21.2	
91 tert-Butylbenzene	119	23.122	23.122	0.000	95	2653980	20.0	20.3	
92 1,2,4-Trimethylbenzene	105	23.202	23.203	-0.001	97	2623137	20.0	20.2	
93 sec-Butylbenzene	105	23.443	23.443	0.000	99	3889517	20.0	20.3	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	96	1834890	20.0	20.1	
95 4-Isopropyltoluene	119	23.657	23.657	0.000	98	3508383	20.0	20.8	
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	96	1786222	20.0	20.2	
97 Benzyl chloride	91	23.930	23.930	0.000	100	2251272	20.0	21.7	
98 n-Butylbenzene	91	24.256	24.256	0.000	98	3024756	20.0	20.6	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	98	1769692	20.0	19.8	
100 Undecane	57	24.390	24.385	0.005	93	1649244	20.0	20.5	
101 Dodecane	57	26.139	26.134	0.005	96	1393007	20.0	20.7	
102 1,2,4-Trichlorobenzene	180	27.038	27.033	0.005	94	1435304	23.5	24.1	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	97	1576190	22.5	22.3	
104 Naphthalene	128	27.584	27.589	-0.005	99	2987873	23.8	24.5	
105 1,2,3-Trichlorobenzene	180	28.055	28.065	-0.010	95	1301533	23.3	23.4	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00237	Amount Added: 200.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

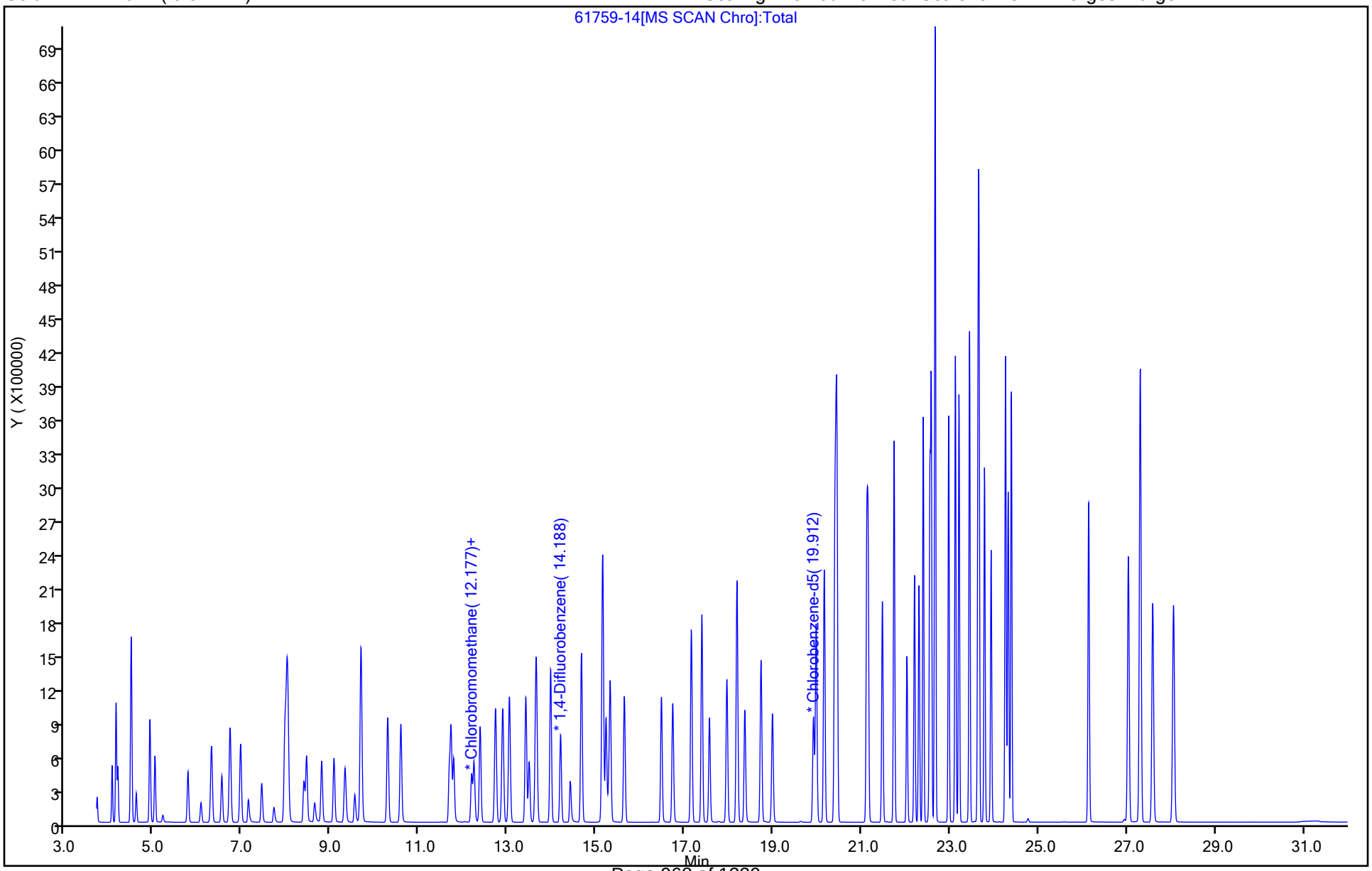
Report Date: 23-Aug-2024 09:46:25 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-14.d

Injection Date:	23-Aug-2024 02:30:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	14
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 23-Aug-2024 09:46:30 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 23-Aug-2024 03:28:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061759-015
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Aug-2024 09:46:30 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: YWL8 Date: 23-Aug-2024 15:20:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.045	4.045	0.000	98	612534	40.0	38.6	
2 Dichlorodifluoromethane	85	4.136	4.131	0.005	99	2153427	40.0	35.6	
3 Chlorodifluoromethane	51	4.174	4.174	0.000	97	1294944	40.0	38.1	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.478	4.473	0.005	96	2448912	40.0	37.7	
5 Chloromethane	50	4.596	4.591	0.005	99	697965	40.0	38.3	
6 Vinyl chloride	62	4.901	4.896	0.005	100	944377	40.0	36.5	
7 Butane	43	4.906	4.901	0.005	98	1332504	40.0	38.3	
8 Butadiene	54	5.019	5.014	0.005	91	714786	40.0	35.7	
9 Bromomethane	94	5.762	5.757	0.005	99	878308	40.0	37.8	
10 Chloroethane	64	6.062	6.057	0.005	100	465584	40.0	39.1	
12 2-Methylbutane	43	6.297	6.292	0.005	91	932043	40.0	37.2	
13 Vinyl bromide	106	6.533	6.528	0.005	99	921076	40.0	38.9	
14 Trichlorofluoromethane	101	6.715	6.715	0.000	99	2413412	40.0	37.8	
15 Pentane	43	6.955	6.950	0.005	96	1437886	40.0	39.0	
16 Ethanol	45	7.132	7.137	-0.005	98	698845	80.0	82.3	
18 Ethyl ether	59	7.426	7.437	-0.011	89	628236	40.0	39.7	
19 Acrolein	56	7.704	7.710	-0.006	96	375866	46.8	47.7	
20 1,1-Dichloroethene	96	7.956	7.951	0.005	97	1004001	40.0	37.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.004	7.999	0.005	98	2139364	40.0	38.2	
22 Acetone	43	8.031	8.036	-0.005	98	1314959	40.0	39.3	
23 Isopropyl alcohol	45	8.384	8.395	-0.011	100	1516237	46.4	46.4	
24 Carbon disulfide	76	8.448	8.443	0.005	99	2618376	40.0	39.7	
25 Acetonitrile	41	8.625	8.635	-0.010	98	599898	40.0	41.2	
26 3-Chloro-1-propene	41	8.790	8.785	0.005	99	1090272	40.0	36.1	
27 Methylene Chloride	49	9.069	9.063	0.006	89	976495	40.0	37.8	
28 2-Methyl-2-propanol	59	9.309	9.325	-0.016	99	1837852	40.0	39.4	
29 Acrylonitrile	53	9.539	9.539	0.000	94	616658	40.0	41.6	
30 trans-1,2-Dichloroethene	61	9.678	9.673	0.005	73	1323673	40.0	39.6	
31 Methyl tert-butyl ether	73	9.678	9.684	-0.006	96	2886387	40.0	39.9	
S 35 1,2-Dichloroethene, Total	61				0		80.0	77.4	
32 Hexane	57	10.283	10.278	0.005	92	1465095	40.0	38.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.577	10.572	0.005	100	1721947	40.0	38.1	
34 Vinyl acetate	43	10.583	10.583	-0.001	99	1800301	45.6	63.4	
36 2-Butanone (MEK)	72	11.674	11.679	-0.005	98	522544	40.0	41.1	
37 cis-1,2-Dichloroethene	96	11.717	11.711	0.006	92	1135912	40.0	37.8	
38 Ethyl acetate	88	11.775	11.776	-0.001	100	102540	40.0	41.1	
* 39 Chlorobromomethane	128	12.182	12.177	0.005	81	198439	10.0	10.0	
40 Tetrahydrofuran	42	12.230	12.236	-0.006	89	1003991	40.0	40.2	
41 Chloroform	83	12.375	12.369	0.006	96	2060705	40.0	38.2	
42 1,1,1-Trichloroethane	97	12.722	12.717	0.005	98	2188395	40.0	39.7	
43 Cyclohexane	84	12.883	12.883	0.000	95	1480850	40.0	39.9	
44 Carbon tetrachloride	117	13.038	13.033	0.005	98	2332572	40.0	41.3	
45 Benzene	78	13.407	13.402	0.005	95	3180371	40.0	39.2	
46 1,2-Dichloroethane	62	13.482	13.477	0.005	92	1349730	40.0	39.9	
47 Isooctane	57	13.643	13.637	0.006	99	4782384	40.0	40.1	
48 n-Heptane	43	13.969	13.964	0.005	89	1651155	40.0	39.7	
* 49 1,4-Difluorobenzene	114	14.194	14.188	0.006	93	1010413	10.0	10.0	
50 n-Butanol	56	14.408	14.418	-0.010	88	674480	40.0	41.7	
51 Trichloroethene	95	14.664	14.664	0.000	98	1497124	40.0	39.4	
53 1,2-Dichloropropane	63	15.146	15.146	0.000	83	1135407	40.0	40.3	
54 Methyl methacrylate	69	15.221	15.221	0.000	98	1218222	40.0	44.2	
55 1,4-Dioxane	88	15.280	15.285	-0.005	94	709518	40.0	39.3	
57 Dibromomethane	174	15.317	15.317	0.000	91	1609592	40.0	40.0	
58 Dichlorobromomethane	83	15.638	15.633	0.005	98	2312525	40.0	41.2	
59 cis-1,3-Dichloropropene	75	16.473	16.473	0.000	94	2056022	40.0	42.8	
61 4-Methyl-2-pentanone (MIBK)	43	16.724	16.729	-0.005	96	2190540	40.0	42.0	
62 Toluene	92	17.152	17.147	0.005	94	2457967	40.0	39.8	
A 63 Toluene Range	1	17.173	(17.077-17.270)		0	9587832	NC	NC	
64 n-Octane	43	17.387	17.387	0.000	88	2364474	40.0	40.8	
A 65 C8 Range	1	17.420	(17.302-17.537)		0	9964116	NC	NC	
66 trans-1,3-Dichloropropene	75	17.559	17.559	0.000	97	1672036	40.0	44.5	
67 1,1,2-Trichloroethane	83	17.954	17.949	0.005	96	1121420	40.0	40.0	
68 Tetrachloroethene	166	18.184	18.179	0.005	94	2297932	40.0	38.8	
69 2-Hexanone	43	18.356	18.361	-0.005	96	2119605	40.0	41.6	
70 Chlorodibromomethane	129	18.730	18.725	0.005	98	2611805	40.0	43.4	
71 Ethylene Dibromide	107	18.987	18.982	0.005	98	2208847	40.0	41.3	
* 73 Chlorobenzene-d5	117	19.912	19.912	0.000	85	908488	10.0	10.0	
74 Chlorobenzene	112	19.977	19.971	0.006	96	3449418	40.0	39.6	
S 80 Xylenes, Total	106				0		120.0	122.3	
75 Ethylbenzene	91	20.158	20.153	0.005	97	5476247	40.0	40.0	
76 m-Xylene & p-Xylene	106	20.410	20.410	0.000	0	4525497	80.0	81.4	
77 n-Nonane	57	20.447	20.442	0.005	86	2467434	40.0	42.3	
78 o-Xylene	106	21.121	21.116	0.005	99	2159480	40.0	40.9	
79 Styrene	104	21.148	21.148	0.000	98	3610080	40.0	42.7	
81 Bromoform	173	21.469	21.469	0.000	98	2767616	40.0	46.9	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	6484407	40.0	41.0	
83 1,1,2,2-Tetrachloroethane	83	22.197	22.197	0.000	99	2884531	40.0	40.4	
84 1,2,3-Trichloropropane	75	22.298	22.298	0.000	97	2327865	40.0	40.7	
85 N-Propylbenzene	91	22.395	22.395	0.000	100	7399913	40.0	40.5	
86 2-Chlorotoluene	91	22.544	22.545	-0.001	96	5184558	40.0	40.6	
87 4-Ethyltoluene	105	22.577	22.577	0.000	97	6392742	40.0	41.4	
88 1,3,5-Trimethylbenzene	105	22.662	22.657	0.005	94	5441662	40.0	41.0	
89 n-Decane	57	22.673	22.668	0.005	93	3233356	40.0	44.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	22.972	22.973	0.000	91	3009557	40.0	43.7	
91 tert-Butylbenzene	119	23.122	23.122	0.000	95	5420683	40.0	40.7	
92 1,2,4-Trimethylbenzene	105	23.208	23.203	0.005	97	5415317	40.0	41.1	
93 sec-Butylbenzene	105	23.443	23.443	0.000	98	7921060	40.0	40.7	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	97	3785799	40.0	40.8	
95 4-Isopropyltoluene	119	23.657	23.657	0.000	97	7135515	40.0	41.5	
96 1,4-Dichlorobenzene	146	23.786	23.780	0.006	96	3731343	40.0	41.6	
97 Benzyl chloride	91	23.930	23.930	0.000	100	4759496	40.0	45.2	
98 n-Butylbenzene	91	24.256	24.256	0.000	98	6180127	40.0	41.5	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	97	3624744	40.0	39.9	
100 Undecane	57	24.390	24.385	0.005	93	3480454	40.0	42.5	
101 Dodecane	57	26.139	26.134	0.005	97	2973774	40.0	43.5	
102 1,2,4-Trichlorobenzene	180	27.038	27.033	0.005	94	3179551	46.9	52.6	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	97	3336472	45.0	46.4	
104 Naphthalene	128	27.589	27.589	0.000	99	6608635	47.6	53.3	
105 1,2,3-Trichlorobenzene	180	28.065	28.065	0.000	96	2919132	46.6	51.7	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00237	Amount Added: 400.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

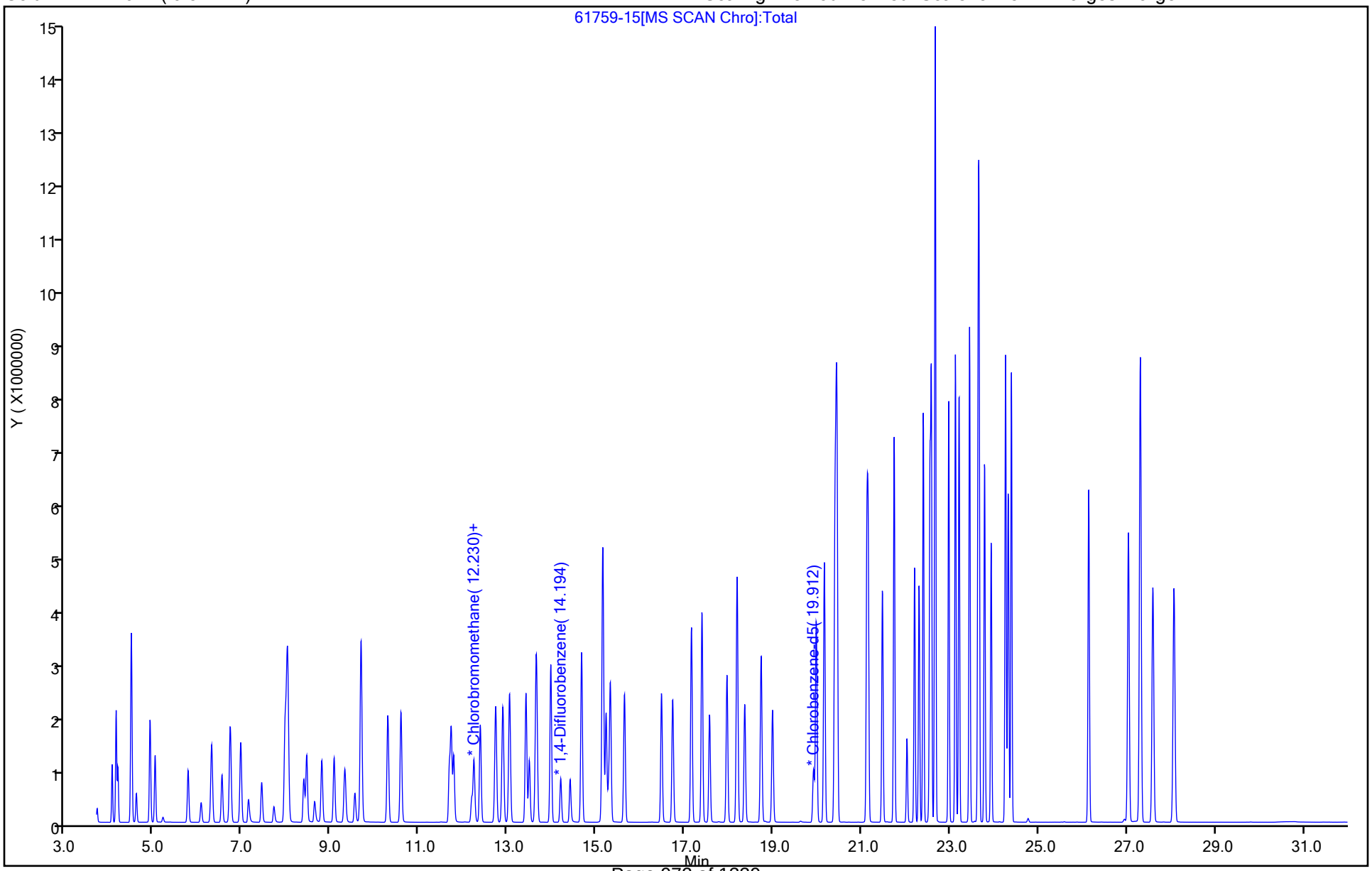
Report Date: 23-Aug-2024 09:46:30 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Injection Date:	23-Aug-2024 03:28:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	ic			Worklist Smp#:	15
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration / Propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

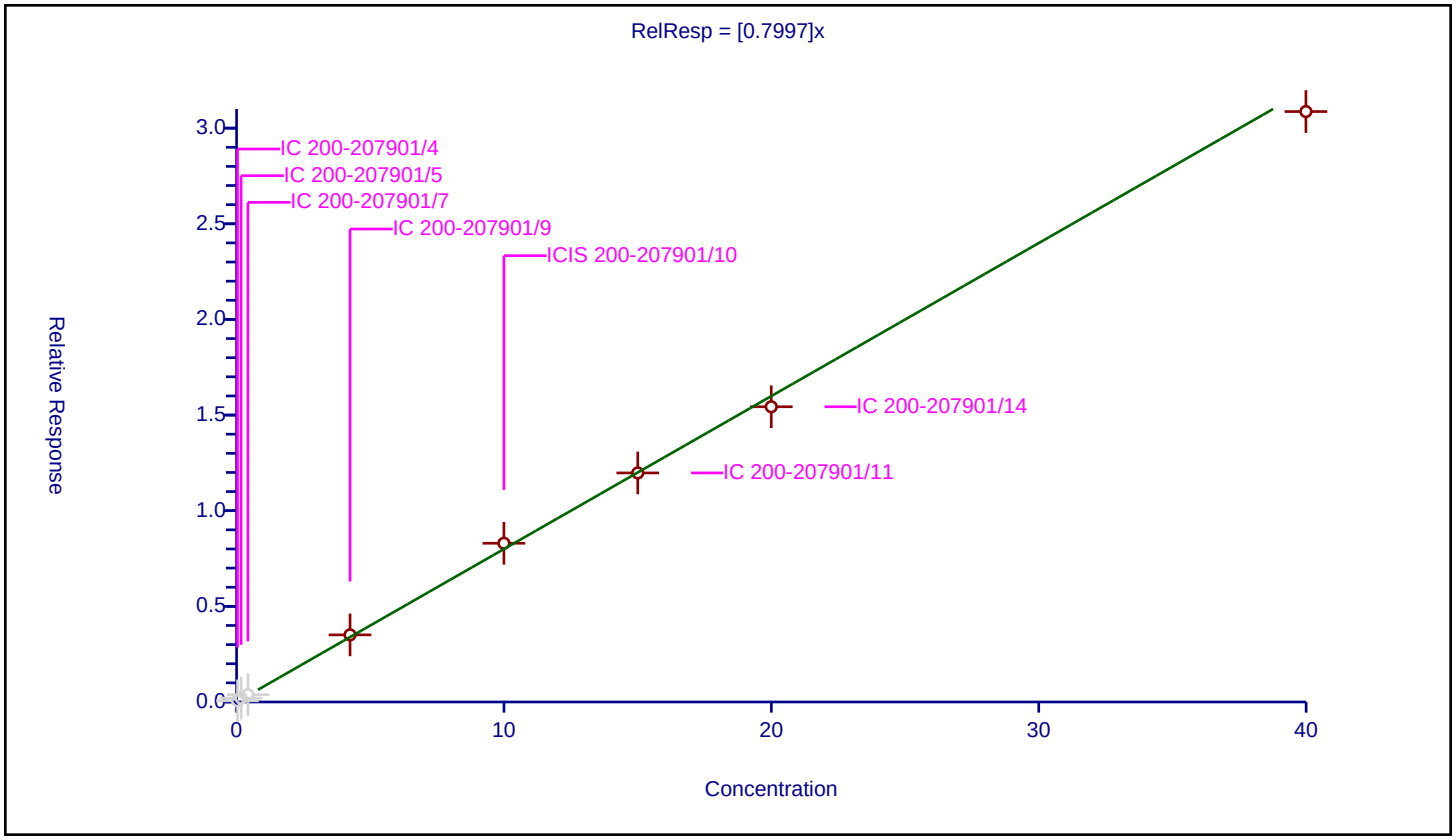
Curve Coefficients

Intercept:	0
Slope:	0.7997

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.06135	10.0	178321.0	1.749013	N
2	IC 200-207901/5	0.170374	0.201622	10.0	173245.0	1.18341	N
3	IC 200-207901/7	0.425385	0.379885	10.0	179765.0	0.893038	N
4	IC 200-207901/9	4.243678	3.507721	10.0	178090.0	0.826576	Y
5	ICIS 200-207901/10	9.99806	8.298603	10.0	186435.0	0.830021	Y
6	IC 200-207901/11	15.003557	11.974747	10.0	191503.0	0.798127	Y
7	IC 200-207901/14	19.99612	15.434955	10.0	191652.0	0.771898	Y
8	IC 200-207901/15	39.99224	30.867622	10.0	198439.0	0.77184	Y



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

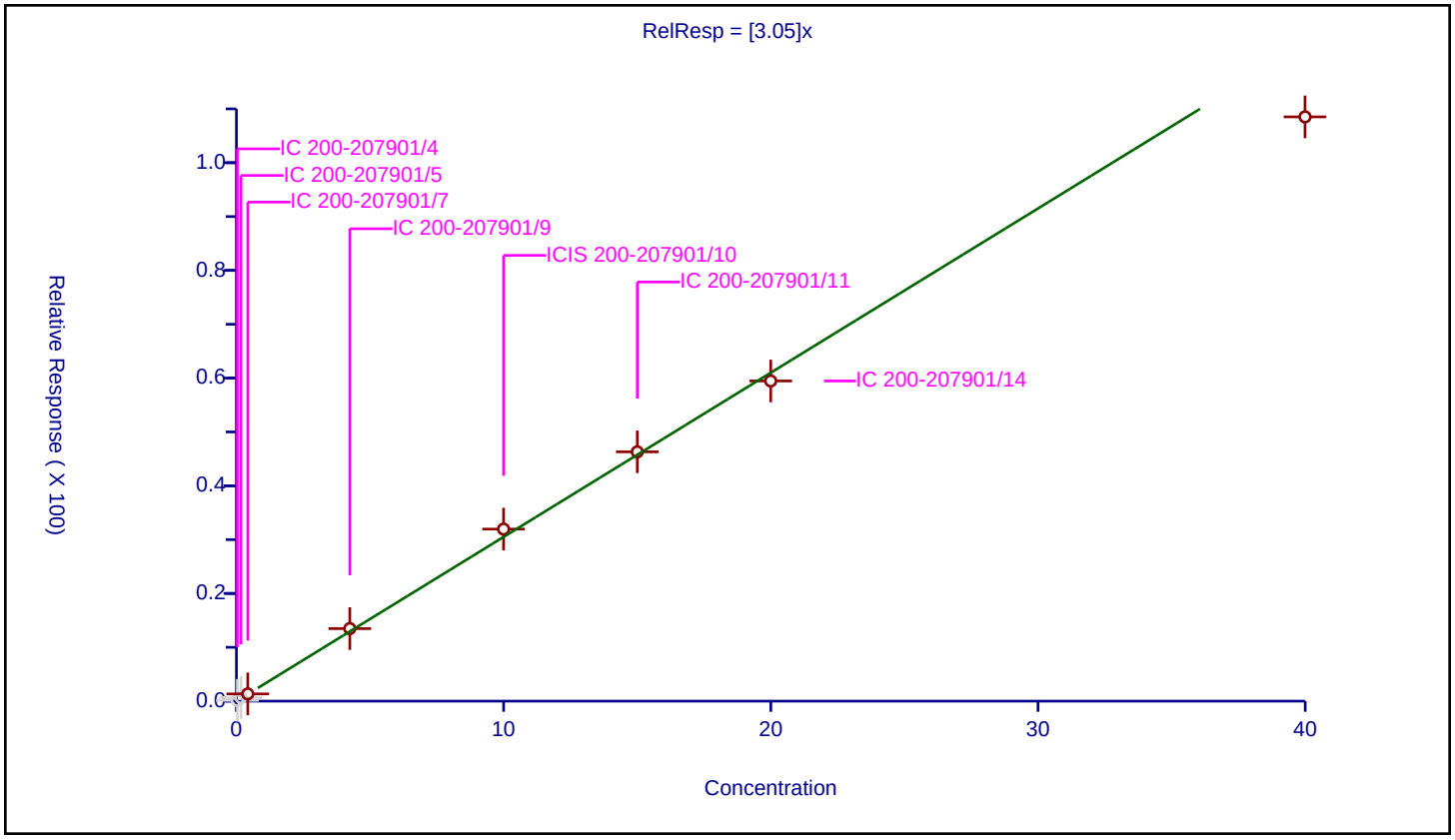
Curve Coefficients

Intercept:	0
Slope:	3.05

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.13958	10.0	178321.0	3.979245	N
2	IC 200-207901/5	0.170374	0.650928	10.0	173245.0	3.820589	N
3	IC 200-207901/7	0.425385	1.342753	10.0	179765.0	3.156562	Y
4	IC 200-207901/9	4.243678	13.47257	10.0	178090.0	3.174739	Y
5	ICIS 200-207901/10	9.99806	31.955749	10.0	186435.0	3.196195	Y
6	IC 200-207901/11	15.003557	46.302251	10.0	191503.0	3.086085	Y
7	IC 200-207901/14	19.99612	59.470394	10.0	191652.0	2.974097	Y
8	IC 200-207901/15	39.99224	108.518336	10.0	198439.0	2.713485	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

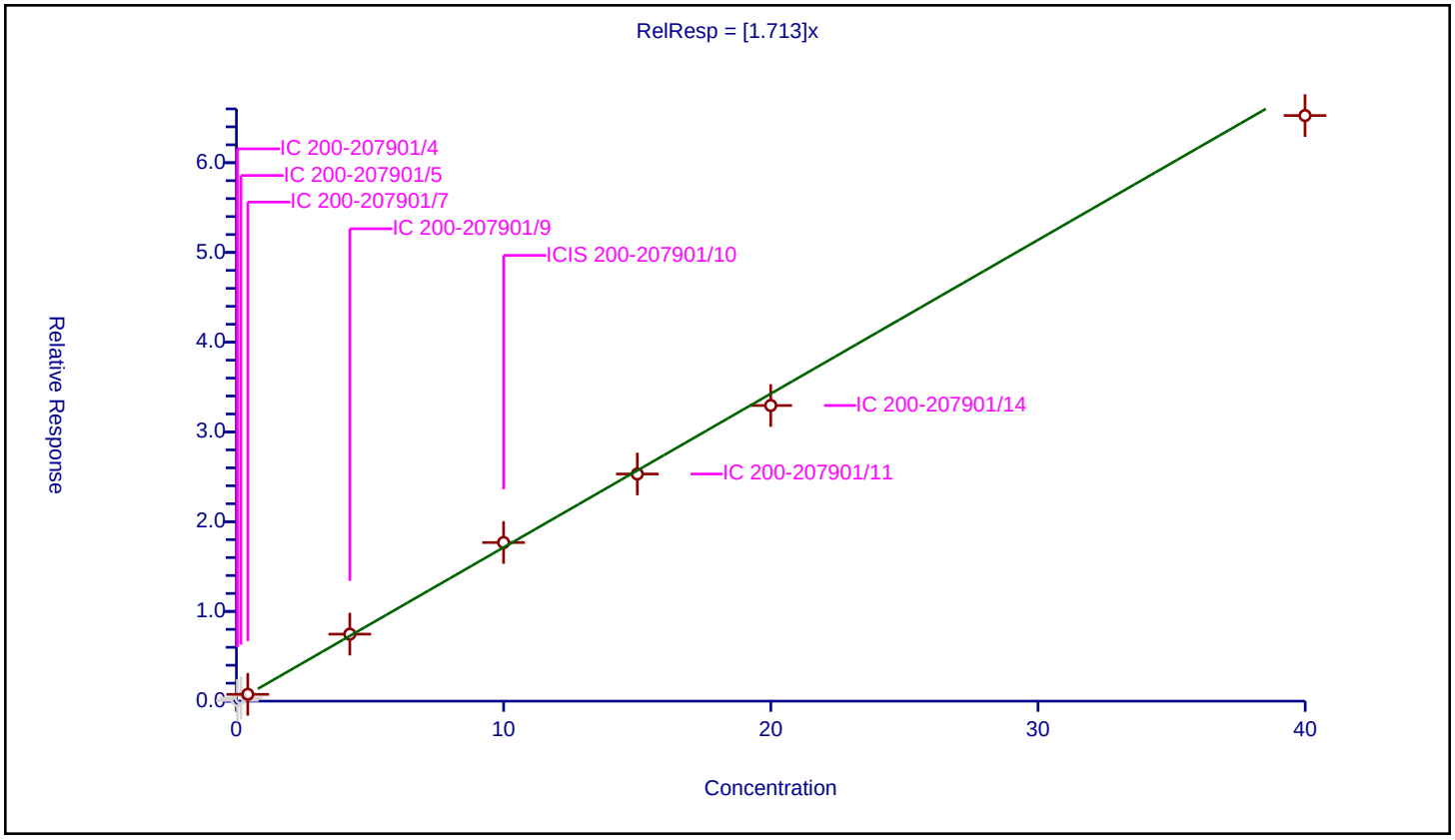
Curve Coefficients

Intercept:	0
Slope:	1.713

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.083052	10.0	178321.0	2.367723	N
2	IC 200-207901/5	0.170374	0.356547	10.0	173245.0	2.092735	N
3	IC 200-207901/7	0.425385	0.759603	10.0	179765.0	1.785684	Y
4	IC 200-207901/9	4.243678	7.464877	10.0	178090.0	1.759058	Y
5	ICIS 200-207901/10	9.99806	17.675168	10.0	186435.0	1.76786	Y
6	IC 200-207901/11	15.003557	25.312711	10.0	191503.0	1.687114	Y
7	IC 200-207901/14	19.99612	32.946643	10.0	191652.0	1.647652	Y
8	IC 200-207901/15	39.99224	65.256527	10.0	198439.0	1.63173	Y



Calibration / 1,2-Dichloro-1,1,2,2-tetrafluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

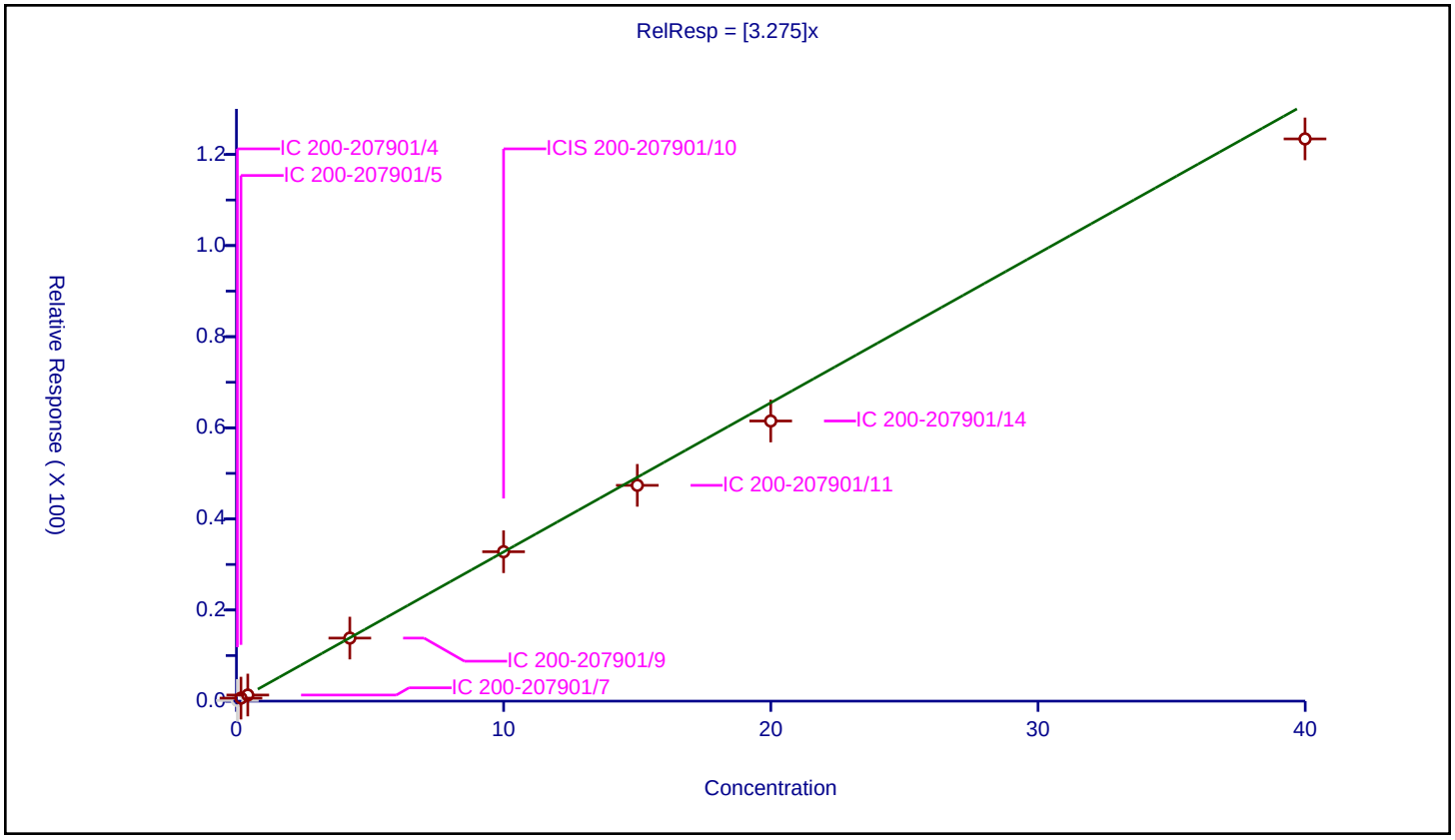
Curve Coefficients

Intercept:	0
Slope:	3.275

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.141038	10.0	178321.0	4.020812	N
2	IC 200-207901/5	0.170374	0.665647	10.0	173245.0	3.906981	Y
3	IC 200-207901/7	0.425385	1.344255	10.0	179765.0	3.160093	Y
4	IC 200-207901/9	4.243678	13.843675	10.0	178090.0	3.262187	Y
5	ICIS 200-207901/10	9.99806	32.793789	10.0	186435.0	3.280015	Y
6	IC 200-207901/11	15.003557	47.371529	10.0	191503.0	3.157353	Y
7	IC 200-207901/14	19.99612	61.492132	10.0	191652.0	3.075203	Y
8	IC 200-207901/15	39.99224	123.408806	10.0	198439.0	3.085819	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

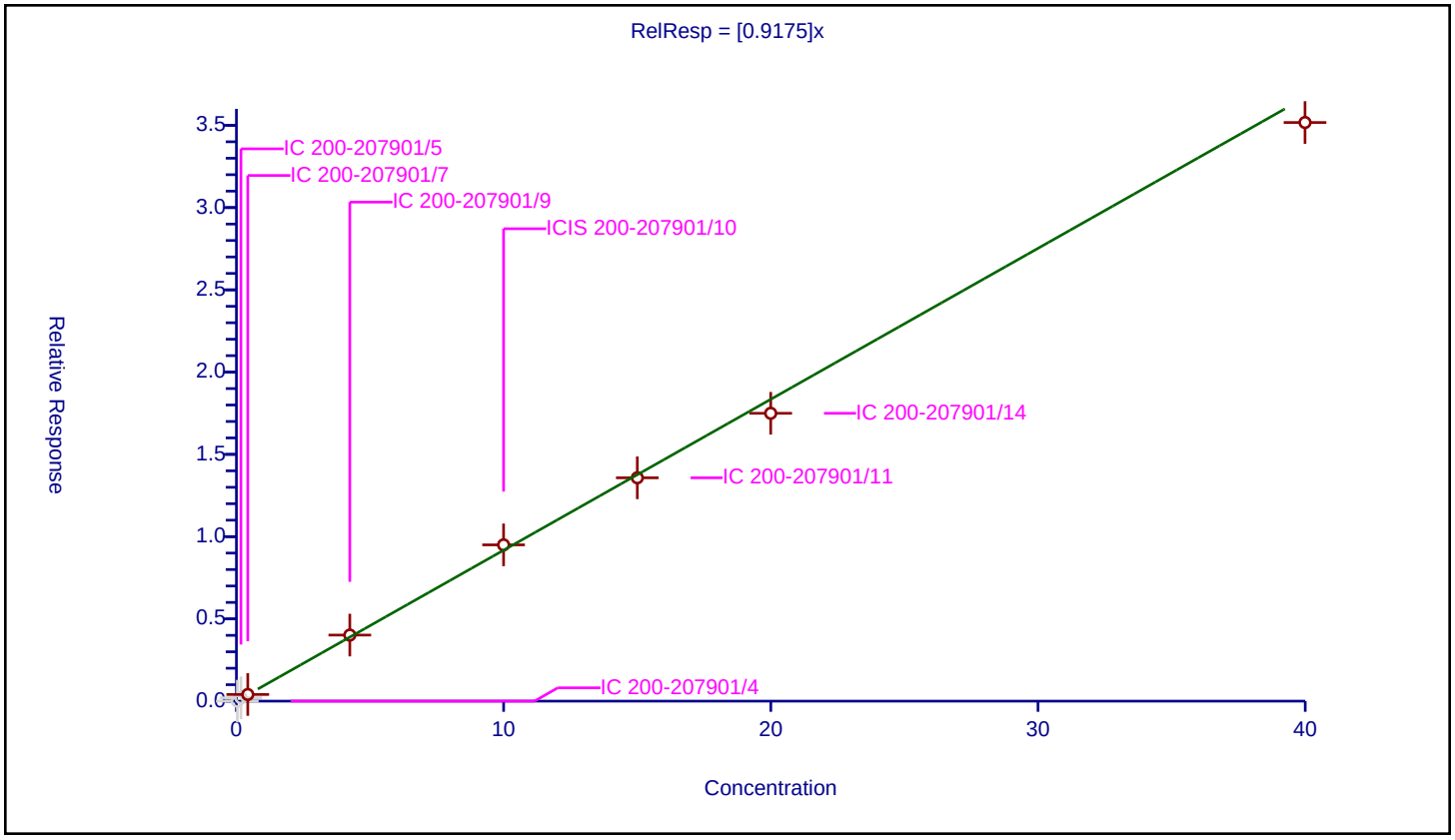
Curve Coefficients

Intercept:	0
Slope:	0.9175

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.170374	0.2037	10.0	173245.0	1.195607	N
3	IC 200-207901/7	0.425385	0.403805	10.0	179765.0	0.94927	Y
4	IC 200-207901/9	4.243678	4.015498	10.0	178090.0	0.94623	Y
5	ICIS 200-207901/10	9.99806	9.499504	10.0	186435.0	0.950135	Y
6	IC 200-207901/11	15.003557	13.575923	10.0	191503.0	0.904847	Y
7	IC 200-207901/14	19.99612	17.497026	10.0	191652.0	0.875021	Y
8	IC 200-207901/15	39.99224	35.172773	10.0	198439.0	0.87949	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

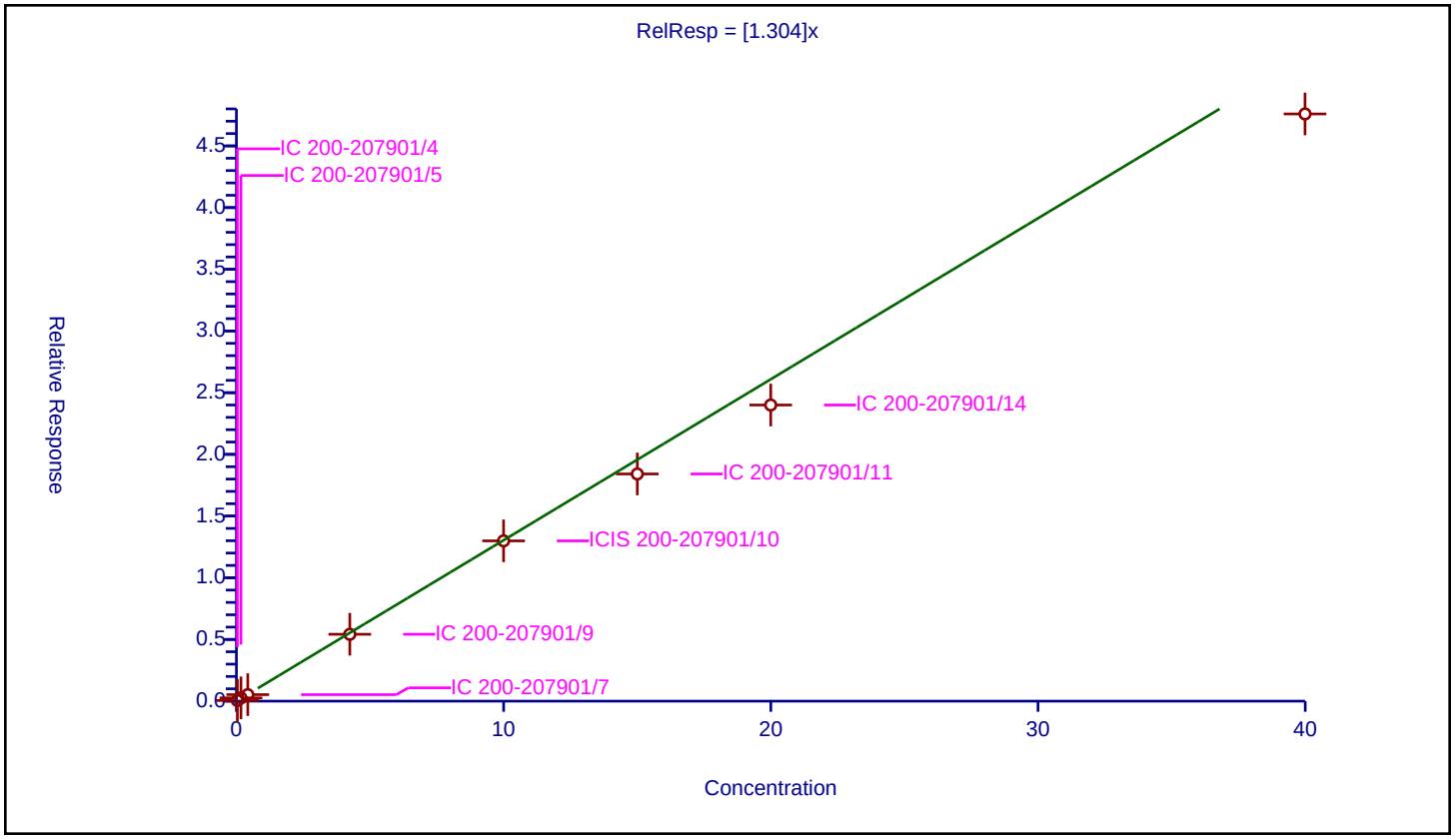
Curve Coefficients

Intercept:	0
Slope:	1.304

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.050975	10.0	178321.0	1.453248	Y
2	IC 200-207901/5	0.170374	0.263961	10.0	173245.0	1.549308	Y
3	IC 200-207901/7	0.425385	0.5273	10.0	179765.0	1.239583	Y
4	IC 200-207901/9	4.243678	5.418833	10.0	178090.0	1.276919	Y
5	ICIS 200-207901/10	9.99806	12.989138	10.0	186435.0	1.299166	Y
6	IC 200-207901/11	15.003557	18.412088	10.0	191503.0	1.227182	Y
7	IC 200-207901/14	19.99612	24.000897	10.0	191652.0	1.200278	Y
8	IC 200-207901/15	39.99224	47.590292	10.0	198439.0	1.189988	Y



Calibration / Butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

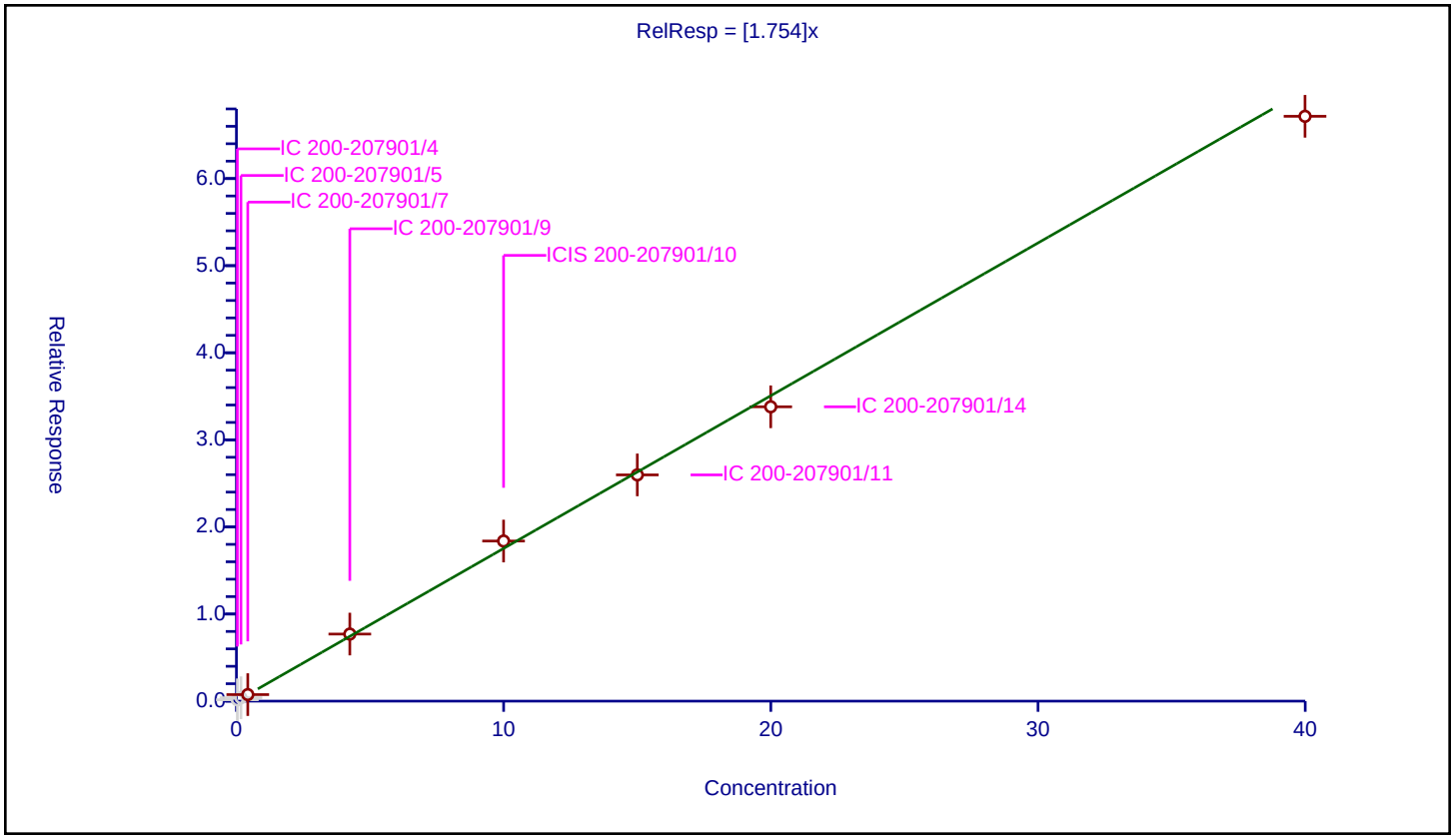
Curve Coefficients

Intercept:	0
Slope:	1.754

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.154441	10.0	178321.0	4.402909	N
2	IC 200-207901/5	0.170374	0.392046	10.0	173245.0	2.301094	N
3	IC 200-207901/7	0.425385	0.751759	10.0	179765.0	1.767246	Y
4	IC 200-207901/9	4.243678	7.702005	10.0	178090.0	1.814936	Y
5	ICIS 200-207901/10	9.99806	18.383887	10.0	186435.0	1.838745	Y
6	IC 200-207901/11	15.003557	25.97787	10.0	191503.0	1.731447	Y
7	IC 200-207901/14	19.99612	33.796673	10.0	191652.0	1.690162	Y
8	IC 200-207901/15	39.99224	67.1493	10.0	198439.0	1.679058	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

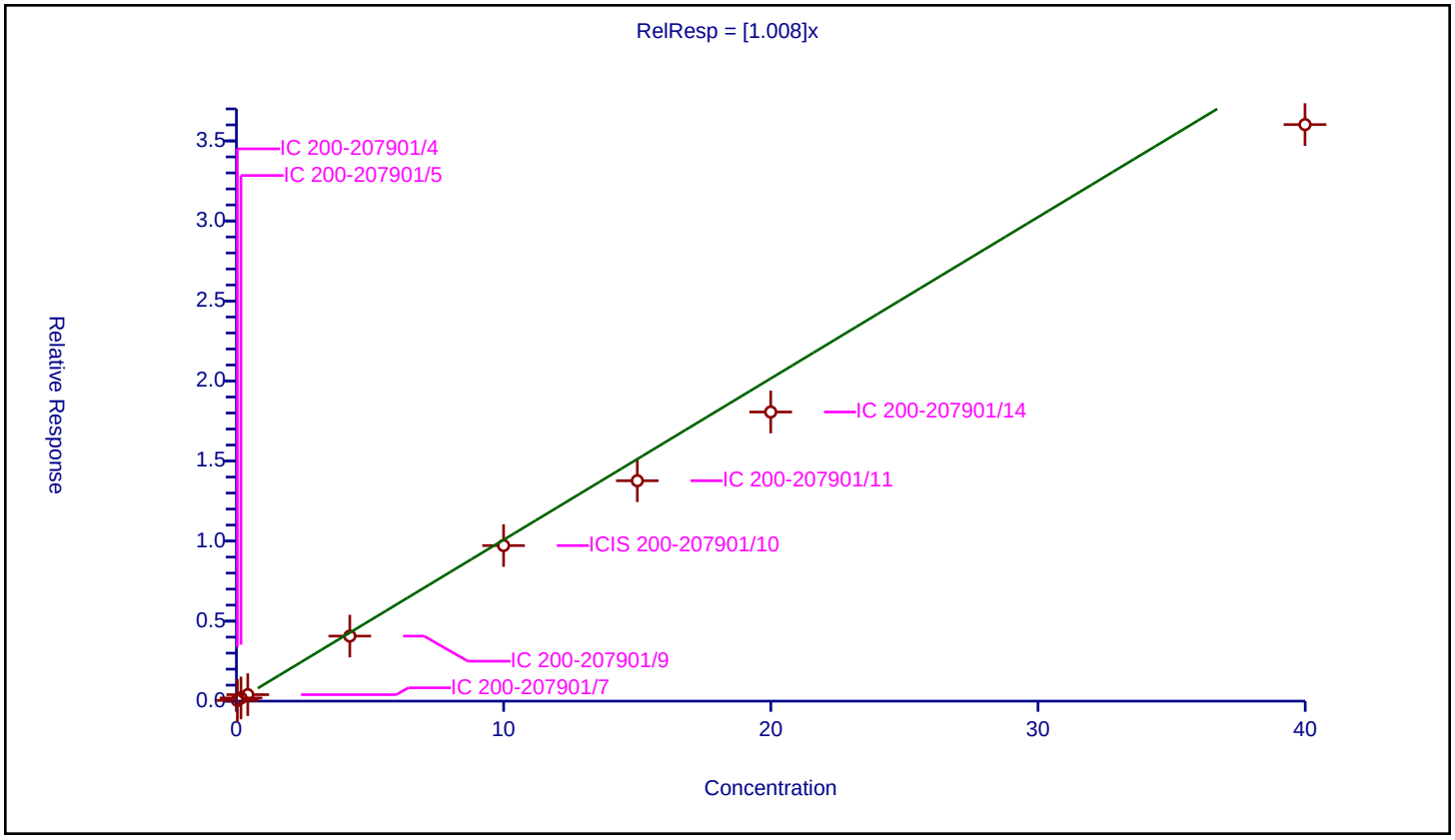
Curve Coefficients

Intercept:	0
Slope:	1.008

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.045255	10.0	178321.0	1.290177	Y
2	IC 200-207901/5	0.170374	0.199082	10.0	173245.0	1.168503	Y
3	IC 200-207901/7	0.425385	0.405529	10.0	179765.0	0.953324	Y
4	IC 200-207901/9	4.243678	4.064406	10.0	178090.0	0.957755	Y
5	ICIS 200-207901/10	9.99806	9.719634	10.0	186435.0	0.972152	Y
6	IC 200-207901/11	15.003557	13.769288	10.0	191503.0	0.917735	Y
7	IC 200-207901/14	19.99612	18.064095	10.0	191652.0	0.90338	Y
8	IC 200-207901/15	39.99224	36.02044	10.0	198439.0	0.900686	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

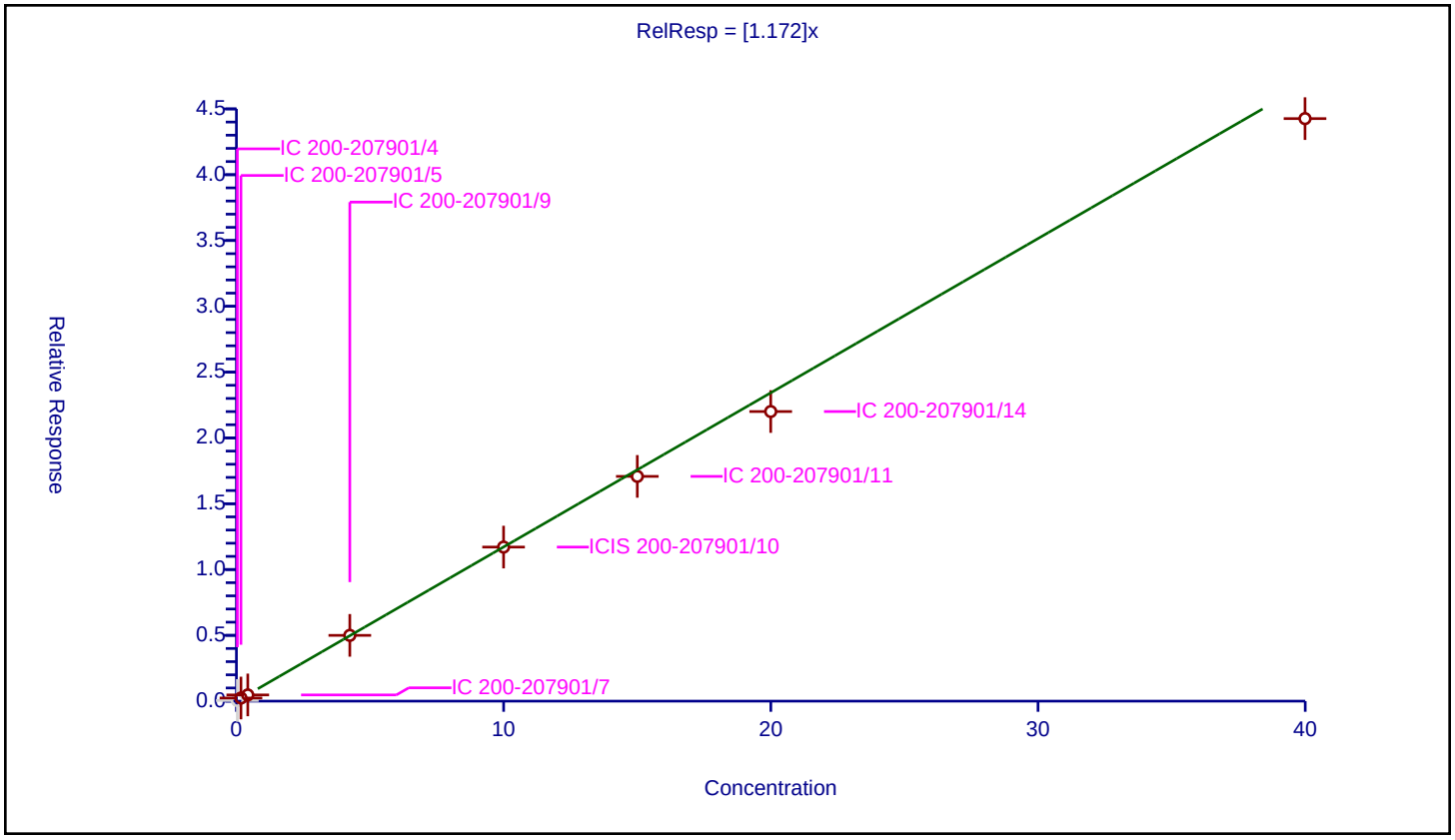
Curve Coefficients

Intercept:	0
Slope:	1.172

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.049069	10.0	178321.0	1.398891	N
2	IC 200-207901/5	0.170374	0.23816	10.0	173245.0	1.397867	Y
3	IC 200-207901/7	0.425385	0.471949	10.0	179765.0	1.109465	Y
4	IC 200-207901/9	4.243678	4.997529	10.0	178090.0	1.177641	Y
5	ICIS 200-207901/10	9.99806	11.706332	10.0	186435.0	1.17086	Y
6	IC 200-207901/11	15.003557	17.077696	10.0	191503.0	1.138243	Y
7	IC 200-207901/14	19.99612	22.004675	10.0	191652.0	1.100447	Y
8	IC 200-207901/15	39.99224	44.260856	10.0	198439.0	1.106736	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

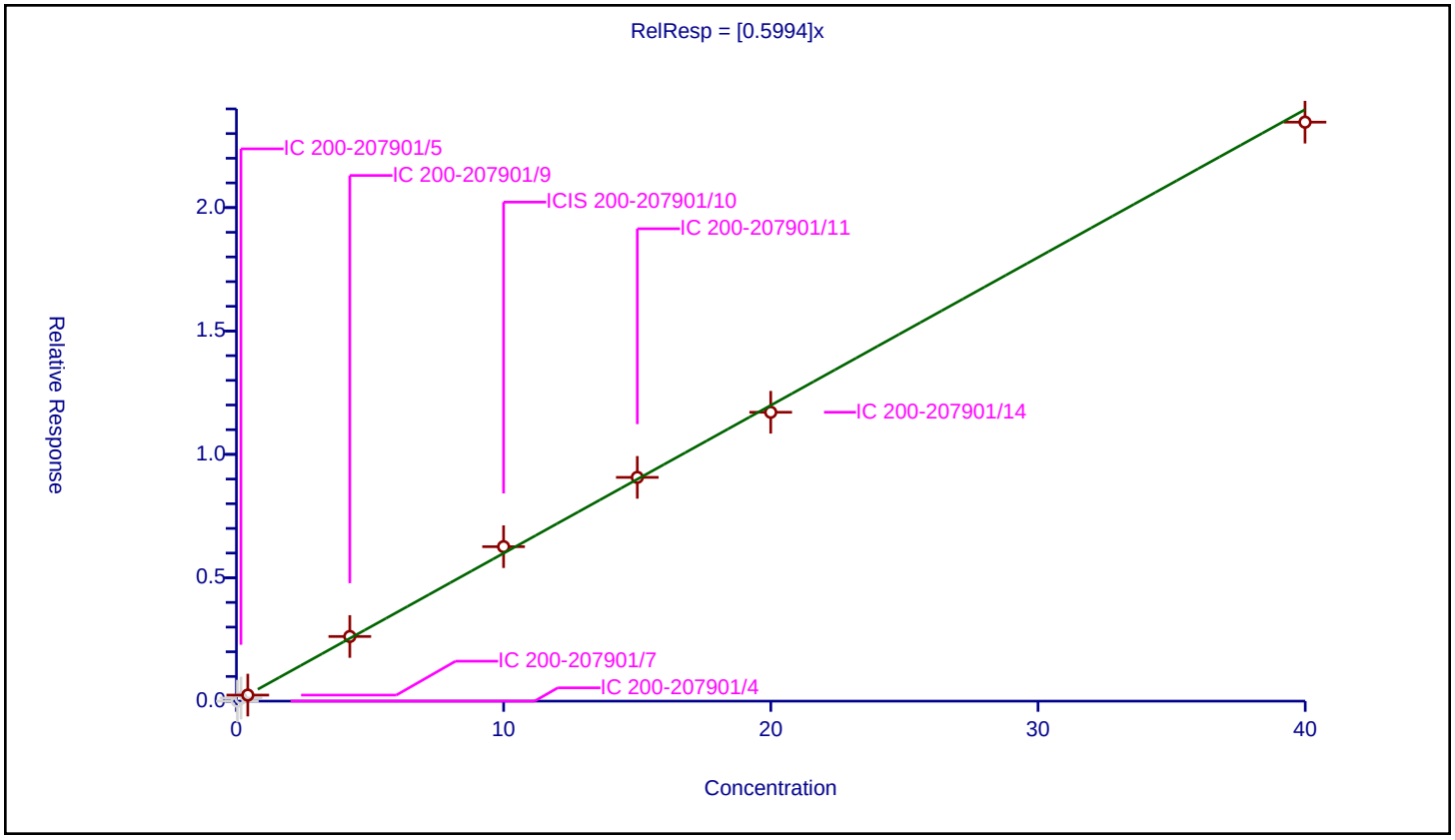
Curve Coefficients

Intercept:	0
Slope:	0.5994

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.170374	0.125718	10.0	173245.0	0.737895	N
3	IC 200-207901/7	0.425385	0.245265	10.0	179765.0	0.576571	Y
4	IC 200-207901/9	4.243678	2.619518	10.0	178090.0	0.617275	Y
5	ICIS 200-207901/10	9.99806	6.259447	10.0	186435.0	0.626066	Y
6	IC 200-207901/11	15.003557	9.067795	10.0	191503.0	0.604376	Y
7	IC 200-207901/14	19.99612	11.706791	10.0	191652.0	0.585453	Y
8	IC 200-207901/15	39.99224	23.462323	10.0	198439.0	0.586672	Y



Calibration / 2-Methylbutane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

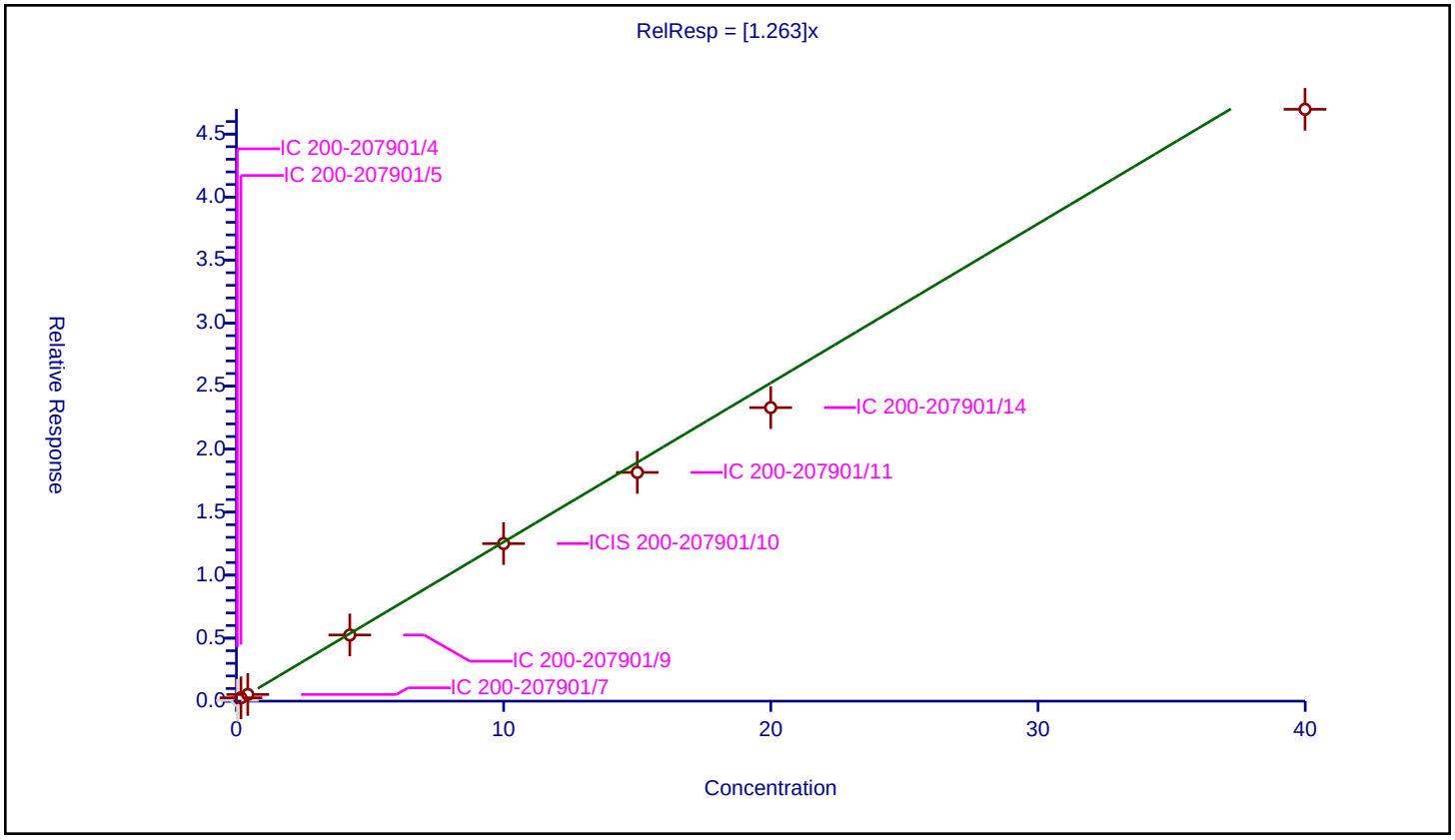
Curve Coefficients

Intercept:	0
Slope:	1.263

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.062808	10.0	178321.0	1.79058	N
2	IC 200-207901/5	0.170374	0.26552	10.0	173245.0	1.558456	Y
3	IC 200-207901/7	0.425385	0.52908	10.0	179765.0	1.243767	Y
4	IC 200-207901/9	4.243678	5.252344	10.0	178090.0	1.237687	Y
5	ICIS 200-207901/10	9.99806	12.503607	10.0	186435.0	1.250603	Y
6	IC 200-207901/11	15.003557	18.151413	10.0	191503.0	1.209807	Y
7	IC 200-207901/14	19.99612	23.292895	10.0	191652.0	1.164871	Y
8	IC 200-207901/15	39.99224	46.968741	10.0	198439.0	1.174446	Y



Calibration / Vinyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

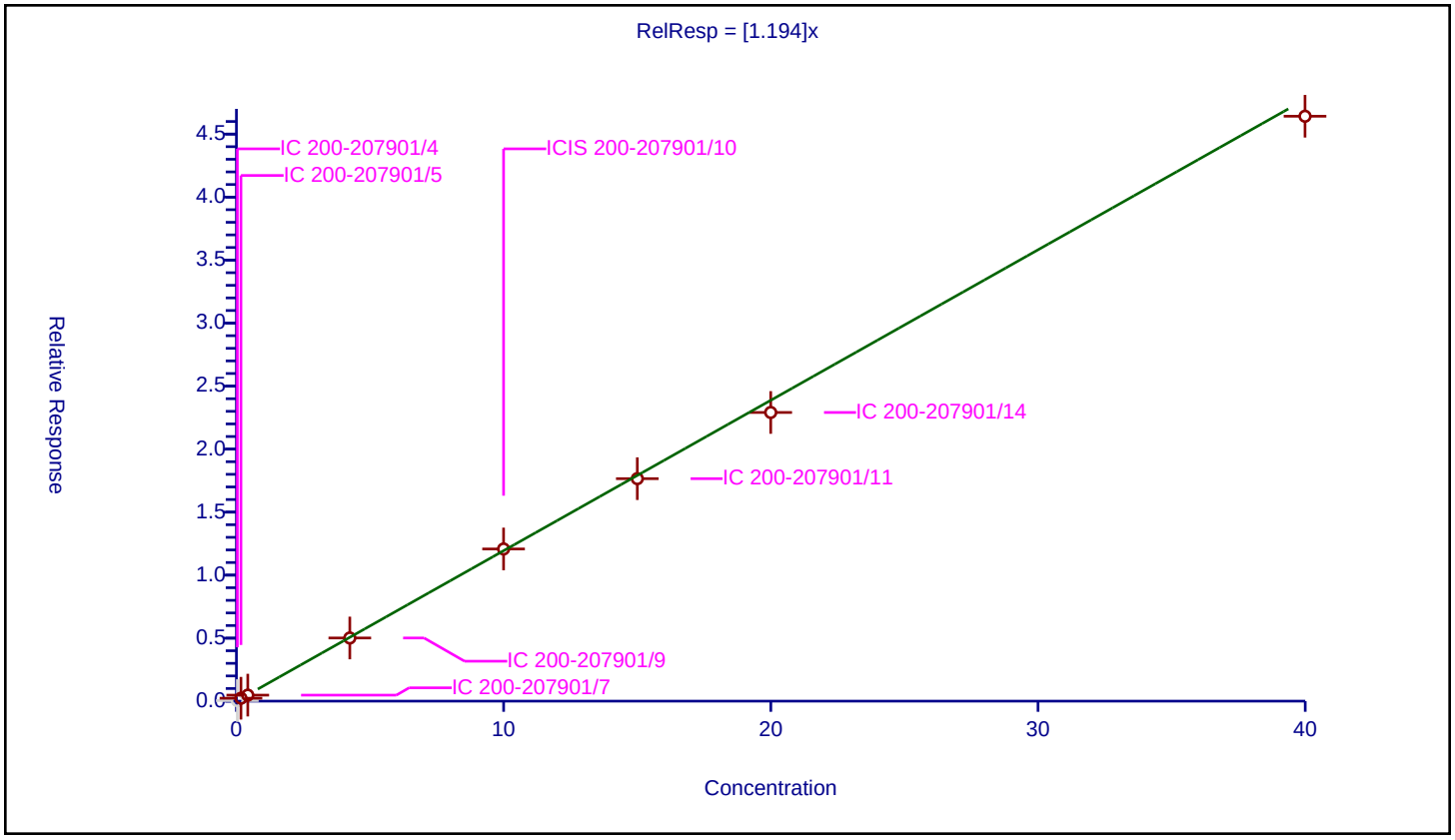
Curve Coefficients

Intercept:	0
Slope:	1.194

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.044022	10.0	178321.0	1.255005	N
2	IC 200-207901/5	0.170374	0.232099	10.0	173245.0	1.362294	Y
3	IC 200-207901/7	0.425385	0.477679	10.0	179765.0	1.122935	Y
4	IC 200-207901/9	4.243678	5.01196	10.0	178090.0	1.181041	Y
5	ICIS 200-207901/10	9.99806	12.07622	10.0	186435.0	1.207856	Y
6	IC 200-207901/11	15.003557	17.655964	10.0	191503.0	1.176785	Y
7	IC 200-207901/14	19.99612	22.909492	10.0	191652.0	1.145697	Y
8	IC 200-207901/15	39.99224	46.416077	10.0	198439.0	1.160627	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

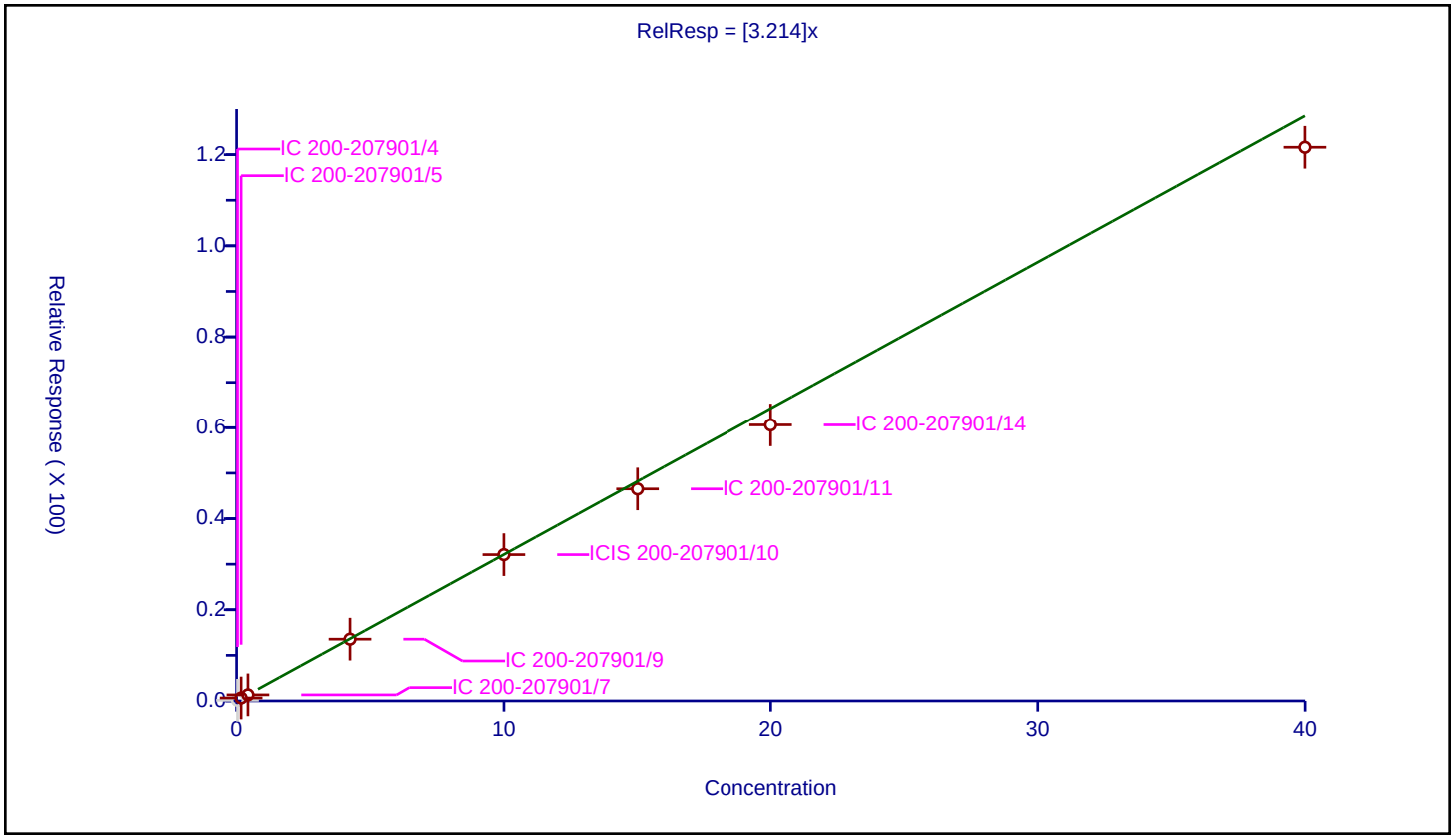
Curve Coefficients

Intercept:	0
Slope:	3.214

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.137168	10.0	178321.0	3.9105	N
2	IC 200-207901/5	0.170374	0.646368	10.0	173245.0	3.793824	Y
3	IC 200-207901/7	0.425385	1.328512	10.0	179765.0	3.123084	Y
4	IC 200-207901/9	4.243678	13.550227	10.0	178090.0	3.193038	Y
5	ICIS 200-207901/10	9.99806	32.101269	10.0	186435.0	3.21075	Y
6	IC 200-207901/11	15.003557	46.532848	10.0	191503.0	3.101454	Y
7	IC 200-207901/14	19.99612	60.61476	10.0	191652.0	3.031326	Y
8	IC 200-207901/15	39.99224	121.619843	10.0	198439.0	3.041086	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

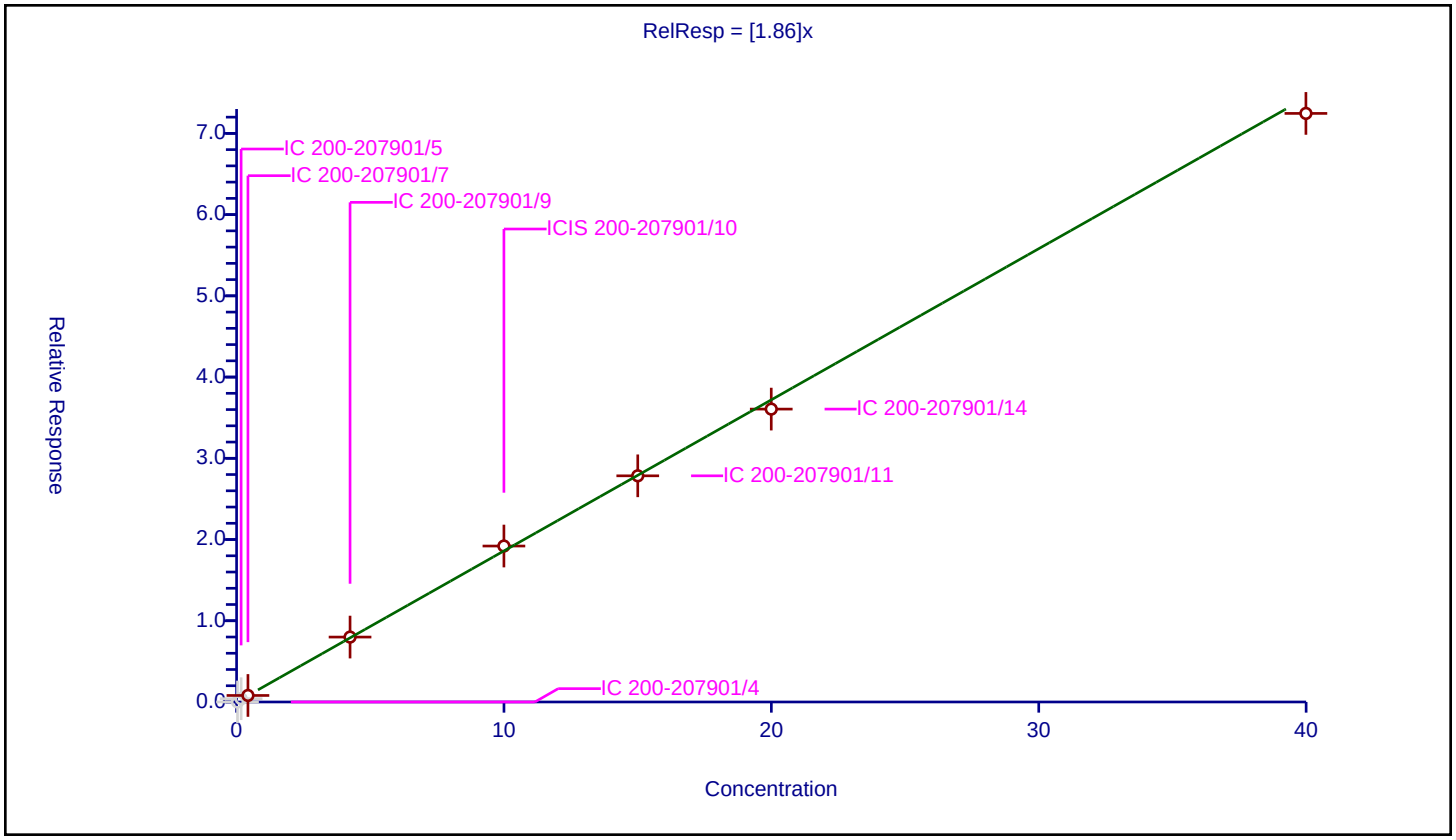
Curve Coefficients

Intercept:	0
Slope:	1.86

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.170374	0.405784	10.0	173245.0	2.381727	N
3	IC 200-207901/7	0.425385	0.802548	10.0	179765.0	1.88664	Y
4	IC 200-207901/9	4.243678	7.990735	10.0	178090.0	1.882974	Y
5	ICIS 200-207901/10	9.99806	19.198809	10.0	186435.0	1.920253	Y
6	IC 200-207901/11	15.003557	27.84395	10.0	191503.0	1.855823	Y
7	IC 200-207901/14	19.99612	36.056029	10.0	191652.0	1.803151	Y
8	IC 200-207901/15	39.99224	72.459849	10.0	198439.0	1.811848	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

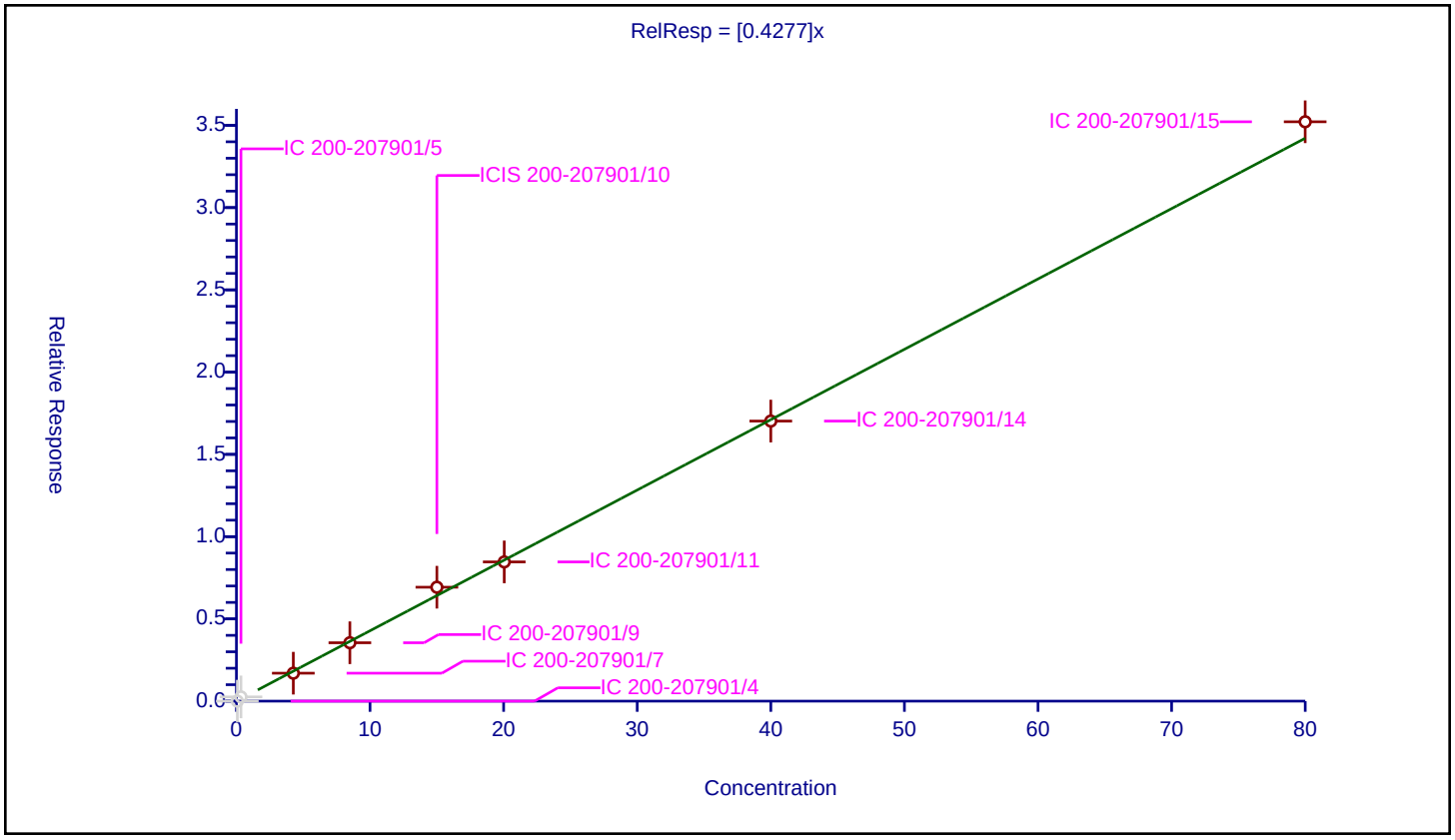
Curve Coefficients

Intercept:	0
Slope:	0.4277

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.070165	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.340803	0.256689	10.0	173245.0	0.753188	N
3	IC 200-207901/7	4.259043	1.698495	10.0	179765.0	0.398797	Y
4	IC 200-207901/9	8.492854	3.549497	10.0	178090.0	0.417939	Y
5	ICIS 200-207901/10	15.003557	6.924558	10.0	186435.0	0.461528	Y
6	IC 200-207901/11	20.047856	8.462374	10.0	191503.0	0.422109	Y
7	IC 200-207901/14	39.998707	17.024294	10.0	191652.0	0.425621	Y
8	IC 200-207901/15	79.997413	35.21712	10.0	198439.0	0.440228	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

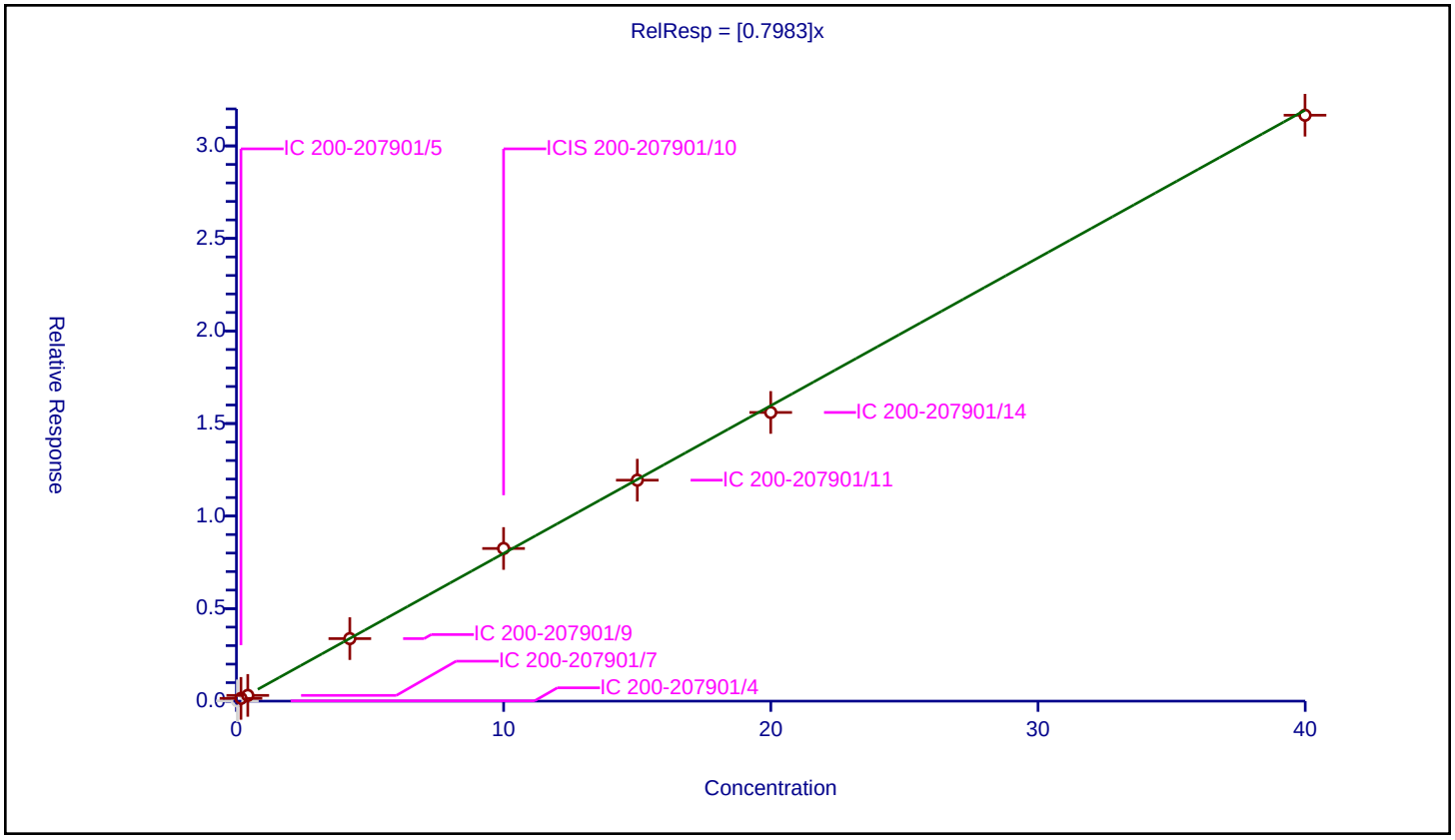
Curve Coefficients

Intercept:	0
Slope:	0.7983

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.014749	10.0	178321.0	0.420467	N
2	IC 200-207901/5	0.170374	0.148229	10.0	173245.0	0.870025	Y
3	IC 200-207901/7	0.425385	0.310517	10.0	179765.0	0.729966	Y
4	IC 200-207901/9	4.243678	3.37773	10.0	178090.0	0.795944	Y
5	ICIS 200-207901/10	9.99806	8.2477	10.0	186435.0	0.82493	Y
6	IC 200-207901/11	15.003557	11.939552	10.0	191503.0	0.795781	Y
7	IC 200-207901/14	19.99612	15.599055	10.0	191652.0	0.780104	Y
8	IC 200-207901/15	39.99224	31.658898	10.0	198439.0	0.791626	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

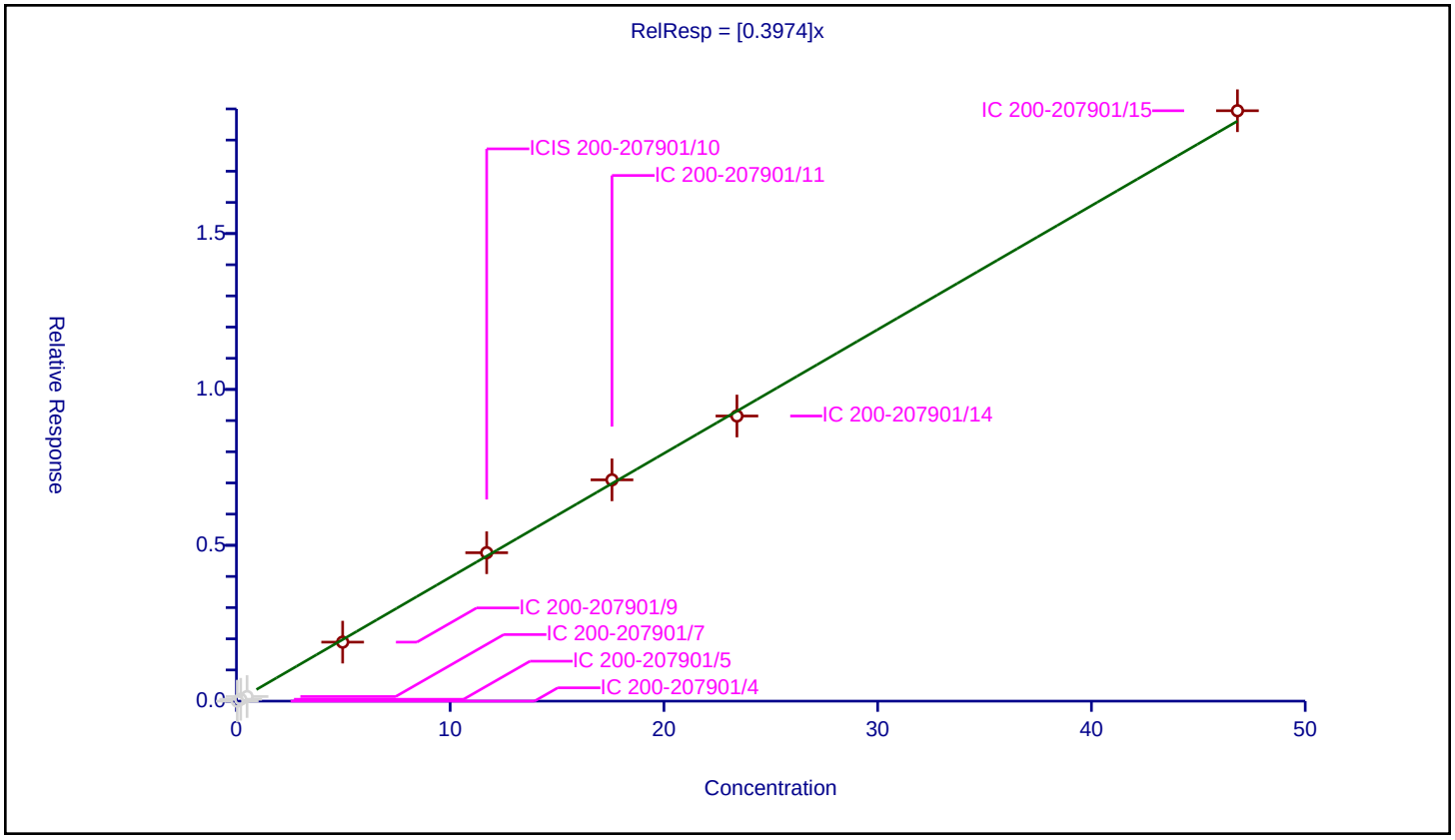
Curve Coefficients

Intercept:	0
Slope:	0.3974

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.041075	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.199508	0.060319	10.0	173245.0	0.30234	N
3	IC 200-207901/7	0.498125	0.147637	10.0	179765.0	0.296386	N
4	IC 200-207901/9	4.969347	1.893032	10.0	178090.0	0.380942	Y
5	ICIS 200-207901/10	11.707728	4.761713	10.0	186435.0	0.406715	Y
6	IC 200-207901/11	17.569165	7.099471	10.0	191503.0	0.404087	Y
7	IC 200-207901/14	23.415456	9.147152	10.0	191652.0	0.390646	Y
8	IC 200-207901/15	46.830913	18.941136	10.0	198439.0	0.404458	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

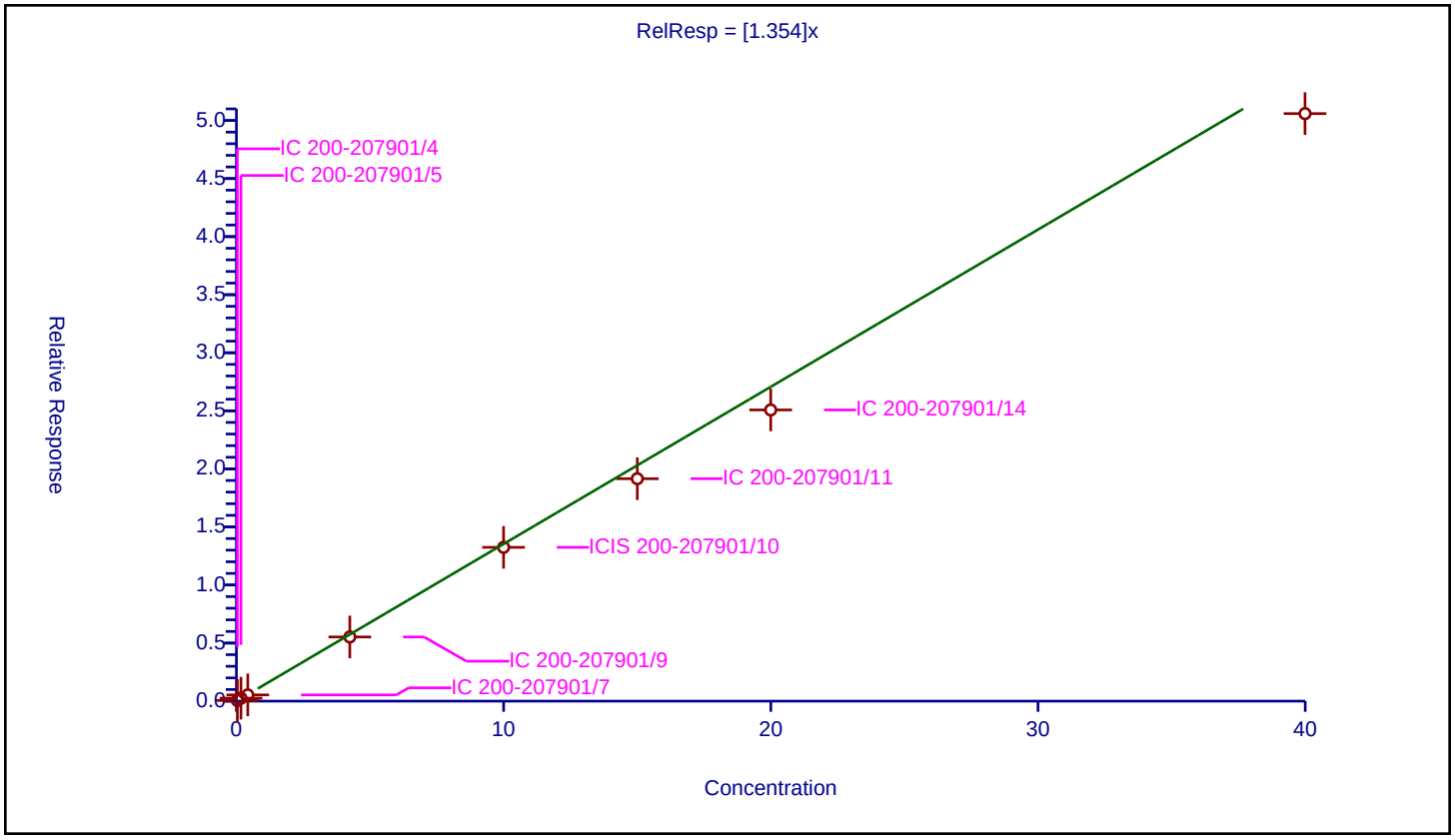
Curve Coefficients

Intercept:	0
Slope:	1.354

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.057593	10.0	178321.0	1.641898	Y
2	IC 200-207901/5	0.170374	0.255361	10.0	173245.0	1.498828	Y
3	IC 200-207901/7	0.425385	0.53798	10.0	179765.0	1.264691	Y
4	IC 200-207901/9	4.243678	5.527374	10.0	178090.0	1.302496	Y
5	ICIS 200-207901/10	9.99806	13.24467	10.0	186435.0	1.324724	Y
6	IC 200-207901/11	15.003557	19.154582	10.0	191503.0	1.276669	Y
7	IC 200-207901/14	19.99612	25.077275	10.0	191652.0	1.254107	Y
8	IC 200-207901/15	39.99224	50.594944	10.0	198439.0	1.265119	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

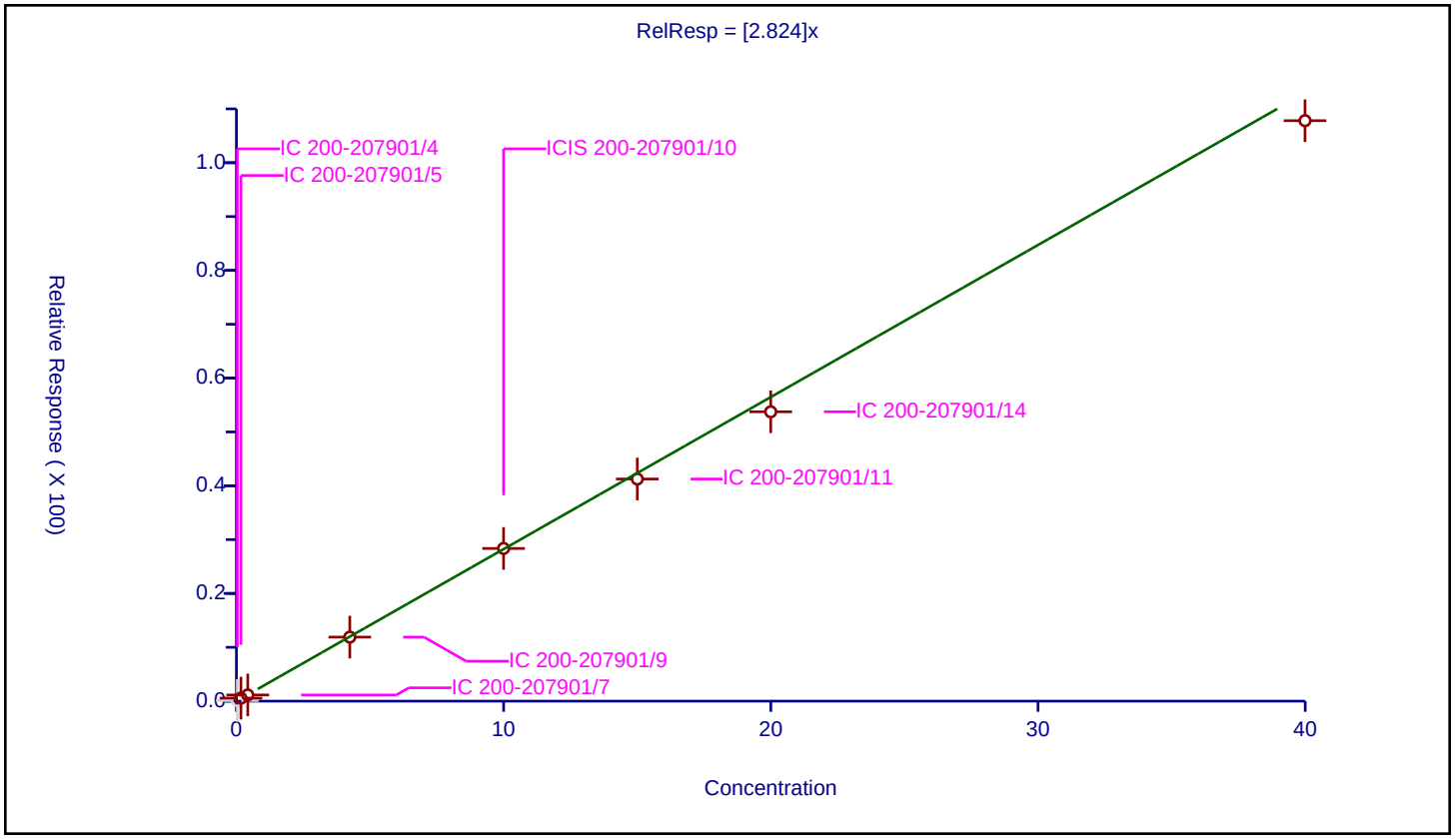
Curve Coefficients

Intercept:	0
Slope:	2.824

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.117148	10.0	178321.0	3.339752	N
2	IC 200-207901/5	0.170374	0.561459	10.0	173245.0	3.295457	Y
3	IC 200-207901/7	0.425385	1.148444	10.0	179765.0	2.699777	Y
4	IC 200-207901/9	4.243678	11.89612	10.0	178090.0	2.803257	Y
5	ICIS 200-207901/10	9.99806	28.357175	10.0	186435.0	2.836268	Y
6	IC 200-207901/11	15.003557	41.255489	10.0	191503.0	2.749714	Y
7	IC 200-207901/14	19.99612	53.742252	10.0	191652.0	2.687634	Y
8	IC 200-207901/15	39.99224	107.809654	10.0	198439.0	2.695764	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

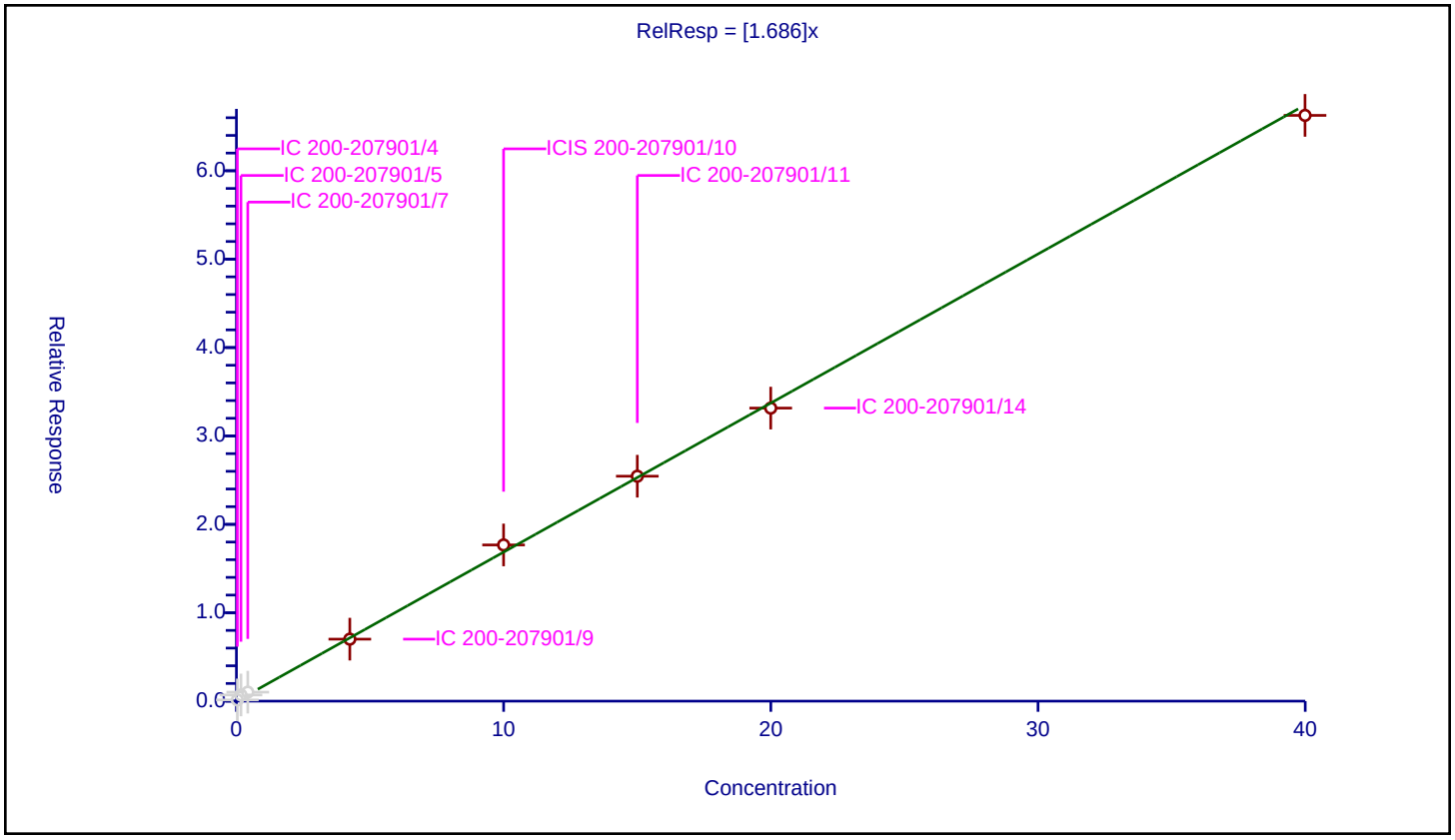
Curve Coefficients

Intercept:	0
Slope:	1.686

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.138458	10.0	178321.0	3.94727	N
2	IC 200-207901/5	0.170374	0.69647	10.0	173245.0	4.087898	N
3	IC 200-207901/7	0.425385	1.017106	10.0	179765.0	2.391026	N
4	IC 200-207901/9	4.243678	7.013027	10.0	178090.0	1.652582	Y
5	ICIS 200-207901/10	9.99806	17.671092	10.0	186435.0	1.767452	Y
6	IC 200-207901/11	15.003557	25.445554	10.0	191503.0	1.695968	Y
7	IC 200-207901/14	19.99612	33.149824	10.0	191652.0	1.657813	Y
8	IC 200-207901/15	39.99224	66.265149	10.0	198439.0	1.65695	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

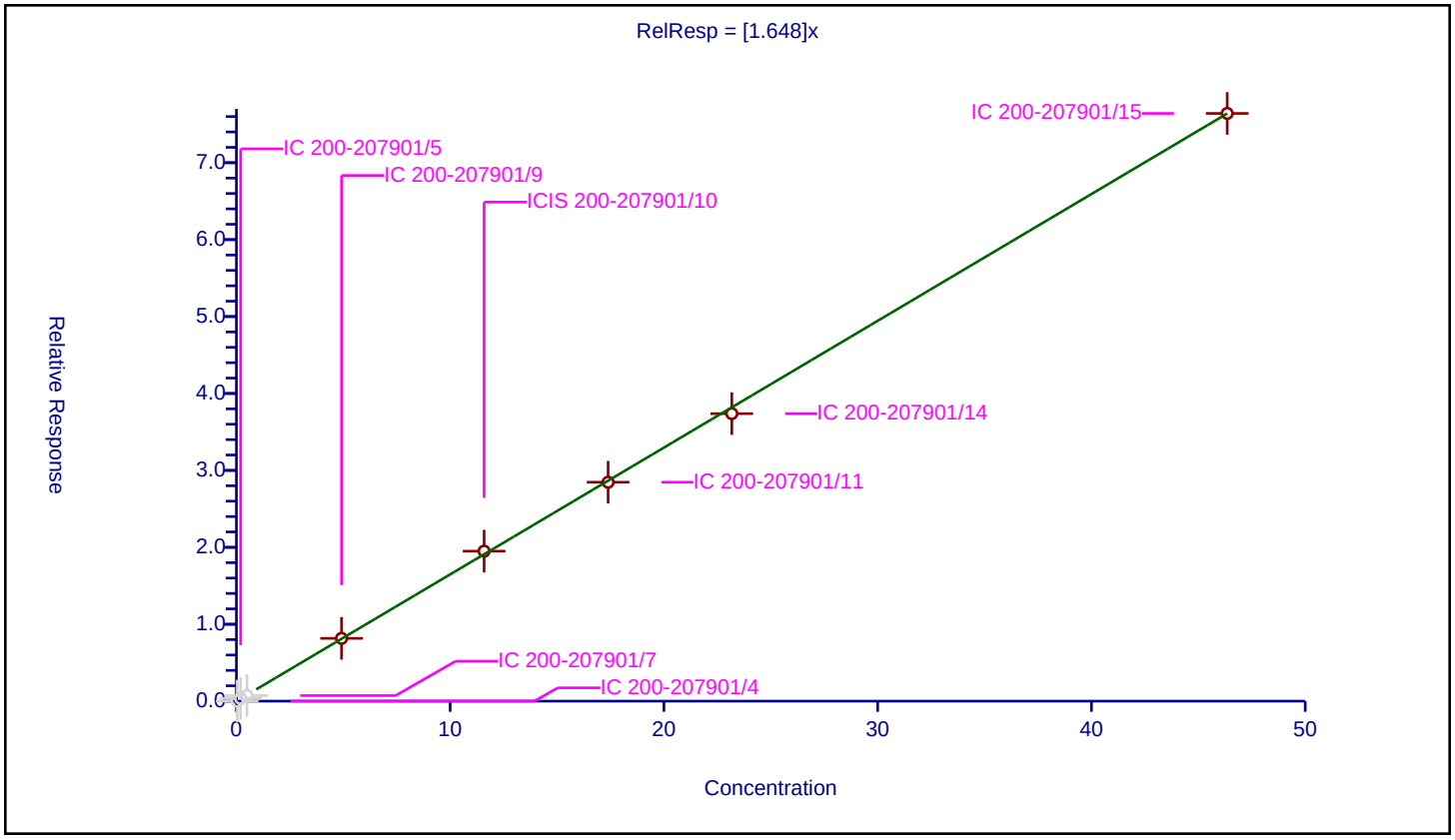
Curve Coefficients

Intercept:	0
Slope:	1.648

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.040654	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.197463	0.359087	10.0	173245.0	1.818501	N
3	IC 200-207901/7	0.493021	0.723055	10.0	179765.0	1.466581	N
4	IC 200-207901/9	4.918423	8.163288	10.0	178090.0	1.659737	Y
5	ICIS 200-207901/10	11.587751	19.502025	10.0	186435.0	1.682986	Y
6	IC 200-207901/11	17.389122	28.462687	10.0	191503.0	1.63681	Y
7	IC 200-207901/14	23.175503	37.377486	10.0	191652.0	1.612802	Y
8	IC 200-207901/15	46.351006	76.408216	10.0	198439.0	1.648469	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

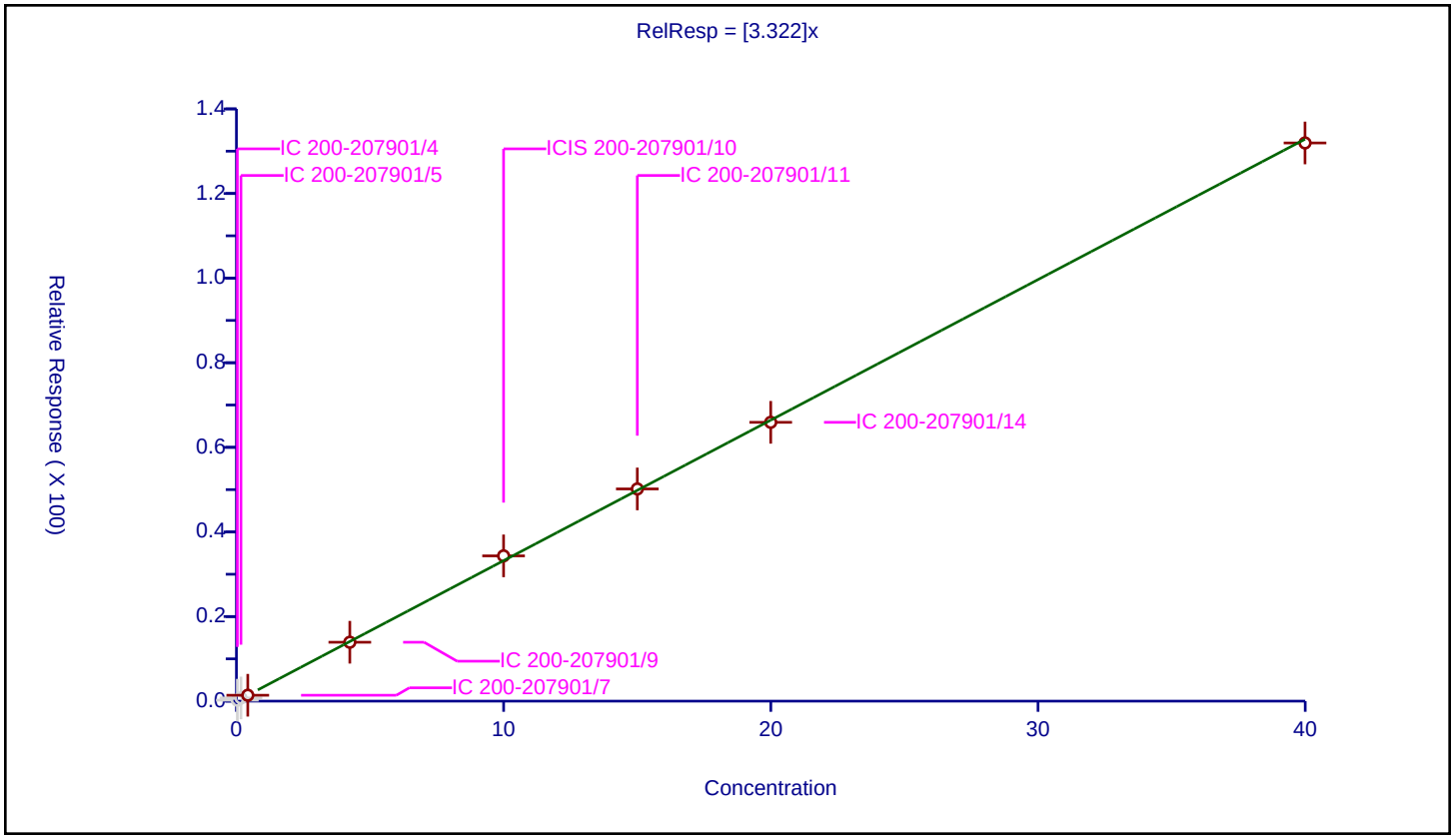
Curve Coefficients

Intercept:	0
Slope:	3.322

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.226558	10.0	178321.0	6.458879	N
2	IC 200-207901/5	0.170374	0.754885	10.0	173245.0	4.430758	N
3	IC 200-207901/7	0.425385	1.392818	10.0	179765.0	3.274256	Y
4	IC 200-207901/9	4.243678	13.924533	10.0	178090.0	3.281241	Y
5	ICIS 200-207901/10	9.99806	34.34398	10.0	186435.0	3.435064	Y
6	IC 200-207901/11	15.003557	50.163287	10.0	191503.0	3.343426	Y
7	IC 200-207901/14	19.99612	65.910557	10.0	191652.0	3.296167	Y
8	IC 200-207901/15	39.99224	131.948659	10.0	198439.0	3.299357	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

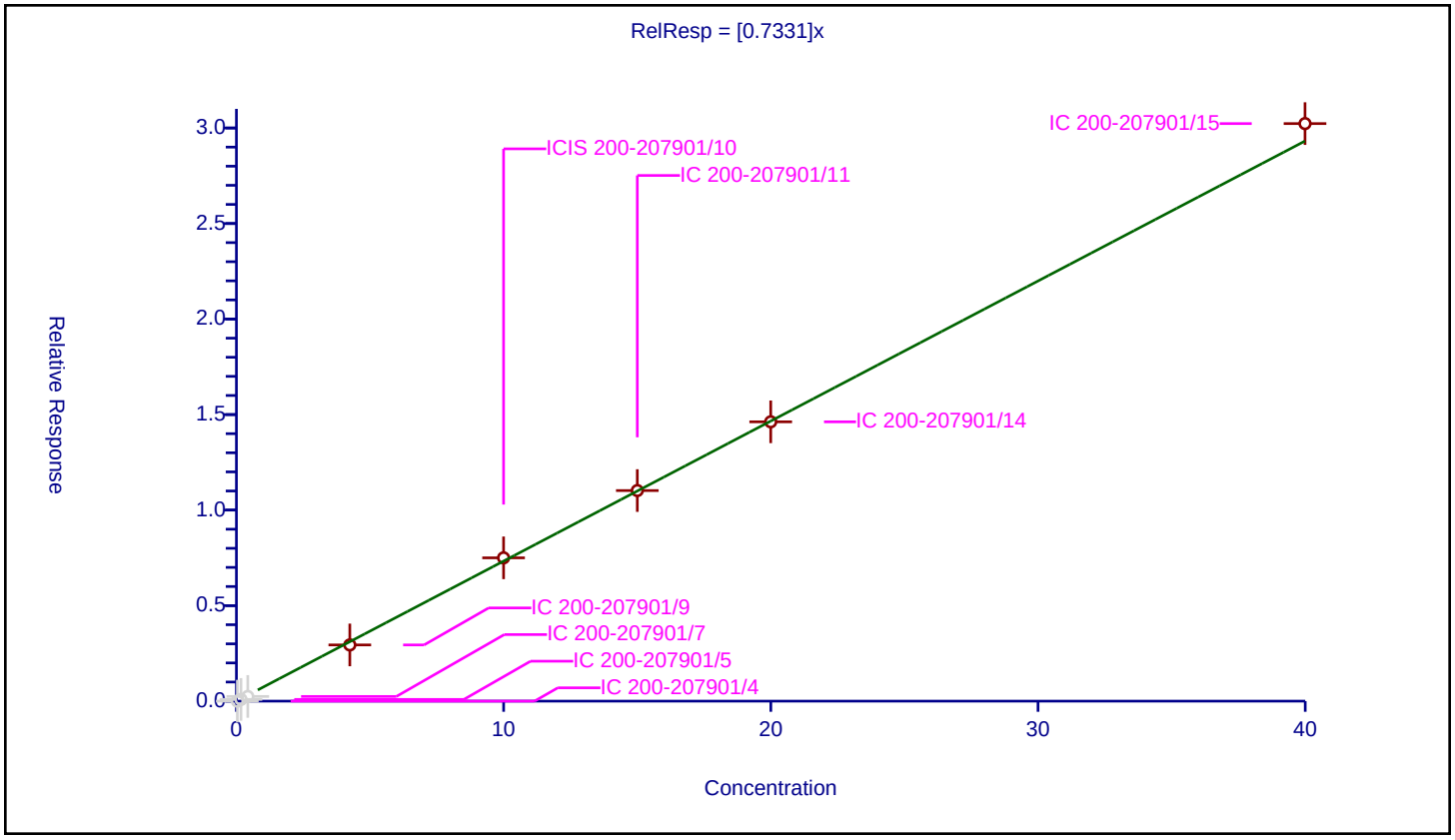
Curve Coefficients

Intercept:	0
Slope:	0.7331

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.170374	0.089469	10.0	173245.0	0.525132	N
3	IC 200-207901/7	0.425385	0.244319	10.0	179765.0	0.574348	N
4	IC 200-207901/9	4.243678	2.942333	10.0	178090.0	0.693345	Y
5	ICIS 200-207901/10	9.99806	7.500469	10.0	186435.0	0.750192	Y
6	IC 200-207901/11	15.003557	11.022438	10.0	191503.0	0.734655	Y
7	IC 200-207901/14	19.99612	14.621293	10.0	191652.0	0.731207	Y
8	IC 200-207901/15	39.99224	30.230852	10.0	198439.0	0.755918	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

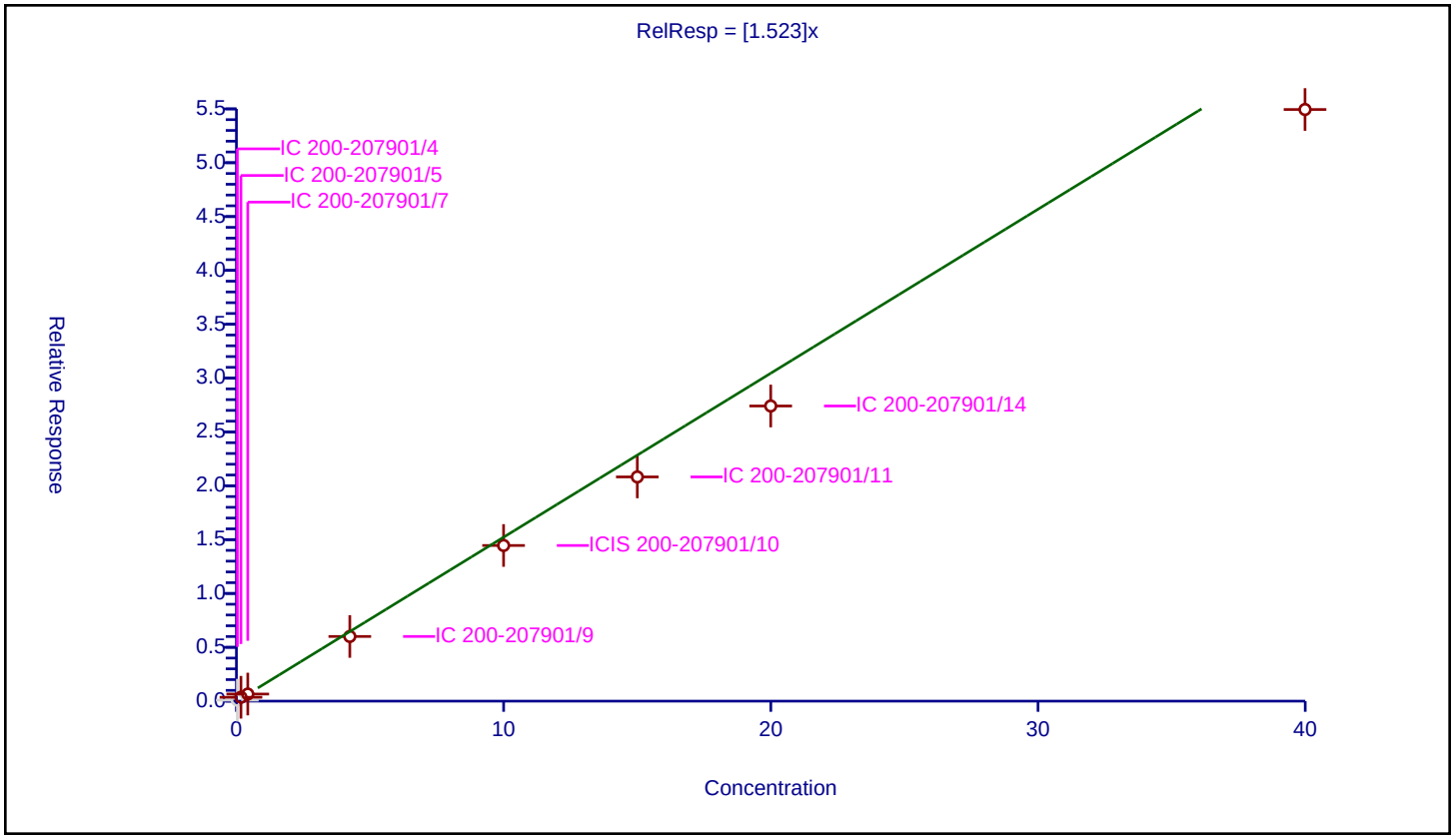
Curve Coefficients

Intercept:	0
Slope:	1.523

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.089053	10.0	178321.0	2.538787	N
2	IC 200-207901/5	0.170374	0.360472	10.0	173245.0	2.115773	Y
3	IC 200-207901/7	0.425385	0.65925	10.0	179765.0	1.549773	Y
4	IC 200-207901/9	4.243678	6.00657	10.0	178090.0	1.415416	Y
5	ICIS 200-207901/10	9.99806	14.454636	10.0	186435.0	1.445744	Y
6	IC 200-207901/11	15.003557	20.822389	10.0	191503.0	1.38783	Y
7	IC 200-207901/14	19.99612	27.408689	10.0	191652.0	1.3707	Y
8	IC 200-207901/15	39.99224	54.942426	10.0	198439.0	1.373827	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

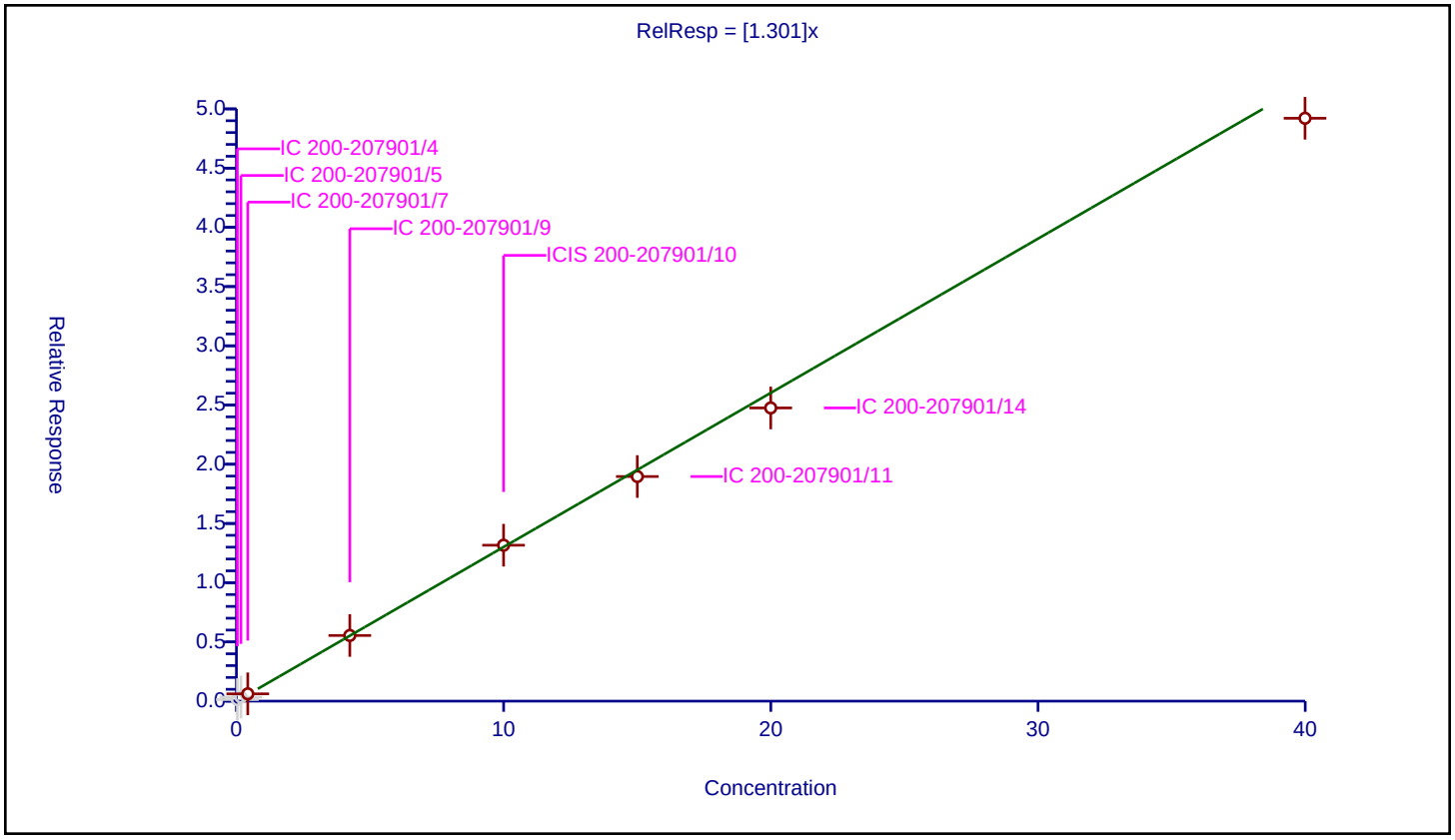
Curve Coefficients

Intercept:	0
Slope:	1.301

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.131841	10.0	178321.0	3.75862	N
2	IC 200-207901/5	0.170374	0.338192	10.0	173245.0	1.984999	N
3	IC 200-207901/7	0.425385	0.618085	10.0	179765.0	1.453002	Y
4	IC 200-207901/9	4.243678	5.544219	10.0	178090.0	1.306465	Y
5	ICIS 200-207901/10	9.99806	13.16491	10.0	186435.0	1.316746	Y
6	IC 200-207901/11	15.003557	18.96341	10.0	191503.0	1.263928	Y
7	IC 200-207901/14	19.99612	24.752155	10.0	191652.0	1.237848	Y
8	IC 200-207901/15	39.99224	49.208825	10.0	198439.0	1.230459	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

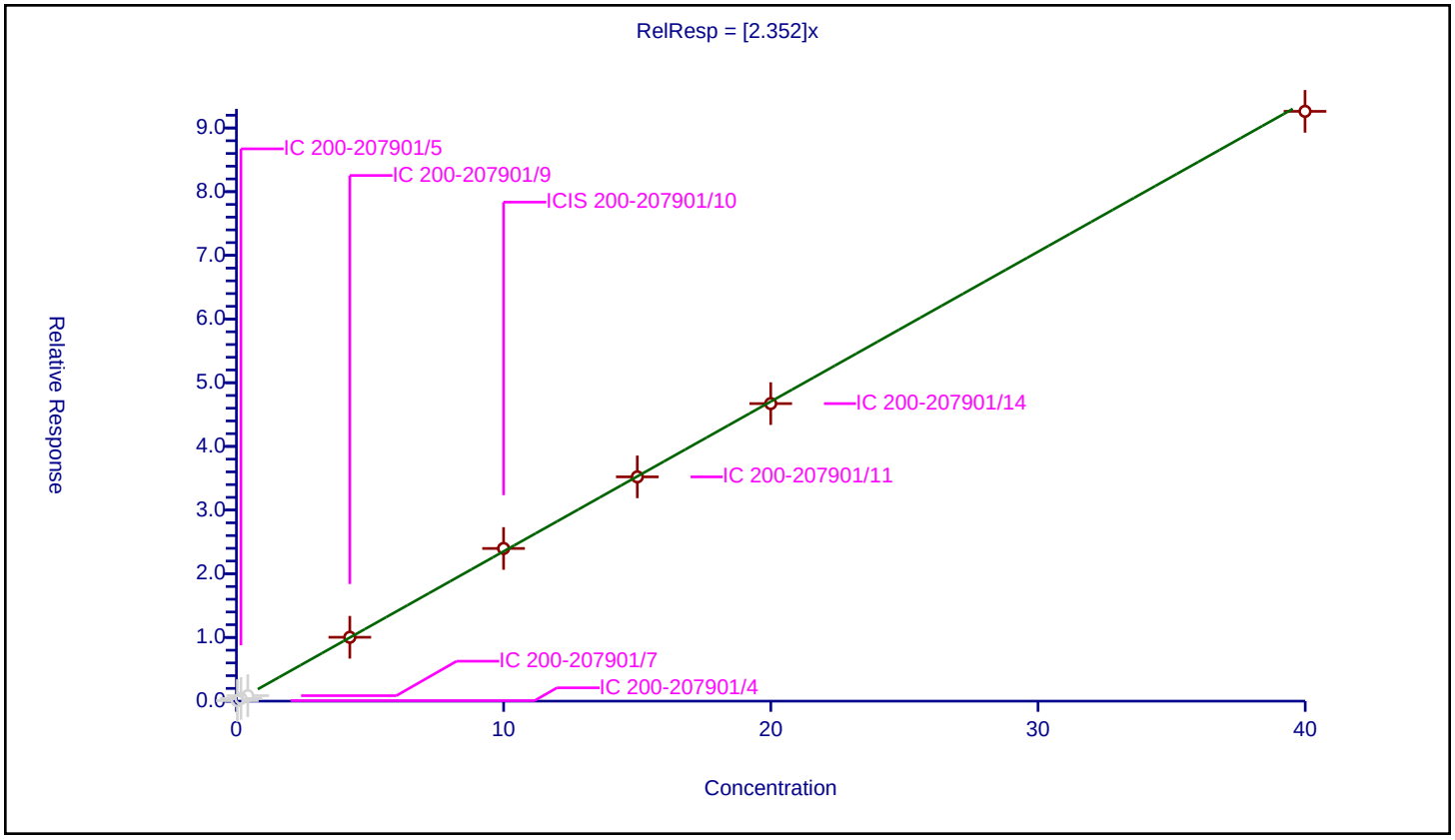
Curve Coefficients

Intercept:	0
Slope:	2.352

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.078398	10.0	178321.0	2.235028	N
2	IC 200-207901/5	0.170374	0.416058	10.0	173245.0	2.442033	N
3	IC 200-207901/7	0.425385	0.857342	10.0	179765.0	2.01545	N
4	IC 200-207901/9	4.243678	10.031726	10.0	178090.0	2.363922	Y
5	ICIS 200-207901/10	9.99806	23.973181	10.0	186435.0	2.397783	Y
6	IC 200-207901/11	15.003557	35.216942	10.0	191503.0	2.34724	Y
7	IC 200-207901/14	19.99612	46.723541	10.0	191652.0	2.33663	Y
8	IC 200-207901/15	39.99224	92.615464	10.0	198439.0	2.315836	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

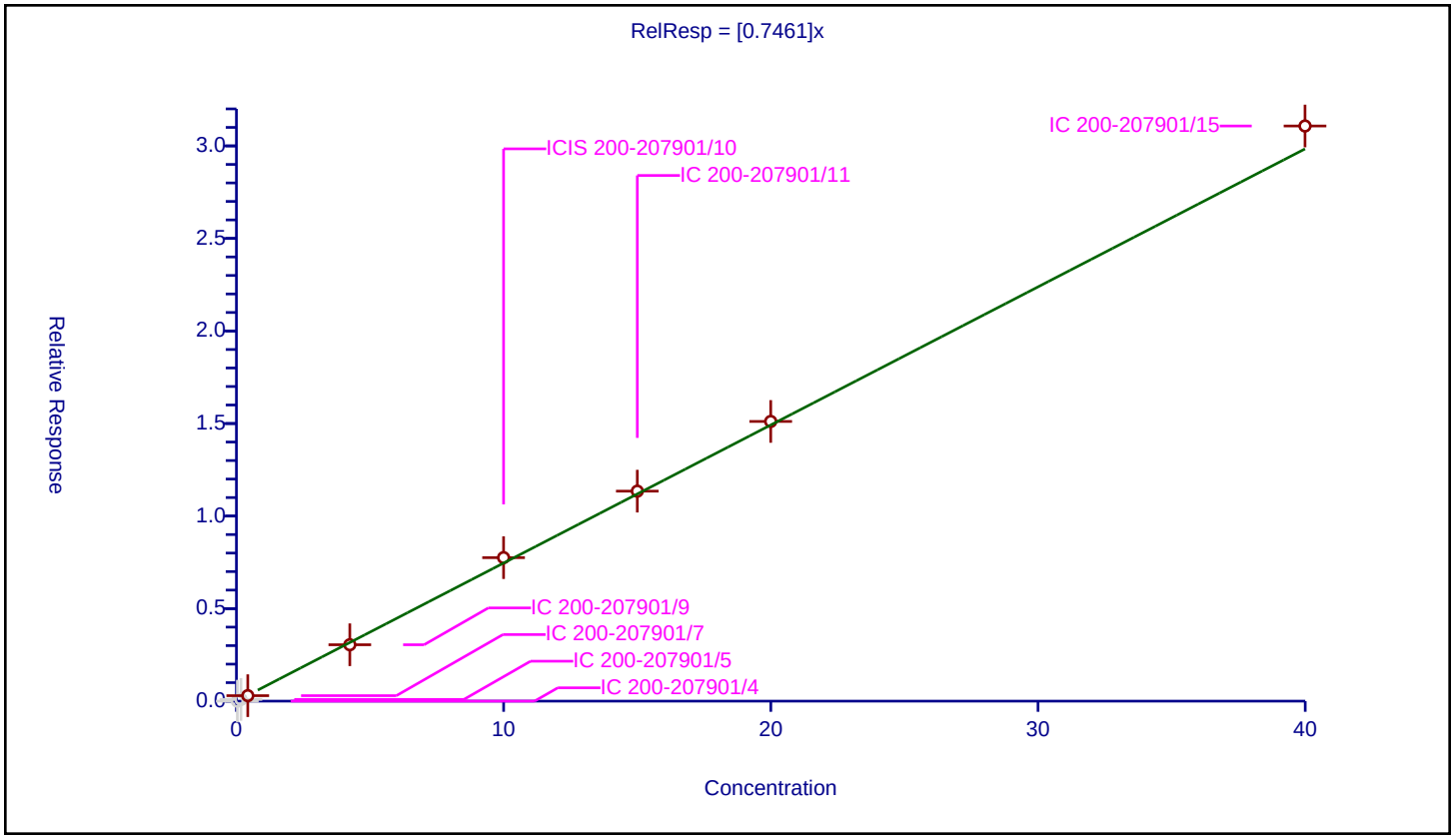
Curve Coefficients

Intercept:	0
Slope:	0.7461

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.170374	0.092528	10.0	173245.0	0.543088	N
3	IC 200-207901/7	0.425385	0.295219	10.0	179765.0	0.694004	Y
4	IC 200-207901/9	4.243678	3.047392	10.0	178090.0	0.718101	Y
5	ICIS 200-207901/10	9.99806	7.753533	10.0	186435.0	0.775504	Y
6	IC 200-207901/11	15.003557	11.34635	10.0	191503.0	0.756244	Y
7	IC 200-207901/14	19.99612	15.112913	10.0	191652.0	0.755792	Y
8	IC 200-207901/15	39.99224	31.075444	10.0	198439.0	0.777037	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

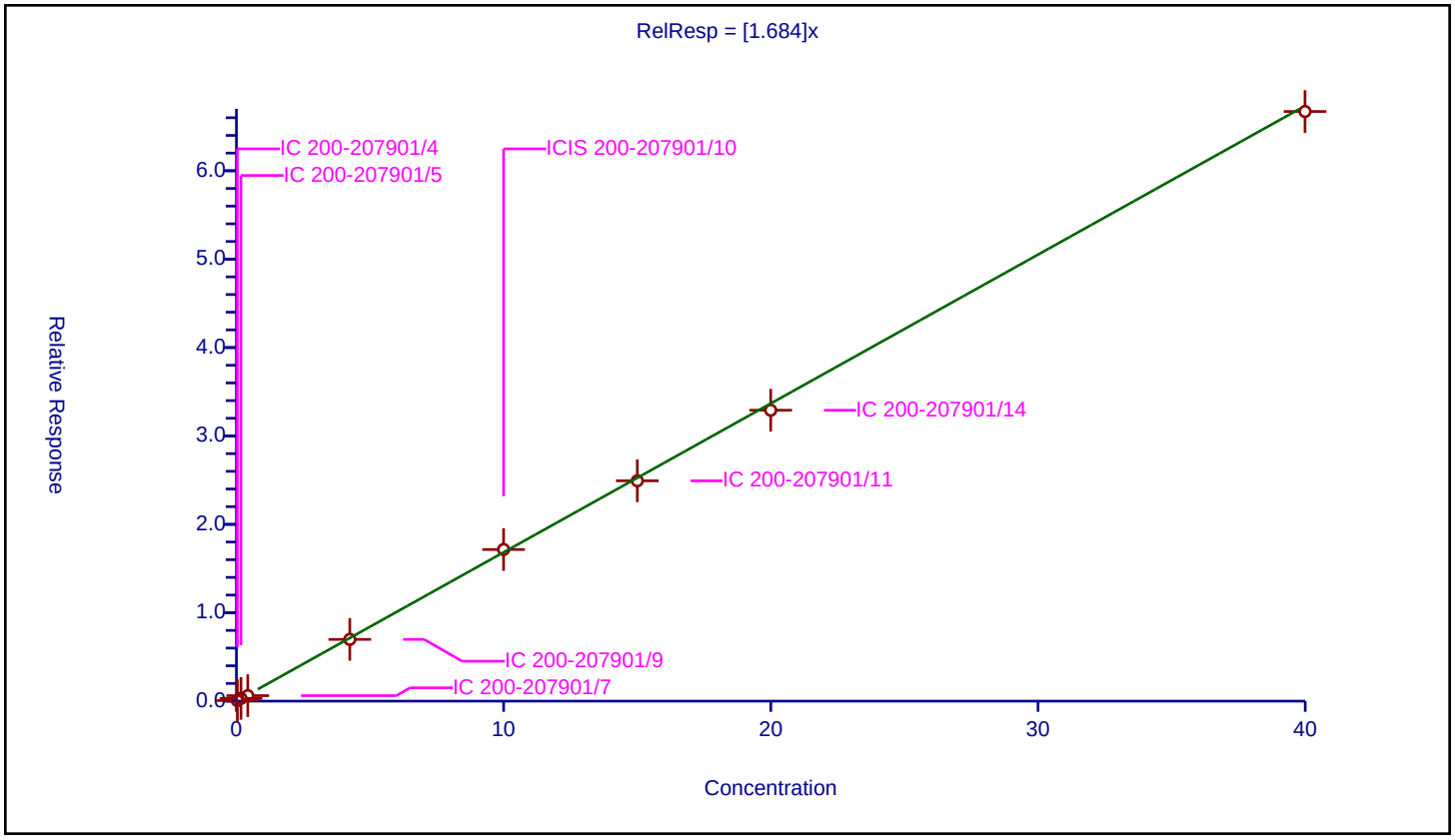
Curve Coefficients

Intercept:	0
Slope:	1.684

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.064827	10.0	178321.0	1.848135	Y
2	IC 200-207901/5	0.170374	0.311409	10.0	173245.0	1.827798	Y
3	IC 200-207901/7	0.425385	0.620199	10.0	179765.0	1.457971	Y
4	IC 200-207901/9	4.243678	6.984334	10.0	178090.0	1.645821	Y
5	ICIS 200-207901/10	9.99806	17.153431	10.0	186435.0	1.715676	Y
6	IC 200-207901/11	15.003557	24.926711	10.0	191503.0	1.661387	Y
7	IC 200-207901/14	19.99612	32.909649	10.0	191652.0	1.645802	Y
8	IC 200-207901/15	39.99224	66.704277	10.0	198439.0	1.667931	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

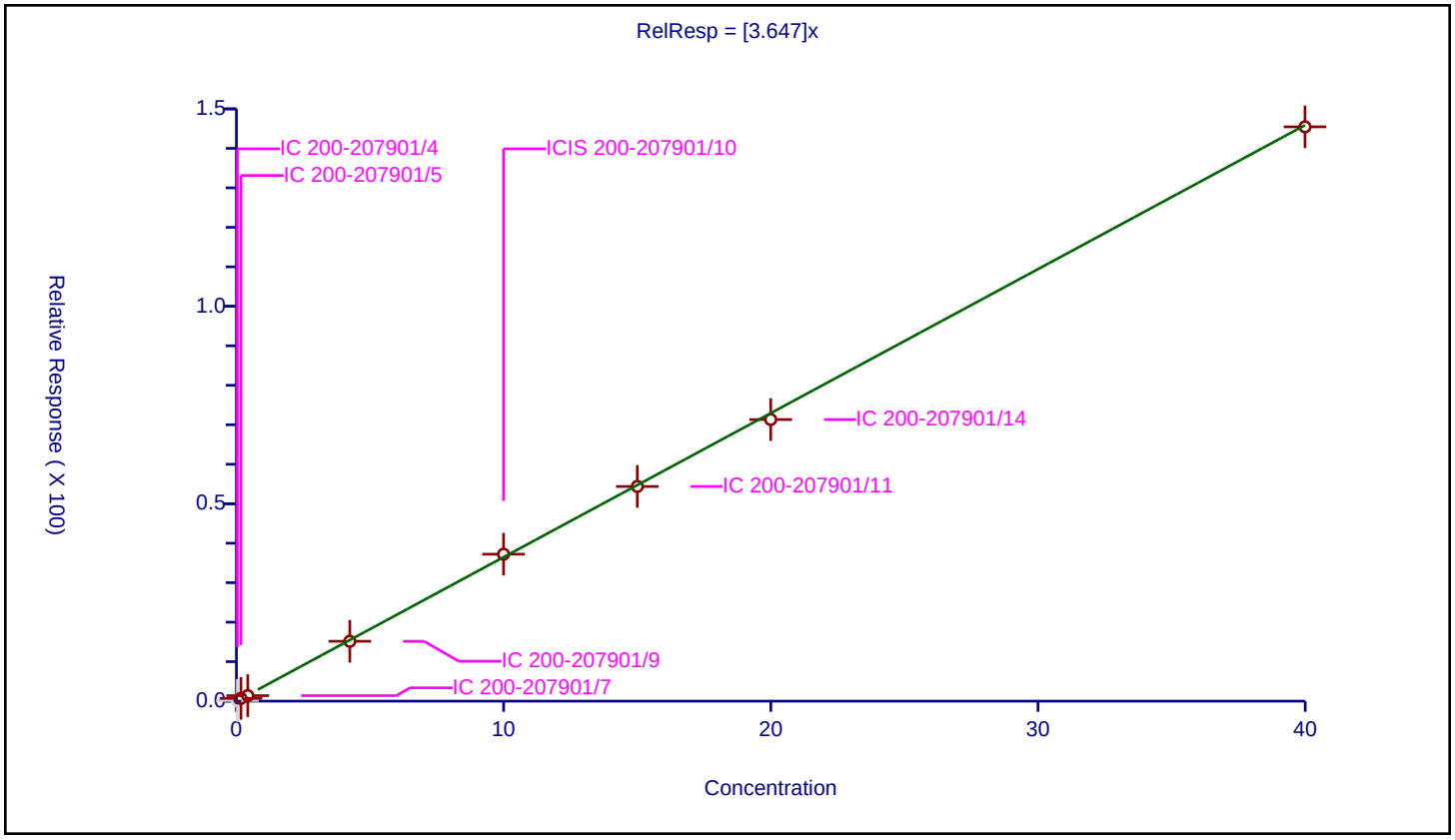
Curve Coefficients

Intercept:	0
Slope:	3.647

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.156852	10.0	178321.0	4.471655	N
2	IC 200-207901/5	0.170374	0.705129	10.0	173245.0	4.138717	Y
3	IC 200-207901/7	0.425385	1.391539	10.0	179765.0	3.271248	Y
4	IC 200-207901/9	4.243678	15.160649	10.0	178090.0	3.572525	Y
5	ICIS 200-207901/10	9.99806	37.209483	10.0	186435.0	3.72167	Y
6	IC 200-207901/11	15.003557	54.365624	10.0	191503.0	3.623516	Y
7	IC 200-207901/14	19.99612	71.317179	10.0	191652.0	3.566551	Y
8	IC 200-207901/15	39.99224	145.454623	10.0	198439.0	3.637071	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

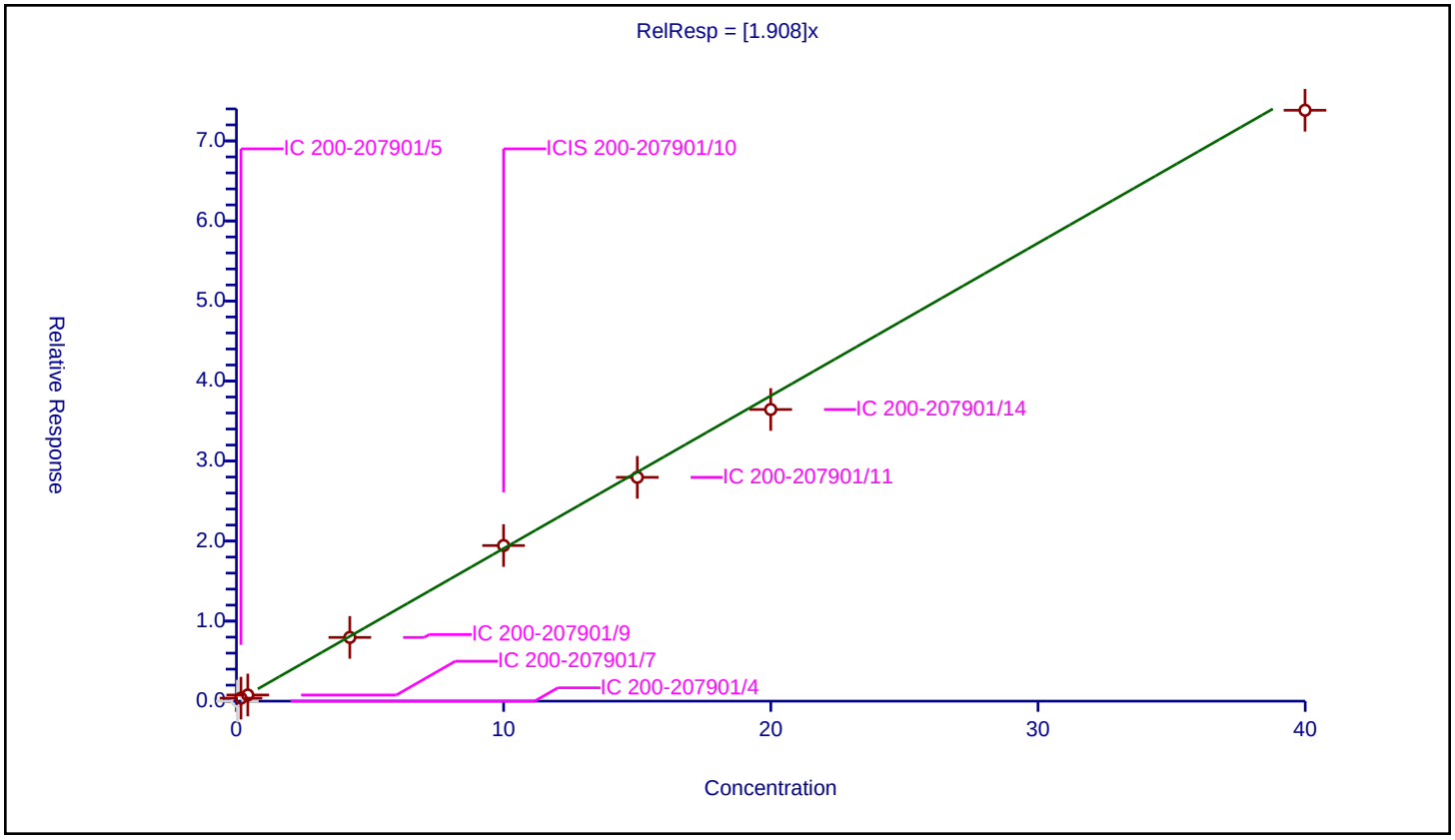
Curve Coefficients

Intercept:	0
Slope:	1.908

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.170374	0.372825	10.0	173245.0	2.188275	Y
3	IC 200-207901/7	0.425385	0.770951	10.0	179765.0	1.812362	Y
4	IC 200-207901/9	4.243678	7.963502	10.0	178090.0	1.876556	Y
5	ICIS 200-207901/10	9.99806	19.442808	10.0	186435.0	1.944658	Y
6	IC 200-207901/11	15.003557	27.966925	10.0	191503.0	1.86402	Y
7	IC 200-207901/14	19.99612	36.441571	10.0	191652.0	1.822432	Y
8	IC 200-207901/15	39.99224	73.831001	10.0	198439.0	1.846133	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

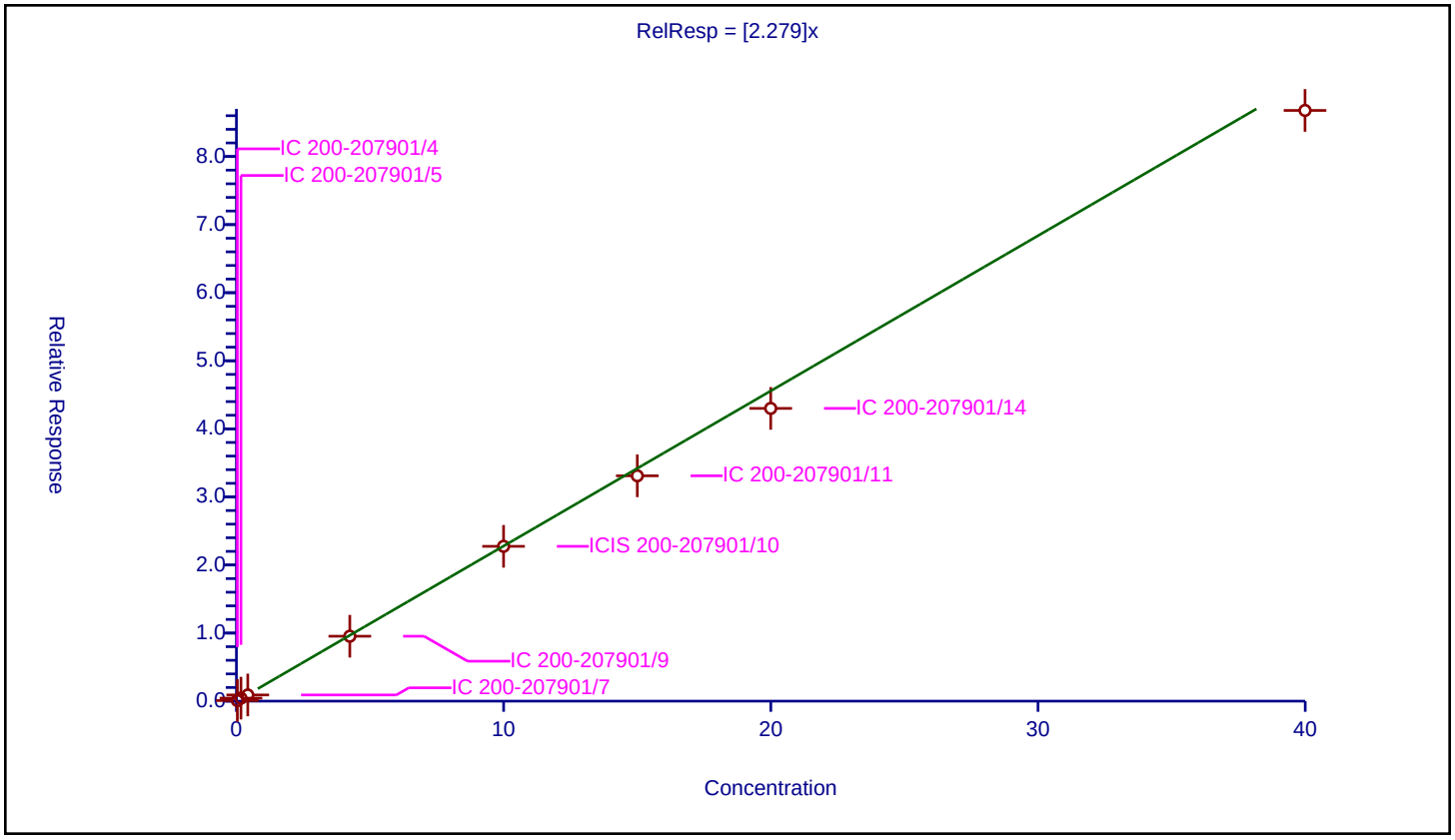
Curve Coefficients

Intercept:	0
Slope:	2.279

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.086585	10.0	178321.0	2.468443	Y
2	IC 200-207901/5	0.170374	0.439089	10.0	173245.0	2.577212	Y
3	IC 200-207901/7	0.425385	0.90941	10.0	179765.0	2.137852	Y
4	IC 200-207901/9	4.243678	9.53793	10.0	178090.0	2.247562	Y
5	ICIS 200-207901/10	9.99806	22.743047	10.0	186435.0	2.274746	Y
6	IC 200-207901/11	15.003557	33.101727	10.0	191503.0	2.206259	Y
7	IC 200-207901/14	19.99612	43.002369	10.0	191652.0	2.150536	Y
8	IC 200-207901/15	39.99224	86.774626	10.0	198439.0	2.169787	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

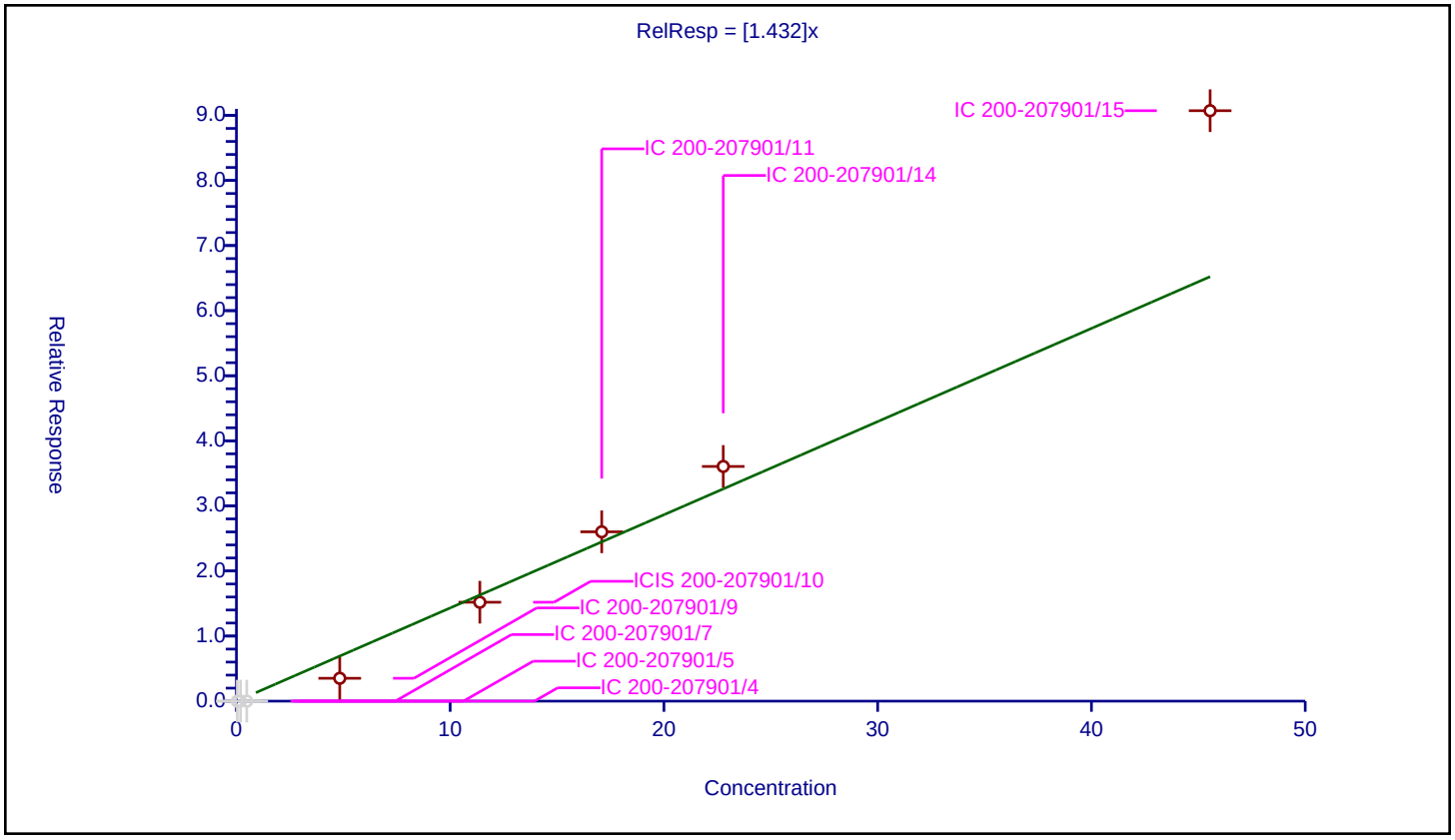
Curve Coefficients

Intercept:	0
Slope:	1.432

Error Coefficients

Relative Standard Deviation:	32.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.039953	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.194056	0.0	10.0	173245.0	0.0	N
3	IC 200-207901/7	0.484513	0.0	10.0	179765.0	0.0	N
4	IC 200-207901/9	4.83355	3.515301	10.0	178090.0	0.727271	Y
5	ICIS 200-207901/10	11.38779	15.197468	10.0	186435.0	1.334541	Y
6	IC 200-207901/11	17.089051	26.015833	10.0	191503.0	1.522368	Y
7	IC 200-207901/14	22.77558	36.058951	10.0	191652.0	1.583229	Y
8	IC 200-207901/15	45.551161	90.723144	10.0	198439.0	1.991676	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

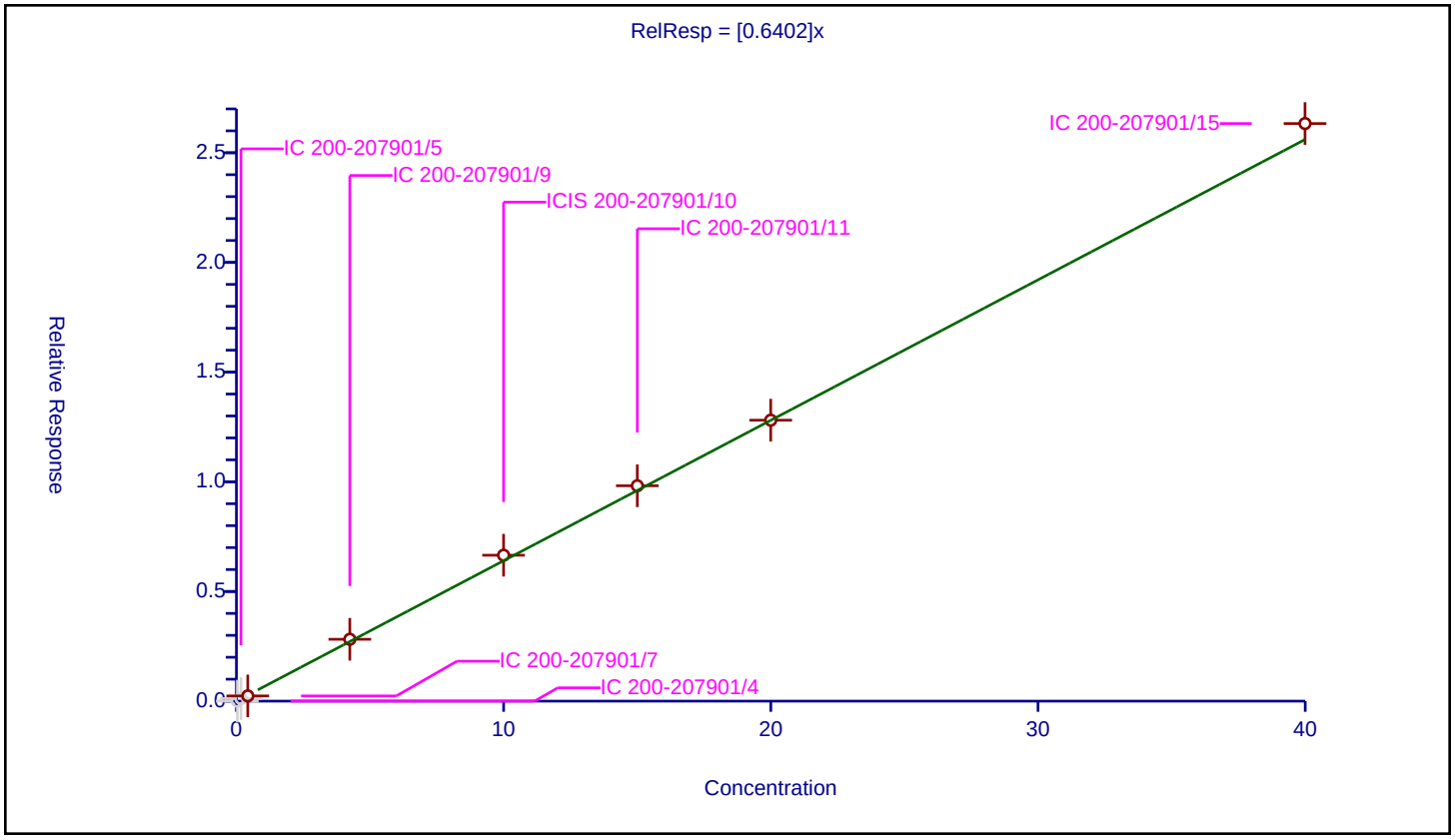
Curve Coefficients

Intercept:	0
Slope:	0.6402

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.170374	0.117695	10.0	173245.0	0.690803	N
3	IC 200-207901/7	0.425385	0.237365	10.0	179765.0	0.558002	Y
4	IC 200-207901/9	4.243678	2.819923	10.0	178090.0	0.6645	Y
5	ICIS 200-207901/10	9.99806	6.652184	10.0	186435.0	0.665348	Y
6	IC 200-207901/11	15.003557	9.81875	10.0	191503.0	0.654428	Y
7	IC 200-207901/14	19.99612	12.807797	10.0	191652.0	0.640514	Y
8	IC 200-207901/15	39.99224	26.332727	10.0	198439.0	0.658446	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

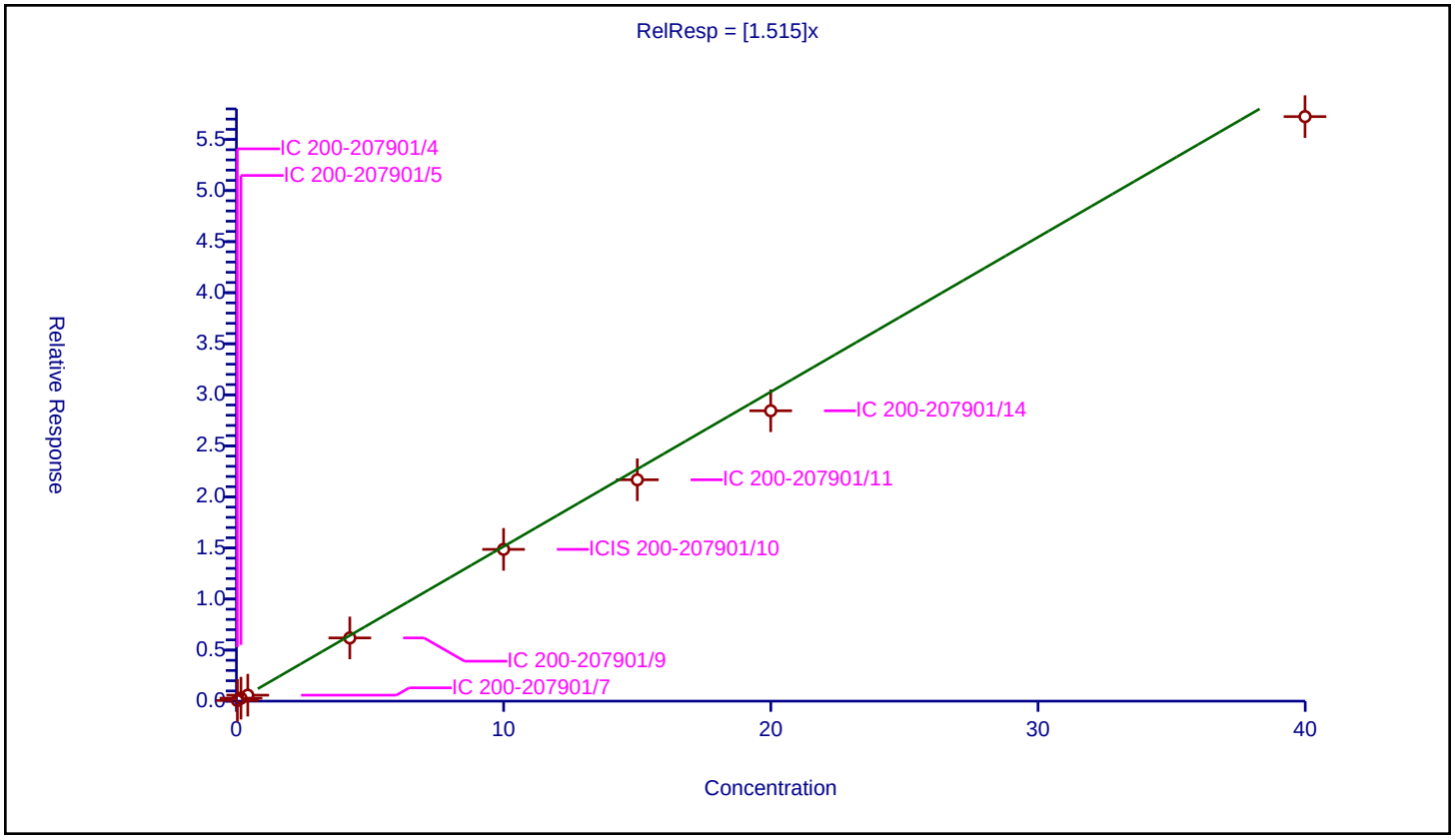
Curve Coefficients

Intercept:	0
Slope:	1.515

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.06292	10.0	178321.0	1.793778	Y
2	IC 200-207901/5	0.170374	0.289936	10.0	173245.0	1.701766	Y
3	IC 200-207901/7	0.425385	0.585987	10.0	179765.0	1.377547	Y
4	IC 200-207901/9	4.243678	6.190353	10.0	178090.0	1.458723	Y
5	ICIS 200-207901/10	9.99806	14.863786	10.0	186435.0	1.486667	Y
6	IC 200-207901/11	15.003557	21.679086	10.0	191503.0	1.44493	Y
7	IC 200-207901/14	19.99612	28.436019	10.0	191652.0	1.422077	Y
8	IC 200-207901/15	39.99224	57.242377	10.0	198439.0	1.431337	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

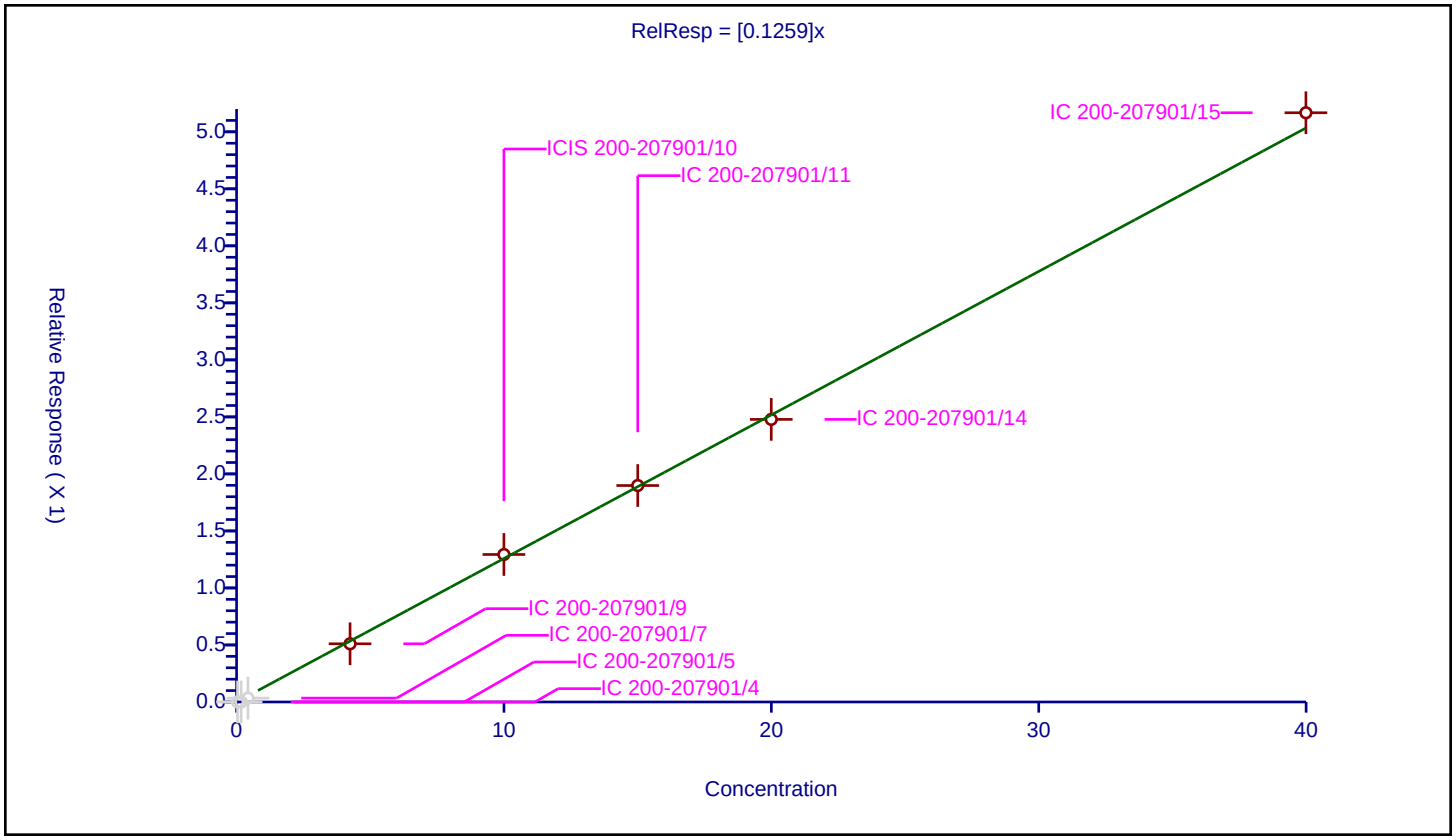
Curve Coefficients

Intercept:	0
Slope:	0.1259

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	178321.0	0.0	N
2	IC 200-207901/5	0.170374	0.0	10.0	173245.0	0.0	N
3	IC 200-207901/7	0.425385	0.033933	10.0	179765.0	0.079771	N
4	IC 200-207901/9	4.243678	0.510472	10.0	178090.0	0.12029	Y
5	ICIS 200-207901/10	9.99806	1.293427	10.0	186435.0	0.129368	Y
6	IC 200-207901/11	15.003557	1.898299	10.0	191503.0	0.126523	Y
7	IC 200-207901/14	19.99612	2.478137	10.0	191652.0	0.123931	Y
8	IC 200-207901/15	39.99224	5.167331	10.0	198439.0	0.129208	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

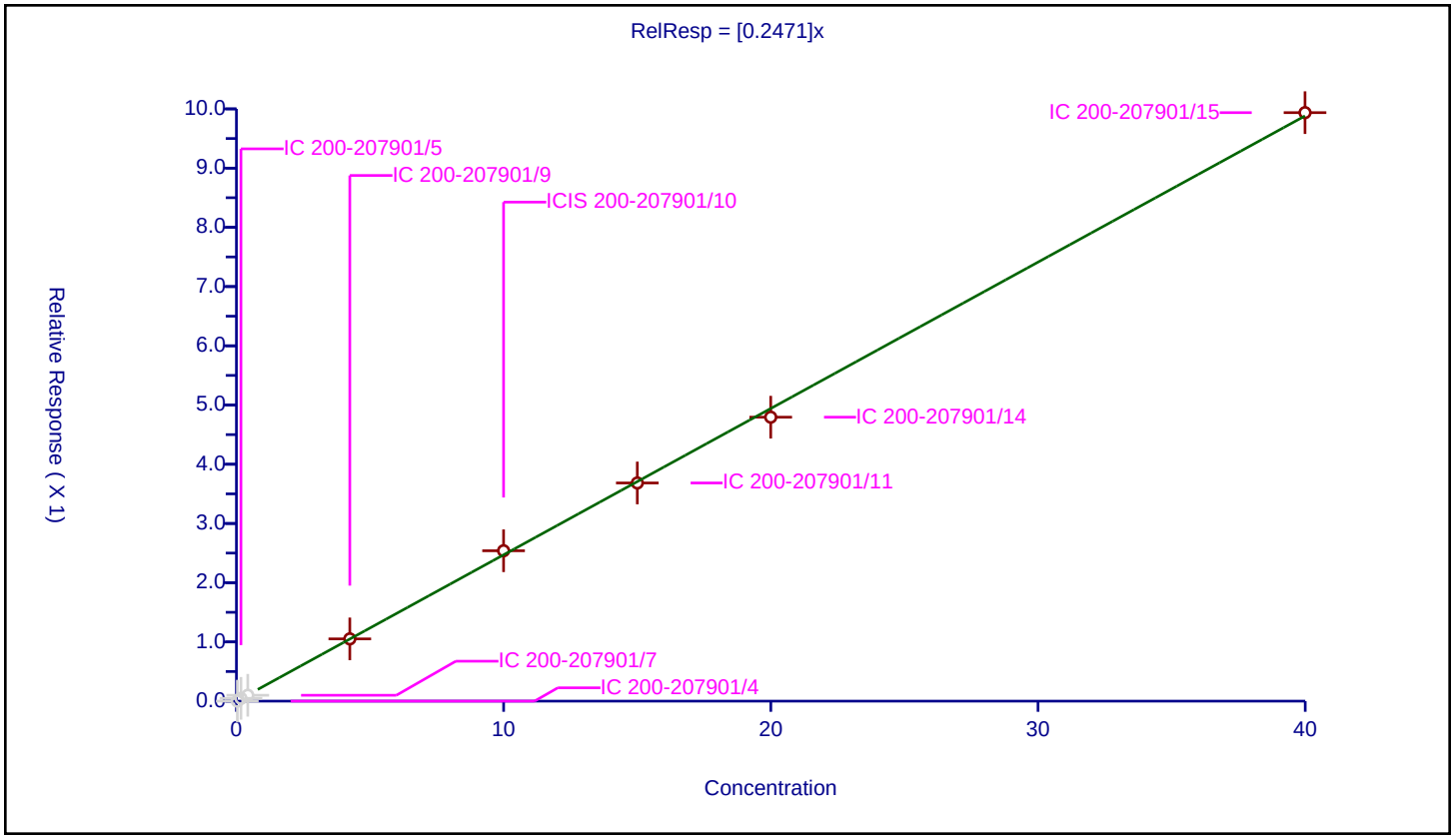
Curve Coefficients

Intercept:	0
Slope:	0.2471

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	941179.0	0.0	N
2	IC 200-207901/5	0.170374	0.046916	10.0	917179.0	0.275369	N
3	IC 200-207901/7	0.425385	0.099341	10.0	955602.0	0.233531	N
4	IC 200-207901/9	4.243678	1.051102	10.0	943239.0	0.247686	Y
5	ICIS 200-207901/10	9.99806	2.539287	10.0	972080.0	0.253978	Y
6	IC 200-207901/11	15.003557	3.683647	10.0	999895.0	0.245518	Y
7	IC 200-207901/14	19.99612	4.79456	10.0	1000438.0	0.239775	Y
8	IC 200-207901/15	39.99224	9.936442	10.0	1010413.0	0.248459	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

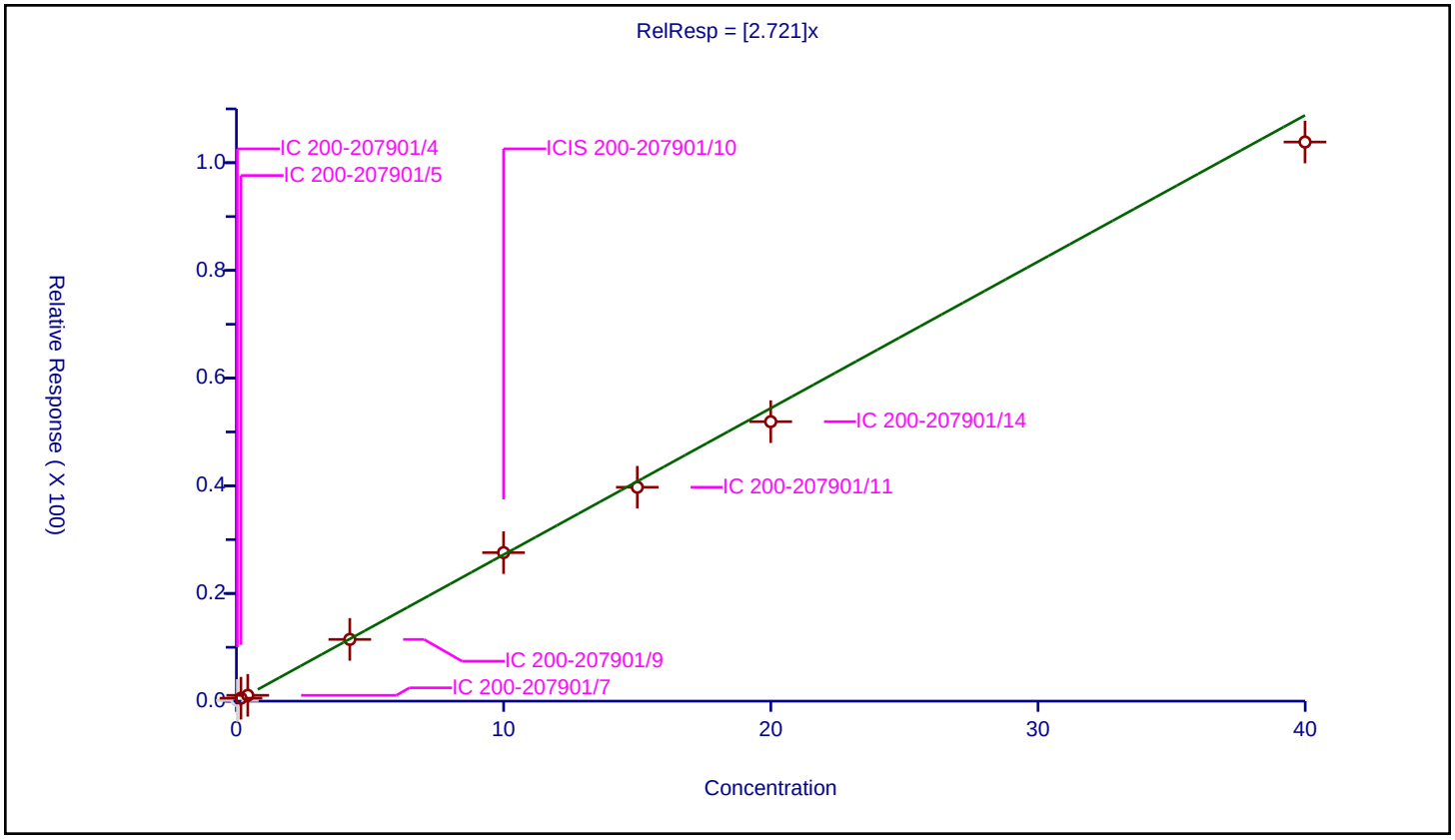
Curve Coefficients

Intercept:	0
Slope:	2.721

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.119896	10.0	178321.0	3.41809	N
2	IC 200-207901/5	0.170374	0.545759	10.0	173245.0	3.203305	Y
3	IC 200-207901/7	0.425385	1.080911	10.0	179765.0	2.54102	Y
4	IC 200-207901/9	4.243678	11.463249	10.0	178090.0	2.701253	Y
5	ICIS 200-207901/10	9.99806	27.589669	10.0	186435.0	2.759502	Y
6	IC 200-207901/11	15.003557	39.726218	10.0	191503.0	2.647787	Y
7	IC 200-207901/14	19.99612	51.909137	10.0	191652.0	2.595961	Y
8	IC 200-207901/15	39.99224	103.845766	10.0	198439.0	2.596648	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

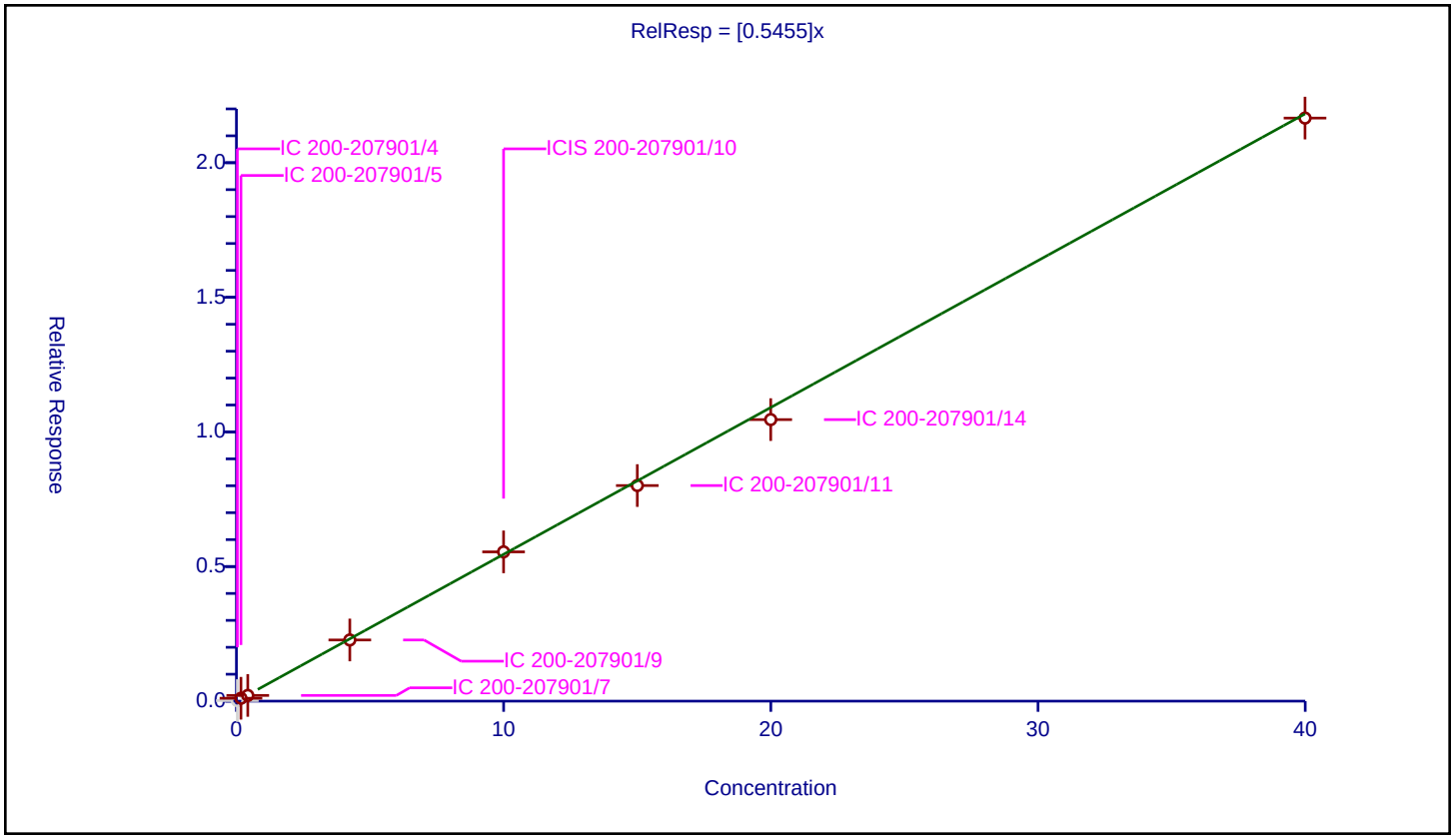
Curve Coefficients

Intercept:	0
Slope:	0.5455

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.020612	10.0	941179.0	0.587635	N
2	IC 200-207901/5	0.170374	0.107373	10.0	917179.0	0.630219	Y
3	IC 200-207901/7	0.425385	0.212526	10.0	955602.0	0.499608	Y
4	IC 200-207901/9	4.243678	2.272499	10.0	943239.0	0.535502	Y
5	ICIS 200-207901/10	9.99806	5.54512	10.0	972080.0	0.55462	Y
6	IC 200-207901/11	15.003557	8.008621	10.0	999895.0	0.533781	Y
7	IC 200-207901/14	19.99612	10.458279	10.0	1000438.0	0.523015	Y
8	IC 200-207901/15	39.99224	21.658421	10.0	1010413.0	0.541566	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

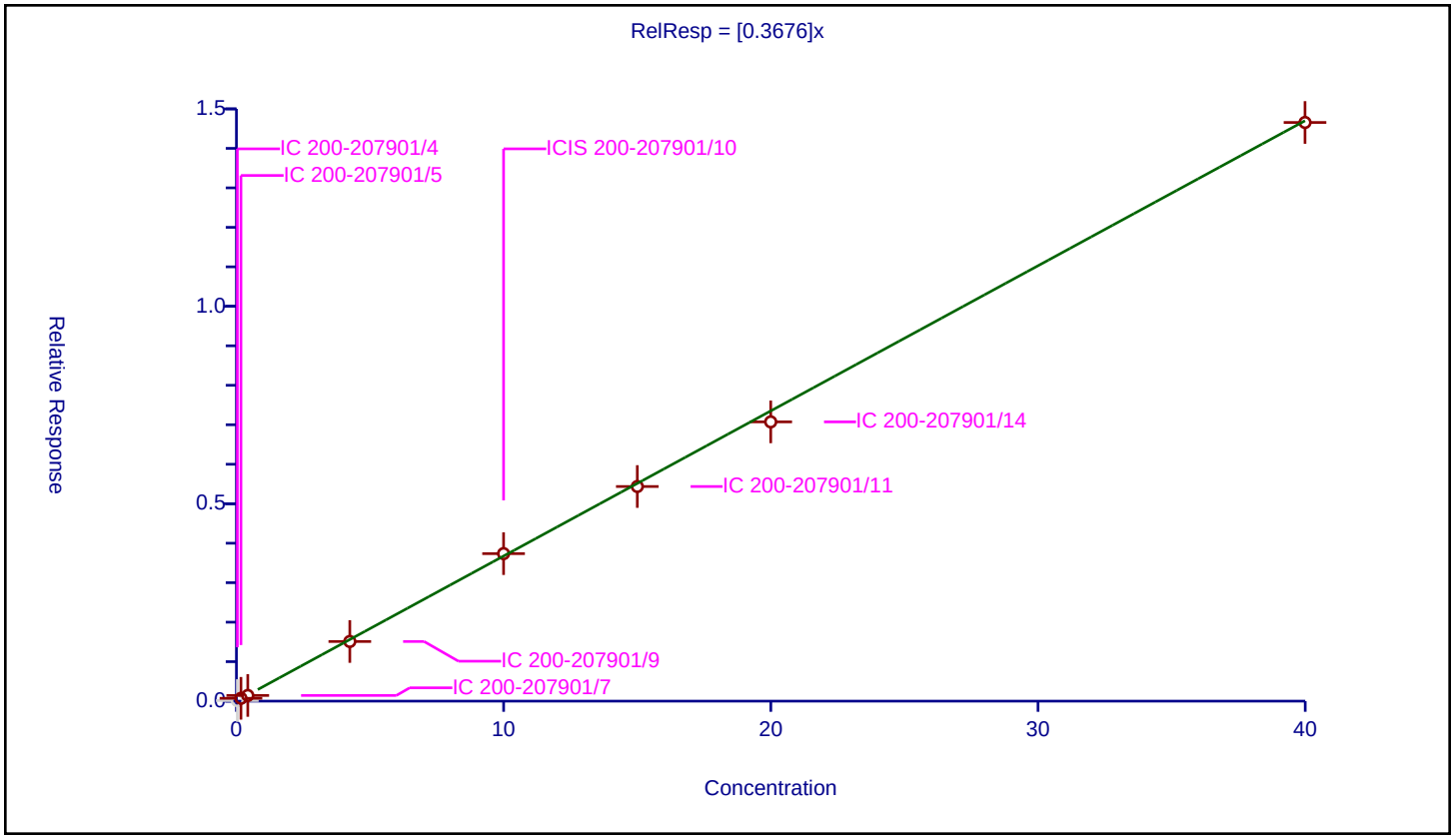
Curve Coefficients

Intercept:	0
Slope:	0.3676

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.014163	10.0	941179.0	0.403772	N
2	IC 200-207901/5	0.170374	0.072036	10.0	917179.0	0.422812	Y
3	IC 200-207901/7	0.425385	0.143773	10.0	955602.0	0.337984	Y
4	IC 200-207901/9	4.243678	1.5109	10.0	943239.0	0.356036	Y
5	ICIS 200-207901/10	9.99806	3.736205	10.0	972080.0	0.373693	Y
6	IC 200-207901/11	15.003557	5.435981	10.0	999895.0	0.362313	Y
7	IC 200-207901/14	19.99612	7.073002	10.0	1000438.0	0.353719	Y
8	IC 200-207901/15	39.99224	14.655888	10.0	1010413.0	0.366468	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

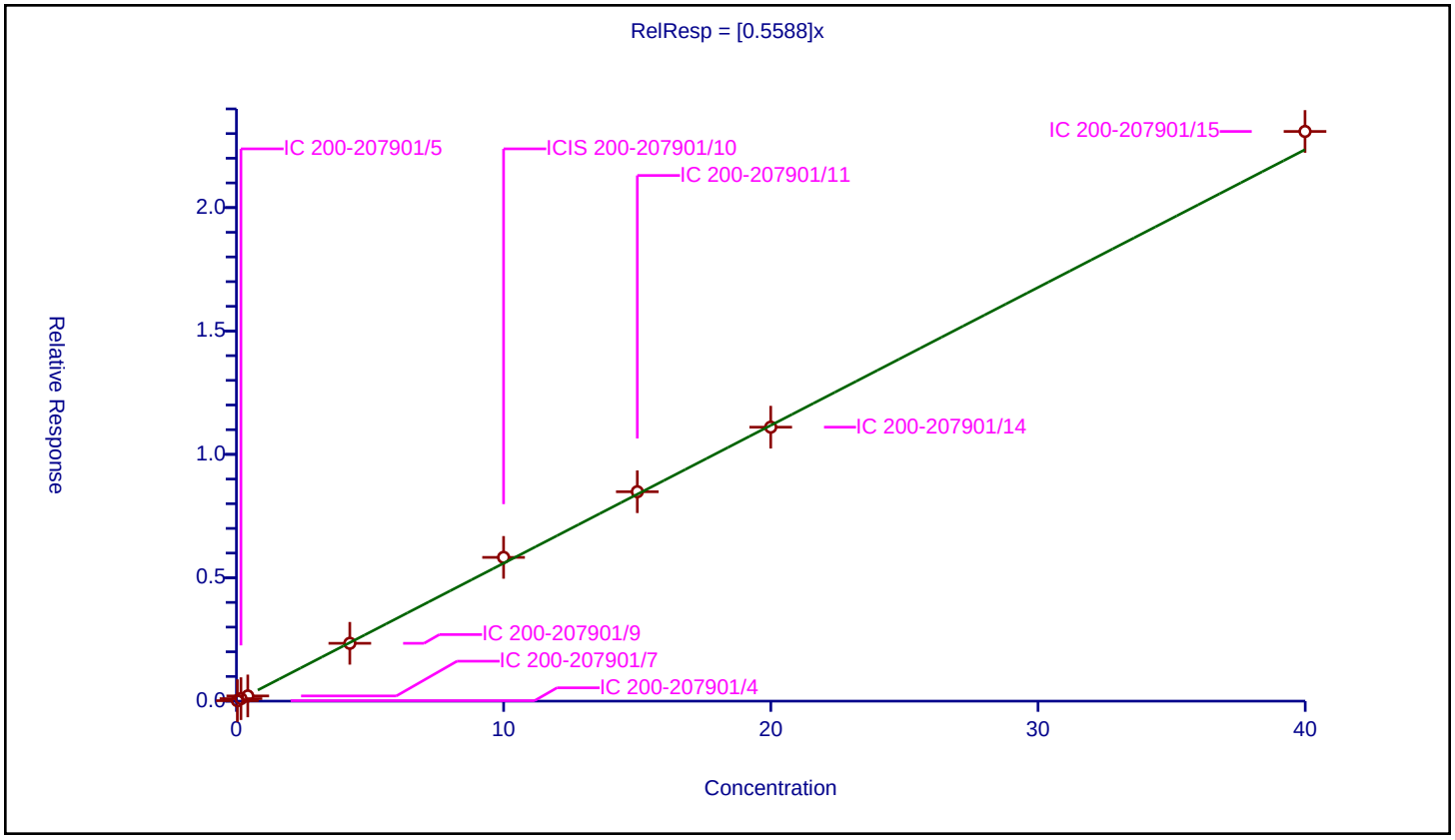
Curve Coefficients

Intercept:	0
Slope:	0.5588

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.01921	10.0	941179.0	0.547652	Y
2	IC 200-207901/5	0.170374	0.101082	10.0	917179.0	0.593294	Y
3	IC 200-207901/7	0.425385	0.21128	10.0	955602.0	0.496681	Y
4	IC 200-207901/9	4.243678	2.343531	10.0	943239.0	0.552241	Y
5	ICIS 200-207901/10	9.99806	5.825117	10.0	972080.0	0.582625	Y
6	IC 200-207901/11	15.003557	8.486131	10.0	999895.0	0.565608	Y
7	IC 200-207901/14	19.99612	11.102027	10.0	1000438.0	0.555209	Y
8	IC 200-207901/15	39.99224	23.085332	10.0	1010413.0	0.577245	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

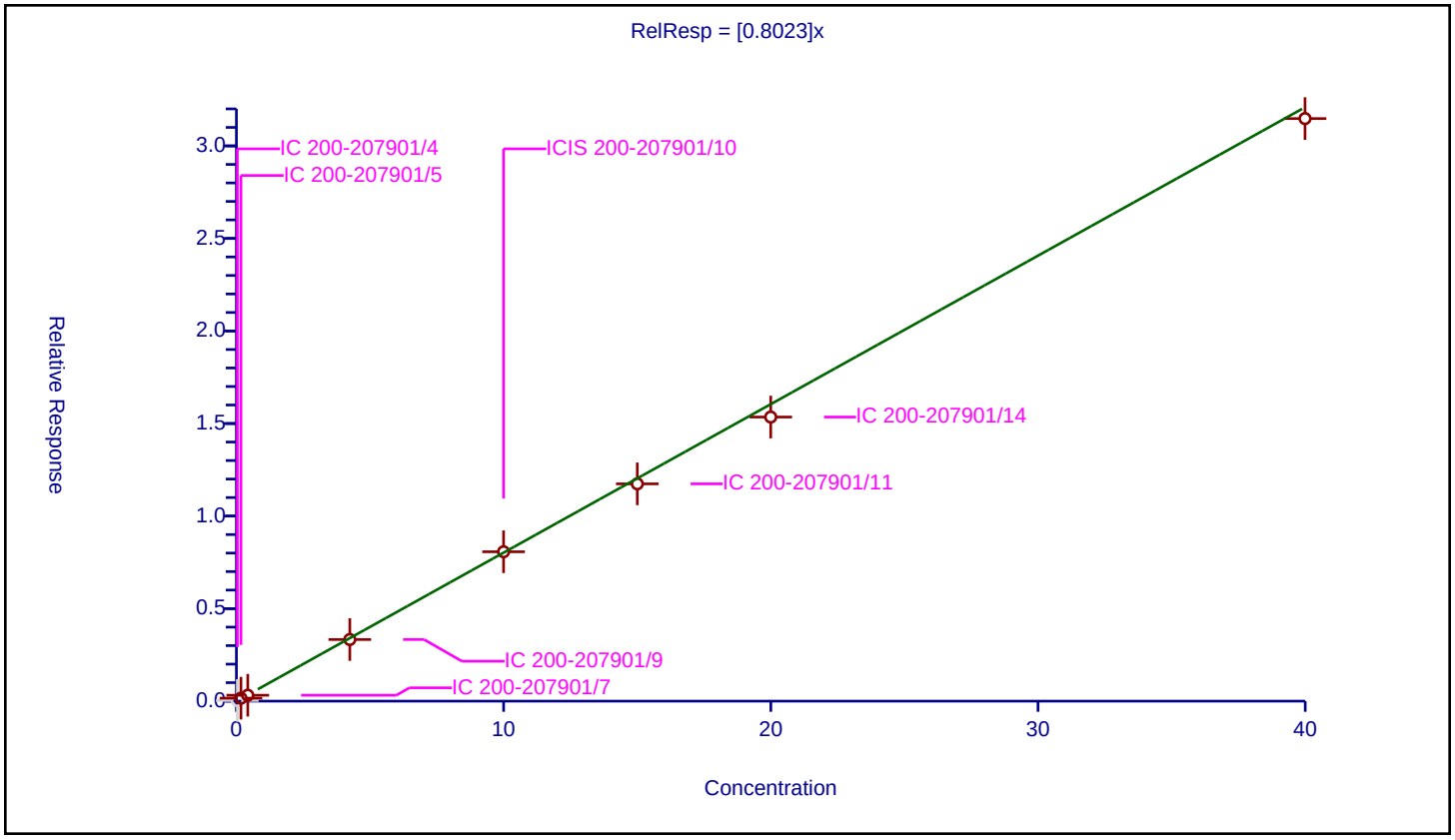
Curve Coefficients

Intercept:	0
Slope:	0.8023

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.03502	10.0	941179.0	0.998374	N
2	IC 200-207901/5	0.170374	0.160056	10.0	917179.0	0.939441	Y
3	IC 200-207901/7	0.425385	0.318114	10.0	955602.0	0.747826	Y
4	IC 200-207901/9	4.243678	3.329379	10.0	943239.0	0.78455	Y
5	ICIS 200-207901/10	9.99806	8.071188	10.0	972080.0	0.807275	Y
6	IC 200-207901/11	15.003557	11.740763	10.0	999895.0	0.782532	Y
7	IC 200-207901/14	19.99612	15.350347	10.0	1000438.0	0.767666	Y
8	IC 200-207901/15	39.99224	31.475951	10.0	1010413.0	0.787051	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

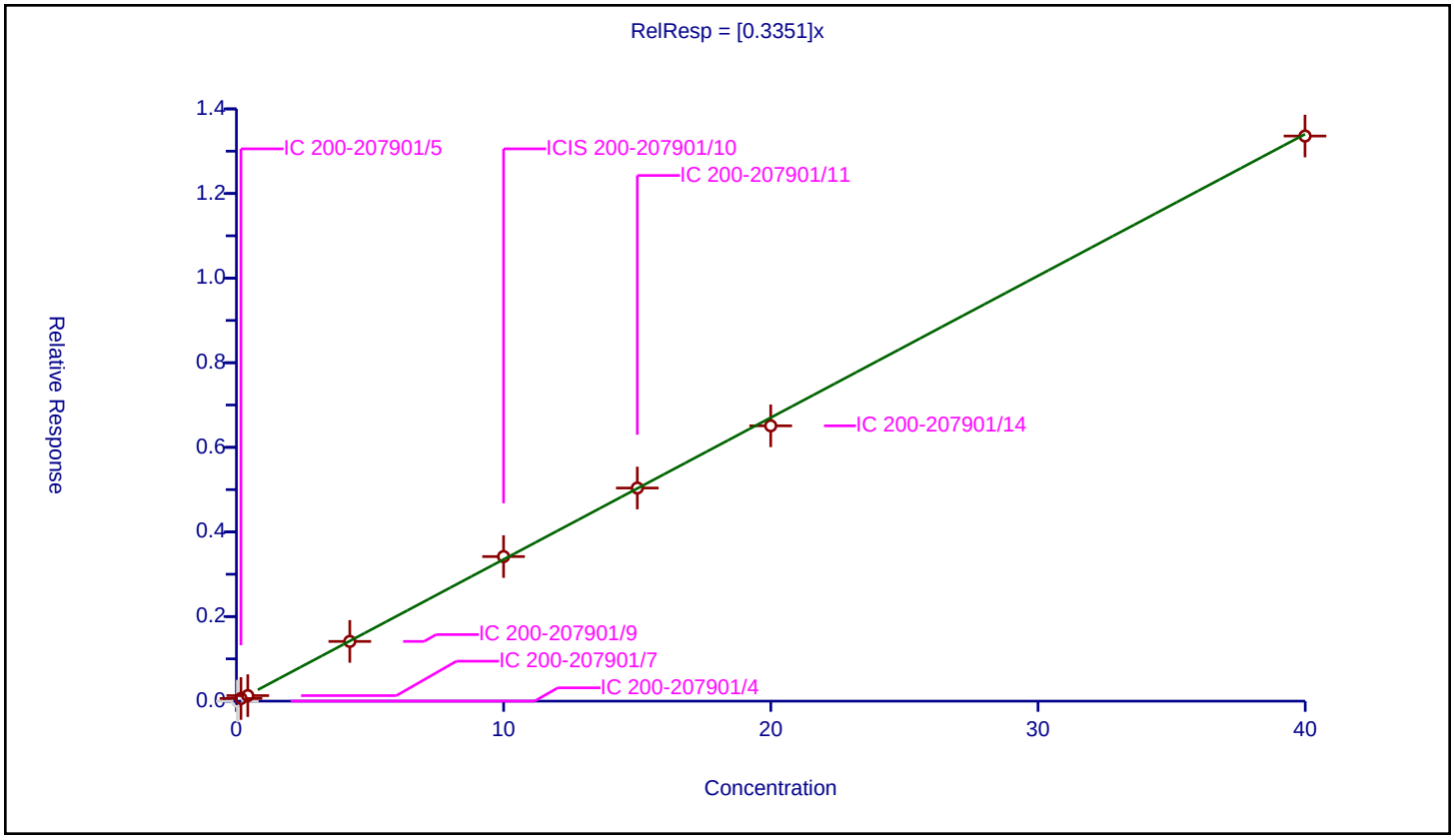
Curve Coefficients

Intercept:	0
Slope:	0.3351

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	941179.0	0.0	N
2	IC 200-207901/5	0.170374	0.062812	10.0	917179.0	0.368673	Y
3	IC 200-207901/7	0.425385	0.130766	10.0	955602.0	0.307406	Y
4	IC 200-207901/9	4.243678	1.411572	10.0	943239.0	0.332629	Y
5	ICIS 200-207901/10	9.99806	3.417466	10.0	972080.0	0.341813	Y
6	IC 200-207901/11	15.003557	5.037829	10.0	999895.0	0.335776	Y
7	IC 200-207901/14	19.99612	6.508729	10.0	1000438.0	0.3255	Y
8	IC 200-207901/15	39.99224	13.358201	10.0	1010413.0	0.33402	Y



Calibration / Isooctane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

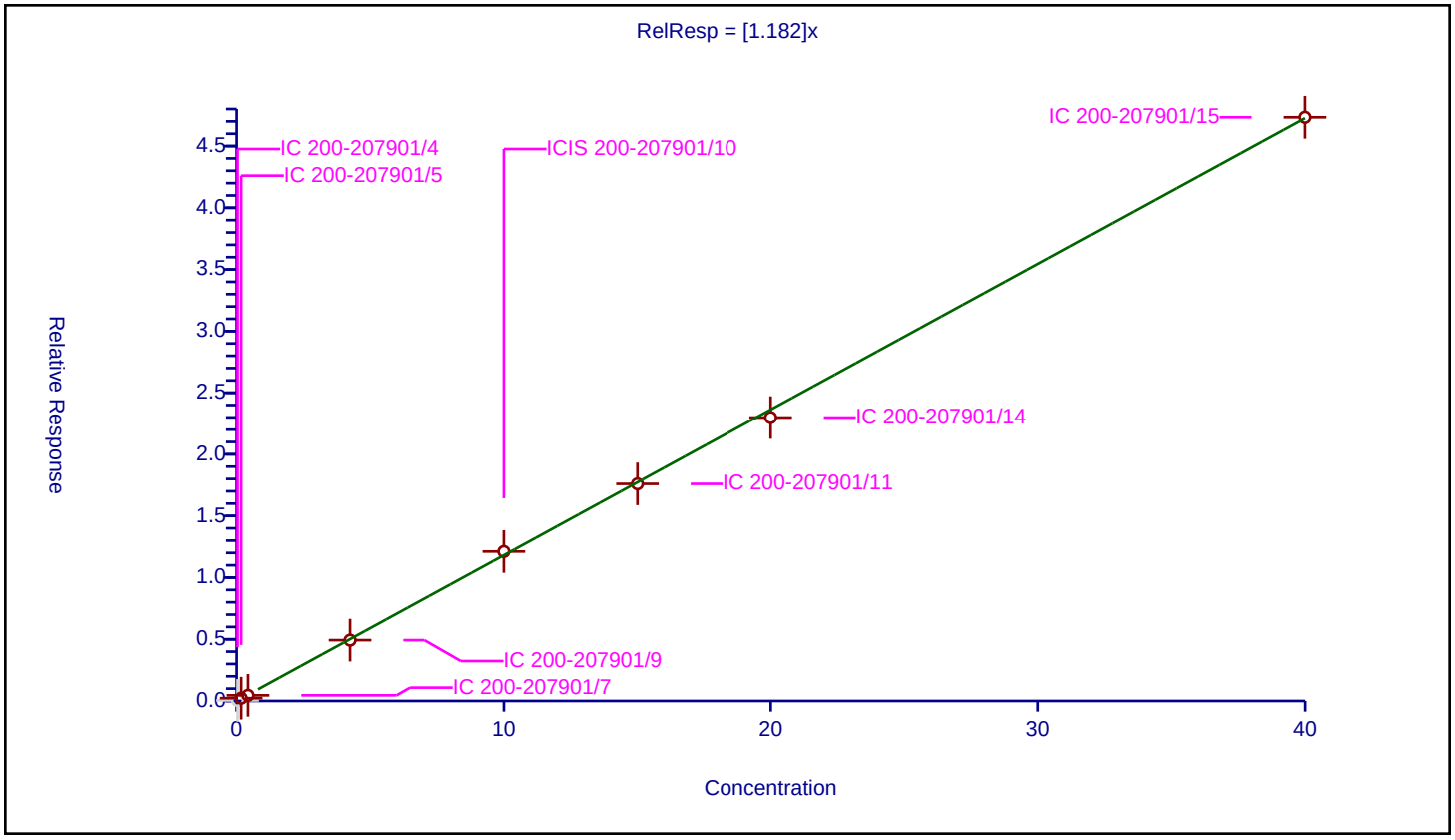
Curve Coefficients

Intercept:	0
Slope:	1.182

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.045316	10.0	941179.0	1.291889	N
2	IC 200-207901/5	0.170374	0.224951	10.0	917179.0	1.320337	Y
3	IC 200-207901/7	0.425385	0.455566	10.0	955602.0	1.070951	Y
4	IC 200-207901/9	4.243678	4.931921	10.0	943239.0	1.162181	Y
5	ICIS 200-207901/10	9.99806	12.118365	10.0	972080.0	1.212072	Y
6	IC 200-207901/11	15.003557	17.601868	10.0	999895.0	1.17318	Y
7	IC 200-207901/14	19.99612	22.986012	10.0	1000438.0	1.149524	Y
8	IC 200-207901/15	39.99224	47.330982	10.0	1010413.0	1.183504	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

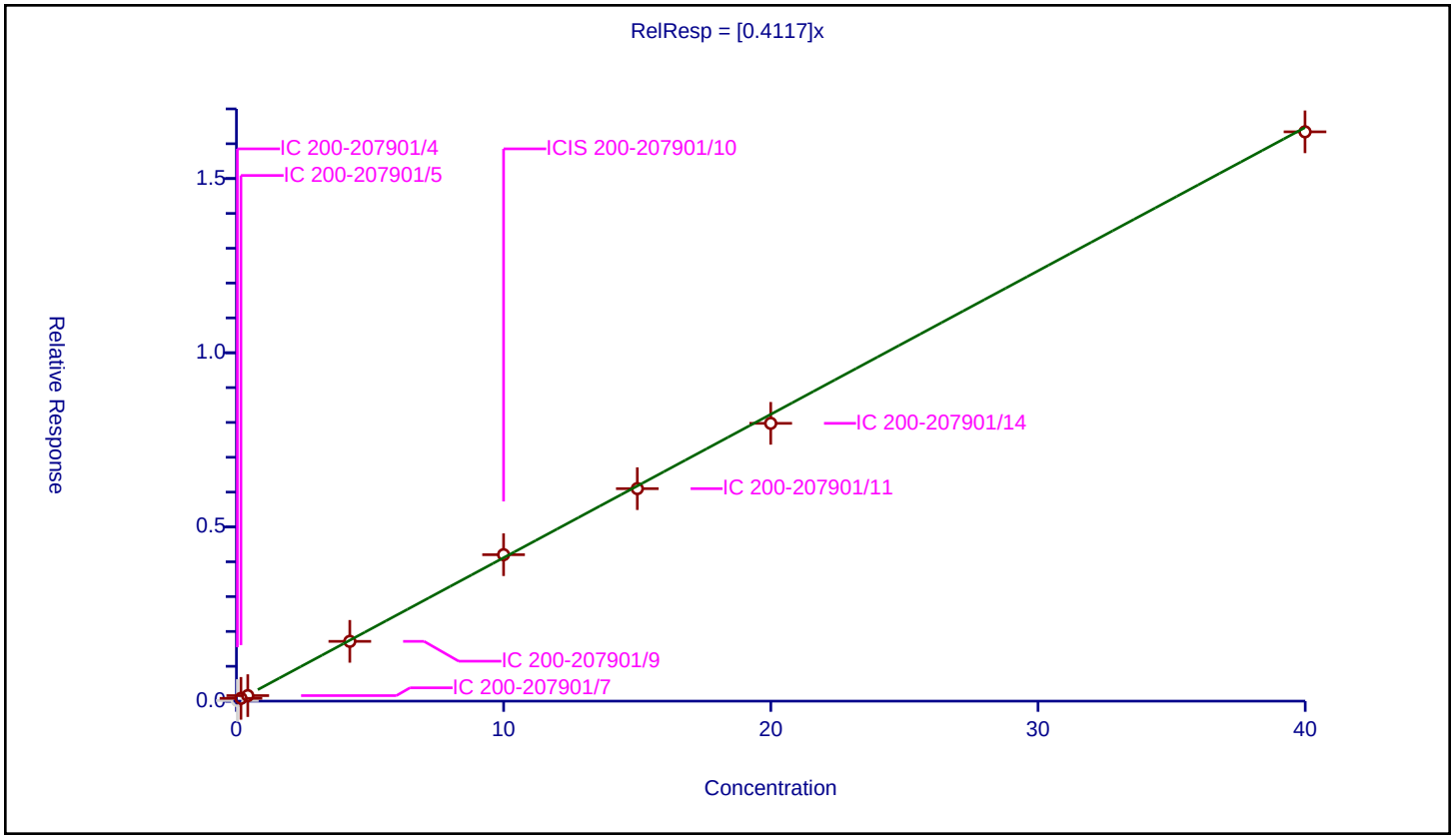
Curve Coefficients

Intercept:	0
Slope:	0.4117

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.017478	10.0	941179.0	0.498278	N
2	IC 200-207901/5	0.170374	0.080072	10.0	917179.0	0.469976	Y
3	IC 200-207901/7	0.425385	0.158696	10.0	955602.0	0.373064	Y
4	IC 200-207901/9	4.243678	1.716267	10.0	943239.0	0.404429	Y
5	ICIS 200-207901/10	9.99806	4.20343	10.0	972080.0	0.420425	Y
6	IC 200-207901/11	15.003557	6.09955	10.0	999895.0	0.40654	Y
7	IC 200-207901/14	19.99612	7.974057	10.0	1000438.0	0.39878	Y
8	IC 200-207901/15	39.99224	16.341387	10.0	1010413.0	0.408614	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

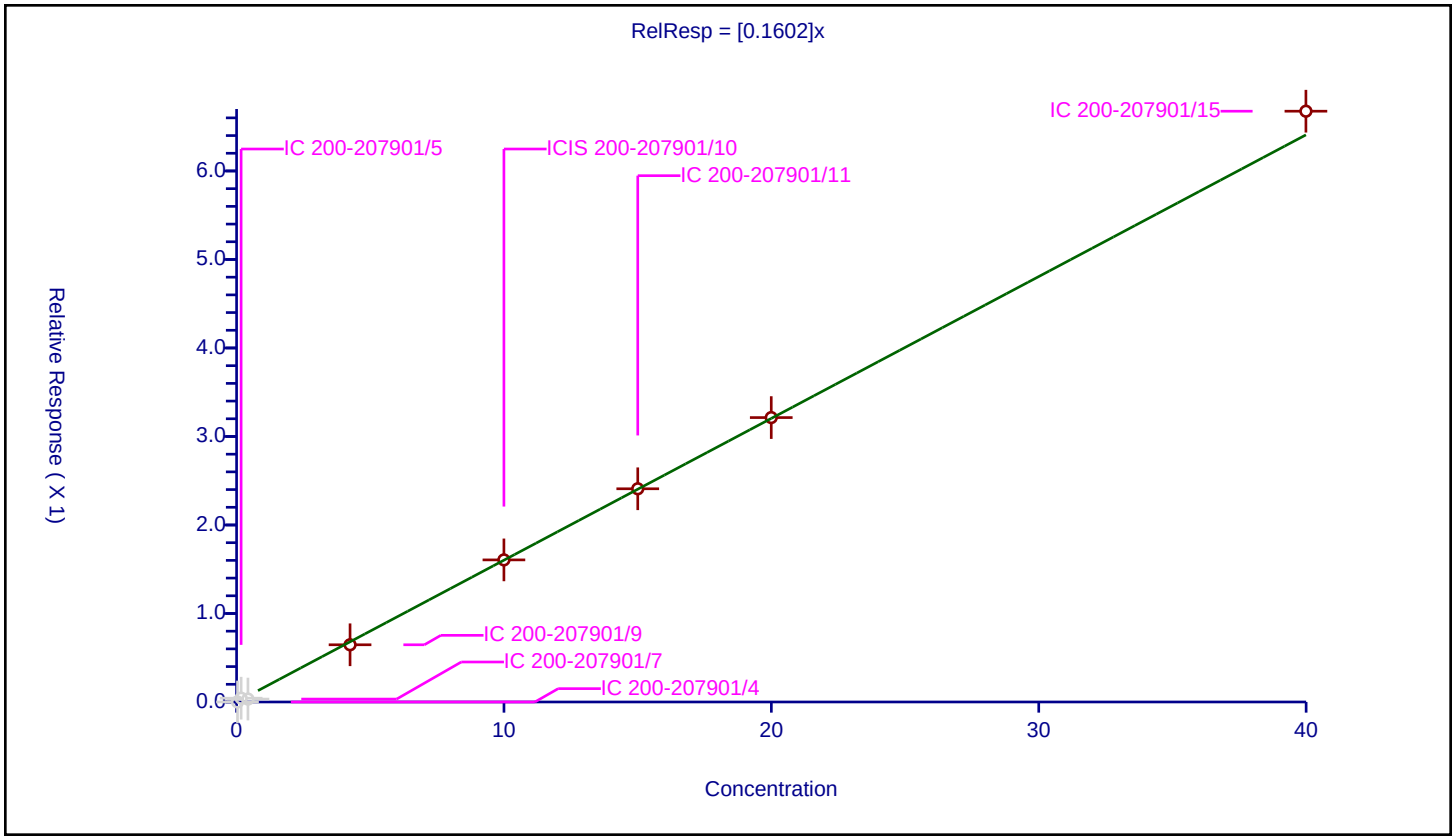
Curve Coefficients

Intercept:	0
Slope:	0.1602

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	941179.0	0.0	N
2	IC 200-207901/5	0.170374	0.042805	10.0	917179.0	0.251243	N
3	IC 200-207901/7	0.425385	0.032995	10.0	955602.0	0.077565	N
4	IC 200-207901/9	4.243678	0.646591	10.0	943239.0	0.152366	Y
5	ICIS 200-207901/10	9.99806	1.605629	10.0	972080.0	0.160594	Y
6	IC 200-207901/11	15.003557	2.408993	10.0	999895.0	0.160561	Y
7	IC 200-207901/14	19.99612	3.213433	10.0	1000438.0	0.160703	Y
8	IC 200-207901/15	39.99224	6.67529	10.0	1010413.0	0.166915	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

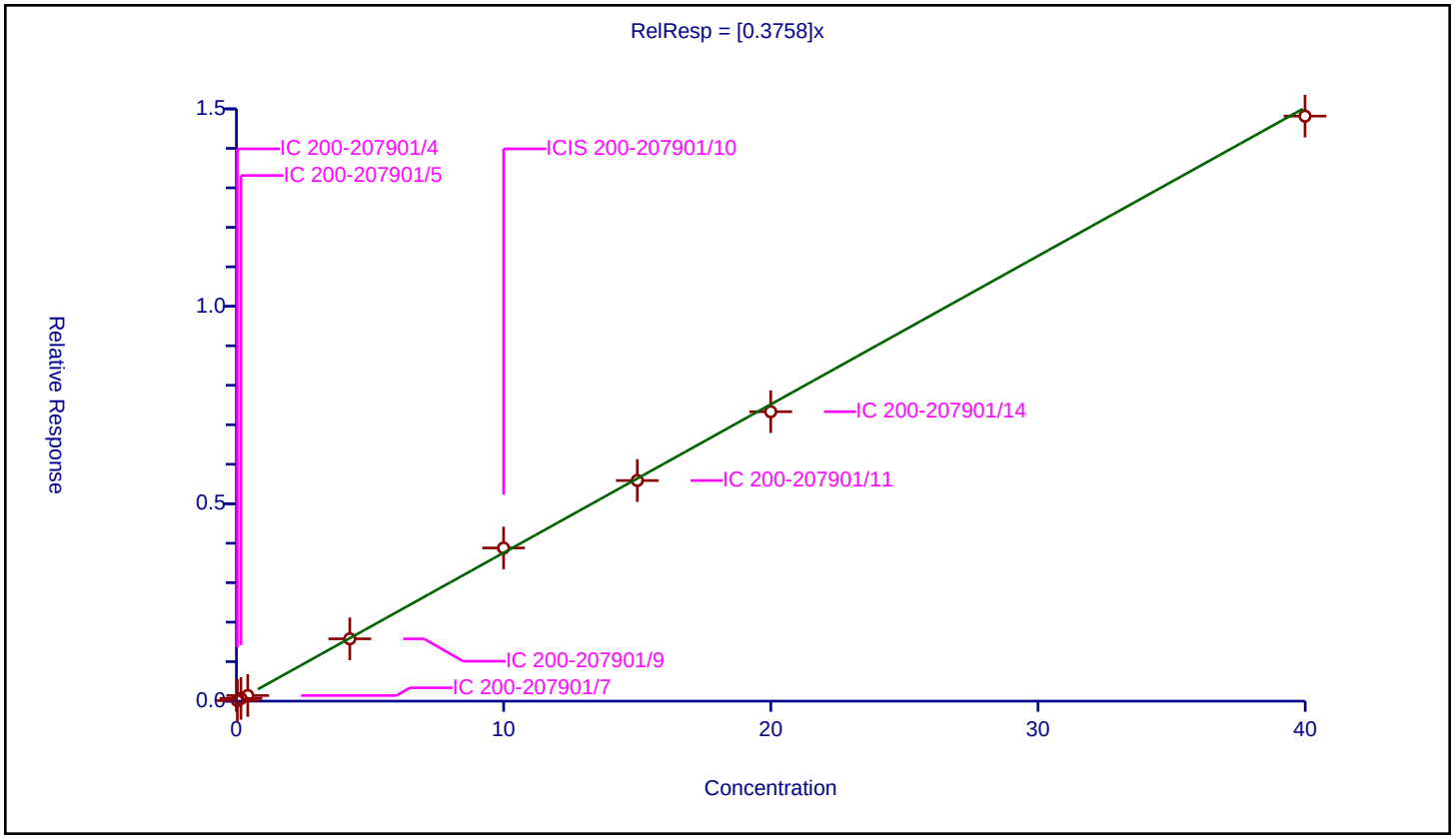
Curve Coefficients

Intercept:	0
Slope:	0.3758

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.013897	10.0	941179.0	0.396199	Y
2	IC 200-207901/5	0.170374	0.069343	10.0	917179.0	0.407006	Y
3	IC 200-207901/7	0.425385	0.14212	10.0	955602.0	0.334097	Y
4	IC 200-207901/9	4.243678	1.57785	10.0	943239.0	0.371812	Y
5	ICIS 200-207901/10	9.99806	3.879434	10.0	972080.0	0.388019	Y
6	IC 200-207901/11	15.003557	5.587887	10.0	999895.0	0.372437	Y
7	IC 200-207901/14	19.99612	7.331089	10.0	1000438.0	0.366626	Y
8	IC 200-207901/15	39.99224	14.816951	10.0	1010413.0	0.370496	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

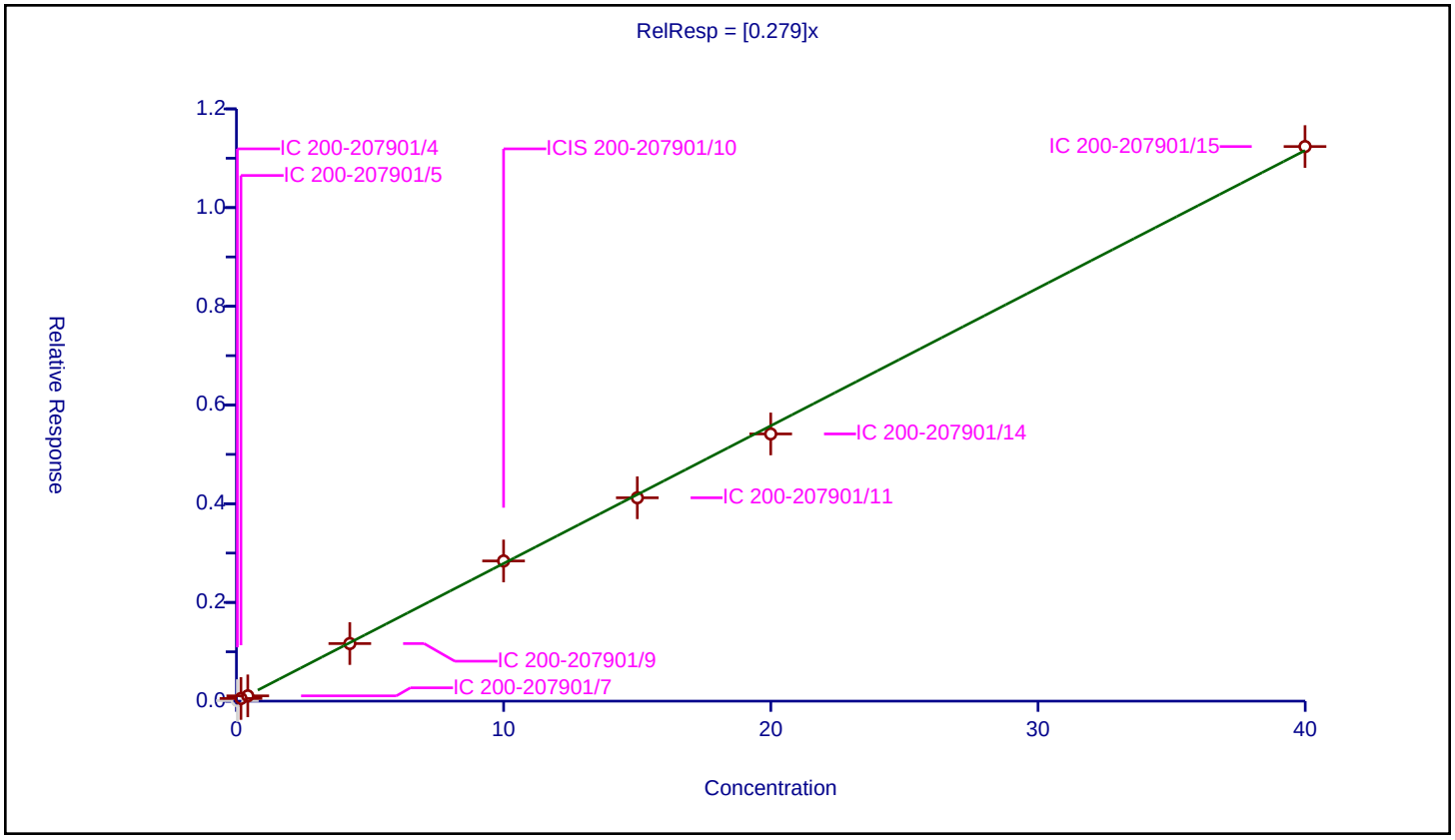
Curve Coefficients

Intercept:	0
Slope:	0.279

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.010359	10.0	941179.0	0.295332	N
2	IC 200-207901/5	0.170374	0.053719	10.0	917179.0	0.315301	Y
3	IC 200-207901/7	0.425385	0.107346	10.0	955602.0	0.25235	Y
4	IC 200-207901/9	4.243678	1.166332	10.0	943239.0	0.27484	Y
5	ICIS 200-207901/10	9.99806	2.840219	10.0	972080.0	0.284077	Y
6	IC 200-207901/11	15.003557	4.120593	10.0	999895.0	0.274641	Y
7	IC 200-207901/14	19.99612	5.414279	10.0	1000438.0	0.270766	Y
8	IC 200-207901/15	39.99224	11.237059	10.0	1010413.0	0.280981	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

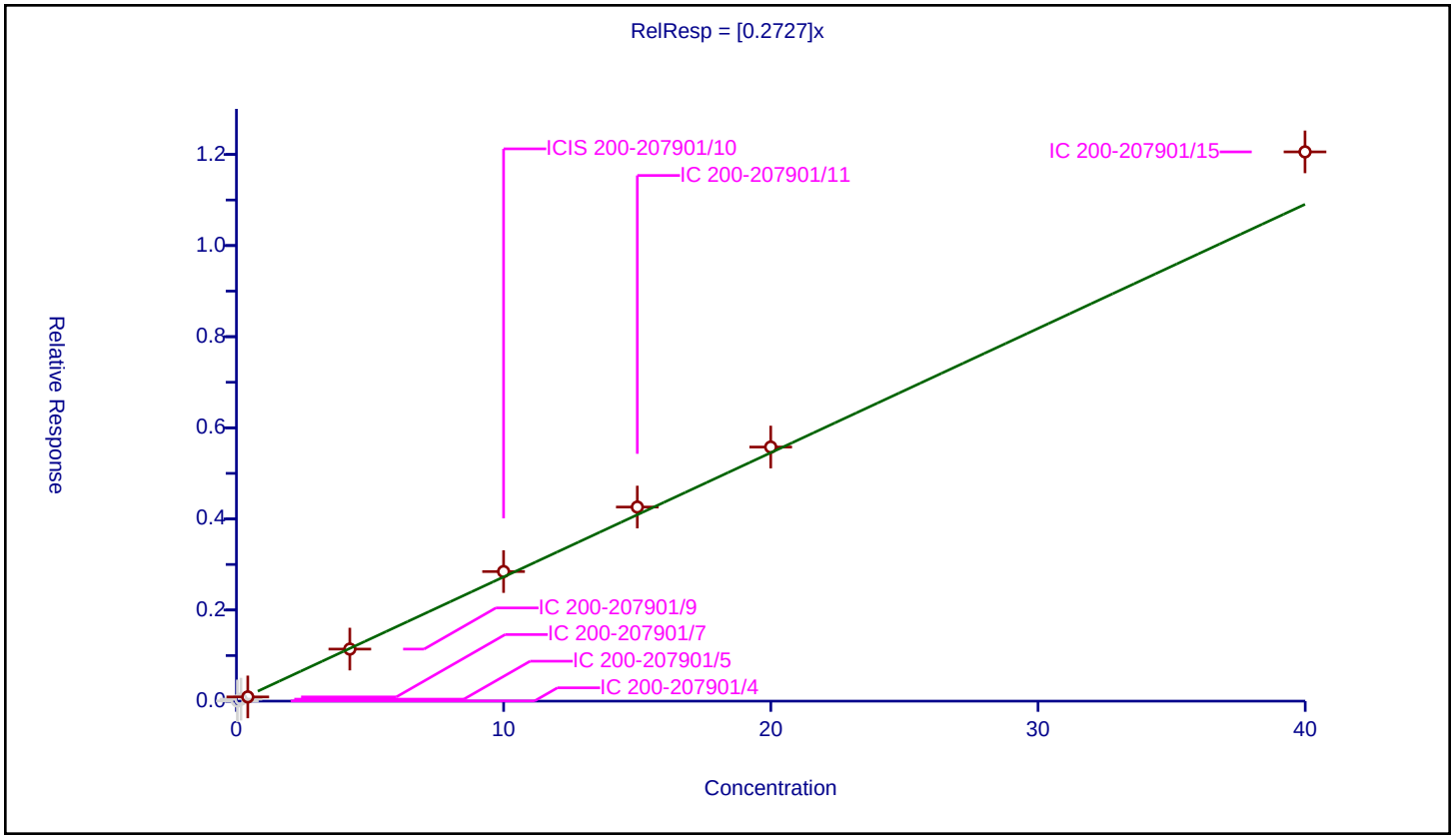
Curve Coefficients

Intercept:	0
Slope:	0.2727

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.004611	10.0	941179.0	0.131461	N
2	IC 200-207901/5	0.170374	0.043296	10.0	917179.0	0.254123	N
3	IC 200-207901/7	0.425385	0.092737	10.0	955602.0	0.218008	Y
4	IC 200-207901/9	4.243678	1.142807	10.0	943239.0	0.269296	Y
5	ICIS 200-207901/10	9.99806	2.844262	10.0	972080.0	0.284481	Y
6	IC 200-207901/11	15.003557	4.260217	10.0	999895.0	0.283947	Y
7	IC 200-207901/14	19.99612	5.577497	10.0	1000438.0	0.278929	Y
8	IC 200-207901/15	39.99224	12.056674	10.0	1010413.0	0.301475	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

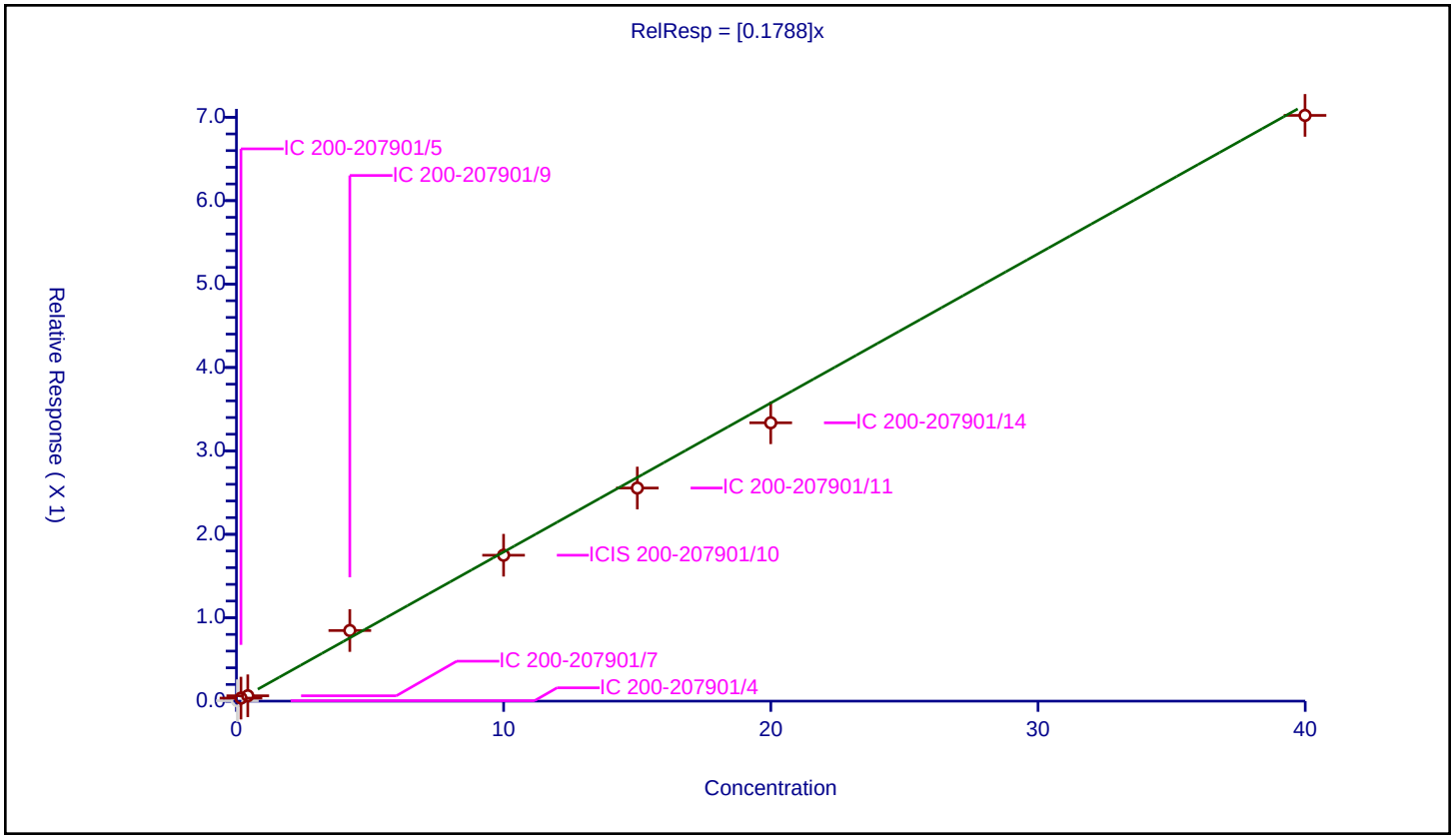
Curve Coefficients

Intercept:	0
Slope:	0.1788

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.005281	10.0	941179.0	0.150544	N
2	IC 200-207901/5	0.170374	0.036187	10.0	917179.0	0.212398	Y
3	IC 200-207901/7	0.425385	0.064493	10.0	955602.0	0.151612	Y
4	IC 200-207901/9	4.243678	0.846753	10.0	943239.0	0.199533	Y
5	ICIS 200-207901/10	9.99806	1.749321	10.0	972080.0	0.174966	Y
6	IC 200-207901/11	15.003557	2.554808	10.0	999895.0	0.17028	Y
7	IC 200-207901/14	19.99612	3.337068	10.0	1000438.0	0.166886	Y
8	IC 200-207901/15	39.99224	7.022059	10.0	1010413.0	0.175586	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

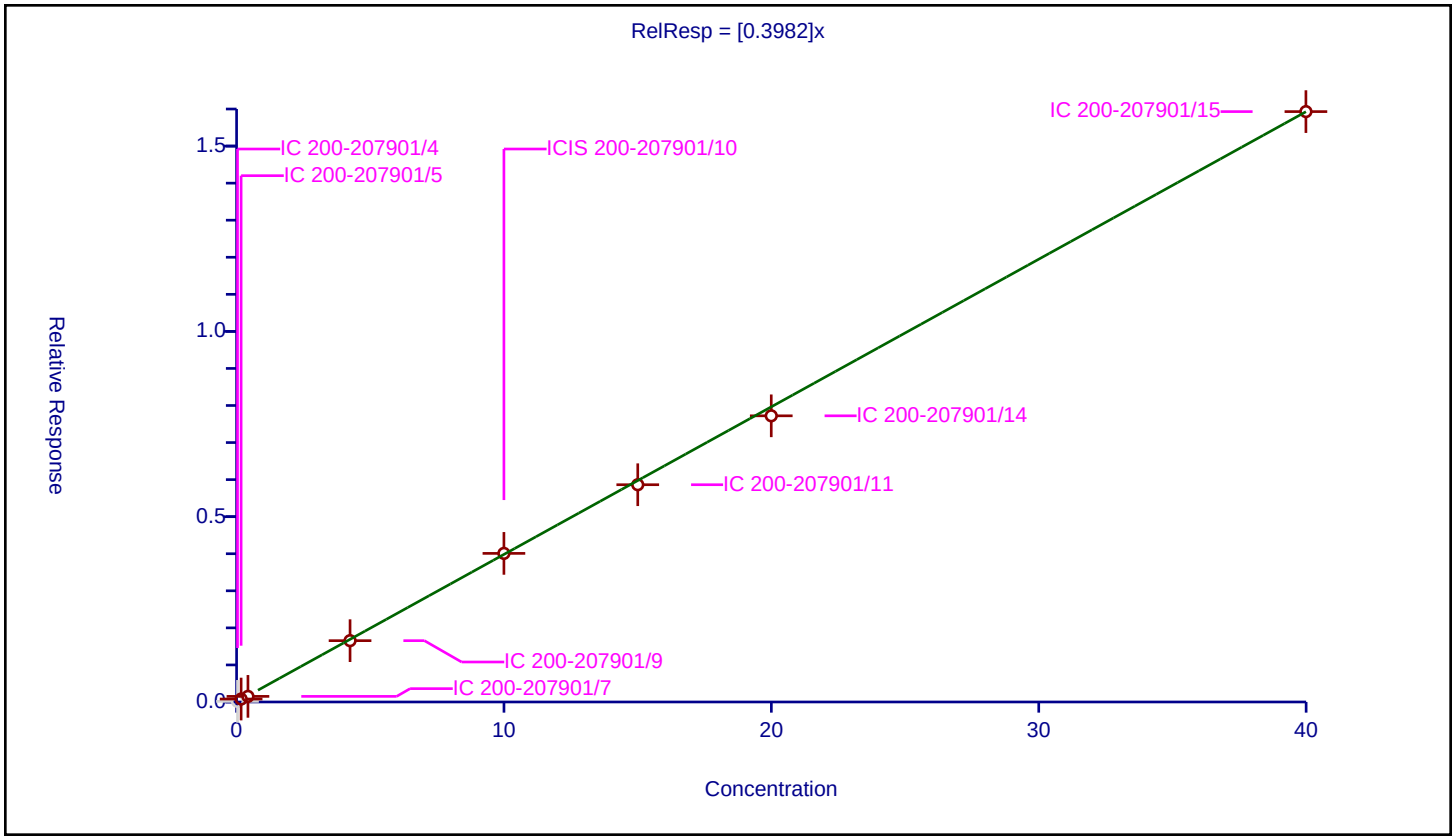
Curve Coefficients

Intercept:	0
Slope:	0.3982

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.017181	10.0	941179.0	0.489797	N
2	IC 200-207901/5	0.170374	0.07921	10.0	917179.0	0.464921	Y
3	IC 200-207901/7	0.425385	0.151684	10.0	955602.0	0.356582	Y
4	IC 200-207901/9	4.243678	1.654724	10.0	943239.0	0.389927	Y
5	ICIS 200-207901/10	9.99806	4.009464	10.0	972080.0	0.401024	Y
6	IC 200-207901/11	15.003557	5.862396	10.0	999895.0	0.390734	Y
7	IC 200-207901/14	19.99612	7.721708	10.0	1000438.0	0.38616	Y
8	IC 200-207901/15	39.99224	15.93004	10.0	1010413.0	0.398328	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

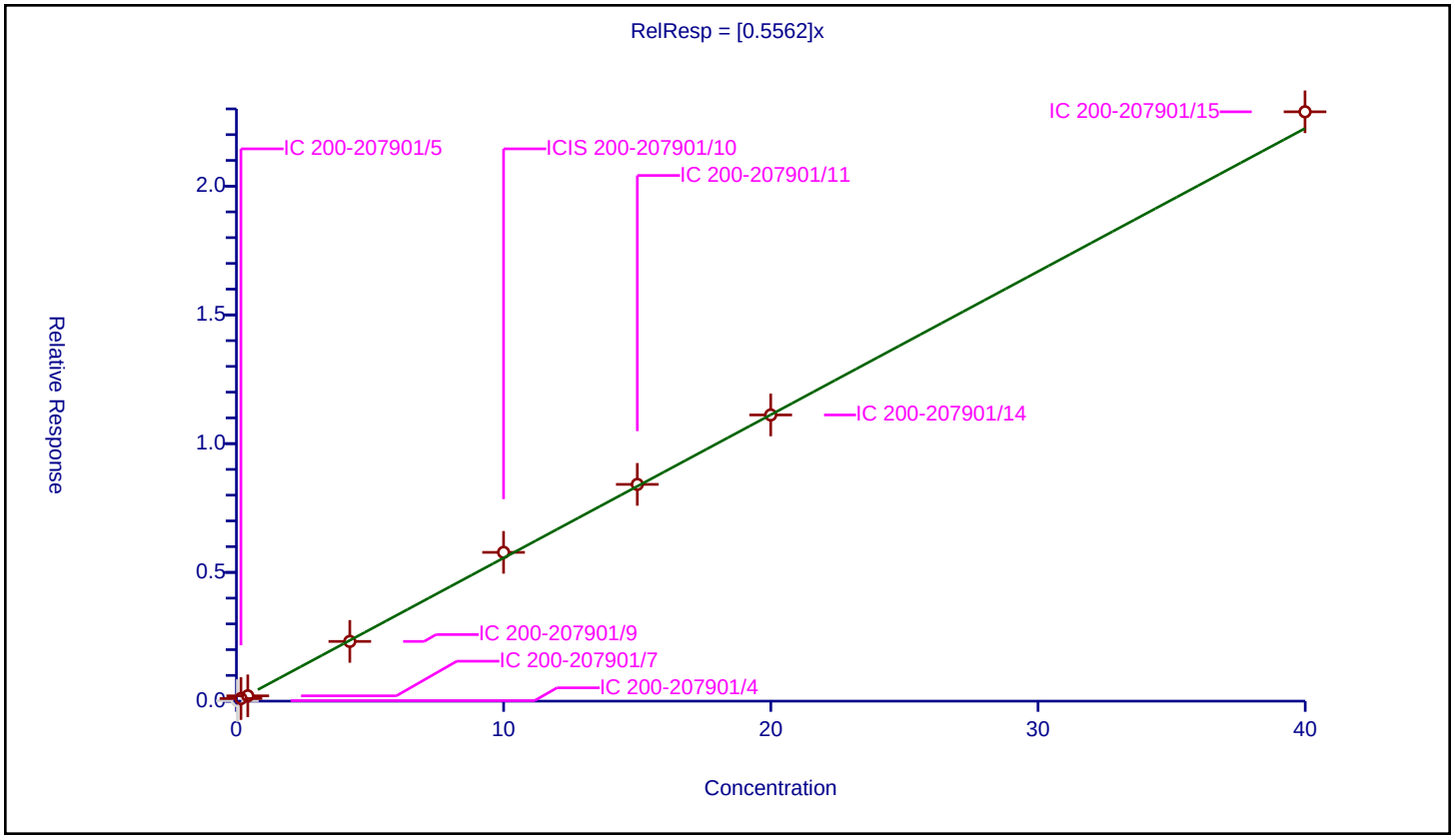
Curve Coefficients

Intercept:	0
Slope:	0.5562

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.018764	10.0	941179.0	0.53493	N
2	IC 200-207901/5	0.170374	0.101158	10.0	917179.0	0.593742	Y
3	IC 200-207901/7	0.425385	0.206613	10.0	955602.0	0.485709	Y
4	IC 200-207901/9	4.243678	2.319158	10.0	943239.0	0.546497	Y
5	ICIS 200-207901/10	9.99806	5.778763	10.0	972080.0	0.577988	Y
6	IC 200-207901/11	15.003557	8.417724	10.0	999895.0	0.561049	Y
7	IC 200-207901/14	19.99612	11.114842	10.0	1000438.0	0.55585	Y
8	IC 200-207901/15	39.99224	22.886928	10.0	1010413.0	0.572284	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

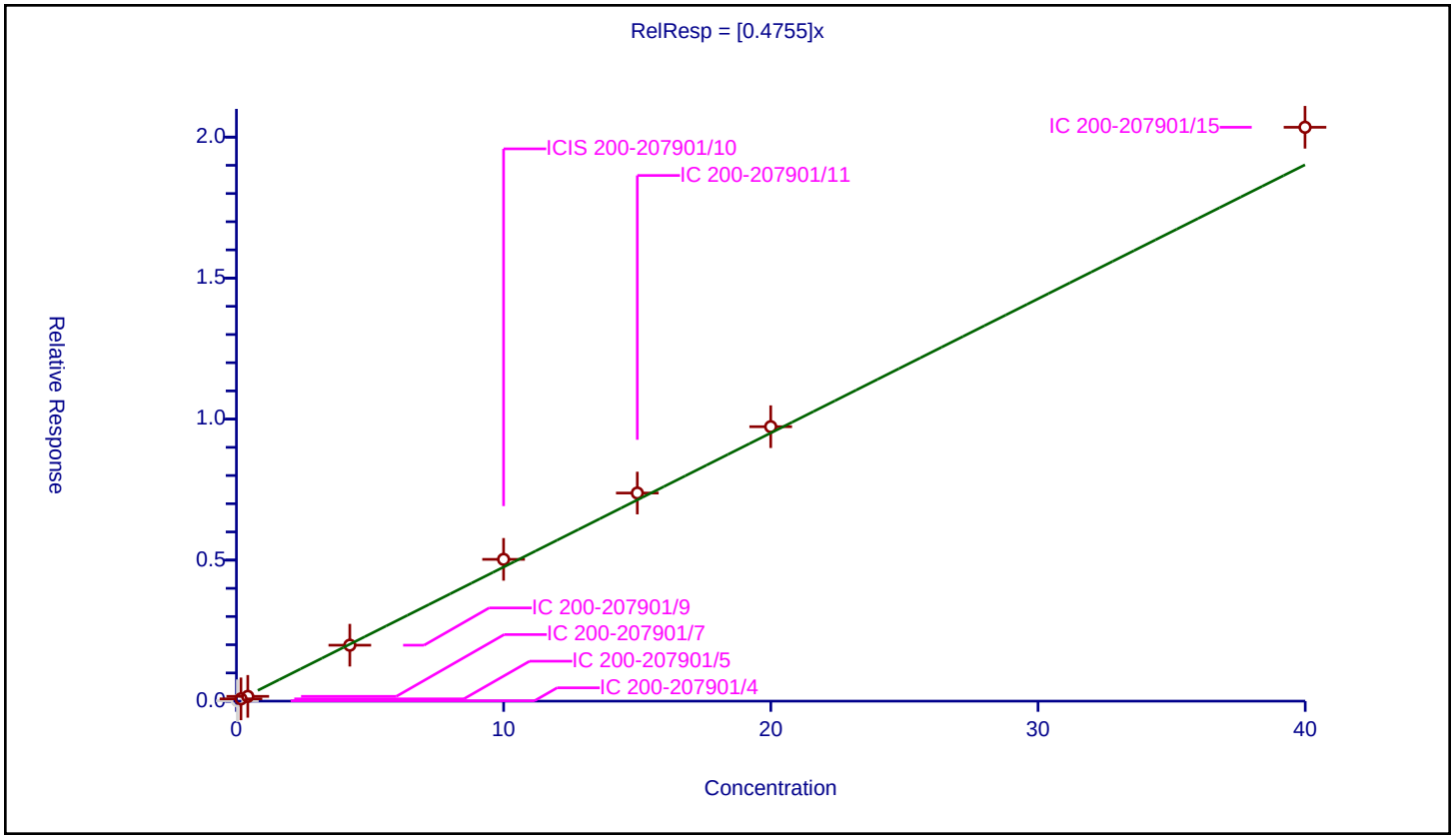
Curve Coefficients

Intercept:	0
Slope:	0.4755

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.013781	10.0	941179.0	0.392867	N
2	IC 200-207901/5	0.170374	0.080606	10.0	917179.0	0.473112	Y
3	IC 200-207901/7	0.425385	0.169296	10.0	955602.0	0.397984	Y
4	IC 200-207901/9	4.243678	1.98411	10.0	943239.0	0.467545	Y
5	ICIS 200-207901/10	9.99806	5.027014	10.0	972080.0	0.502799	Y
6	IC 200-207901/11	15.003557	7.379075	10.0	999895.0	0.491822	Y
7	IC 200-207901/14	19.99612	9.731128	10.0	1000438.0	0.486651	Y
8	IC 200-207901/15	39.99224	20.348333	10.0	1010413.0	0.508807	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

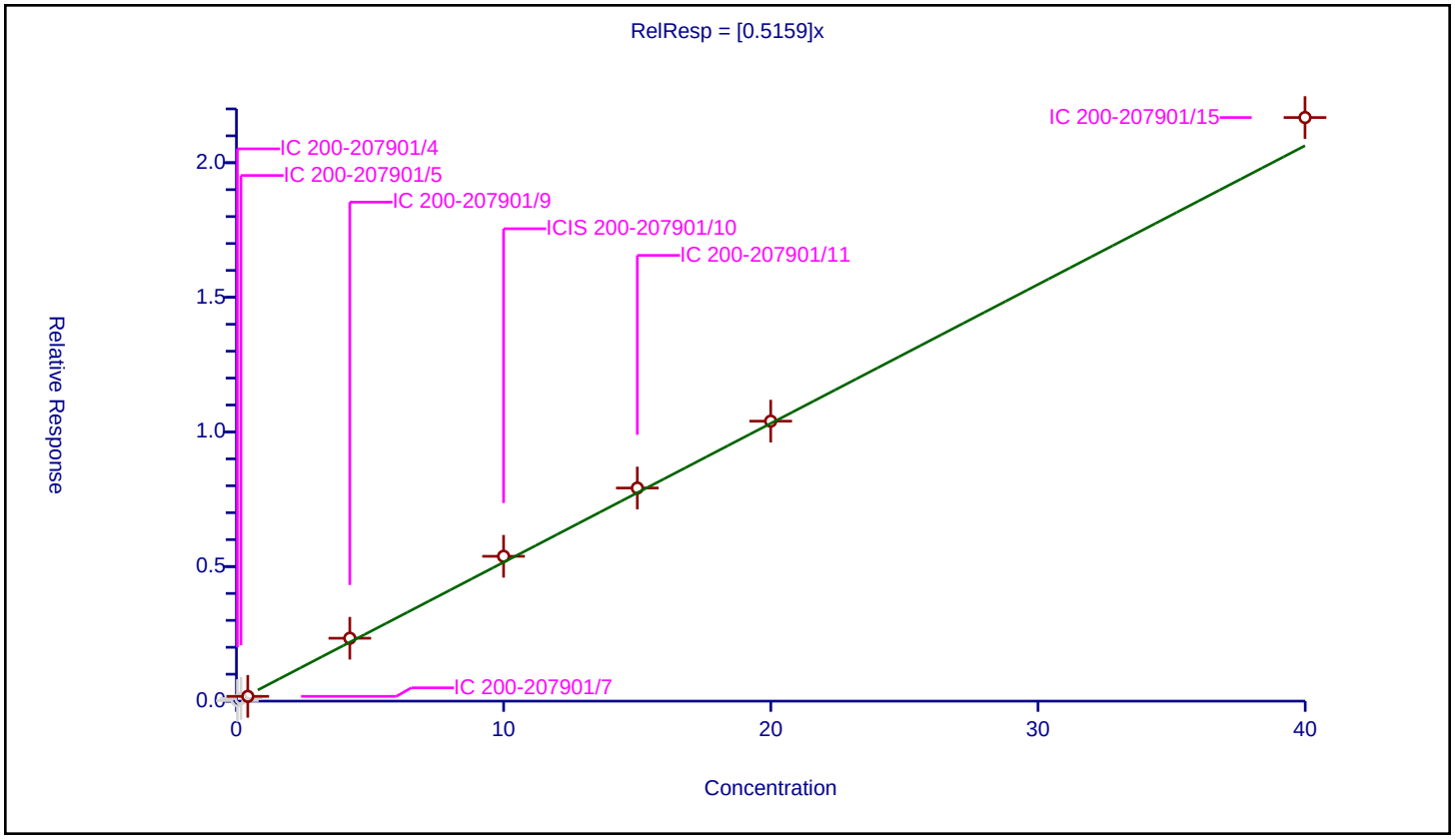
Curve Coefficients

Intercept:	0
Slope:	0.5159

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.020538	10.0	941179.0	0.585515	N
2	IC 200-207901/5	0.170374	0.098607	10.0	917179.0	0.578767	N
3	IC 200-207901/7	0.425385	0.177344	10.0	955602.0	0.416902	Y
4	IC 200-207901/9	4.243678	2.336629	10.0	943239.0	0.550614	Y
5	ICIS 200-207901/10	9.99806	5.380257	10.0	972080.0	0.53813	Y
6	IC 200-207901/11	15.003557	7.916621	10.0	999895.0	0.52765	Y
7	IC 200-207901/14	19.99612	10.400655	10.0	1000438.0	0.520134	Y
8	IC 200-207901/15	39.99224	21.67965	10.0	1010413.0	0.542096	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

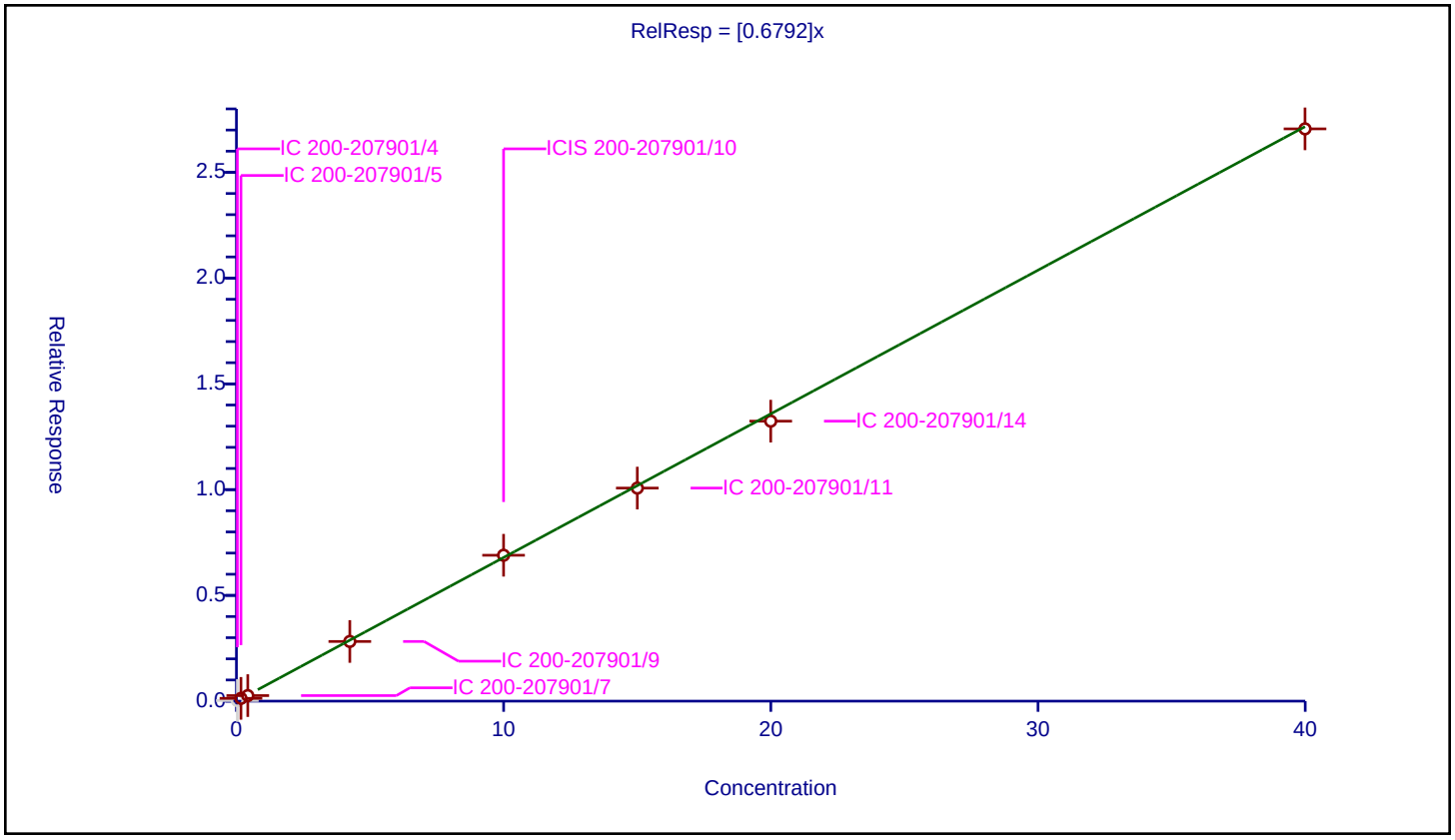
Curve Coefficients

Intercept:	0
Slope:	0.6792

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.028014	10.0	792819.0	0.798643	N
2	IC 200-207901/5	0.170374	0.131376	10.0	803955.0	0.771102	Y
3	IC 200-207901/7	0.425385	0.263097	10.0	836878.0	0.618492	Y
4	IC 200-207901/9	4.243678	2.82114	10.0	833780.0	0.664786	Y
5	ICIS 200-207901/10	9.99806	6.89744	10.0	865150.0	0.689878	Y
6	IC 200-207901/11	15.003557	10.07248	10.0	889482.0	0.67134	Y
7	IC 200-207901/14	19.99612	13.236624	10.0	893672.0	0.66196	Y
8	IC 200-207901/15	39.99224	27.05558	10.0	908488.0	0.676521	Y



Calibration / n-Octane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

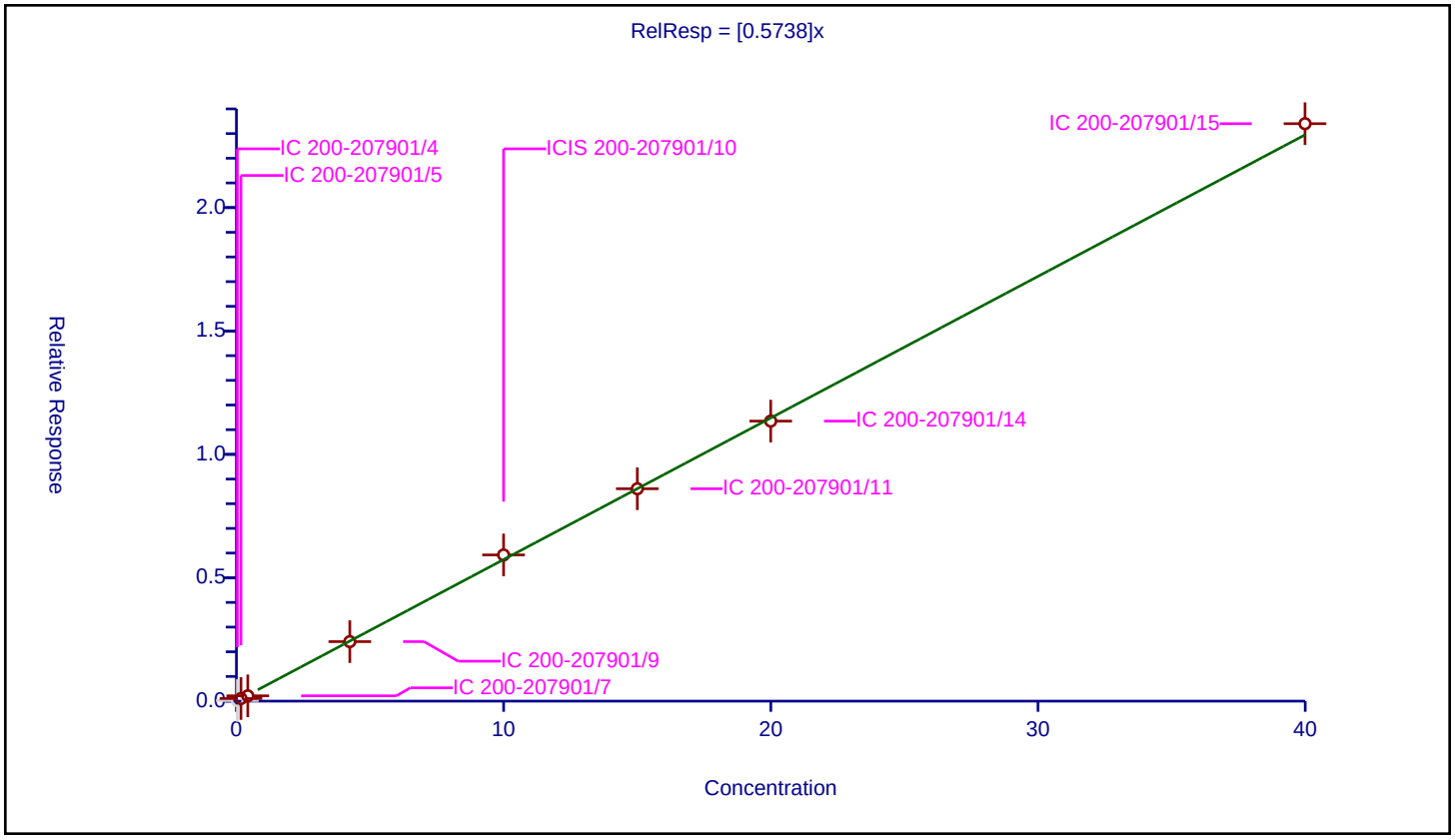
Curve Coefficients

Intercept:	0
Slope:	0.5738

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.022759	10.0	941179.0	0.648822	N
2	IC 200-207901/5	0.170374	0.106075	10.0	917179.0	0.622603	Y
3	IC 200-207901/7	0.425385	0.215623	10.0	955602.0	0.50689	Y
4	IC 200-207901/9	4.243678	2.411446	10.0	943239.0	0.568244	Y
5	ICIS 200-207901/10	9.99806	5.924348	10.0	972080.0	0.59255	Y
6	IC 200-207901/11	15.003557	8.607384	10.0	999895.0	0.57369	Y
7	IC 200-207901/14	19.99612	11.348539	10.0	1000438.0	0.567537	Y
8	IC 200-207901/15	39.99224	23.401065	10.0	1010413.0	0.58514	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

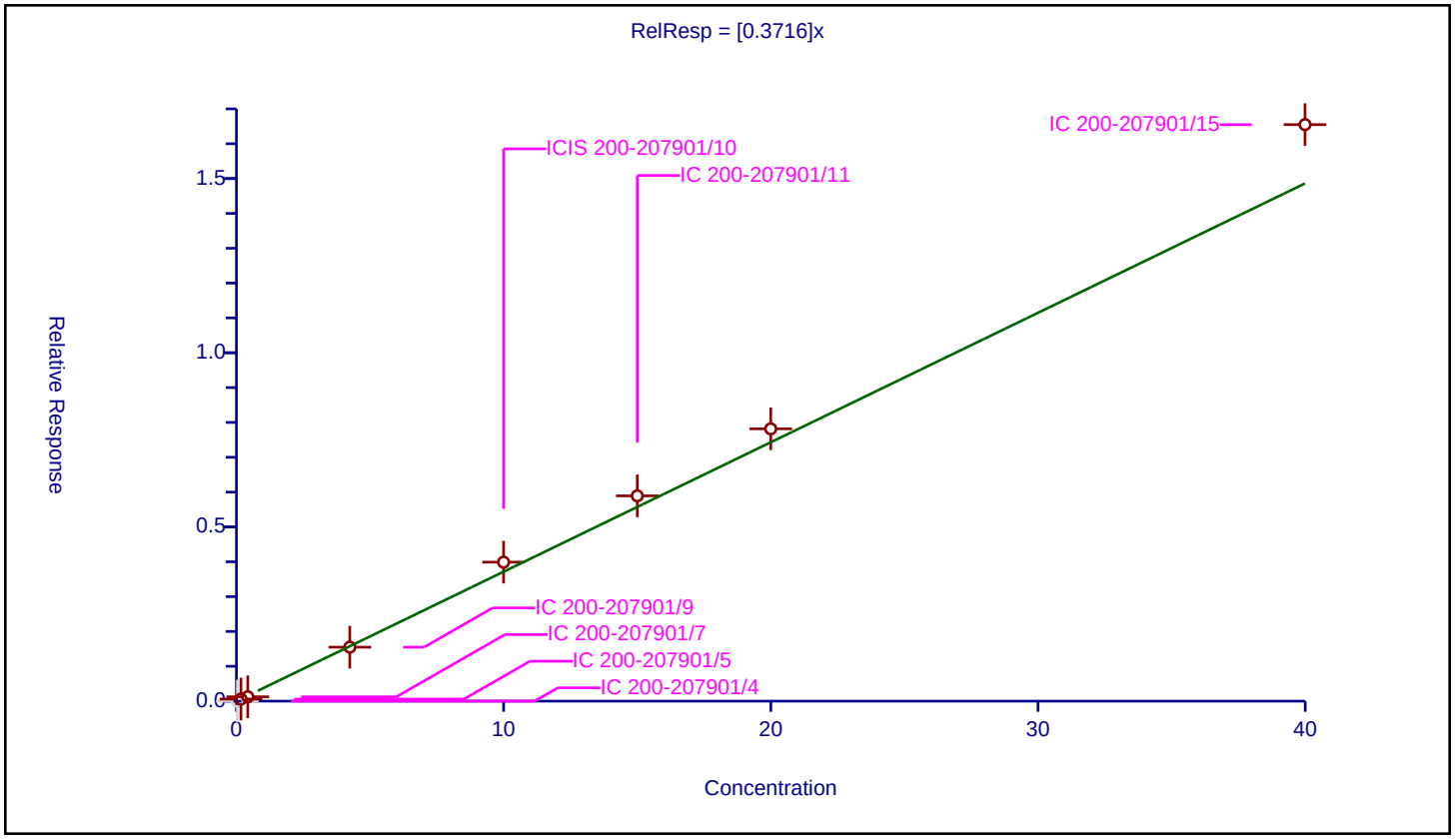
Curve Coefficients

Intercept:	0
Slope:	0.3716

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.0	10.0	941179.0	0.0	N
2	IC 200-207901/5	0.170374	0.059007	10.0	917179.0	0.346339	Y
3	IC 200-207901/7	0.425385	0.124654	10.0	955602.0	0.293039	Y
4	IC 200-207901/9	4.243678	1.549586	10.0	943239.0	0.365152	Y
5	ICIS 200-207901/10	9.99806	3.989229	10.0	972080.0	0.399	Y
6	IC 200-207901/11	15.003557	5.892609	10.0	999895.0	0.392747	Y
7	IC 200-207901/14	19.99612	7.816436	10.0	1000438.0	0.390898	Y
8	IC 200-207901/15	39.99224	16.548045	10.0	1010413.0	0.413781	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

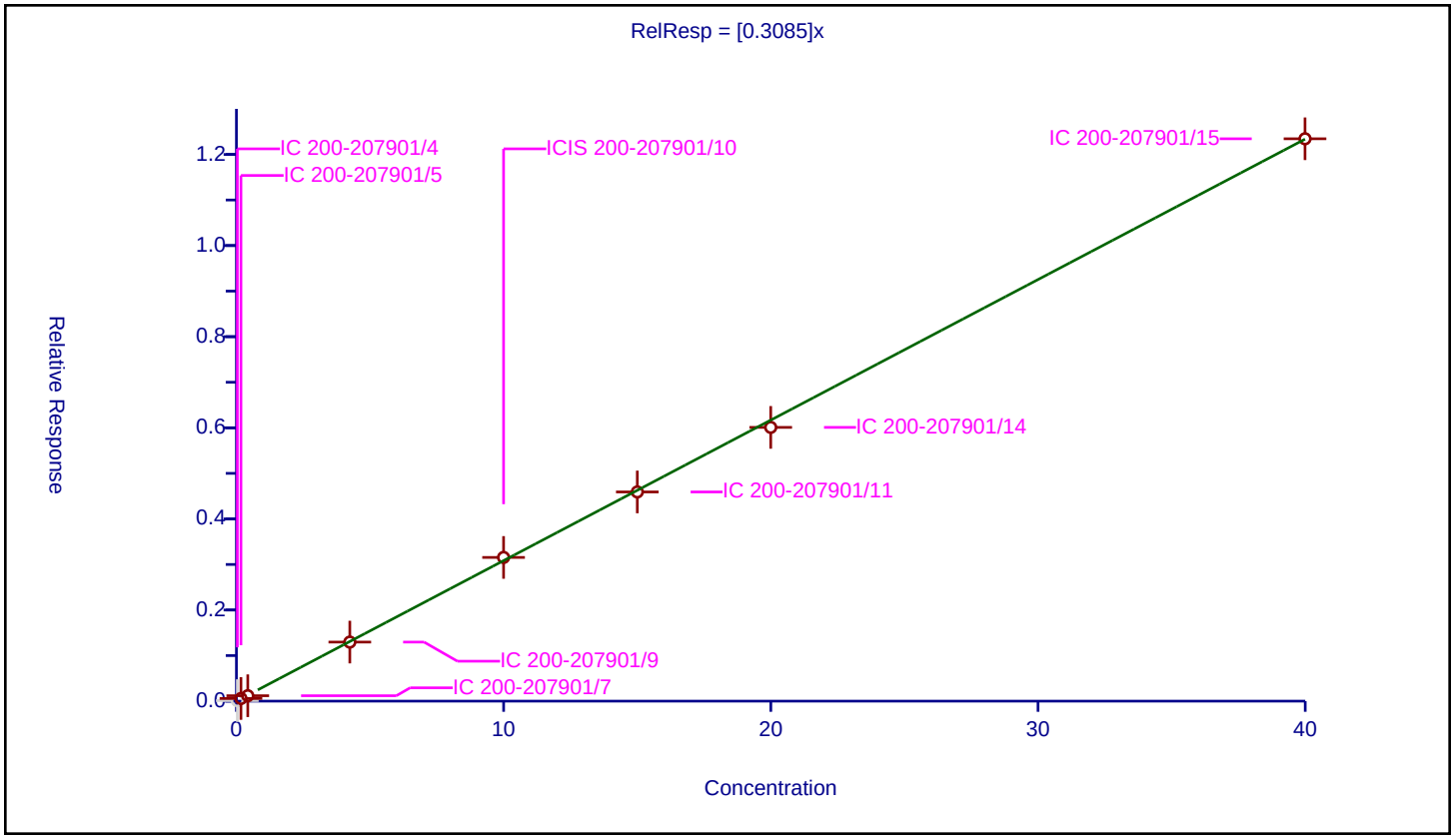
Curve Coefficients

Intercept:	0
Slope:	0.3085

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.011365	10.0	792819.0	0.323988	N
2	IC 200-207901/5	0.170374	0.058436	10.0	803955.0	0.342988	Y
3	IC 200-207901/7	0.425385	0.119157	10.0	836878.0	0.280116	Y
4	IC 200-207901/9	4.243678	1.296121	10.0	833780.0	0.305424	Y
5	ICIS 200-207901/10	9.99806	3.154228	10.0	865150.0	0.315484	Y
6	IC 200-207901/11	15.003557	4.591942	10.0	889482.0	0.306057	Y
7	IC 200-207901/14	19.99612	6.009274	10.0	893672.0	0.300522	Y
8	IC 200-207901/15	39.99224	12.343806	10.0	908488.0	0.308655	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

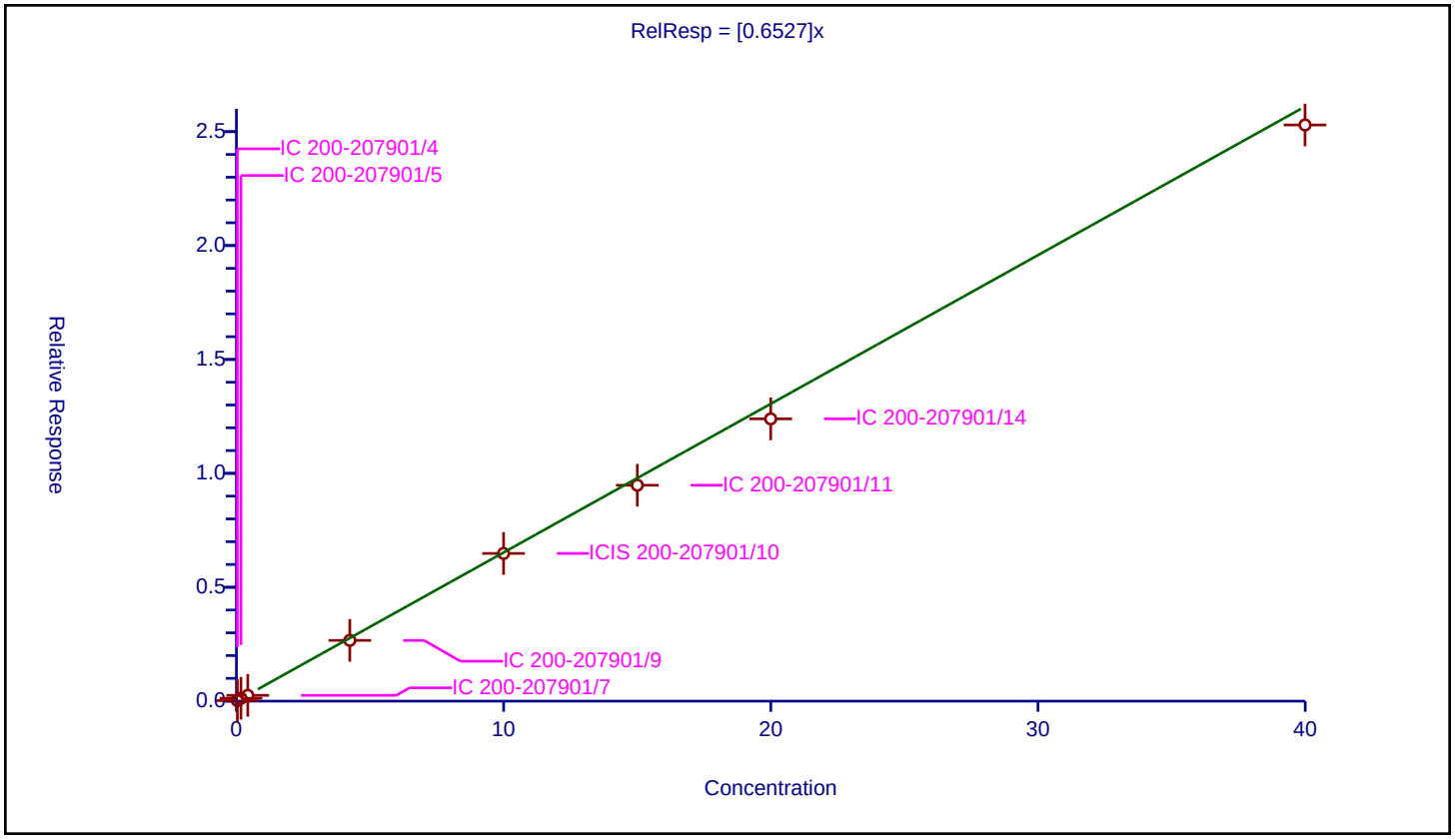
Curve Coefficients

Intercept:	0
Slope:	0.6527

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.025252	10.0	792819.0	0.719894	Y
2	IC 200-207901/5	0.170374	0.126636	10.0	803955.0	0.743286	Y
3	IC 200-207901/7	0.425385	0.25398	10.0	836878.0	0.597059	Y
4	IC 200-207901/9	4.243678	2.667718	10.0	833780.0	0.628633	Y
5	ICIS 200-207901/10	9.99806	6.483523	10.0	865150.0	0.648478	Y
6	IC 200-207901/11	15.003557	9.479	10.0	889482.0	0.631784	Y
7	IC 200-207901/14	19.99612	12.392309	10.0	893672.0	0.619736	Y
8	IC 200-207901/15	39.99224	25.294027	10.0	908488.0	0.632473	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

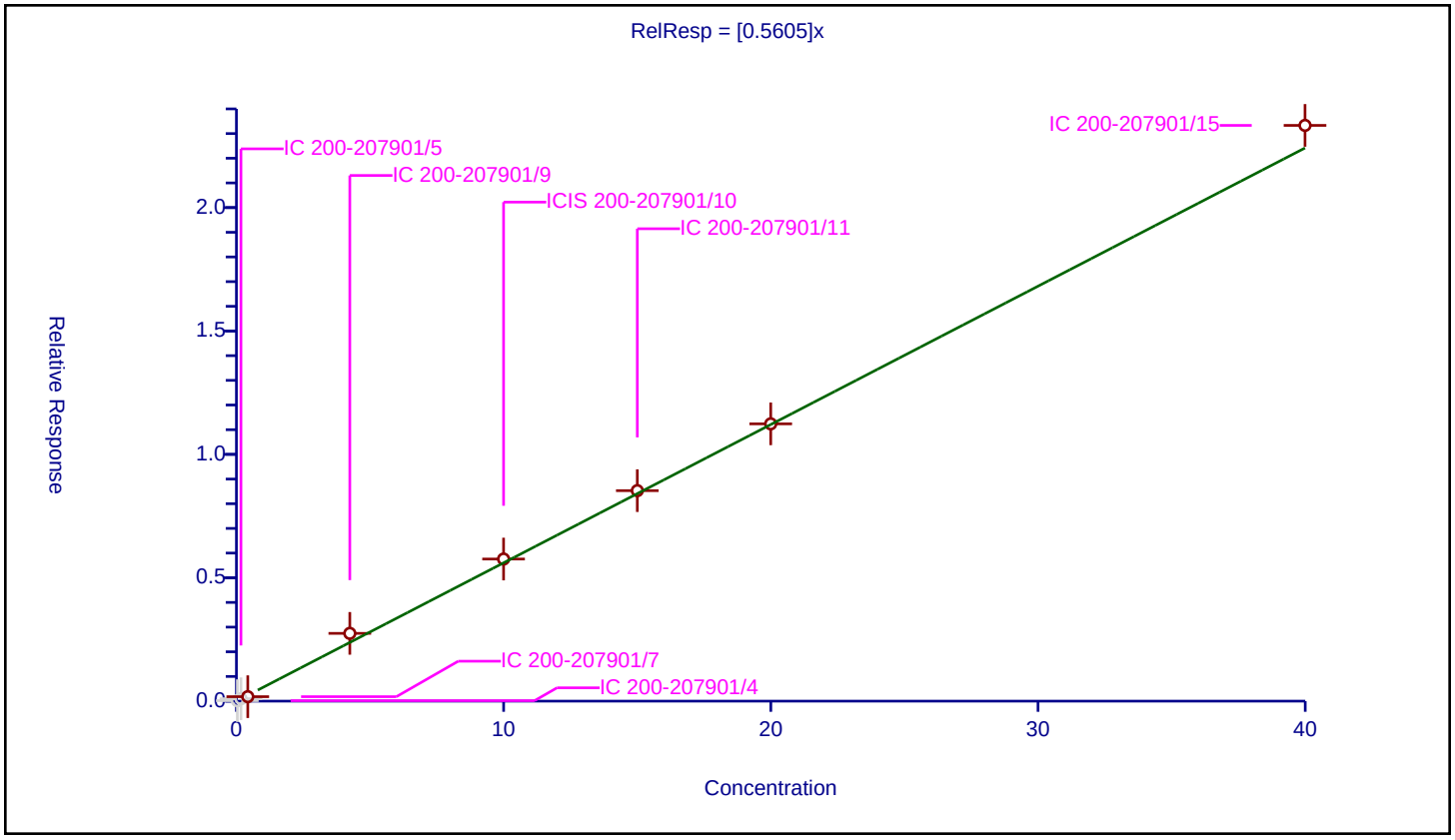
Curve Coefficients

Intercept:	0
Slope:	0.5605

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.018617	10.0	792819.0	0.530751	N
2	IC 200-207901/5	0.170374	0.097306	10.0	803955.0	0.571135	N
3	IC 200-207901/7	0.425385	0.181245	10.0	836878.0	0.426073	Y
4	IC 200-207901/9	4.243678	2.745928	10.0	833780.0	0.647063	Y
5	ICIS 200-207901/10	9.99806	5.758377	10.0	865150.0	0.575949	Y
6	IC 200-207901/11	15.003557	8.530549	10.0	889482.0	0.568568	Y
7	IC 200-207901/14	19.99612	11.236796	10.0	893672.0	0.561949	Y
8	IC 200-207901/15	39.99224	23.331128	10.0	908488.0	0.583391	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

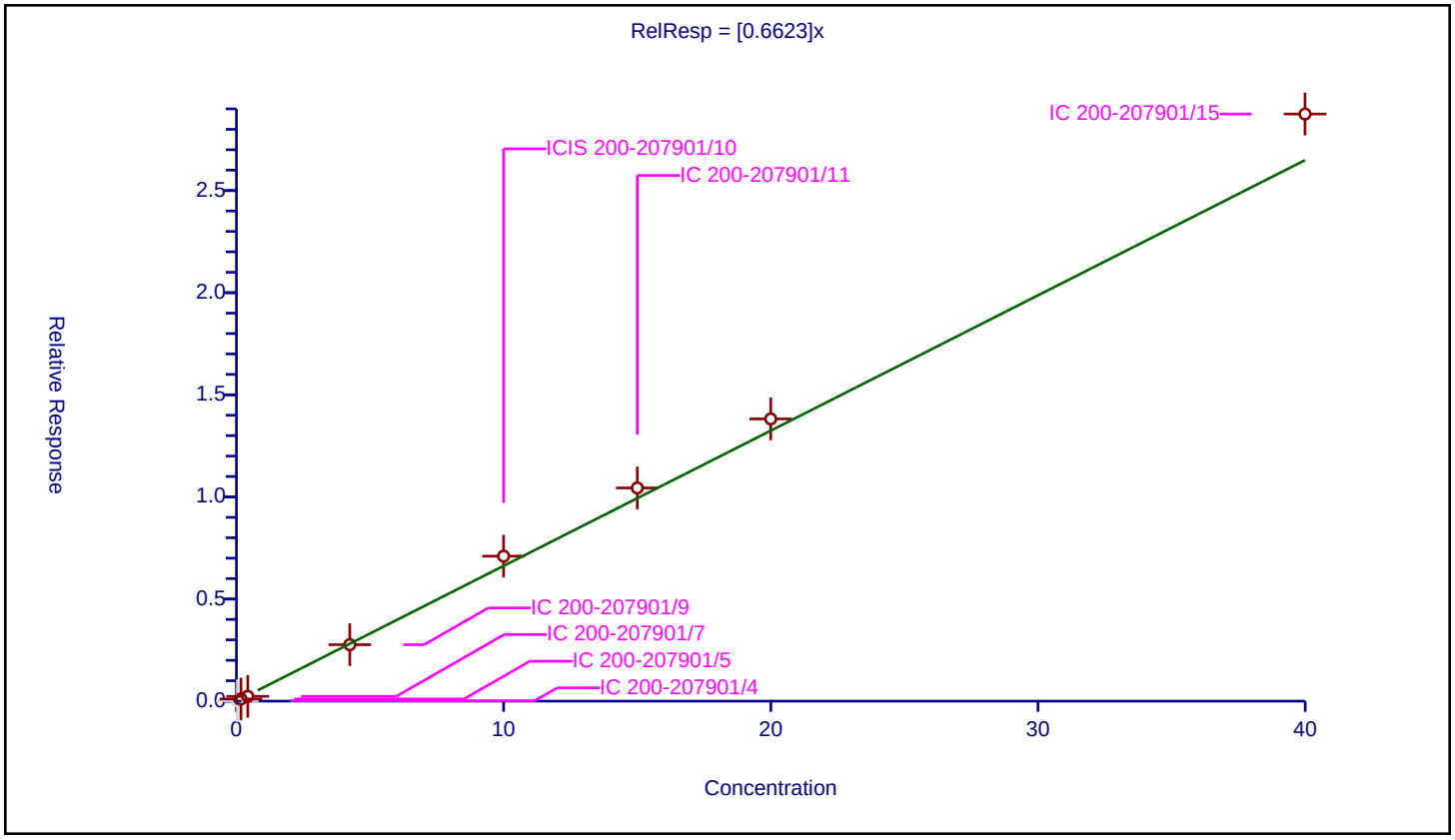
Curve Coefficients

Intercept:	0
Slope:	0.6623

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.016246	10.0	792819.0	0.463148	N
2	IC 200-207901/5	0.170374	0.104944	10.0	803955.0	0.615962	Y
3	IC 200-207901/7	0.425385	0.235303	10.0	836878.0	0.553154	Y
4	IC 200-207901/9	4.243678	2.764722	10.0	833780.0	0.651492	Y
5	ICIS 200-207901/10	9.99806	7.099555	10.0	865150.0	0.710093	Y
6	IC 200-207901/11	15.003557	10.438772	10.0	889482.0	0.695753	Y
7	IC 200-207901/14	19.99612	13.819131	10.0	893672.0	0.691091	Y
8	IC 200-207901/15	39.99224	28.748921	10.0	908488.0	0.718862	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

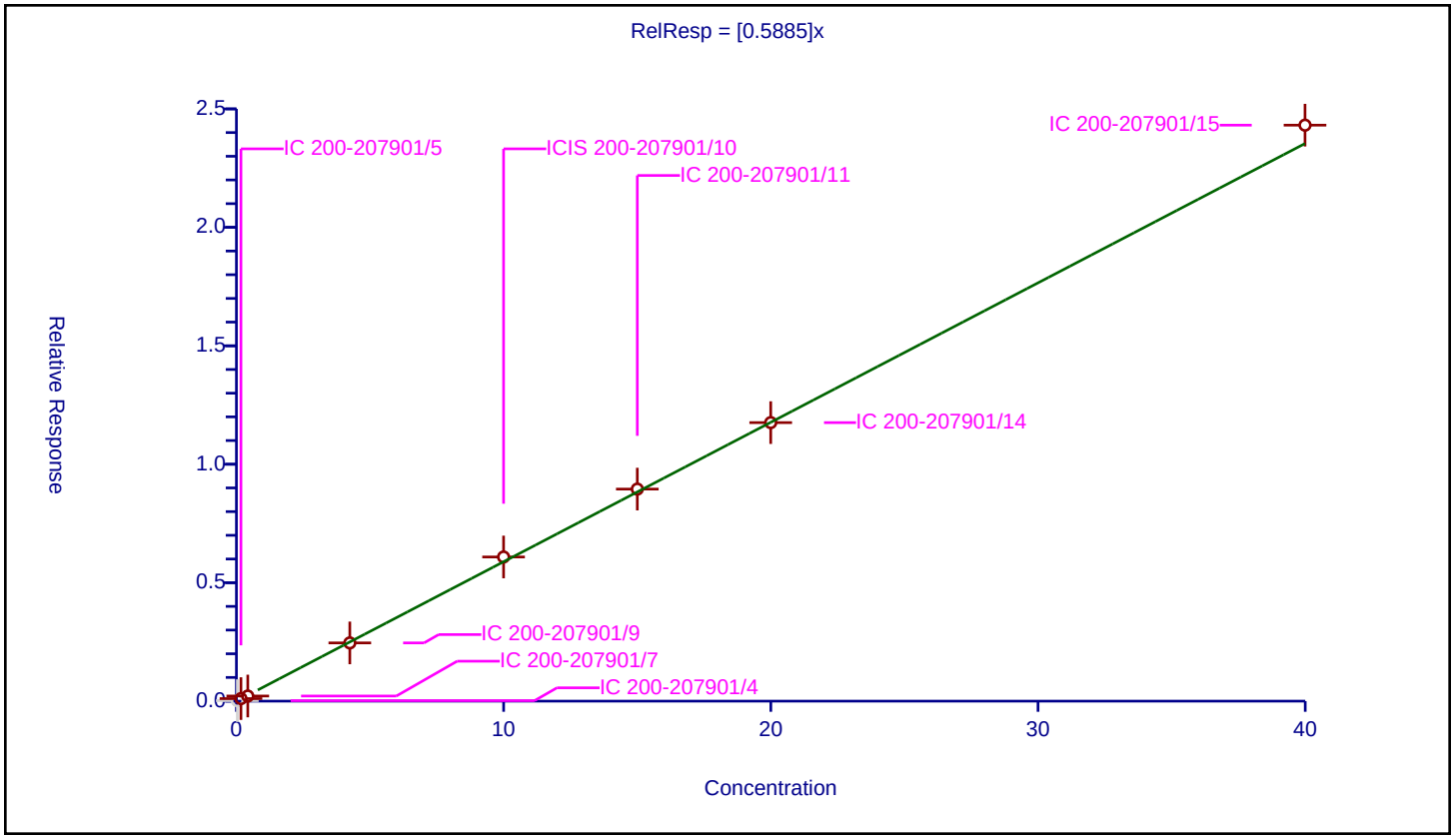
Curve Coefficients

Intercept:	0
Slope:	0.5885

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.020282	10.0	792819.0	0.578216	N
2	IC 200-207901/5	0.170374	0.107618	10.0	803955.0	0.631658	Y
3	IC 200-207901/7	0.425385	0.216029	10.0	836878.0	0.507844	Y
4	IC 200-207901/9	4.243678	2.457903	10.0	833780.0	0.579192	Y
5	ICIS 200-207901/10	9.99806	6.08461	10.0	865150.0	0.608579	Y
6	IC 200-207901/11	15.003557	8.951097	10.0	889482.0	0.596598	Y
7	IC 200-207901/14	19.99612	11.75702	10.0	893672.0	0.587965	Y
8	IC 200-207901/15	39.99224	24.313442	10.0	908488.0	0.607954	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

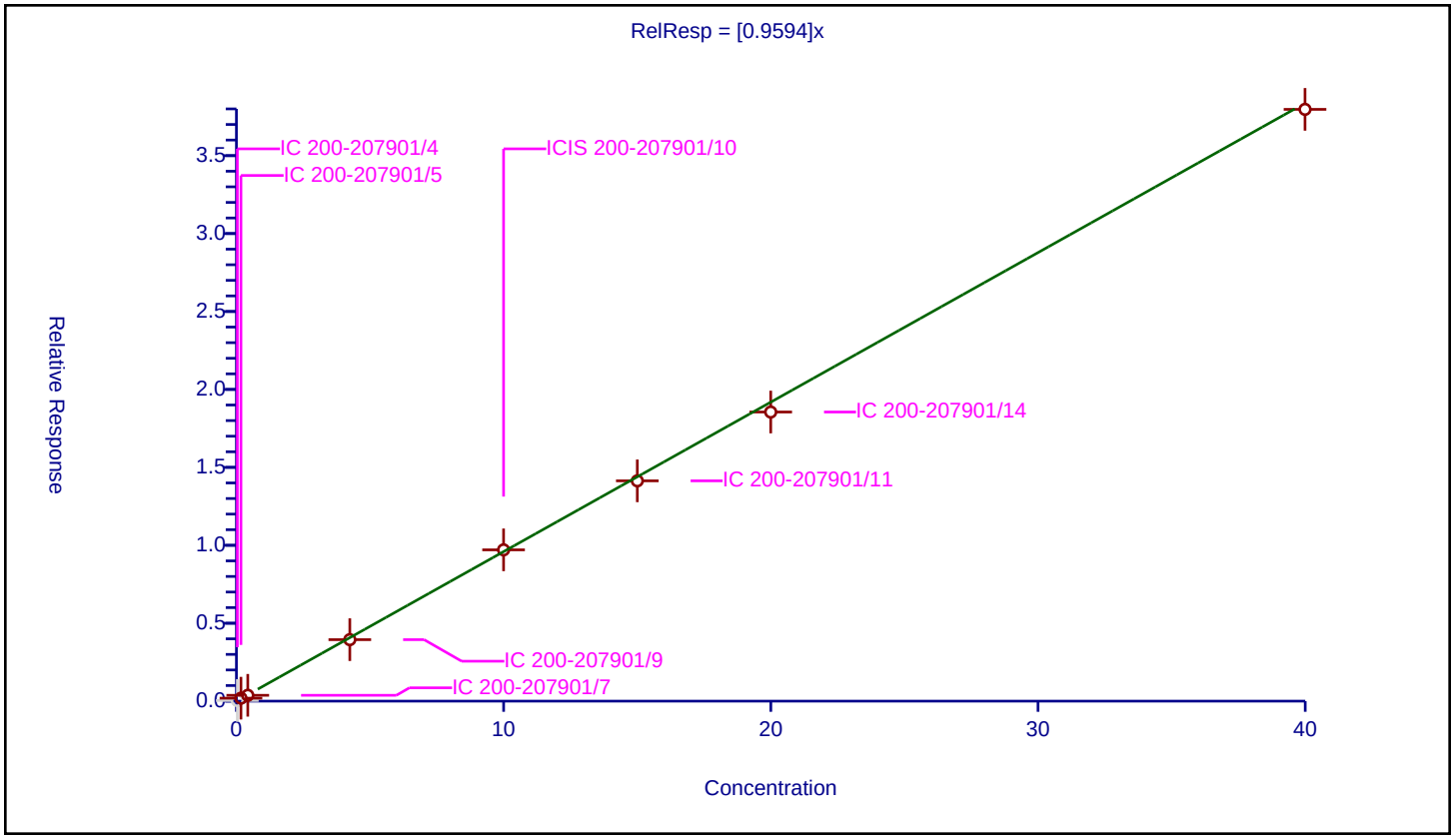
Curve Coefficients

Intercept:	0
Slope:	0.9594

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.039479	10.0	792819.0	1.125508	N
2	IC 200-207901/5	0.170374	0.19006	10.0	803955.0	1.11555	Y
3	IC 200-207901/7	0.425385	0.374463	10.0	836878.0	0.880293	Y
4	IC 200-207901/9	4.243678	3.944926	10.0	833780.0	0.9296	Y
5	ICIS 200-207901/10	9.99806	9.706768	10.0	865150.0	0.970865	Y
6	IC 200-207901/11	15.003557	14.135036	10.0	889482.0	0.942112	Y
7	IC 200-207901/14	19.99612	18.550117	10.0	893672.0	0.927686	Y
8	IC 200-207901/15	39.99224	37.968779	10.0	908488.0	0.949404	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

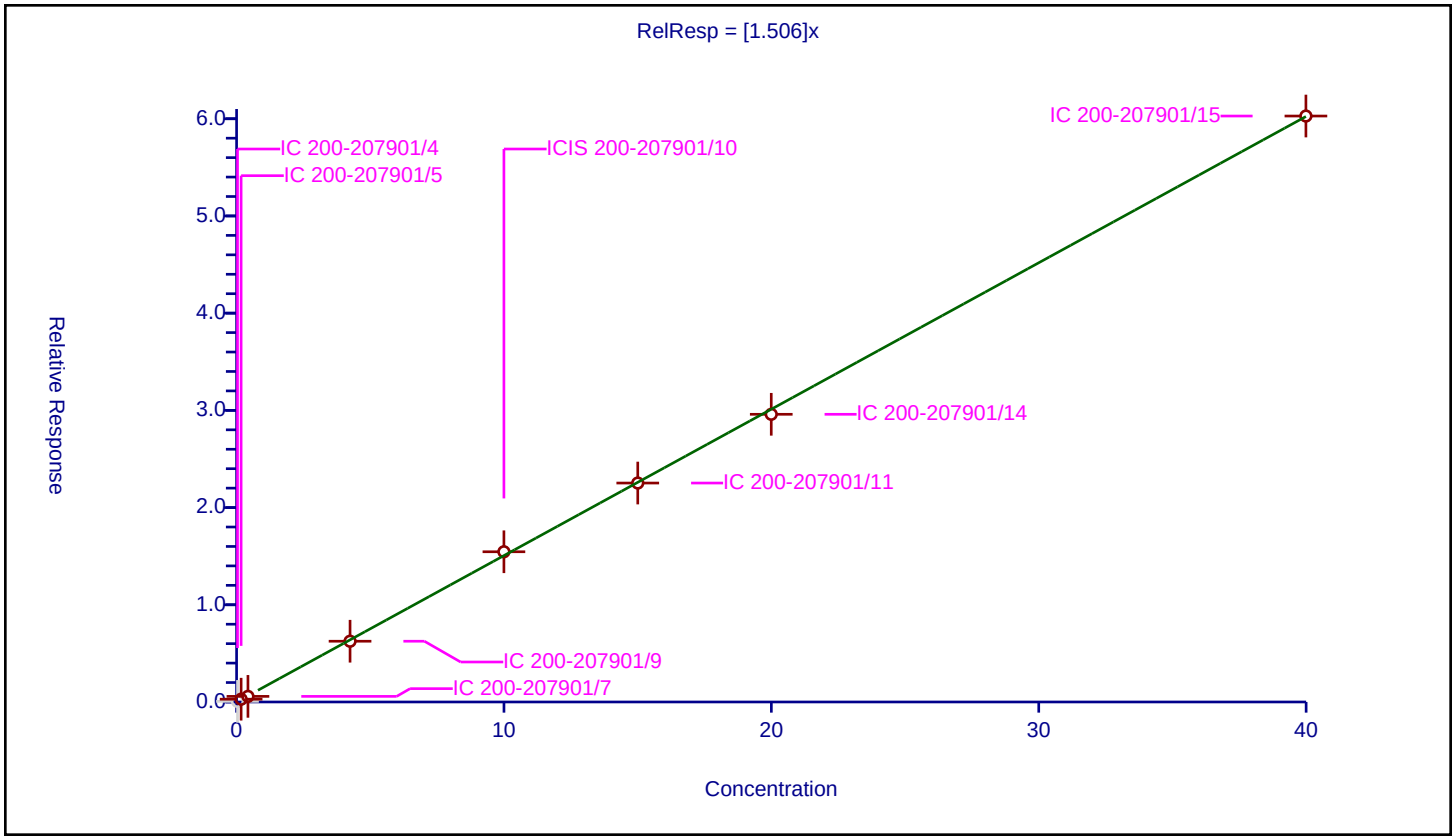
Curve Coefficients

Intercept:	0
Slope:	1.506

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.064088	10.0	792819.0	1.827063	N
2	IC 200-207901/5	0.170374	0.285451	10.0	803955.0	1.675442	Y
3	IC 200-207901/7	0.425385	0.578197	10.0	836878.0	1.359232	Y
4	IC 200-207901/9	4.243678	6.251433	10.0	833780.0	1.473117	Y
5	ICIS 200-207901/10	9.99806	15.454962	10.0	865150.0	1.545796	Y
6	IC 200-207901/11	15.003557	22.523075	10.0	889482.0	1.501182	Y
7	IC 200-207901/14	19.99612	29.596317	10.0	893672.0	1.480103	Y
8	IC 200-207901/15	39.99224	60.278694	10.0	908488.0	1.50726	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

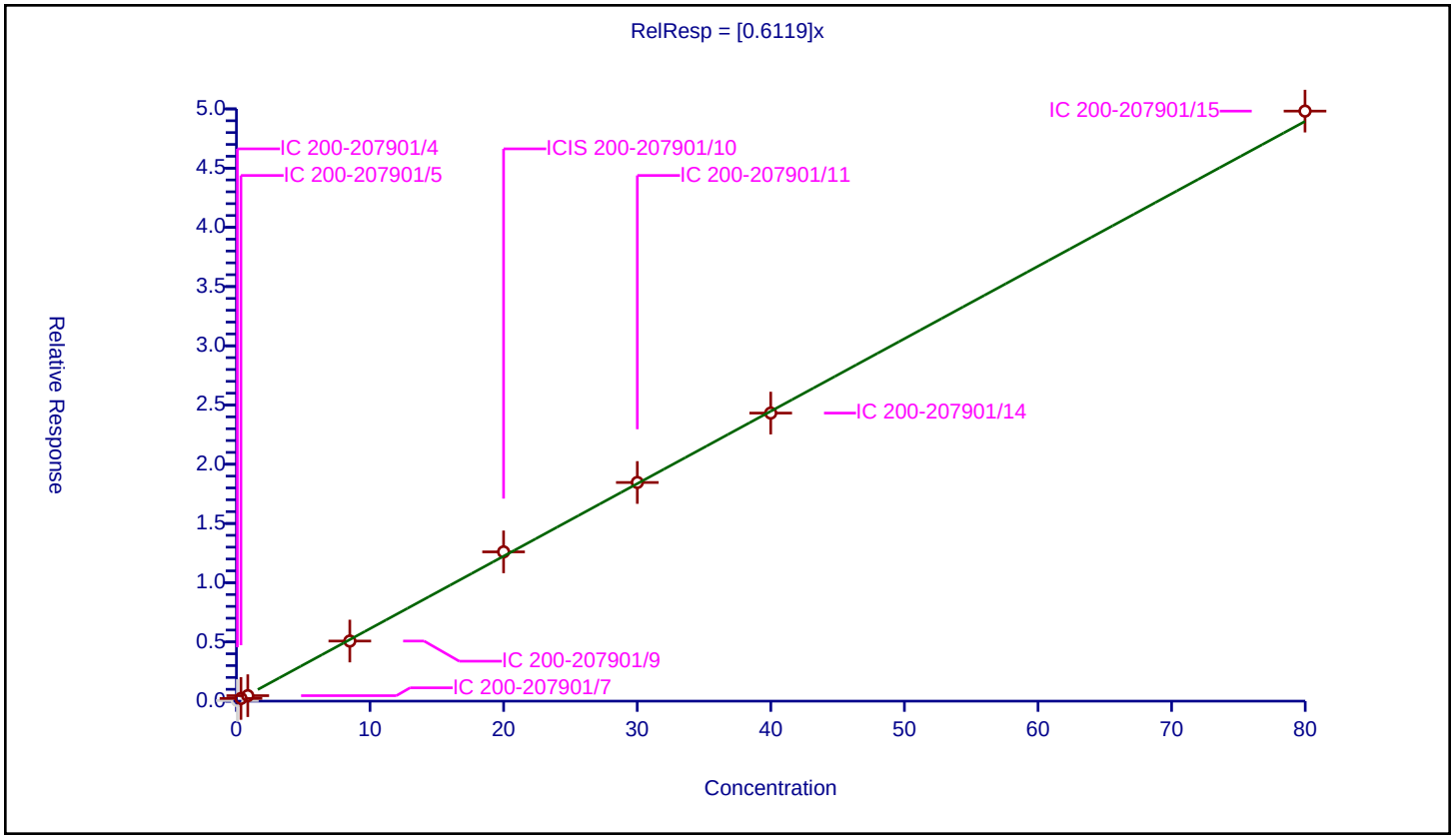
Curve Coefficients

Intercept:	0
Slope:	0.6119

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.070154	0.049608	10.0	792819.0	0.707128	N
2	IC 200-207901/5	0.340747	0.227077	10.0	803955.0	0.66641	Y
3	IC 200-207901/7	0.850769	0.462063	10.0	836878.0	0.543111	Y
4	IC 200-207901/9	8.487357	5.073113	10.0	833780.0	0.597726	Y
5	ICIS 200-207901/10	19.99612	12.602658	10.0	865150.0	0.630255	Y
6	IC 200-207901/11	30.007114	18.459665	10.0	889482.0	0.615176	Y
7	IC 200-207901/14	39.99224	24.319874	10.0	893672.0	0.608115	Y
8	IC 200-207901/15	79.984479	49.813503	10.0	908488.0	0.62279	Y



Calibration / n-Nonane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

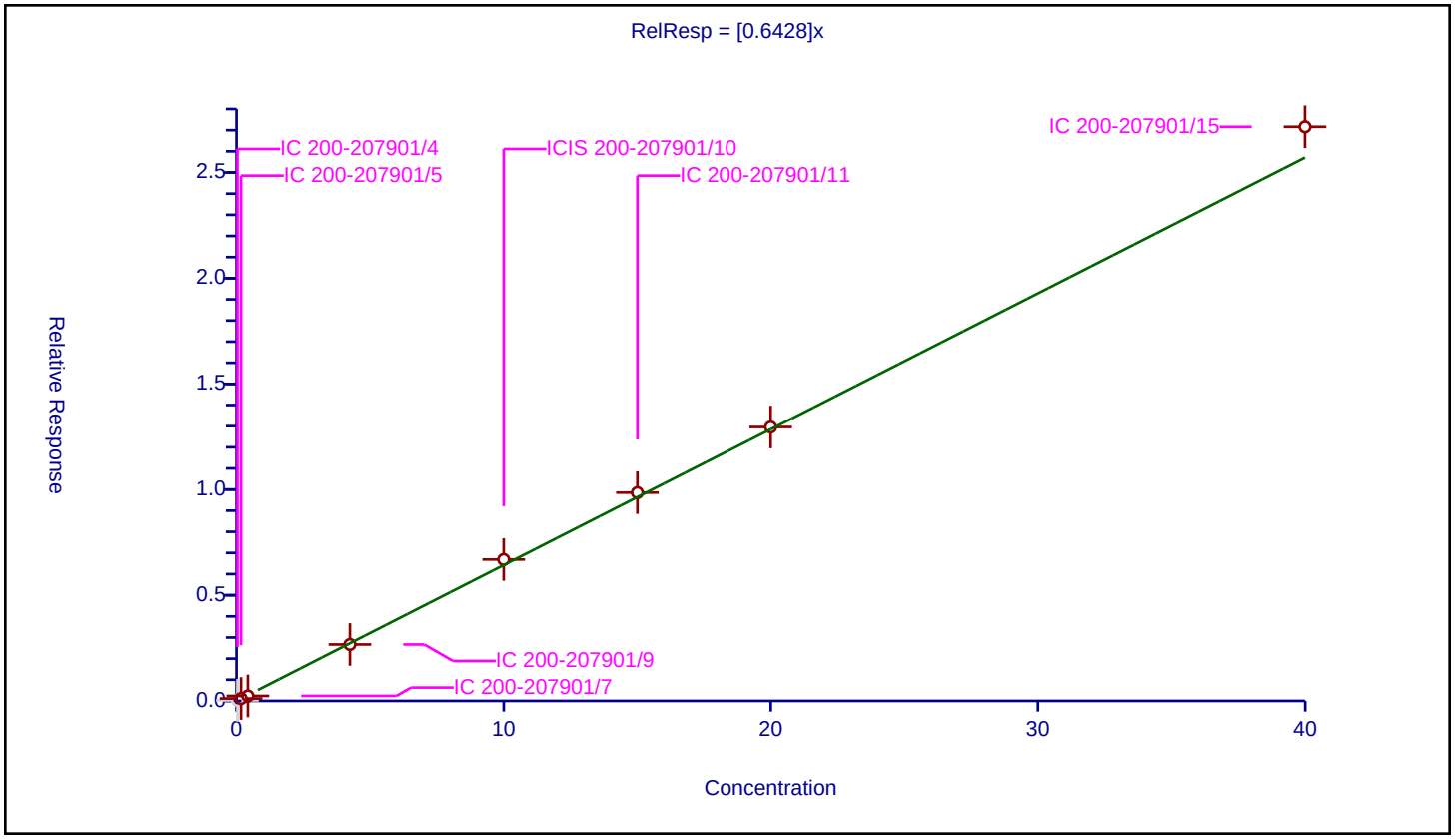
Curve Coefficients

Intercept:	0
Slope:	0.6428

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.025781	10.0	792819.0	0.734996	N
2	IC 200-207901/5	0.170374	0.113004	10.0	803955.0	0.66327	Y
3	IC 200-207901/7	0.425385	0.235458	10.0	836878.0	0.553519	Y
4	IC 200-207901/9	4.243678	2.670357	10.0	833780.0	0.629255	Y
5	ICIS 200-207901/10	9.99806	6.690713	10.0	865150.0	0.669201	Y
6	IC 200-207901/11	15.003557	9.854994	10.0	889482.0	0.656844	Y
7	IC 200-207901/14	19.99612	12.959576	10.0	893672.0	0.648105	Y
8	IC 200-207901/15	39.99224	27.159786	10.0	908488.0	0.679126	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

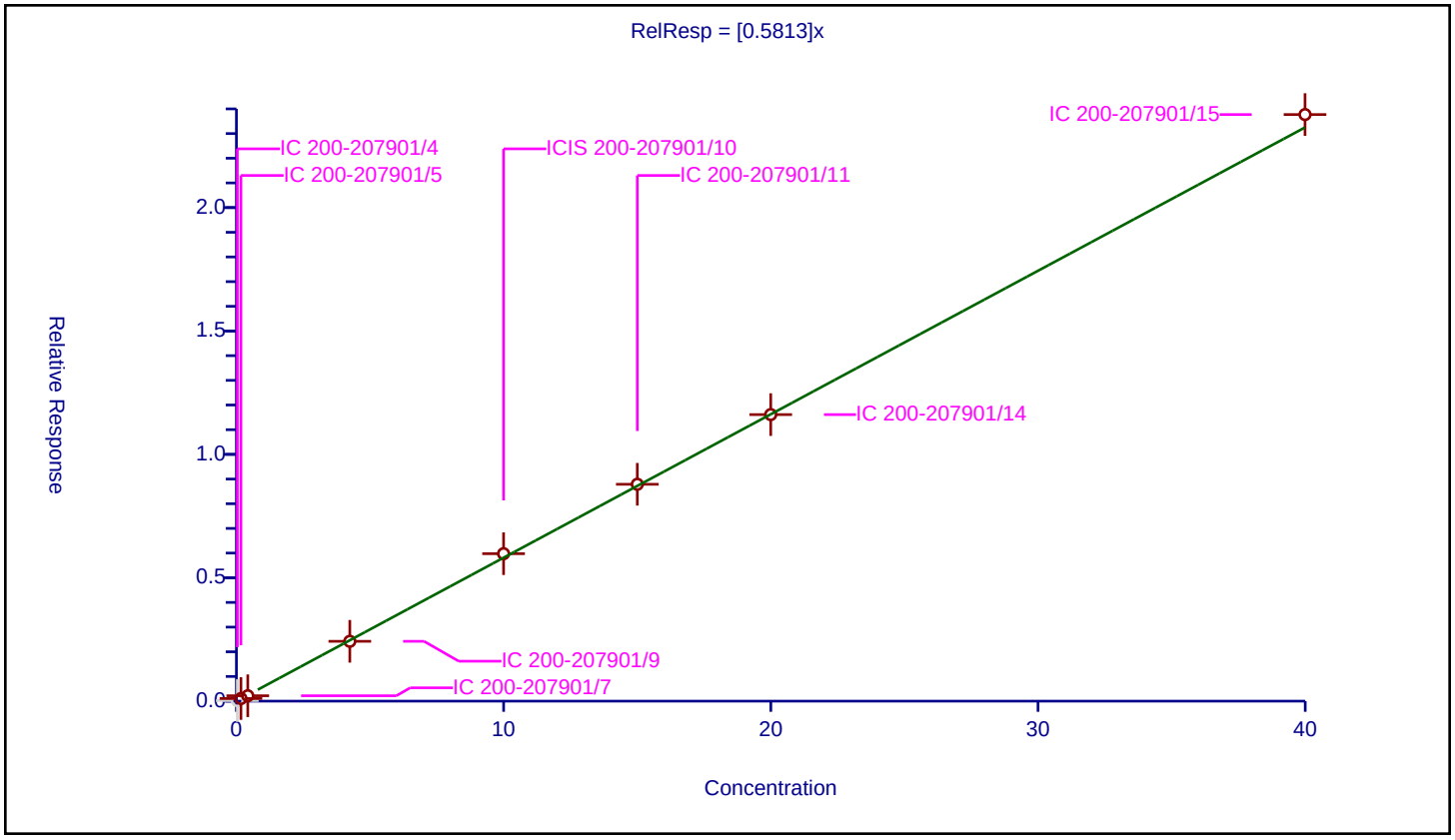
Curve Coefficients

Intercept:	0
Slope:	0.5813

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.022098	10.0	792819.0	0.629997	N
2	IC 200-207901/5	0.170374	0.106772	10.0	803955.0	0.626694	Y
3	IC 200-207901/7	0.425385	0.218072	10.0	836878.0	0.512648	Y
4	IC 200-207901/9	4.243678	2.424261	10.0	833780.0	0.571264	Y
5	ICIS 200-207901/10	9.99806	5.975865	10.0	865150.0	0.597703	Y
6	IC 200-207901/11	15.003557	8.788722	10.0	889482.0	0.585776	Y
7	IC 200-207901/14	19.99612	11.612046	10.0	893672.0	0.580715	Y
8	IC 200-207901/15	39.99224	23.770044	10.0	908488.0	0.594366	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

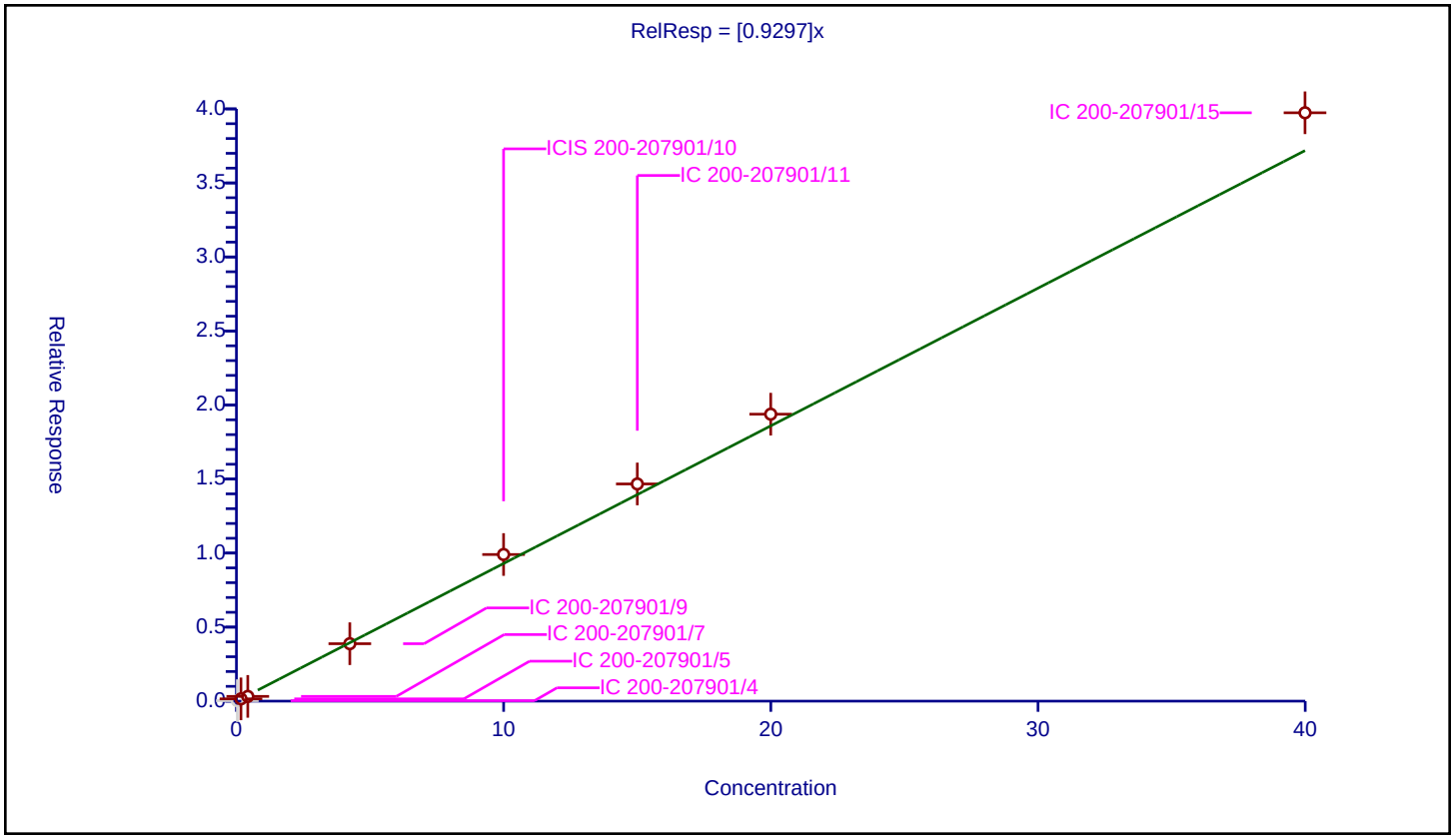
Curve Coefficients

Intercept:	0
Slope:	0.9297

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.031823	10.0	792819.0	0.907239	N
2	IC 200-207901/5	0.170374	0.154611	10.0	803955.0	0.907479	Y
3	IC 200-207901/7	0.425385	0.321289	10.0	836878.0	0.755291	Y
4	IC 200-207901/9	4.243678	3.879525	10.0	833780.0	0.914189	Y
5	ICIS 200-207901/10	9.99806	9.903728	10.0	865150.0	0.990565	Y
6	IC 200-207901/11	15.003557	14.668807	10.0	889482.0	0.977689	Y
7	IC 200-207901/14	19.99612	19.382178	10.0	893672.0	0.969297	Y
8	IC 200-207901/15	39.99224	39.737234	10.0	908488.0	0.993624	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

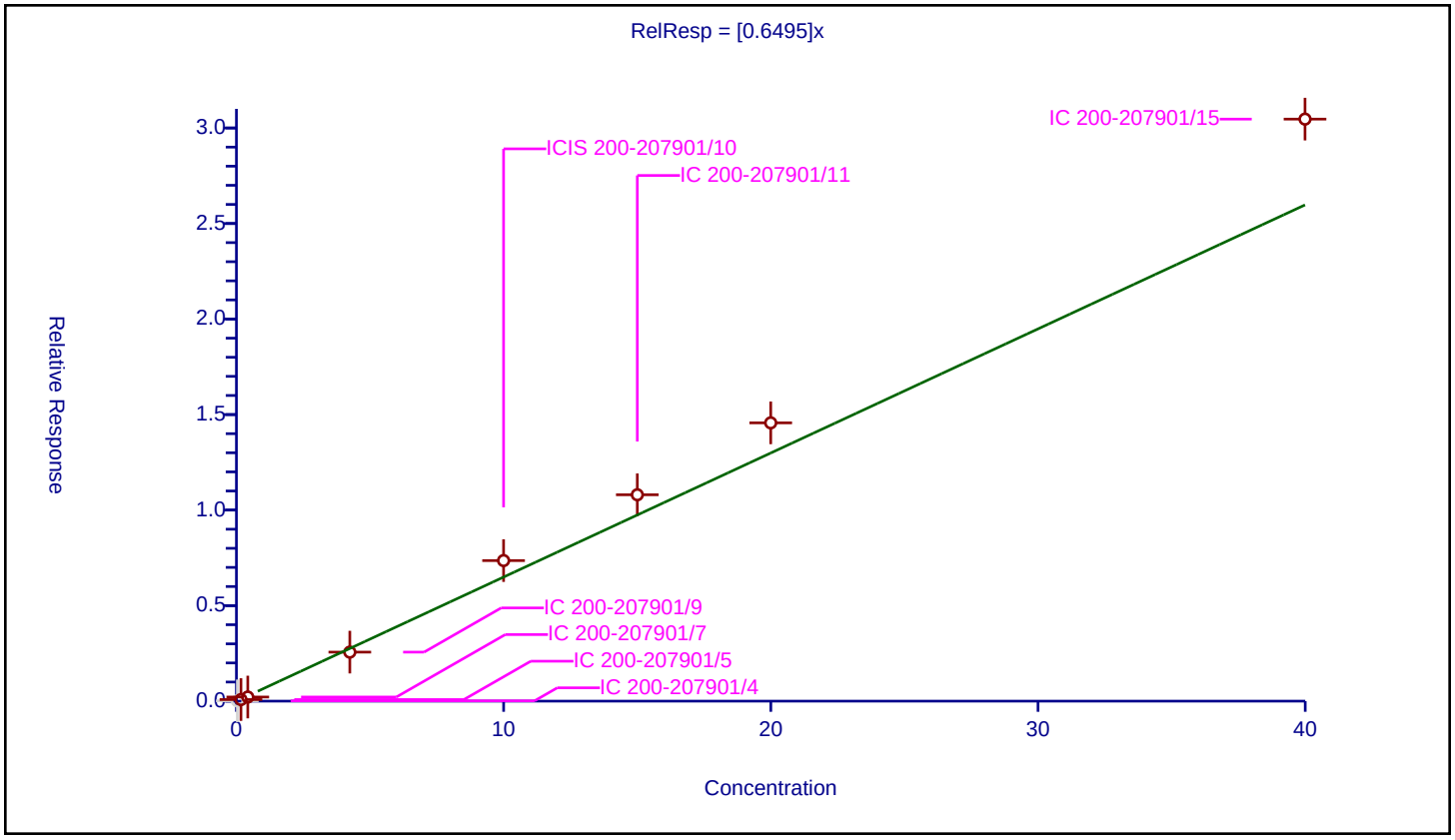
Curve Coefficients

Intercept:	0
Slope:	0.6495

Error Coefficients

Relative Standard Deviation:	17.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.01564	10.0	792819.0	0.445888	N
2	IC 200-207901/5	0.170374	0.083139	10.0	803955.0	0.48798	Y
3	IC 200-207901/7	0.425385	0.216005	10.0	836878.0	0.507788	Y
4	IC 200-207901/9	4.243678	2.565785	10.0	833780.0	0.604613	Y
5	ICIS 200-207901/10	9.99806	7.356875	10.0	865150.0	0.73583	Y
6	IC 200-207901/11	15.003557	10.801691	10.0	889482.0	0.719942	Y
7	IC 200-207901/14	19.99612	14.566933	10.0	893672.0	0.728488	Y
8	IC 200-207901/15	39.99224	30.46398	10.0	908488.0	0.761747	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

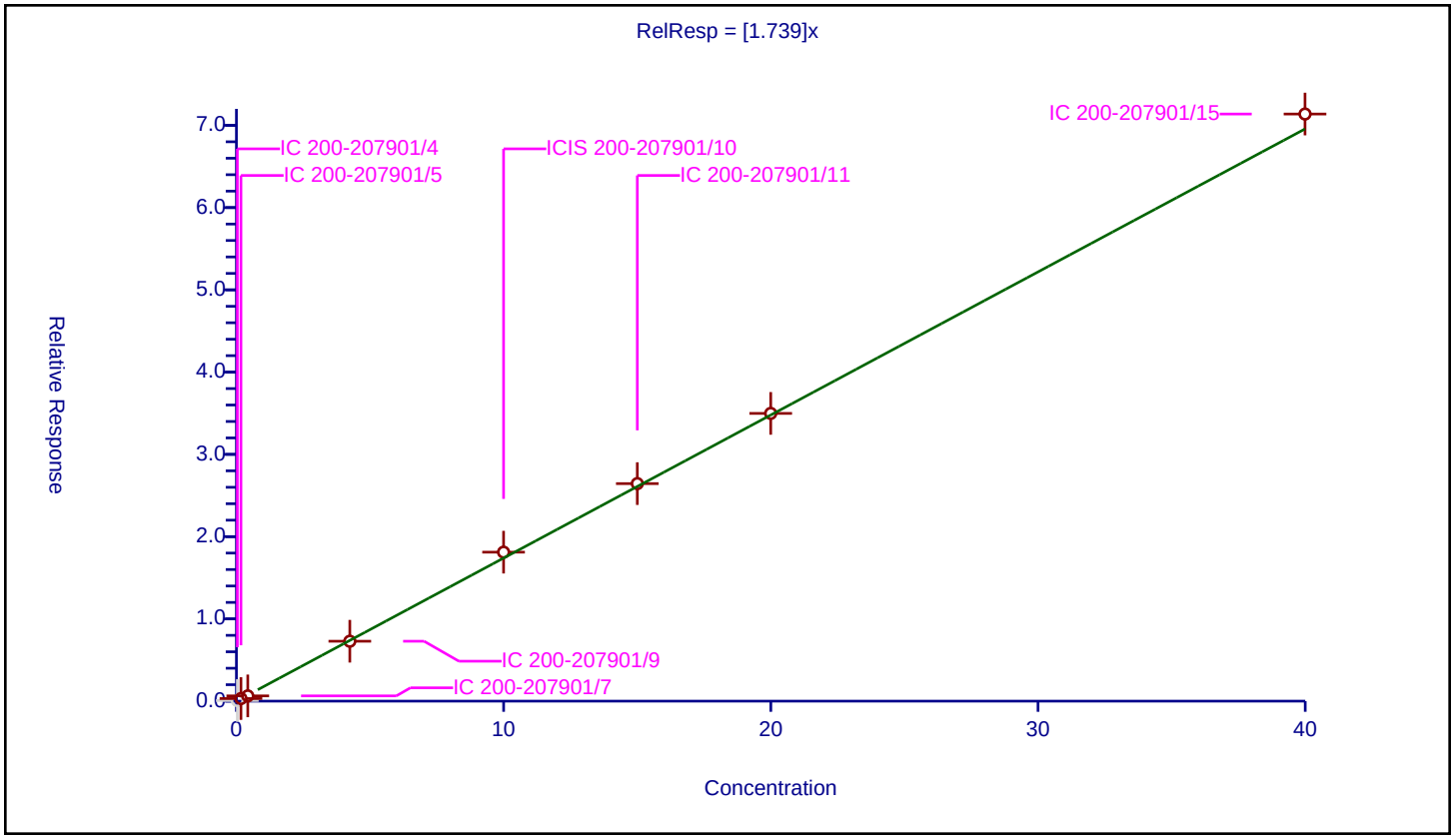
Curve Coefficients

Intercept:	0
Slope:	1.739

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.071303	10.0	792819.0	2.032746	N
2	IC 200-207901/5	0.170374	0.31447	10.0	803955.0	1.845768	Y
3	IC 200-207901/7	0.425385	0.640476	10.0	836878.0	1.505639	Y
4	IC 200-207901/9	4.243678	7.282305	10.0	833780.0	1.716036	Y
5	ICIS 200-207901/10	9.99806	18.110778	10.0	865150.0	1.811429	Y
6	IC 200-207901/11	15.003557	26.4461	10.0	889482.0	1.762655	Y
7	IC 200-207901/14	19.99612	34.97997	10.0	893672.0	1.749338	Y
8	IC 200-207901/15	39.99224	71.375813	10.0	908488.0	1.784742	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

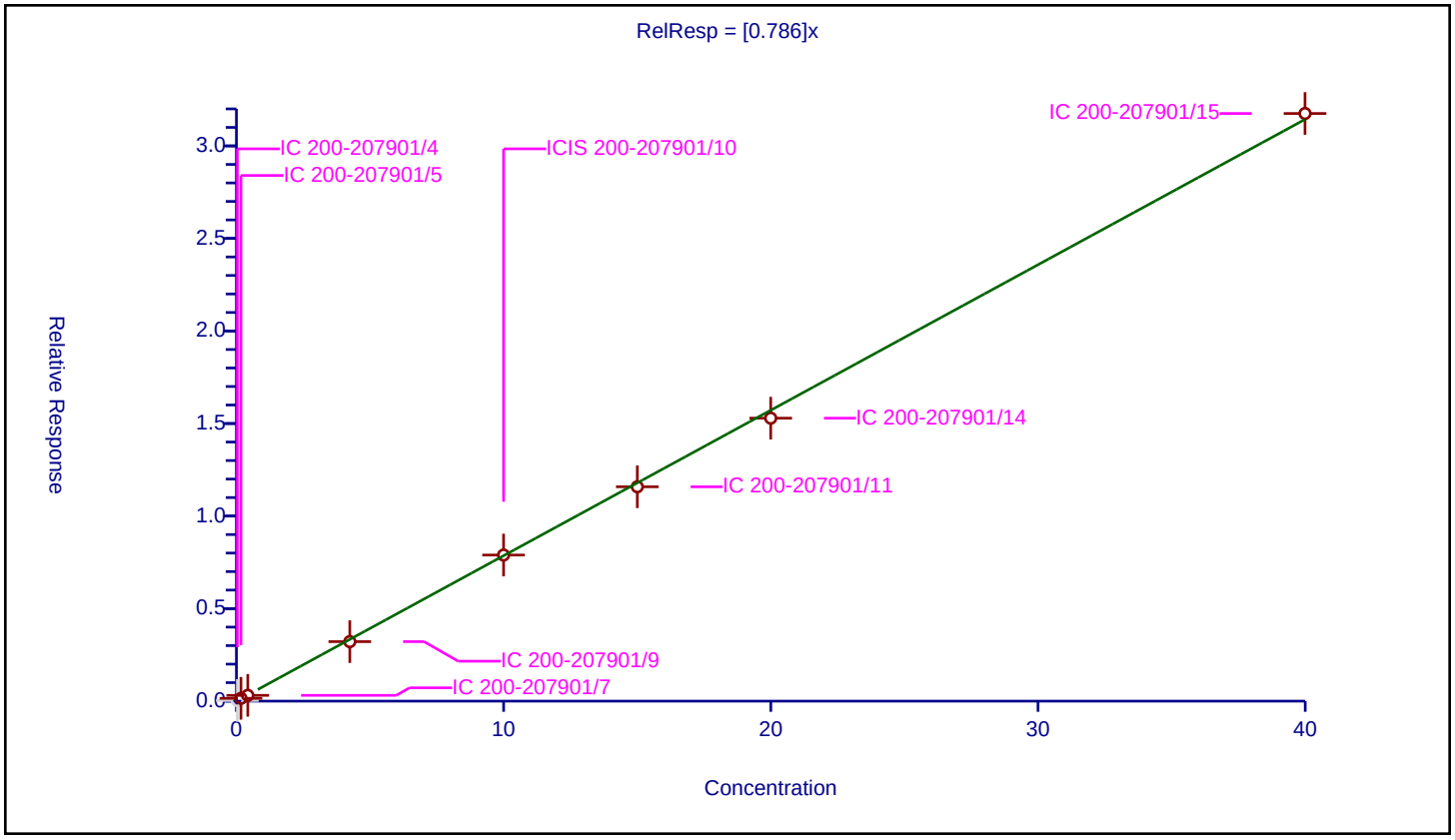
Curve Coefficients

Intercept:	0
Slope:	0.786

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.034333	10.0	792819.0	0.978796	N
2	IC 200-207901/5	0.170374	0.151414	10.0	803955.0	0.888717	Y
3	IC 200-207901/7	0.425385	0.31277	10.0	836878.0	0.735263	Y
4	IC 200-207901/9	4.243678	3.215536	10.0	833780.0	0.757724	Y
5	ICIS 200-207901/10	9.99806	7.894643	10.0	865150.0	0.789617	Y
6	IC 200-207901/11	15.003557	11.582303	10.0	889482.0	0.77197	Y
7	IC 200-207901/14	19.99612	15.290039	10.0	893672.0	0.76465	Y
8	IC 200-207901/15	39.99224	31.750898	10.0	908488.0	0.793926	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

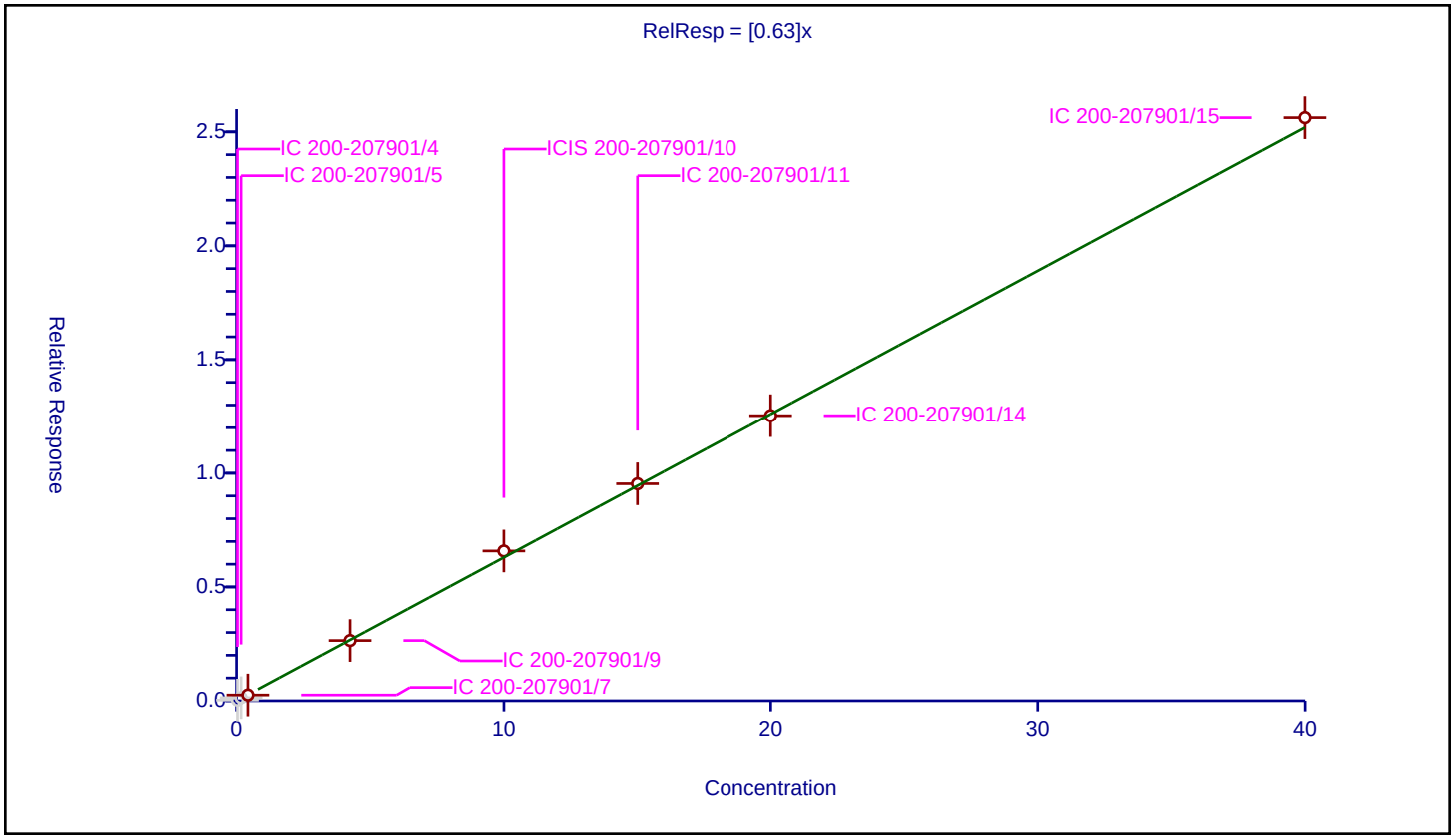
Curve Coefficients

Intercept:	0
Slope:	0.63

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.02814	10.0	792819.0	0.802239	N
2	IC 200-207901/5	0.170374	0.134622	10.0	803955.0	0.790157	N
3	IC 200-207901/7	0.425385	0.253048	10.0	836878.0	0.594868	Y
4	IC 200-207901/9	4.243678	2.646693	10.0	833780.0	0.623679	Y
5	ICIS 200-207901/10	9.99806	6.581726	10.0	865150.0	0.6583	Y
6	IC 200-207901/11	15.003557	9.538079	10.0	889482.0	0.635721	Y
7	IC 200-207901/14	19.99612	12.533346	10.0	893672.0	0.626789	Y
8	IC 200-207901/15	39.99224	25.623509	10.0	908488.0	0.640712	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

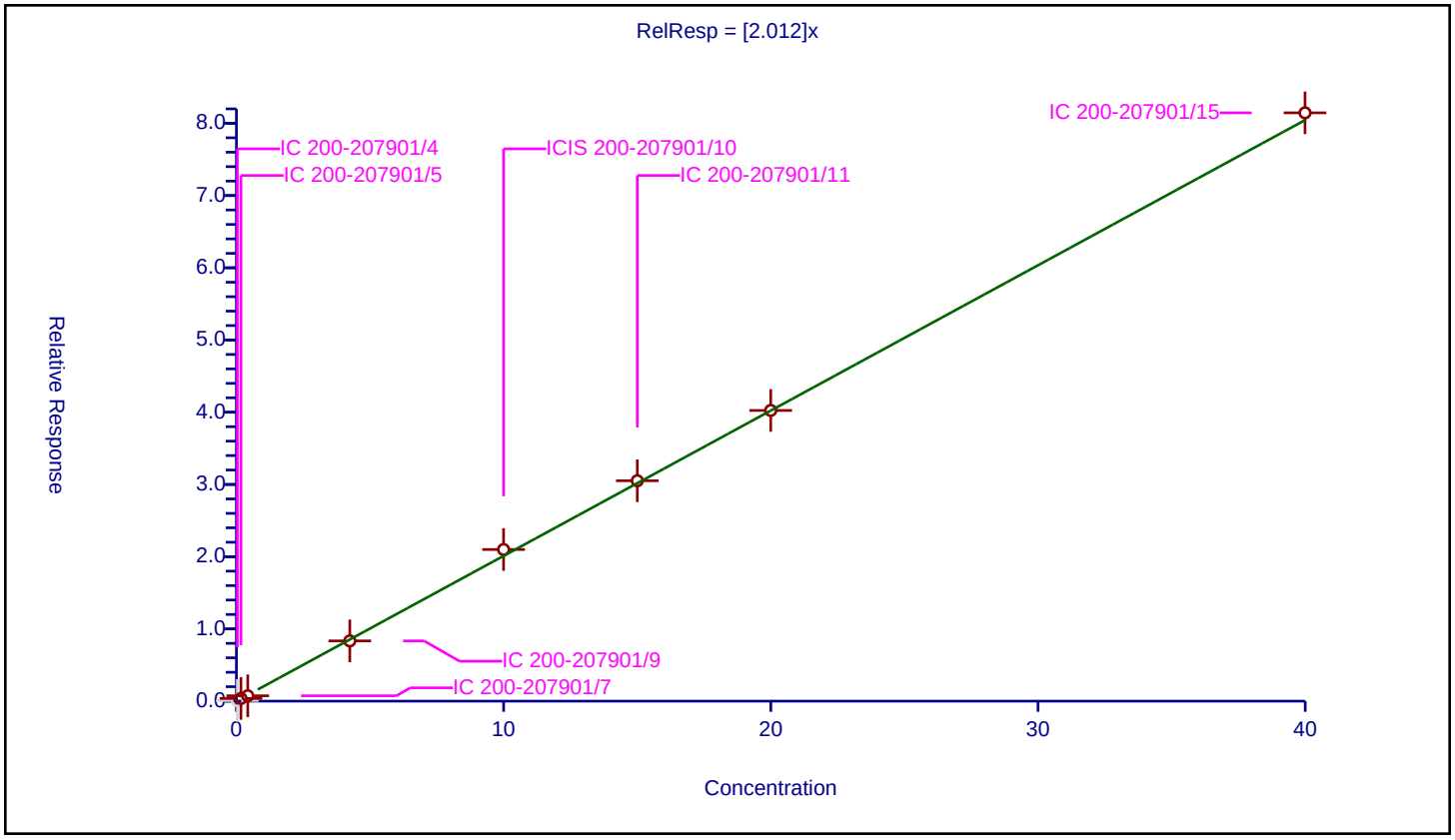
Curve Coefficients

Intercept:	0
Slope:	2.012

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.083373	10.0	792819.0	2.376871	N
2	IC 200-207901/5	0.170374	0.372732	10.0	803955.0	2.187734	Y
3	IC 200-207901/7	0.425385	0.741745	10.0	836878.0	1.743704	Y
4	IC 200-207901/9	4.243678	8.342129	10.0	833780.0	1.965778	Y
5	ICIS 200-207901/10	9.99806	20.994094	10.0	865150.0	2.099817	Y
6	IC 200-207901/11	15.003557	30.517874	10.0	889482.0	2.034043	Y
7	IC 200-207901/14	19.99612	40.249991	10.0	893672.0	2.01289	Y
8	IC 200-207901/15	39.99224	81.453063	10.0	908488.0	2.036722	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

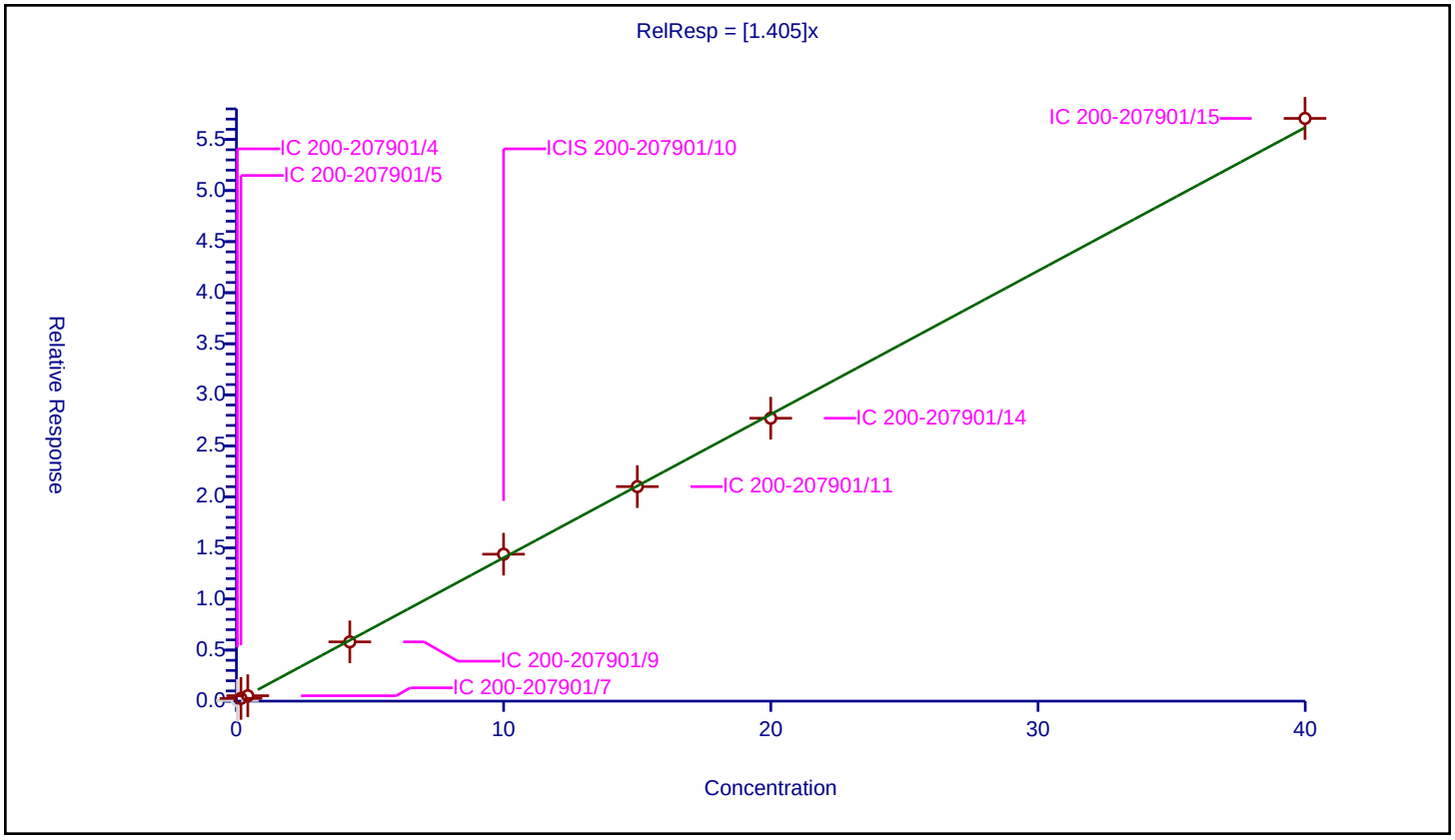
Curve Coefficients

Intercept:	0
Slope:	1.405

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.061477	10.0	792819.0	1.752628	N
2	IC 200-207901/5	0.170374	0.266818	10.0	803955.0	1.566077	Y
3	IC 200-207901/7	0.425385	0.529743	10.0	836878.0	1.245326	Y
4	IC 200-207901/9	4.243678	5.805128	10.0	833780.0	1.367947	Y
5	ICIS 200-207901/10	9.99806	14.390221	10.0	865150.0	1.439301	Y
6	IC 200-207901/11	15.003557	21.008846	10.0	889482.0	1.400258	Y
7	IC 200-207901/14	19.99612	27.707694	10.0	893672.0	1.385654	Y
8	IC 200-207901/15	39.99224	57.067985	10.0	908488.0	1.426976	Y



Calibration / 4-Ethyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

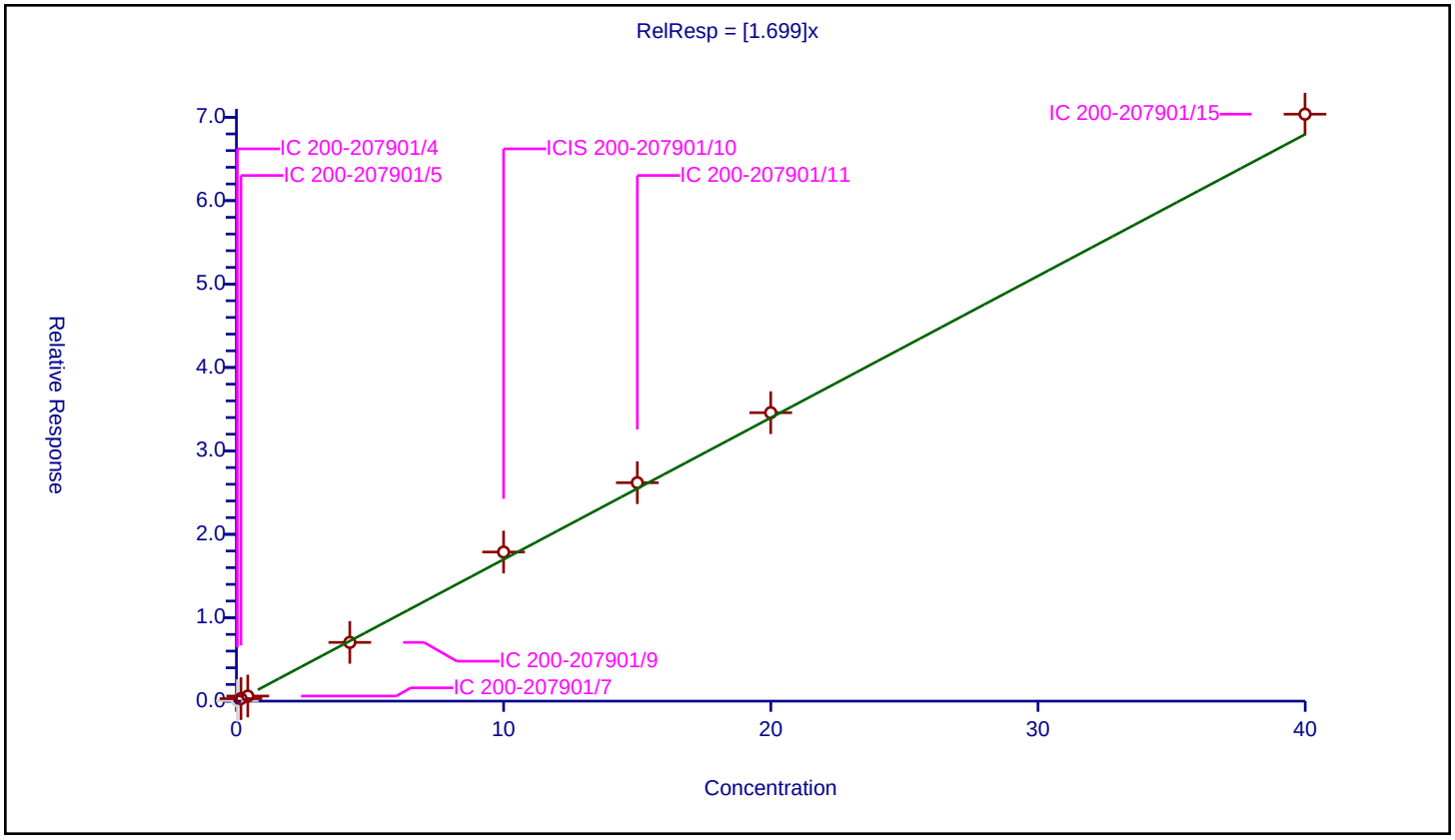
Curve Coefficients

Intercept:	0
Slope:	1.699

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.066976	10.0	792819.0	1.909408	N
2	IC 200-207901/5	0.170374	0.302915	10.0	803955.0	1.777944	Y
3	IC 200-207901/7	0.425385	0.609838	10.0	836878.0	1.433615	Y
4	IC 200-207901/9	4.243678	7.041198	10.0	833780.0	1.65922	Y
5	ICIS 200-207901/10	9.99806	17.874149	10.0	865150.0	1.787762	Y
6	IC 200-207901/11	15.003557	26.18714	10.0	889482.0	1.745395	Y
7	IC 200-207901/14	19.99612	34.581614	10.0	893672.0	1.729416	Y
8	IC 200-207901/15	39.99224	70.366829	10.0	908488.0	1.759512	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

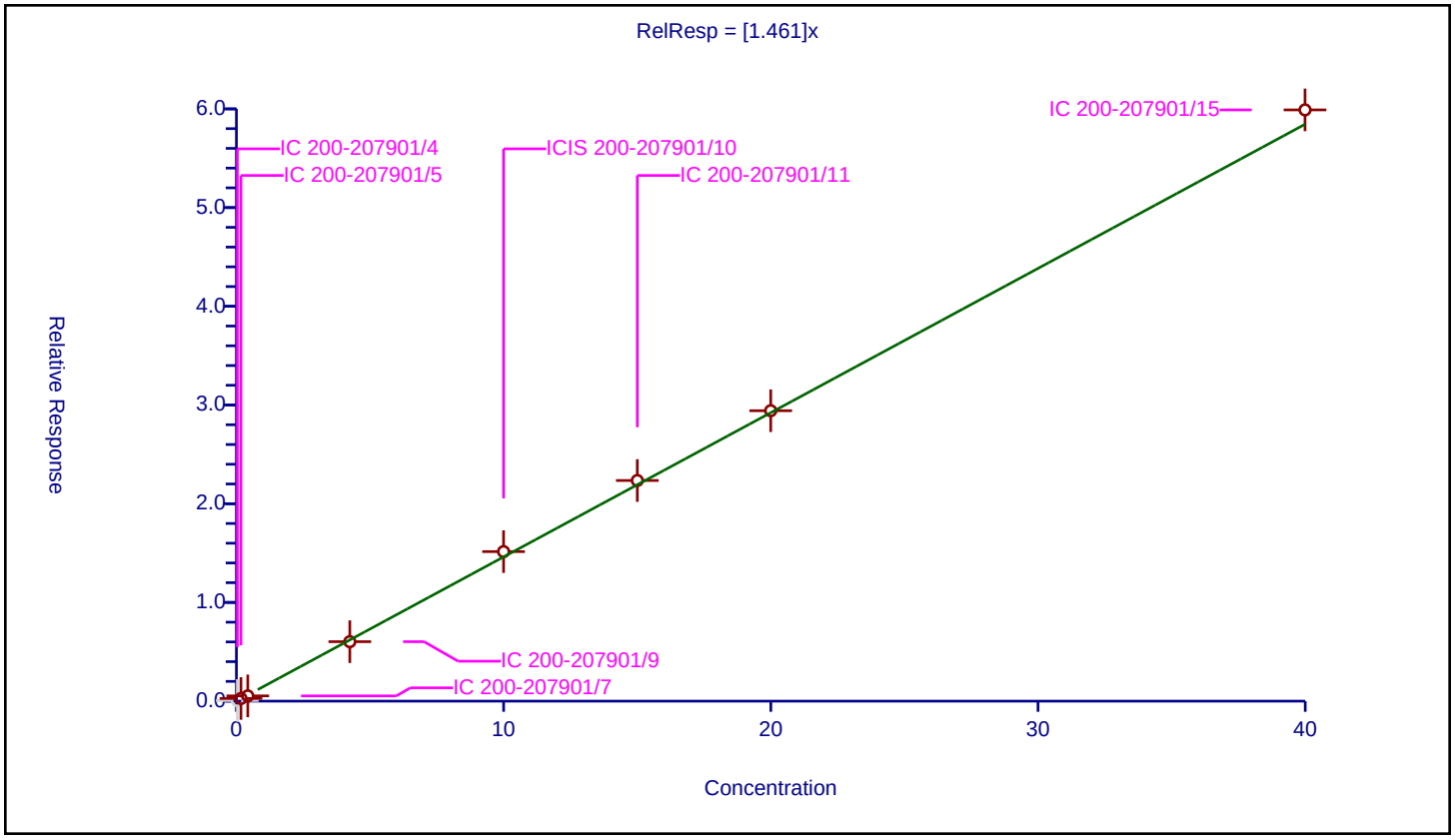
Curve Coefficients

Intercept:	0
Slope:	1.461

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.062423	10.0	792819.0	1.779597	N
2	IC 200-207901/5	0.170374	0.269804	10.0	803955.0	1.583599	Y
3	IC 200-207901/7	0.425385	0.532527	10.0	836878.0	1.251871	Y
4	IC 200-207901/9	4.243678	6.024059	10.0	833780.0	1.419537	Y
5	ICIS 200-207901/10	9.99806	15.149096	10.0	865150.0	1.515204	Y
6	IC 200-207901/11	15.003557	22.354011	10.0	889482.0	1.489914	Y
7	IC 200-207901/14	19.99612	29.423267	10.0	893672.0	1.471449	Y
8	IC 200-207901/15	39.99224	59.898006	10.0	908488.0	1.497741	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

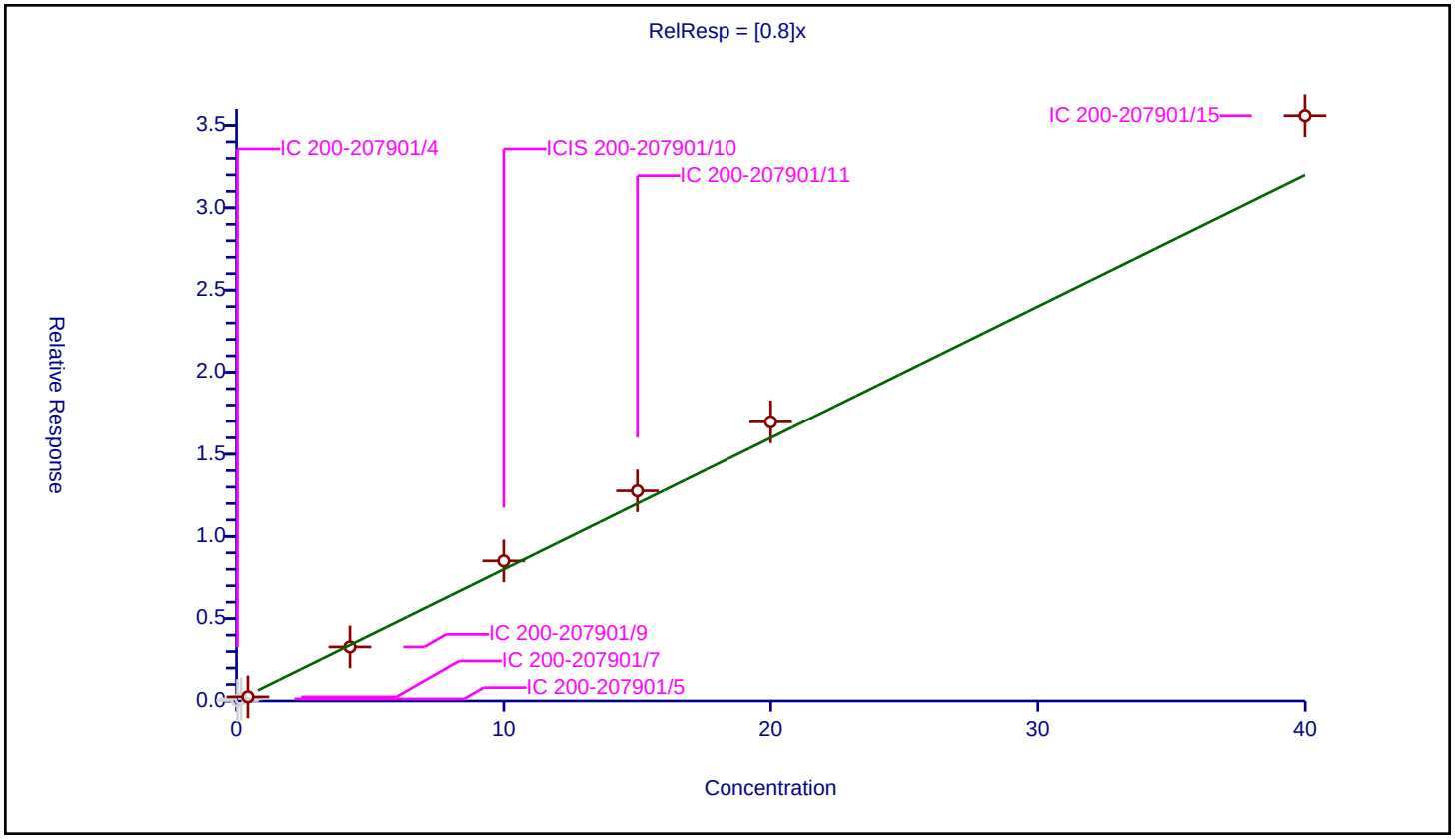
Curve Coefficients

Intercept:	0
Slope:	0.8

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.02983	10.0	792819.0	0.850424	N
2	IC 200-207901/5	0.170374	0.1239	10.0	803955.0	0.727225	N
3	IC 200-207901/7	0.425385	0.248746	10.0	836878.0	0.584755	Y
4	IC 200-207901/9	4.243678	3.282784	10.0	833780.0	0.77357	Y
5	ICIS 200-207901/10	9.99806	8.510929	10.0	865150.0	0.851258	Y
6	IC 200-207901/11	15.003557	12.774963	10.0	889482.0	0.851462	Y
7	IC 200-207901/14	19.99612	16.975165	10.0	893672.0	0.848923	Y
8	IC 200-207901/15	39.99224	35.59052	10.0	908488.0	0.889936	Y



Calibration / Alpha Methyl Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

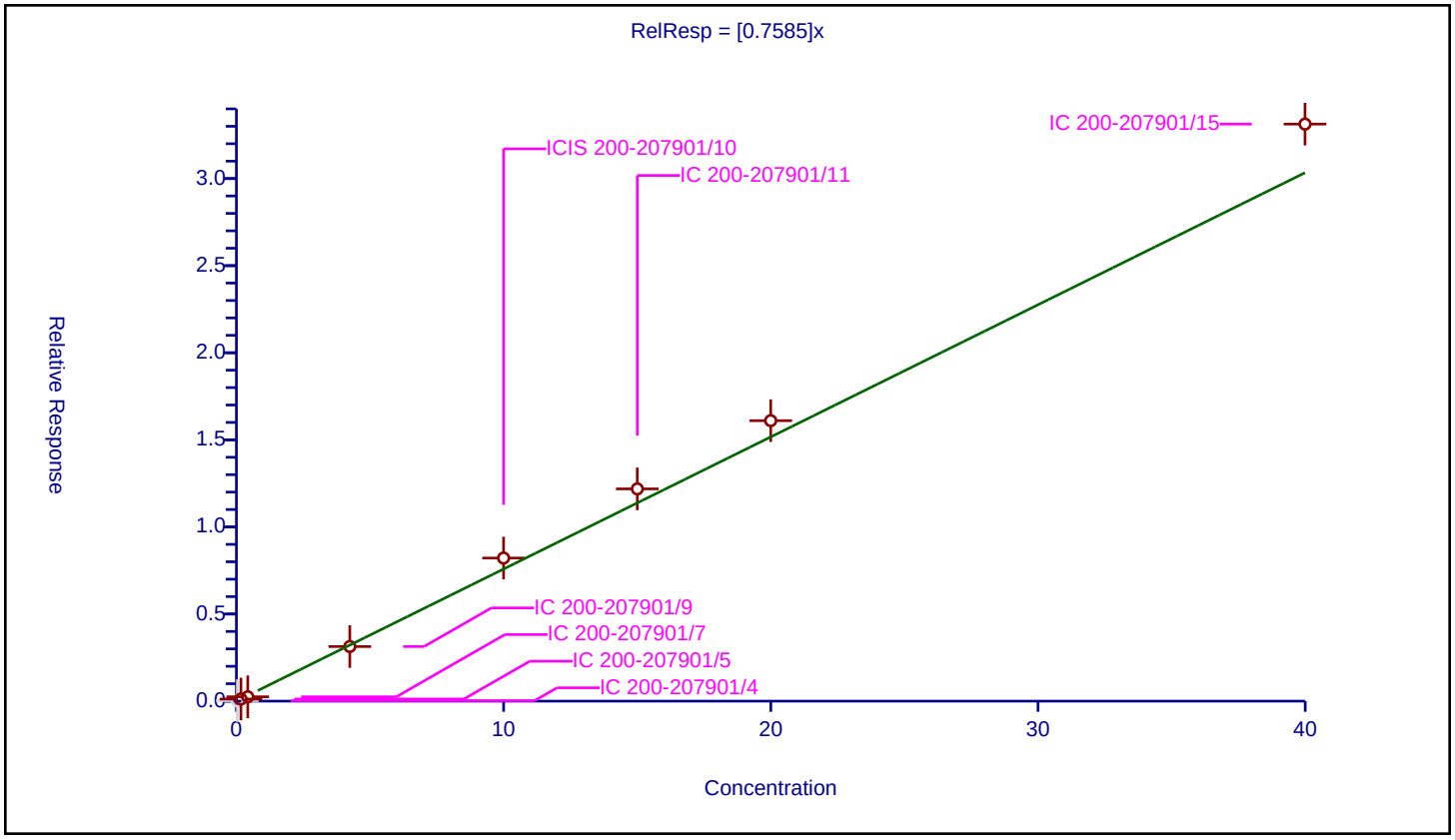
Curve Coefficients

Intercept:	0
Slope:	0.7585

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.025756	10.0	792819.0	0.734277	N
2	IC 200-207901/5	0.170374	0.121773	10.0	803955.0	0.71474	Y
3	IC 200-207901/7	0.425385	0.250526	10.0	836878.0	0.588941	Y
4	IC 200-207901/9	4.243678	3.135156	10.0	833780.0	0.738783	Y
5	ICIS 200-207901/10	9.99806	8.21409	10.0	865150.0	0.821568	Y
6	IC 200-207901/11	15.003557	12.184845	10.0	889482.0	0.81213	Y
7	IC 200-207901/14	19.99612	16.100851	10.0	893672.0	0.805199	Y
8	IC 200-207901/15	39.99224	33.127097	10.0	908488.0	0.828338	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

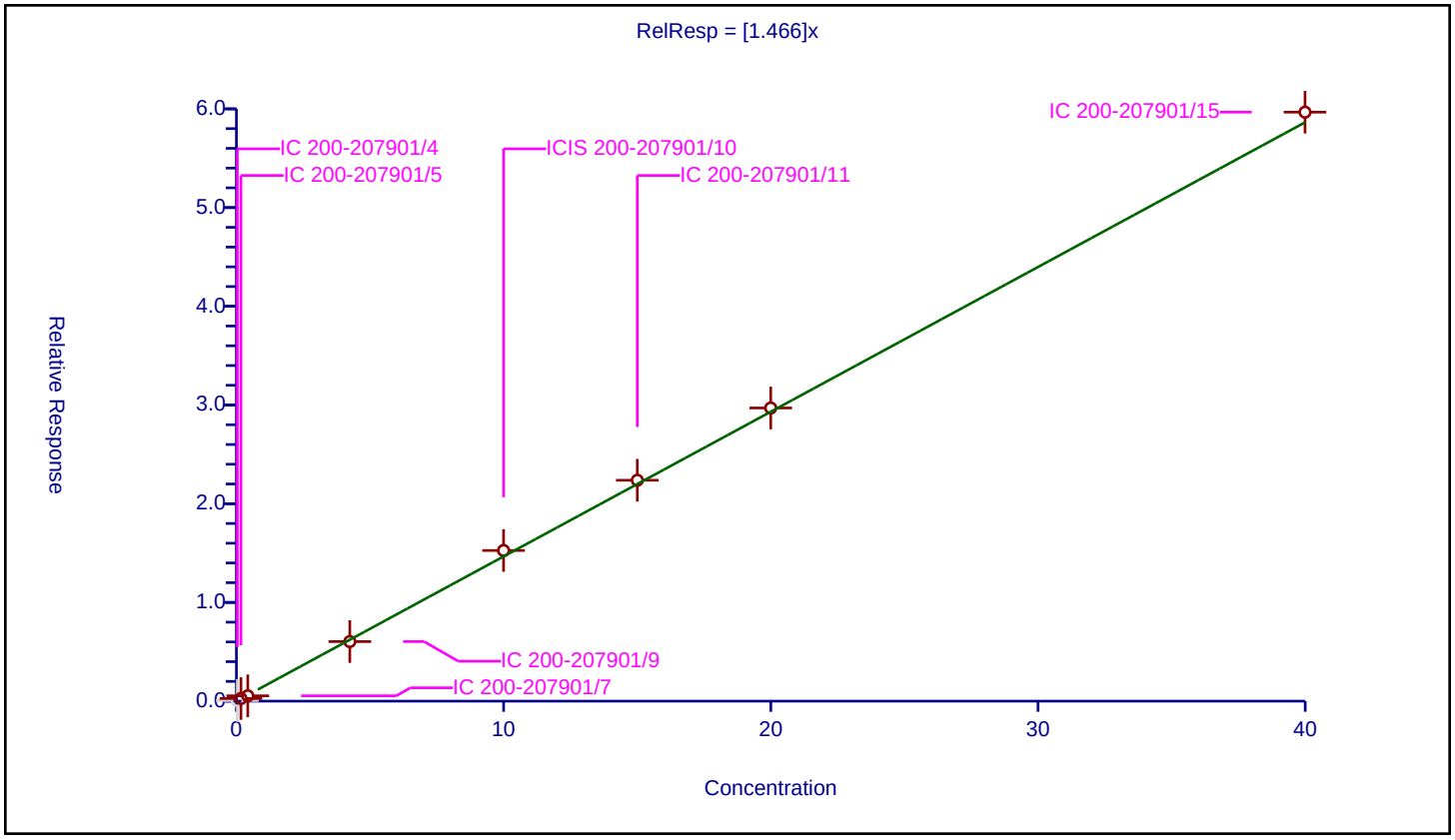
Curve Coefficients

Intercept:	0
Slope:	1.466

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.06014	10.0	792819.0	1.714512	N
2	IC 200-207901/5	0.170374	0.267863	10.0	803955.0	1.57221	Y
3	IC 200-207901/7	0.425385	0.541298	10.0	836878.0	1.272489	Y
4	IC 200-207901/9	4.243678	6.035657	10.0	833780.0	1.42227	Y
5	ICIS 200-207901/10	9.99806	15.263873	10.0	865150.0	1.526684	Y
6	IC 200-207901/11	15.003557	22.378317	10.0	889482.0	1.491534	Y
7	IC 200-207901/14	19.99612	29.697473	10.0	893672.0	1.485162	Y
8	IC 200-207901/15	39.99224	59.667084	10.0	908488.0	1.491967	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

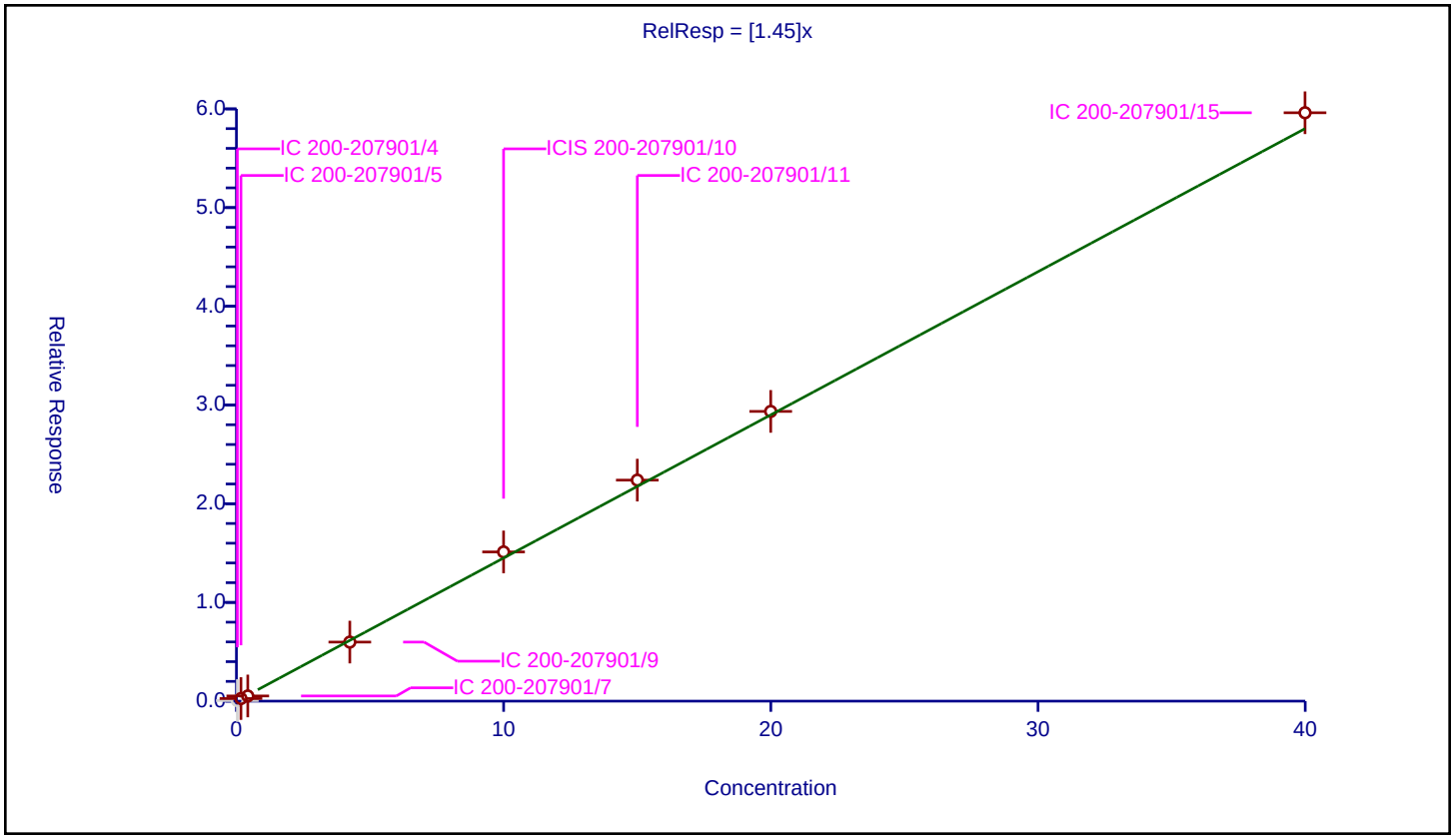
Curve Coefficients

Intercept:	0
Slope:	1.45

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.05821	10.0	792819.0	1.659495	N
2	IC 200-207901/5	0.170374	0.263696	10.0	803955.0	1.547753	Y
3	IC 200-207901/7	0.425385	0.52378	10.0	836878.0	1.231309	Y
4	IC 200-207901/9	4.243678	5.982465	10.0	833780.0	1.409736	Y
5	ICIS 200-207901/10	9.99806	15.116697	10.0	865150.0	1.511963	Y
6	IC 200-207901/11	15.003557	22.391999	10.0	889482.0	1.492446	Y
7	IC 200-207901/14	19.99612	29.352346	10.0	893672.0	1.467902	Y
8	IC 200-207901/15	39.99224	59.608019	10.0	908488.0	1.49049	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

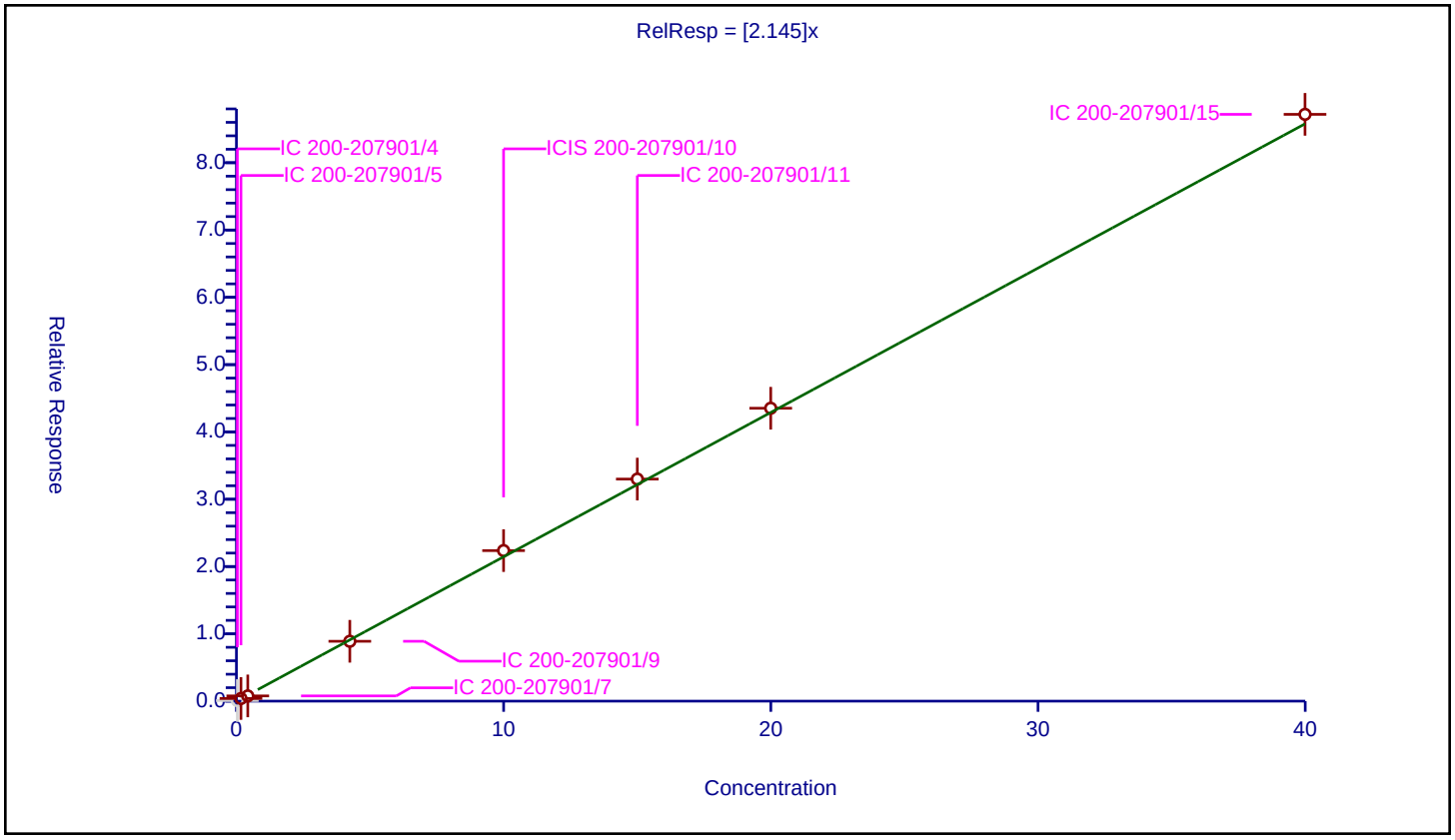
Curve Coefficients

Intercept:	0
Slope:	2.145

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.08524	10.0	792819.0	2.43009	N
2	IC 200-207901/5	0.170374	0.391937	10.0	803955.0	2.300457	Y
3	IC 200-207901/7	0.425385	0.776123	10.0	836878.0	1.82452	Y
4	IC 200-207901/9	4.243678	8.893821	10.0	833780.0	2.095781	Y
5	ICIS 200-207901/10	9.99806	22.368618	10.0	865150.0	2.237296	Y
6	IC 200-207901/11	15.003557	32.997115	10.0	889482.0	2.199286	Y
7	IC 200-207901/14	19.99612	43.52287	10.0	893672.0	2.176566	Y
8	IC 200-207901/15	39.99224	87.189484	10.0	908488.0	2.18016	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

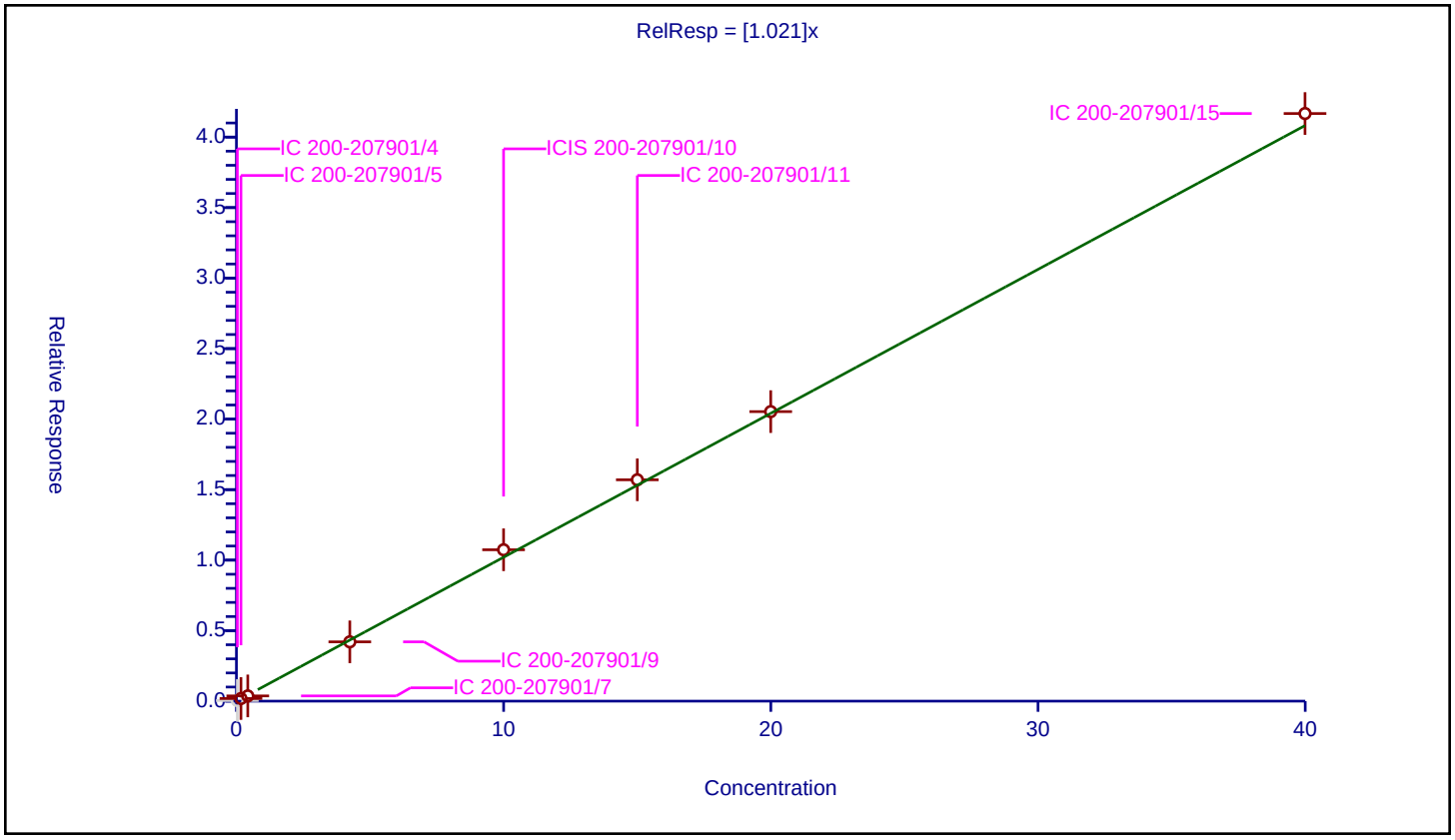
Curve Coefficients

Intercept:	0
Slope:	1.021

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.042885	10.0	792819.0	1.222596	N
2	IC 200-207901/5	0.170374	0.186093	10.0	803955.0	1.092261	Y
3	IC 200-207901/7	0.425385	0.371273	10.0	836878.0	0.872793	Y
4	IC 200-207901/9	4.243678	4.204814	10.0	833780.0	0.990842	Y
5	ICIS 200-207901/10	9.99806	10.734092	10.0	865150.0	1.073618	Y
6	IC 200-207901/11	15.003557	15.696079	10.0	889482.0	1.046157	Y
7	IC 200-207901/14	19.99612	20.53203	10.0	893672.0	1.026801	Y
8	IC 200-207901/15	39.99224	41.671425	10.0	908488.0	1.041988	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

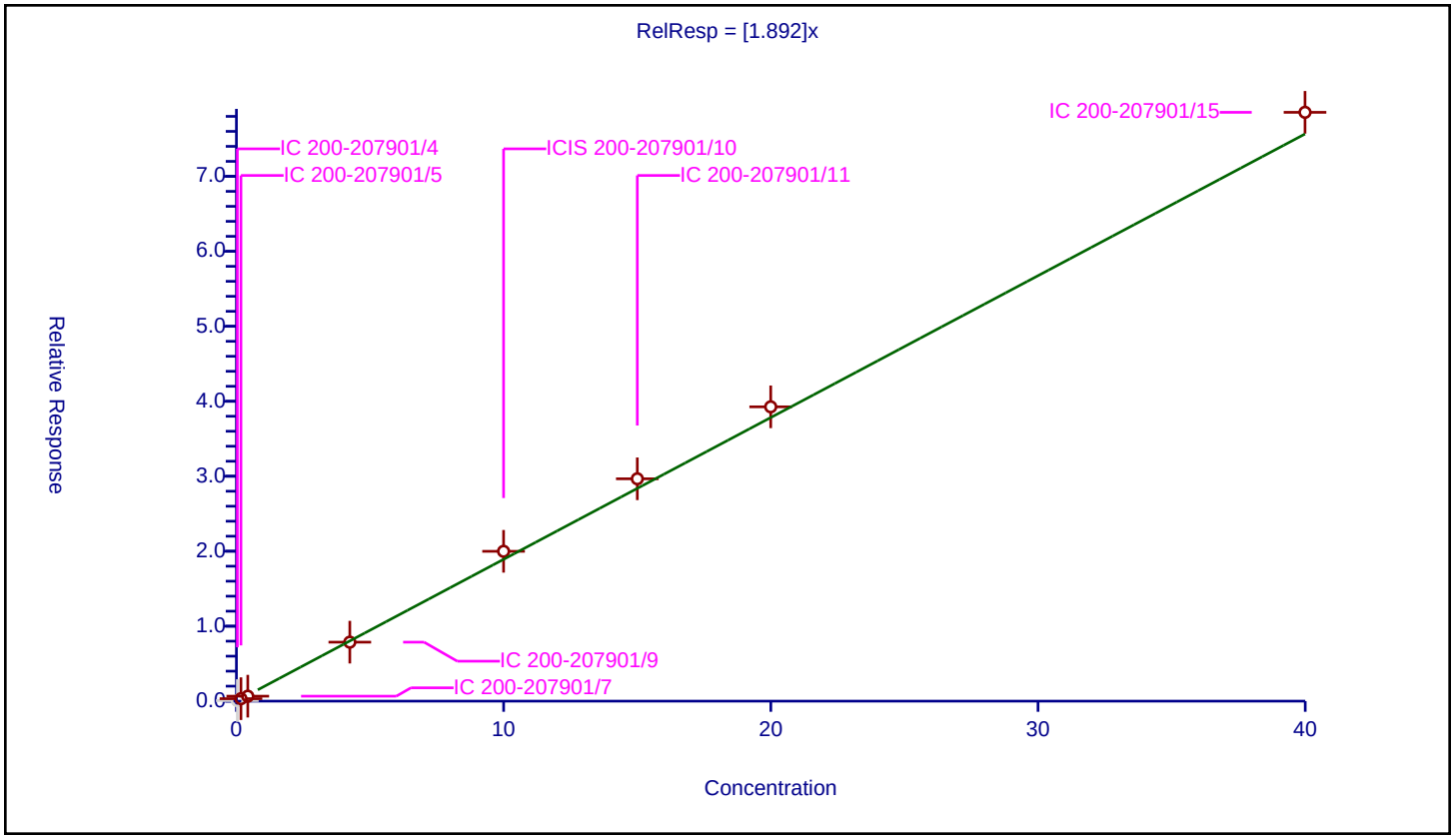
Curve Coefficients

Intercept:	0
Slope:	1.892

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.071858	10.0	792819.0	2.048568	N
2	IC 200-207901/5	0.170374	0.328464	10.0	803955.0	1.927901	Y
3	IC 200-207901/7	0.425385	0.662283	10.0	836878.0	1.556903	Y
4	IC 200-207901/9	4.243678	7.867759	10.0	833780.0	1.853995	Y
5	ICIS 200-207901/10	9.99806	19.984766	10.0	865150.0	1.998864	Y
6	IC 200-207901/11	15.003557	29.658183	10.0	889482.0	1.976743	Y
7	IC 200-207901/14	19.99612	39.258061	10.0	893672.0	1.963284	Y
8	IC 200-207901/15	39.99224	78.542755	10.0	908488.0	1.96395	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

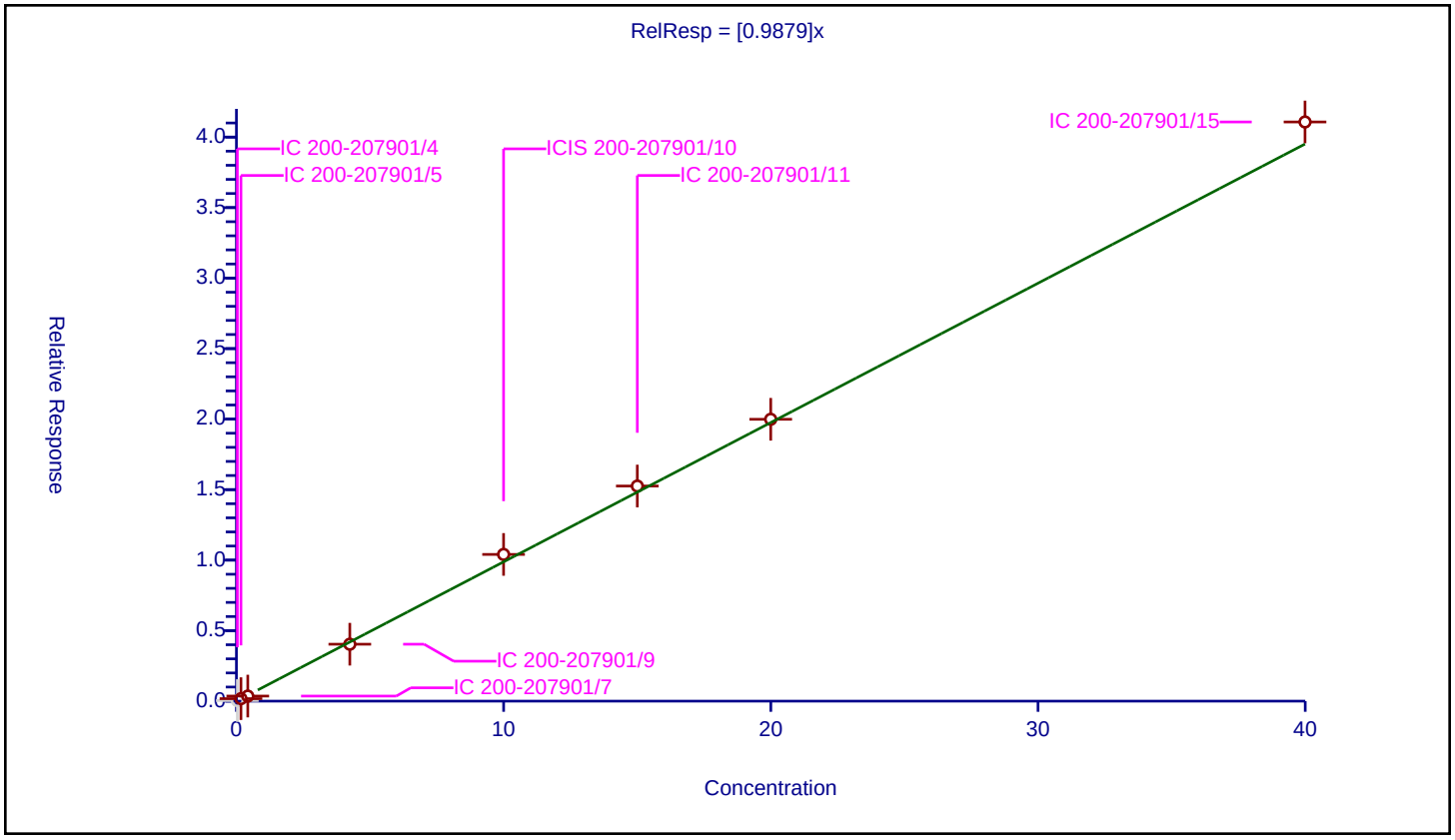
Curve Coefficients

Intercept:	0
Slope:	0.9879

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.040779	10.0	792819.0	1.162545	N
2	IC 200-207901/5	0.170374	0.17654	10.0	803955.0	1.036191	Y
3	IC 200-207901/7	0.425385	0.358917	10.0	836878.0	0.843748	Y
4	IC 200-207901/9	4.243678	4.037696	10.0	833780.0	0.951461	Y
5	ICIS 200-207901/10	9.99806	10.405294	10.0	865150.0	1.040731	Y
6	IC 200-207901/11	15.003557	15.253833	10.0	889482.0	1.016681	Y
7	IC 200-207901/14	19.99612	19.987445	10.0	893672.0	0.999566	Y
8	IC 200-207901/15	39.99224	41.072012	10.0	908488.0	1.027	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

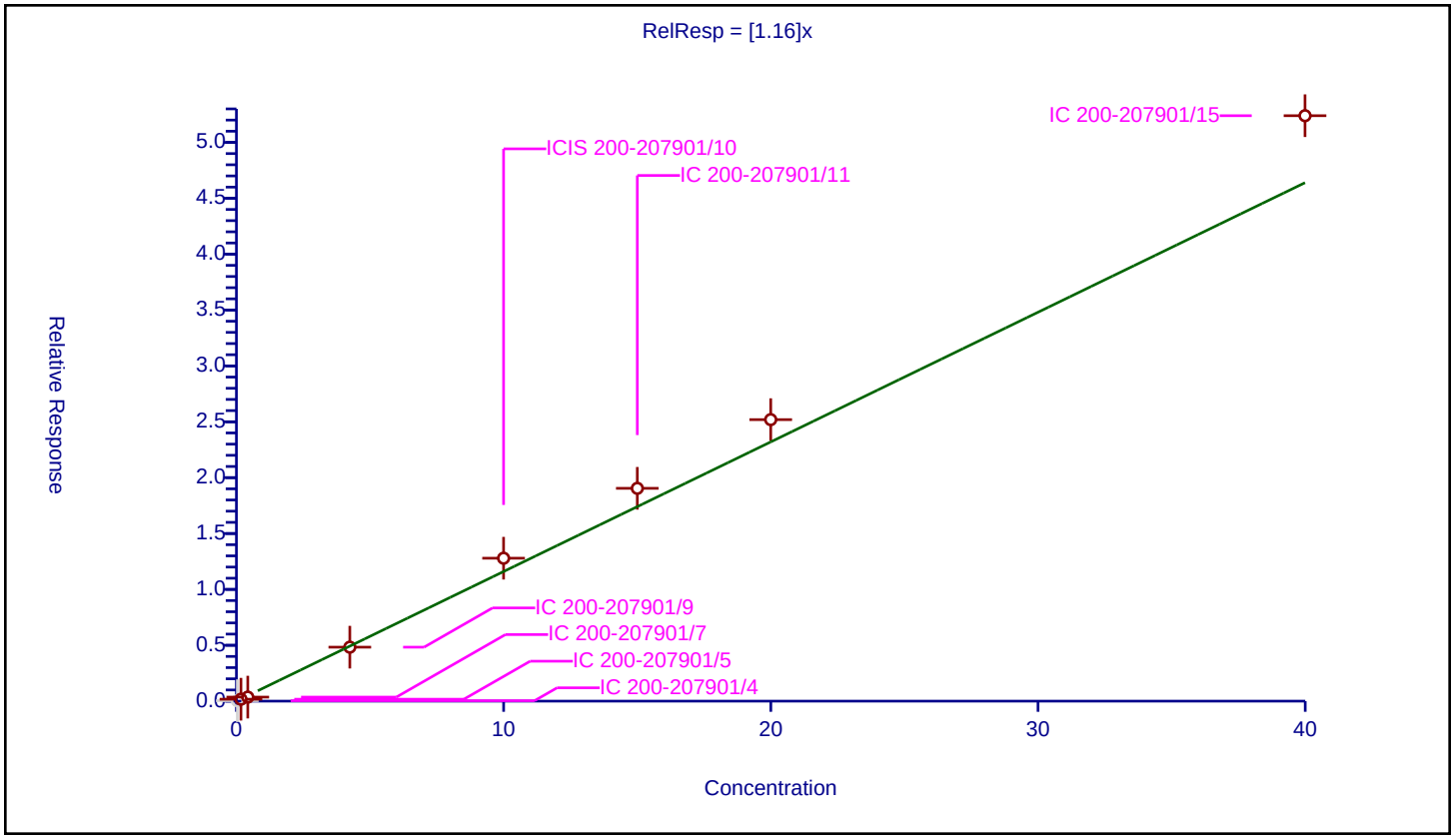
Curve Coefficients

Intercept:	0
Slope:	1.16

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.038596	10.0	792819.0	1.100337	N
2	IC 200-207901/5	0.170374	0.173181	10.0	803955.0	1.016479	Y
3	IC 200-207901/7	0.425385	0.360542	10.0	836878.0	0.847568	Y
4	IC 200-207901/9	4.243678	4.829799	10.0	833780.0	1.138116	Y
5	ICIS 200-207901/10	9.99806	12.790221	10.0	865150.0	1.27927	Y
6	IC 200-207901/11	15.003557	19.04468	10.0	889482.0	1.269344	Y
7	IC 200-207901/14	19.99612	25.191256	10.0	893672.0	1.259807	Y
8	IC 200-207901/15	39.99224	52.389201	10.0	908488.0	1.309984	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

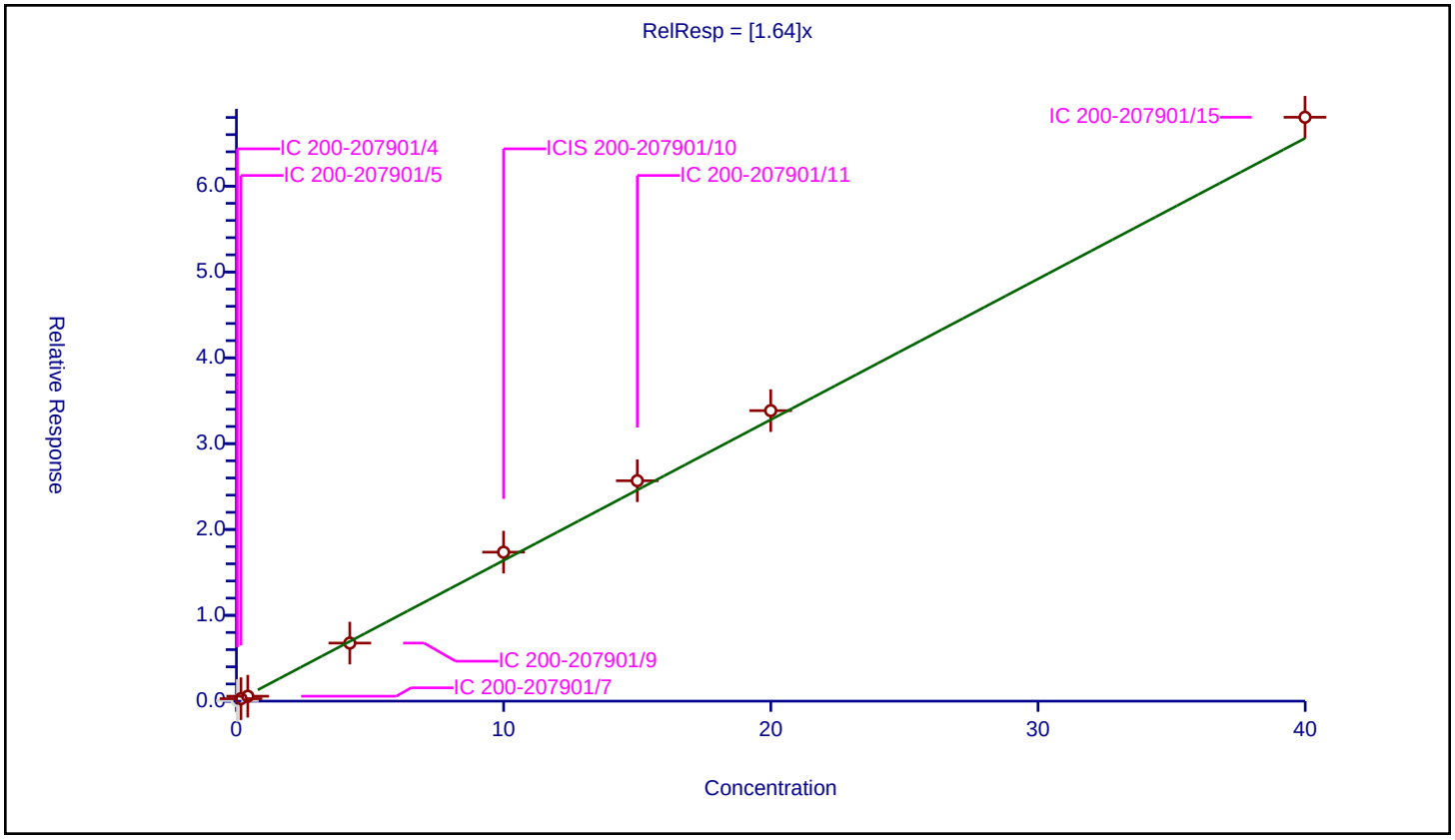
Curve Coefficients

Intercept:	0
Slope:	1.64

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.06289	10.0	792819.0	1.792902	N
2	IC 200-207901/5	0.170374	0.287205	10.0	803955.0	1.685736	Y
3	IC 200-207901/7	0.425385	0.577026	10.0	836878.0	1.356479	Y
4	IC 200-207901/9	4.243678	6.765118	10.0	833780.0	1.594164	Y
5	ICIS 200-207901/10	9.99806	17.357348	10.0	865150.0	1.736072	Y
6	IC 200-207901/11	15.003557	25.678755	10.0	889482.0	1.711511	Y
7	IC 200-207901/14	19.99612	33.846378	10.0	893672.0	1.692647	Y
8	IC 200-207901/15	39.99224	68.026512	10.0	908488.0	1.700993	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

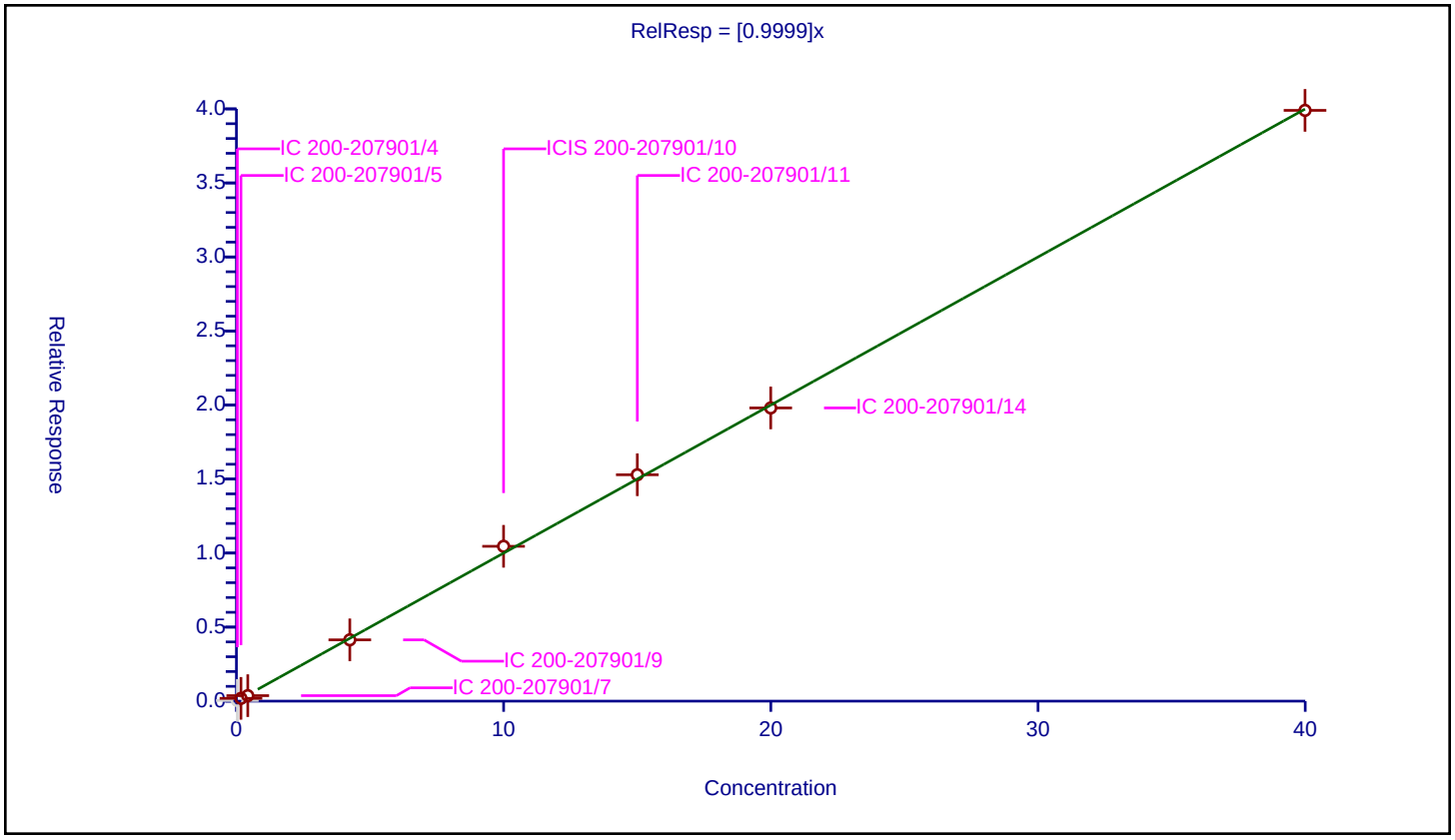
Curve Coefficients

Intercept:	0
Slope:	0.9999

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.043894	10.0	792819.0	1.251363	N
2	IC 200-207901/5	0.170374	0.187361	10.0	803955.0	1.099707	Y
3	IC 200-207901/7	0.425385	0.370568	10.0	836878.0	0.871136	Y
4	IC 200-207901/9	4.243678	4.139977	10.0	833780.0	0.975563	Y
5	ICIS 200-207901/10	9.99806	10.456927	10.0	865150.0	1.045896	Y
6	IC 200-207901/11	15.003557	15.288516	10.0	889482.0	1.018993	Y
7	IC 200-207901/14	19.99612	19.802478	10.0	893672.0	0.990316	Y
8	IC 200-207901/15	39.99224	39.898645	10.0	908488.0	0.99766	Y



Calibration / Undecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

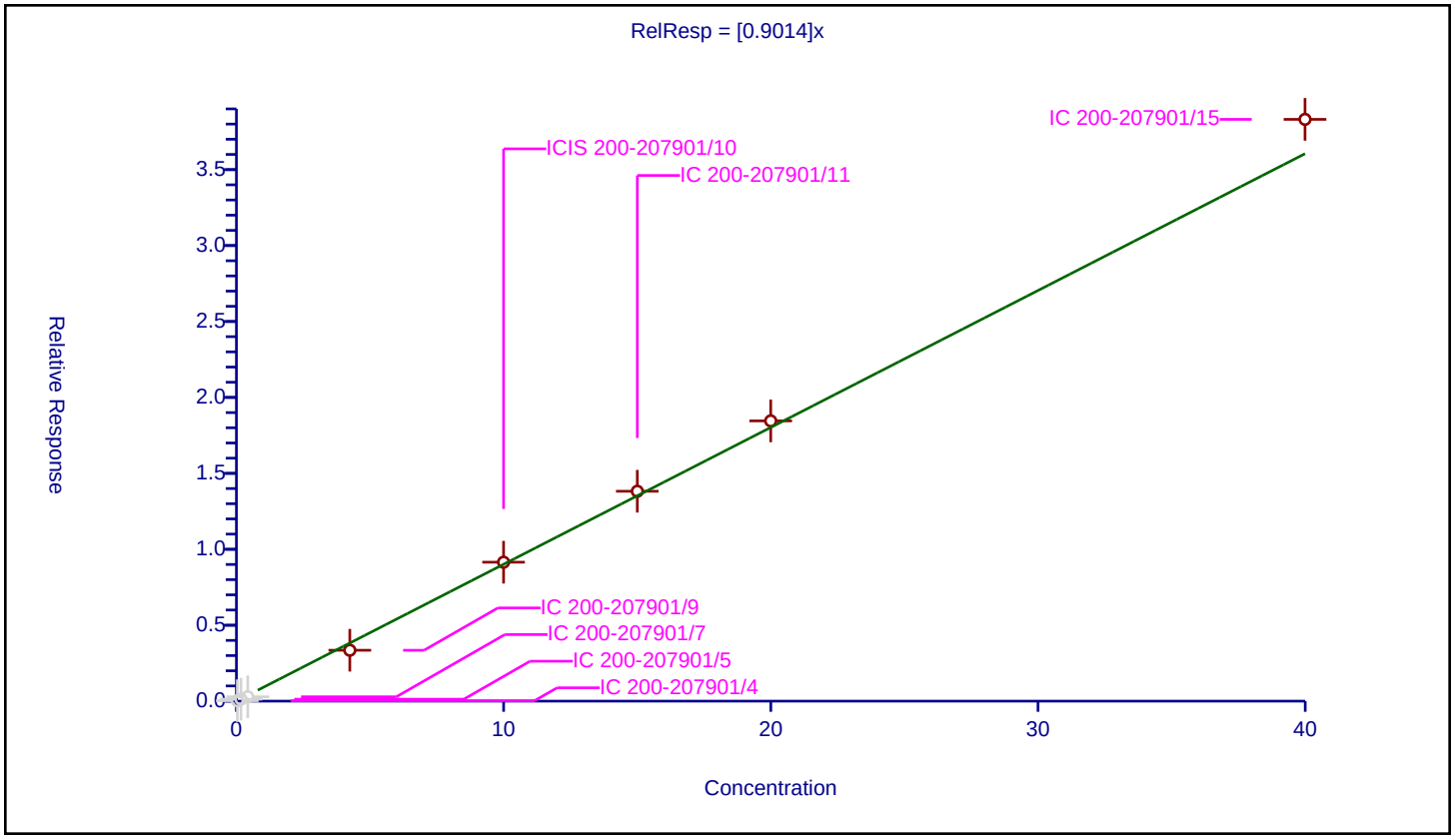
Curve Coefficients

Intercept:	0
Slope:	0.9014

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.026601	10.0	792819.0	0.758369	N
2	IC 200-207901/5	0.170374	0.129734	10.0	803955.0	0.761465	N
3	IC 200-207901/7	0.425385	0.28684	10.0	836878.0	0.674307	N
4	IC 200-207901/9	4.243678	3.35152	10.0	833780.0	0.789768	Y
5	ICIS 200-207901/10	9.99806	9.149003	10.0	865150.0	0.915078	Y
6	IC 200-207901/11	15.003557	13.821629	10.0	889482.0	0.921223	Y
7	IC 200-207901/14	19.99612	18.45469	10.0	893672.0	0.922914	Y
8	IC 200-207901/15	39.99224	38.310401	10.0	908488.0	0.957946	Y



Calibration / Dodecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

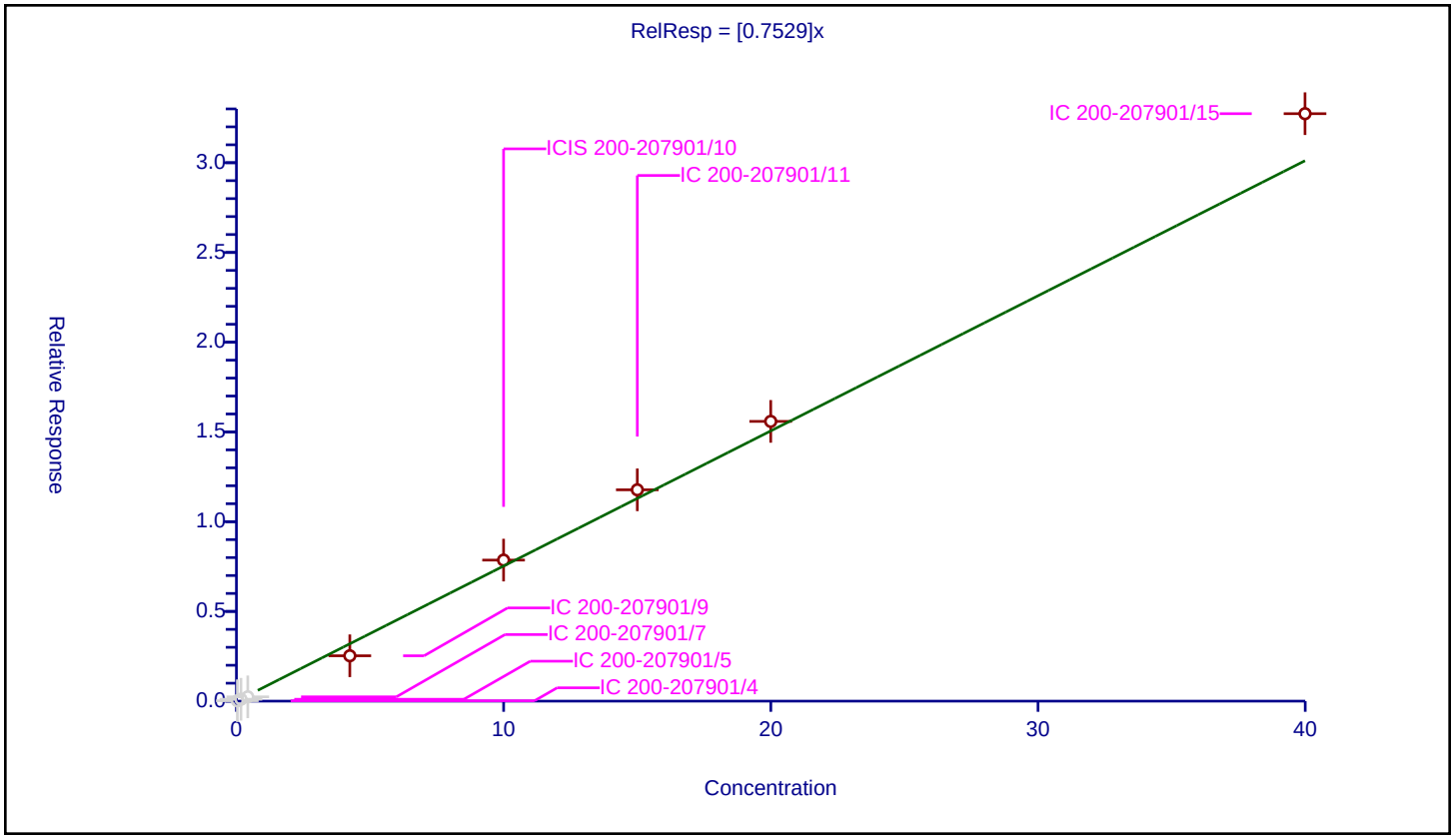
Curve Coefficients

Intercept:	0
Slope:	0.7529

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.035077	0.021581	10.0	792819.0	0.615254	N
2	IC 200-207901/5	0.170374	0.104036	10.0	803955.0	0.610632	N
3	IC 200-207901/7	0.425385	0.239402	10.0	836878.0	0.562789	N
4	IC 200-207901/9	4.243678	2.528569	10.0	833780.0	0.595844	Y
5	ICIS 200-207901/10	9.99806	7.858348	10.0	865150.0	0.785987	Y
6	IC 200-207901/11	15.003557	11.774887	10.0	889482.0	0.784806	Y
7	IC 200-207901/14	19.99612	15.587453	10.0	893672.0	0.779524	Y
8	IC 200-207901/15	39.99224	32.733223	10.0	908488.0	0.818489	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

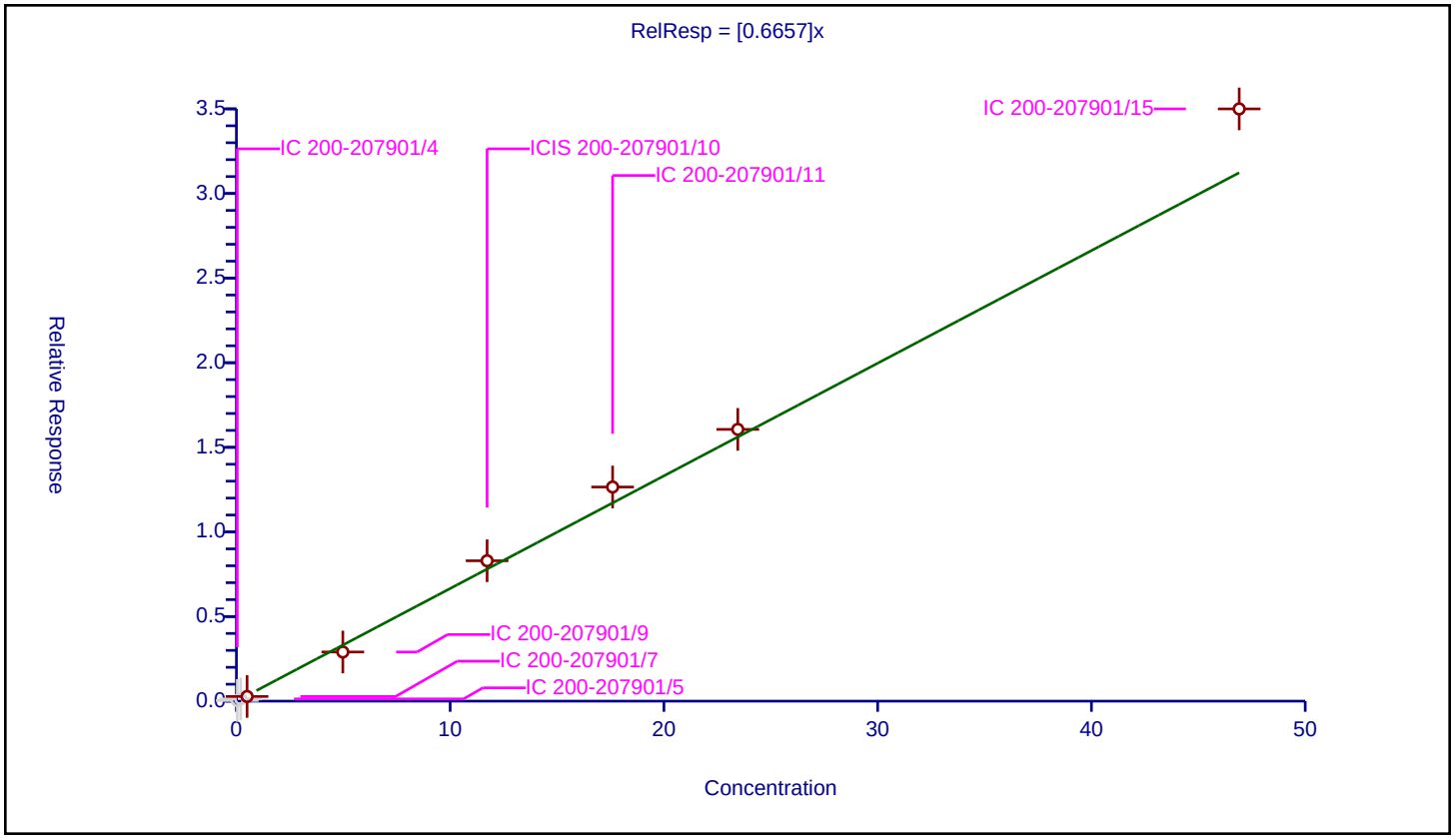
Curve Coefficients

Intercept:	0
Slope:	0.6657

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.041145	0.039025	10.0	792819.0	0.948476	N
2	IC 200-207901/5	0.199848	0.1315	10.0	803955.0	0.657998	N
3	IC 200-207901/7	0.498976	0.276074	10.0	836878.0	0.55328	Y
4	IC 200-207901/9	4.977835	2.904867	10.0	833780.0	0.58356	Y
5	ICIS 200-207901/10	11.727724	8.29544	10.0	865150.0	0.707336	Y
6	IC 200-207901/11	17.599172	12.653544	10.0	889482.0	0.718985	Y
7	IC 200-207901/14	23.455448	16.060747	10.0	893672.0	0.684734	Y
8	IC 200-207901/15	46.910897	34.998272	10.0	908488.0	0.746058	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

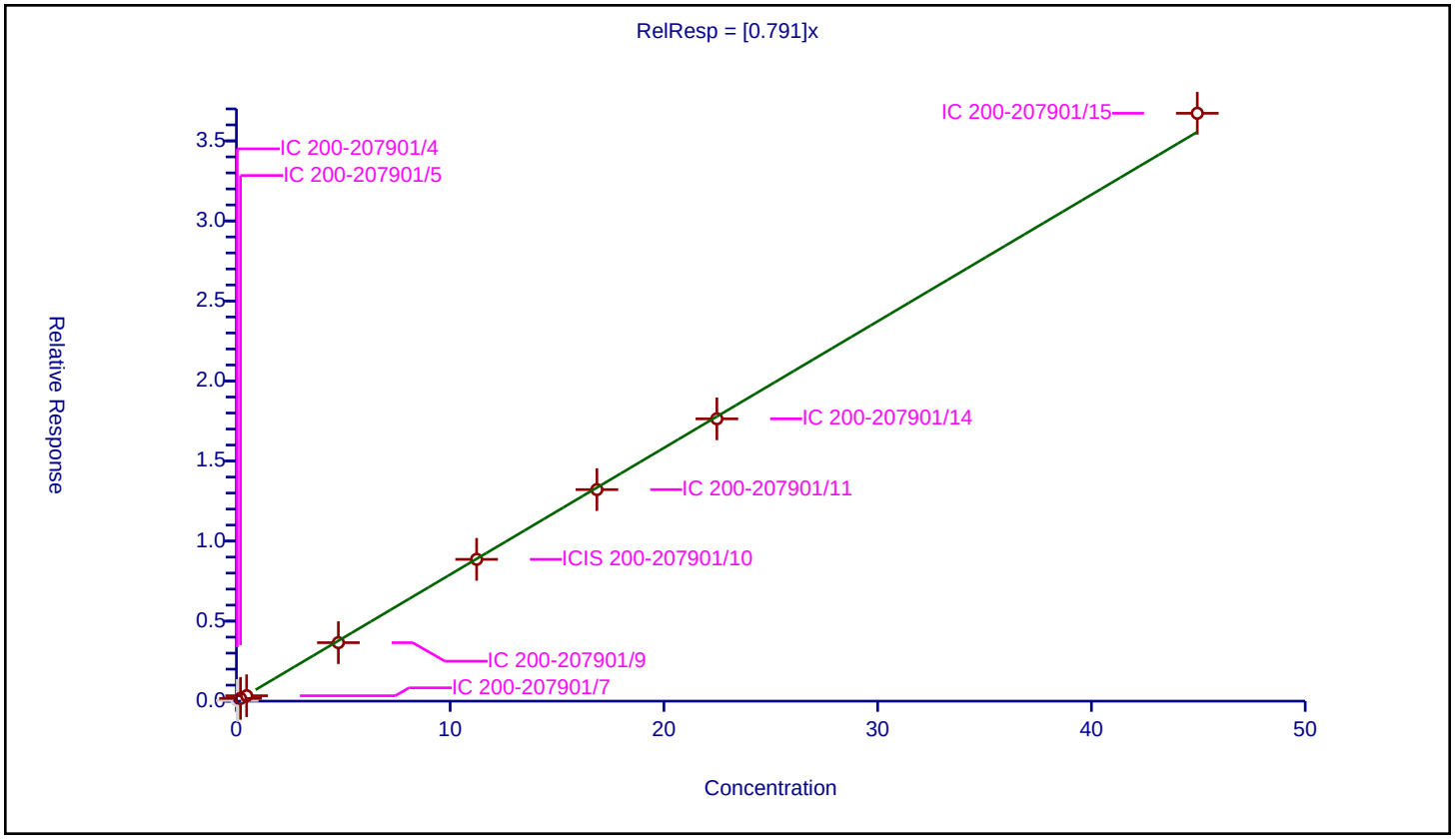
Curve Coefficients

Intercept:	0
Slope:	0.791

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.039426	0.041094	10.0	792819.0	1.042291	N
2	IC 200-207901/5	0.1915	0.171104	10.0	803955.0	0.893494	Y
3	IC 200-207901/7	0.478132	0.33674	10.0	836878.0	0.704281	Y
4	IC 200-207901/9	4.769895	3.65263	10.0	833780.0	0.765767	Y
5	ICIS 200-207901/10	11.237819	8.858106	10.0	865150.0	0.788241	Y
6	IC 200-207901/11	16.863998	13.214927	10.0	889482.0	0.783618	Y
7	IC 200-207901/14	22.475639	17.637232	10.0	893672.0	0.784727	Y
8	IC 200-207901/15	44.951277	36.725548	10.0	908488.0	0.817008	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

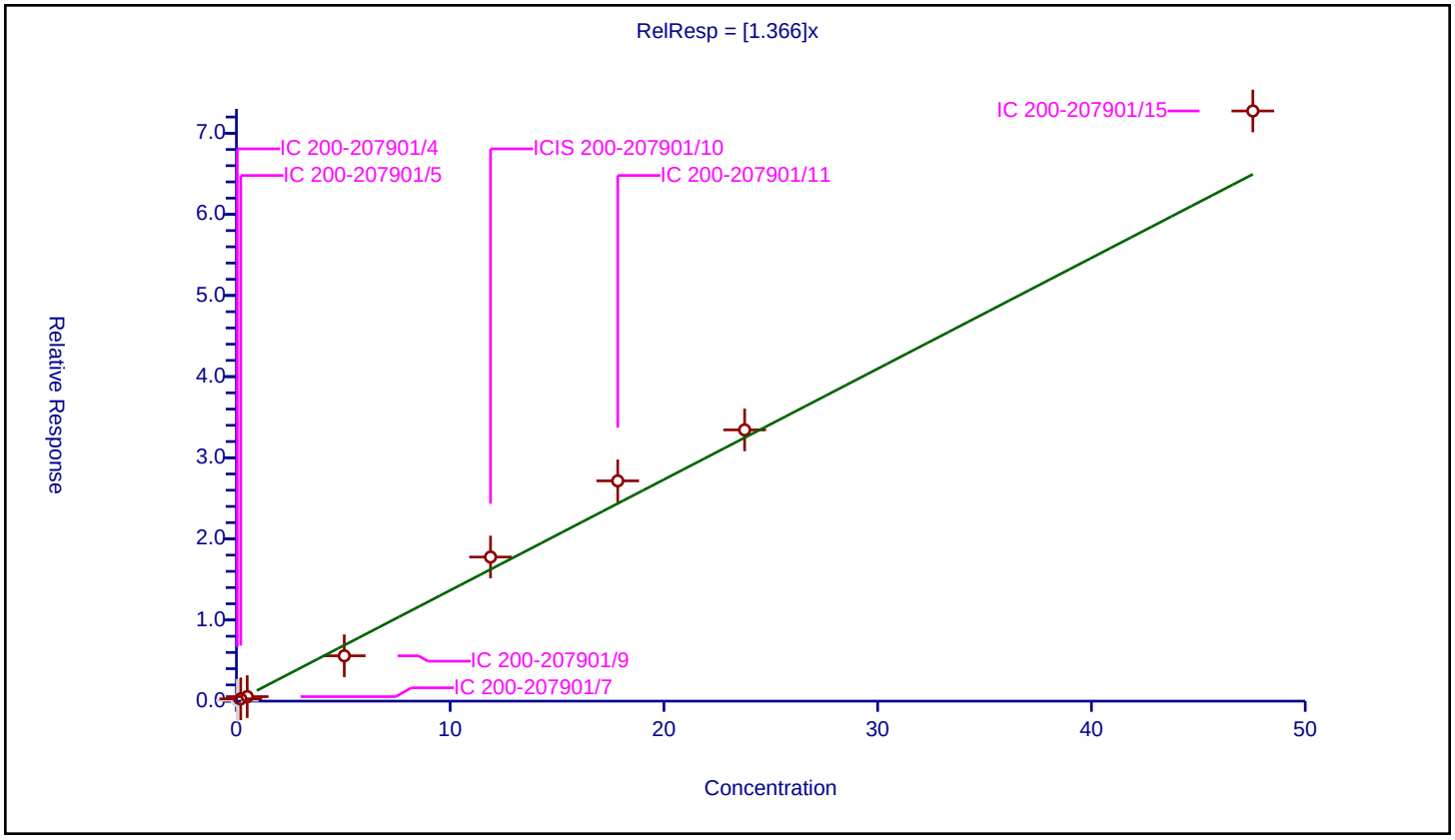
Curve Coefficients

Intercept:	0
Slope:	1.366

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.041706	0.096882	10.0	792819.0	2.322951	N
2	IC 200-207901/5	0.202574	0.283387	10.0	803955.0	1.398926	Y
3	IC 200-207901/7	0.505782	0.557142	10.0	836878.0	1.101545	Y
4	IC 200-207901/9	5.045734	5.58886	10.0	833780.0	1.107641	Y
5	ICIS 200-207901/10	11.887693	17.761406	10.0	865150.0	1.4941	Y
6	IC 200-207901/11	17.839229	27.150656	10.0	889482.0	1.521964	Y
7	IC 200-207901/14	23.775386	33.433665	10.0	893672.0	1.40623	Y
8	IC 200-207901/15	47.550773	72.743228	10.0	908488.0	1.529801	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

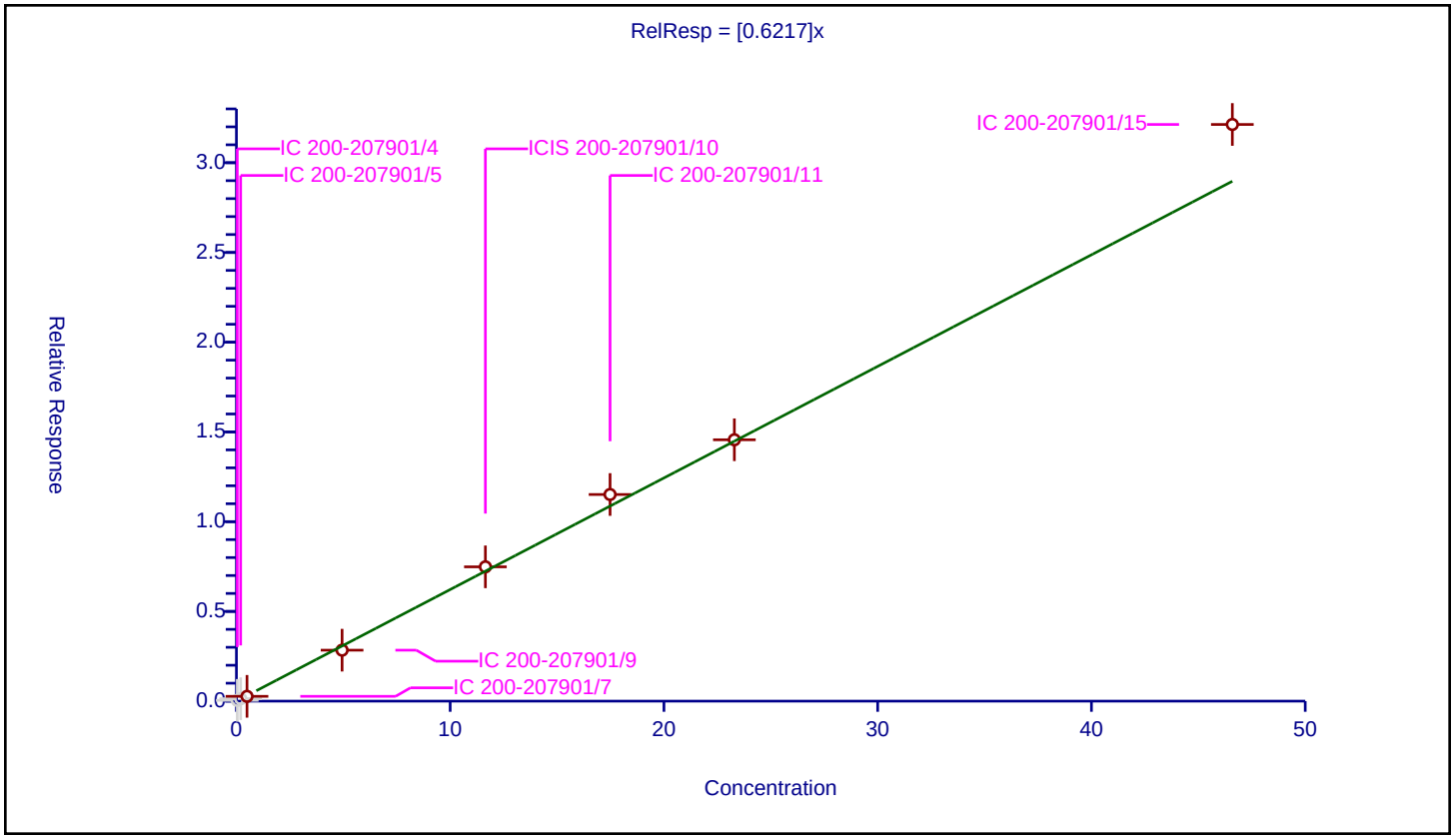
Curve Coefficients

Intercept:	0
Slope:	0.6217

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207901/4	0.040865	0.044184	10.0	792819.0	1.081231	N
2	IC 200-207901/5	0.198485	0.135406	10.0	803955.0	0.682194	N
3	IC 200-207901/7	0.495573	0.267602	10.0	836878.0	0.539984	Y
4	IC 200-207901/9	4.943885	2.83979	10.0	833780.0	0.574404	Y
5	ICIS 200-207901/10	11.64774	7.483743	10.0	865150.0	0.642506	Y
6	IC 200-207901/11	17.479144	11.514578	10.0	889482.0	0.658761	Y
7	IC 200-207901/14	23.29548	14.563878	10.0	893672.0	0.62518	Y
8	IC 200-207901/15	46.590959	32.131762	10.0	908488.0	0.689657	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: ICV 200-205411/16 Calibration Date: 06/19/2024 01:33

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 60827_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.9863	1.037		10.5	10.0	5.1	30.0
Dichlorodifluoromethane	Ave	4.298	4.478		10.4	10.0	4.2	30.0
Chlorodifluoromethane	Ave	2.286	2.349		10.3	10.0	2.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.452	4.537		10.2	10.0	1.9	30.0
Chloromethane	Ave	1.248	1.264		10.1	10.0	1.3	30.0
n-Butane	Ave	2.038	2.051		10.1	10.0	0.6	30.0
Vinyl chloride	Ave	1.588	1.493		9.40	10.0	-6.0	30.0
1,3-Butadiene	Ave	1.223	1.118		9.14	10.0	-8.6	30.0
Bromomethane	Ave	1.650	1.666		10.1	10.0	1.0	30.0
Chloroethane	Ave	0.8622	0.8778		10.2	10.0	1.8	30.0
Isopentane	Ave	1.777	1.774		9.98	10.0	-0.2	30.0
Bromoethene(Vinyl Bromide)	Ave	1.667	1.724		10.3	10.0	3.4	30.0
Trichlorofluoromethane	Ave	4.598	4.693		10.2	10.0	2.1	30.0
n-Pentane	Ave	2.716	2.684		9.88	10.0	-1.2	30.0
Ethanol	Ave	0.6024	0.5297		13.2	15.0	-12.1	30.0
Ethyl ether	Ave	1.189	1.178		9.91	10.0	-0.9	30.0
Acrolein	Ave	0.7156	0.7316		10.2	10.0	2.2	30.0
1,1-Dichloroethene	Ave	1.831	1.749		9.55	10.0	-4.5	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.852	3.732		9.69	10.0	-3.1	30.0
Acetone	Ave	2.352	2.427		10.3	10.0	3.2	30.0
Carbon disulfide	Ave	5.024	4.981		9.91	10.0	-0.9	30.0
Isopropyl alcohol	Ave	2.705	2.532		9.36	10.0	-6.4	30.0
Acetonitrile	Ave	1.186	1.078		9.09	10.0	-9.1	30.0
3-Chloropropene	Ave	2.164	2.178		10.1	10.0	0.7	30.0
Methylene Chloride	Ave	1.920	1.891		9.85	10.0	-1.5	30.0
tert-Butyl alcohol	Ave	3.098	3.124		10.1	10.0	0.8	30.0
Acrylonitrile	Ave	1.229	1.191		9.69	10.0	-3.0	30.0
trans-1,2-Dichloroethene	Ave	2.591	2.559		9.87	10.0	-1.3	30.0
Methyl tert-butyl ether	Ave	4.780	4.907		10.3	10.0	2.7	30.0
n-Hexane	Ave	2.713	2.652		9.77	10.0	-2.3	30.0
1,1-Dichloroethane	Ave	3.297	3.108		9.42	10.0	-5.7	30.0
Vinyl acetate	Ave	3.952	4.051		10.2	10.0	2.5	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.8871	0.8732		9.84	10.0	-1.6	30.0
cis-1,2-Dichloroethene	Ave	2.016	1.868		9.26	10.0	-7.3	30.0
Ethyl acetate	Ave	0.1547	0.1615		10.4	10.0	4.4	30.0
Tetrahydrofuran	Ave	0.3731	0.3751		10.1	10.0	0.5	30.0
Chloroform	Ave	3.866	3.810		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.7908	0.7971		10.1	10.0	0.8	30.0
Cyclohexane	Ave	0.4918	0.4915		9.99	10.0	-0.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: ICV 200-205411/16 Calibration Date: 06/19/2024 01:33

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 60827_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.8143	0.8232		10.1	10.0	1.1	30.0
Benzene	Ave	1.155	1.153		9.98	10.0	-0.2	30.0
1,2-Dichloroethane	Ave	0.5110	0.5090		9.96	10.0	-0.4	30.0
2,2,4-Trimethylpentane	Ave	1.794	1.796		10.0	10.0	0.1	30.0
n-Heptane	Ave	0.6506	0.6483		9.96	10.0	-0.3	30.0
n-Butanol	Ave	0.2376	0.2081		8.76	10.0	-12.4	30.0
Trichloroethene	Ave	0.5390	0.5291		9.82	10.0	-1.8	30.0
1,2-Dichloropropane	Ave	0.4354	0.4334		9.95	10.0	-0.5	30.0
Methyl methacrylate	Ave	0.4018	0.4124		10.3	10.0	2.6	30.0
1,4-Dioxane	Ave	0.2204	0.2047		9.29	10.0	-7.1	30.0
Dibromomethane	Ave	0.4653	0.4656		10.0	10.0	0.0	30.0
Bromodichloromethane	Ave	0.8562	0.8696		10.2	10.0	1.6	30.0
cis-1,3-Dichloropropene	Ave	0.7319	0.7393		10.1	10.0	1.0	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.7926	0.8057		10.2	10.0	1.7	30.0
Toluene	Ave	0.9039	0.9105		10.1	10.0	0.7	30.0
n-Octane	Ave	0.8942	0.8929		9.98	10.0	-0.1	30.0
trans-1,3-Dichloropropene	Ave	0.5803	0.6403		11.0	10.0	10.3	30.0
1,1,2-Trichloroethane	Ave	0.4637	0.4739		10.2	10.0	2.2	30.0
Tetrachloroethene	Ave	0.7518	0.7469		9.93	10.0	-0.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8204	0.8224		10.0	10.0	0.2	30.0
Dibromochloromethane	Ave	0.9437	0.9689		10.3	10.0	2.7	30.0
1,2-Dibromoethane	Ave	0.8383	0.8513		10.2	10.0	1.5	30.0
Chlorobenzene	Ave	1.216	1.225		10.1	10.0	0.7	30.0
Ethylbenzene	Ave	1.988	2.022		10.2	10.0	1.7	30.0
m,p-Xylene	Ave	0.7505	0.7647		20.4	20.0	1.9	30.0
n-Nonane	Ave	0.9464	0.9572		10.1	10.0	1.1	30.0
o-Xylene	Ave	0.7250	0.7467		10.3	10.0	3.0	30.0
Styrene	Ave	1.179	1.215		10.3	10.0	3.1	30.0
Bromoform	Ave	0.8834	0.9279		10.5	10.0	5.0	30.0
Cumene	Ave	2.151	2.211		10.3	10.0	2.8	30.0
1,1,2,2-Tetrachloroethane	Ave	1.167	1.192		10.2	10.0	2.1	30.0
1,2,3-Trichloropropane	Ave	0.9157	0.9365		10.2	10.0	2.3	30.0
n-Propylbenzene	Ave	2.585	2.679		10.4	10.0	3.6	30.0
2-Chlorotoluene	Ave	1.713	1.734		10.1	10.0	1.2	30.0
4-Ethyltoluene	Ave	2.072	2.178		10.5	10.0	5.1	30.0
1,3,5-Trimethylbenzene	Ave	1.740	1.823		10.5	10.0	4.8	30.0
n-Decane	Ave	1.130	1.188		10.5	10.0	5.1	30.0
Alpha Methyl Styrene	Ave	0.9054	0.9496		10.5	10.0	4.9	30.0
tert-Butylbenzene	Ave	1.673	1.739		10.4	10.0	3.9	30.0
1,2,4-Trimethylbenzene	Ave	1.755	1.818		10.4	10.0	3.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: ICV 200-205411/16 Calibration Date: 06/19/2024 01:33

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 60827_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	2.524	2.651		10.5	10.0	5.0	30.0
1,3-Dichlorobenzene	Ave	1.206	1.221		10.1	10.0	1.2	30.0
4-Isopropyltoluene	Ave	2.086	2.167		10.4	10.0	3.9	30.0
1,4-Dichlorobenzene	Ave	1.204	1.220		10.1	10.0	1.3	30.0
Benzyl chloride	Ave	1.520	1.618		10.6	10.0	6.5	30.0
n-Butylbenzene	Ave	2.023	2.081		10.3	10.0	2.8	30.0
1,2-Dichlorobenzene	Ave	1.145	1.164		10.2	10.0	1.7	30.0
n-Undecane	Ave	1.137	1.169		10.3	10.0	2.8	30.0
n-Dodecane	Ave	1.041	0.9521		9.15	10.0	-8.5	30.0
1,2,4-Trichlorobenzene	Ave	0.9271	0.8645		9.32	10.0	-6.8	30.0
Hexachlorobutadiene	Ave	0.8274	0.8255		9.97	10.0	-0.2	30.0
Naphthalene	Ave	1.654	1.759		10.6	10.0	6.3	30.0
1,2,3-Trichlorobenzene	Ave	0.8446	0.6797		8.05	10.0	-19.5	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_016.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 19-Jun-2024 01:33:05 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-016
Operator ID: vtp Instrument ID: CHAM.i
Sublist:

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:08:25 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 15:32:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.315	4.316	-0.001	97	395183	10.0	10.5	
2 Dichlorodifluoromethane	85	4.417	4.412	0.005	99	1707216	10.0	10.4	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	97	895592	10.0	10.3	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.786	0.000	98	1729588	10.0	10.2	
5 Chloromethane	50	4.914	4.915	-0.001	99	481757	10.0	10.1	
11 BFB									
7 Butane	43	5.214	5.214	0.000	98	781783	10.0	10.1	
6 Vinyl chloride	62	5.219	5.214	0.005	100	569183	10.0	9.40	
8 Butadiene	54	5.332	5.332	0.000	92	426064	10.0	9.14	
9 Bromomethane	94	6.086	6.081	0.005	99	635347	10.0	10.1	
10 Chloroethane	64	6.364	6.359	0.005	100	334666	10.0	10.2	
12 2-Methylbutane	43	6.567	6.568	-0.001	92	676315	10.0	9.98	
13 Vinyl bromide	106	6.792	6.793	-0.001	99	657223	10.0	10.3	
14 Trichlorofluoromethane	101	6.953	6.953	0.000	99	1789211	10.0	10.2	
15 Pentane	43	7.161	7.156	0.005	95	1023377	10.0	9.88	
16 Ethanol	45	7.359	7.360	-0.001	97	303062	15.0	13.2	
18 Ethyl ether	59	7.584	7.584	0.000	92	449249	10.0	9.91	
19 Acrolein	56	7.846	7.846	0.000	96	278931	10.0	10.2	
20 1,1-Dichloroethene	96	8.039	8.034	0.005	97	666950	10.0	9.55	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	96	1422859	10.0	9.69	
22 Acetone	43	8.130	8.130	0.000	98	925105	10.0	10.3	
23 Isopropyl alcohol	45	8.440	8.435	0.005	97	965385	10.0	9.36	
24 Carbon disulfide	76	8.440	8.440	0.000	99	1899025	10.0	9.91	
25 Acetonitrile	41	8.659	8.660	-0.001	99	411099	10.0	9.09	M
26 3-Chloro-1-propene	41	8.745	8.745	0.000	97	830471	10.0	10.1	
27 Methylene Chloride	49	8.991	8.986	0.005	92	720885	10.0	9.85	
28 2-Methyl-2-propanol	59	9.221	9.216	0.005	99	1190948	10.0	10.1	
29 Acrylonitrile	53	9.414	9.409	0.005	94	454124	10.0	9.69	
30 trans-1,2-Dichloroethene	61	9.483	9.483	0.000	99	975439	10.0	9.87	
31 Methyl tert-butyl ether	73	9.488	9.483	0.005	97	1870888	10.0	10.3	
32 Hexane	57	9.991	9.992	-0.001	93	1011088	10.0	9.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61				0		20.0	19.1	
33 1,1-Dichloroethane	63	10.270	10.270	0.000	100	1184866	10.0	9.42	
34 Vinyl acetate	43	10.280	10.275	0.005	100	1544345	10.0	10.2	
36 2-Butanone (MEK)	72	11.265	11.260	0.005	99	332893	10.0	9.84	
37 cis-1,2-Dichloroethene	96	11.286	11.286	0.000	93	712110	10.0	9.26	
38 Ethyl acetate	88	11.334	11.334	0.000	100	61574	10.0	10.4	
* 39 Chlorobromomethane	128	11.703	11.698	0.005	90	381323	10.0	10.0	
40 Tetrahydrofuran	42	11.735	11.730	0.005	91	691949	10.0	10.1	
41 Chloroform	83	11.880	11.880	0.000	96	1452402	10.0	9.85	
42 1,1,1-Trichloroethane	97	12.179	12.180	-0.001	98	1470594	10.0	10.1	
43 Cyclohexane	84	12.308	12.308	0.000	98	906879	10.0	10.0	
44 Carbon tetrachloride	117	12.452	12.453	-0.001	98	1518713	10.0	10.1	
45 Benzene	78	12.811	12.811	0.000	96	2126467	10.0	9.98	
46 1,2-Dichloroethane	62	12.896	12.897	-0.001	93	939087	10.0	9.96	
47 Isooctane	57	13.014	13.014	0.000	99	3313577	10.0	10.0	
48 n-Heptane	43	13.324	13.319	0.005	92	1196093	10.0	9.96	
* 49 1,4-Difluorobenzene	114	13.554	13.555	-0.001	95	1845300	10.0	10.0	
50 n-Butanol	56	13.800	13.801	-0.001	89	384018	10.0	8.76	
51 Trichloroethene	95	13.982	13.983	-0.001	97	976162	10.0	9.82	
A 52 GRO	1	14.282	(6.558-22.007)		0	302496885	649.9	0	
53 1,2-Dichloropropane	63	14.453	14.453	0.000	91	799538	10.0	9.95	
54 Methyl methacrylate	69	14.533	14.534	-0.001	98	760892	10.0	10.3	
55 1,4-Dioxane	88	14.581	14.582	-0.001	93	377606	10.0	9.29	
57 Dibromomethane	174	14.614	14.614	0.000	97	859093	10.0	10.0	
58 Dichlorobromomethane	83	14.924	14.924	0.000	98	1604422	10.0	10.2	
A 60 TVOC as Toluene	1	15.668	(4.306-27.030)		0	453161326	899.8	0	
59 cis-1,3-Dichloropropene	75	15.726	15.727	-0.001	92	1363893	10.0	10.1	
61 4-Methyl-2-pentanone (MIBK)	43	15.999	15.999	0.000	96	1486507	10.0	10.2	
62 Toluene	92	16.363	16.363	0.000	93	1510143	10.0	10.1	
A 63 Toluene Range	1	16.366	(16.294-16.438)		0	6082359	NC	NC	
64 n-Octane	43	16.593	16.593	0.000	91	1647350	10.0	9.98	
A 65 C8 Range	1	16.615	(16.513-16.716)		0	6497791	NC	NC	
66 trans-1,3-Dichloropropene	75	16.791	16.791	0.000	96	1181344	10.0	11.0	
67 1,1,2-Trichloroethane	83	17.171	17.171	0.000	97	786020	10.0	10.2	
68 Tetrachloroethene	166	17.347	17.348	-0.001	96	1238755	10.0	9.93	
69 2-Hexanone	43	17.583	17.583	0.000	95	1364006	10.0	10.0	
70 Chlorodibromomethane	129	17.909	17.904	0.005	98	1606947	10.0	10.3	
71 Ethylene Dibromide	107	18.144	18.145	-0.001	98	1411929	10.0	10.2	
* 73 Chlorobenzene-d5	117	19.054	19.054	0.000	86	1658898	10.0	10.0	
74 Chlorobenzene	112	19.113	19.113	0.000	94	2032104	10.0	10.1	
75 Ethylbenzene	91	19.300	19.300	0.000	98	3352966	10.0	10.2	
76 m-Xylene & p-Xylene	106	19.562	19.557	0.005	0	2536663	20.0	20.4	
77 n-Nonane	57	19.605	19.605	0.000	88	1587632	10.0	10.1	
S 80 Xylenes, Total	106				0		30.0	30.7	
78 o-Xylene	106	20.327	20.327	0.000	99	1238531	10.0	10.3	
79 Styrene	104	20.365	20.365	0.000	99	2015881	10.0	10.3	
81 Bromoform	173	20.707	20.707	0.000	96	1538963	10.0	10.5	
82 Isopropylbenzene	105	20.996	20.996	0.000	98	3666860	10.0	10.3	
83 1,1,2,2-Tetrachloroethane	83	21.520	21.520	0.000	99	1976799	10.0	10.2	
84 1,2,3-Trichloropropane	75	21.616	21.617	-0.001	99	1553191	10.0	10.2	
85 N-Propylbenzene	91	21.697	21.697	0.000	99	4442951	10.0	10.4	
86 2-Chlorotoluene	91	21.846	21.847	-0.001	96	2875504	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	21.889	21.890	-0.001	98	3613111	10.0	10.5	
88 1,3,5-Trimethylbenzene	105	21.980	21.981	-0.001	93	3023462	10.0	10.5	
89 n-Decane	57	21.996	21.997	-0.001	92	1970954	10.0	10.5	
90 Alpha Methyl Styrene	118	22.301	22.302	-0.001	88	1574905	10.0	10.5	
91 tert-Butylbenzene	119	22.456	22.457	-0.001	92	2883622	10.0	10.4	
92 1,2,4-Trimethylbenzene	105	22.542	22.542	0.000	98	3015987	10.0	10.4	
93 sec-Butylbenzene	105	22.772	22.772	0.000	98	4396624	10.0	10.5	
94 1,3-Dichlorobenzene	146	22.948	22.949	-0.001	98	2024395	10.0	10.1	
95 4-Isopropyltoluene	119	22.986	22.986	0.000	97	3593546	10.0	10.4	
96 1,4-Dichlorobenzene	146	23.093	23.088	0.005	94	2022987	10.0	10.1	
97 Benzyl chloride	91	23.243	23.243	0.000	99	2684275	10.0	10.6	
98 n-Butylbenzene	91	23.548	23.548	0.000	99	3450995	10.0	10.3	
99 1,2-Dichlorobenzene	146	23.596	23.596	0.000	95	1931034	10.0	10.2	
100 Undecane	57	23.687	23.687	0.000	94	1938210	10.0	10.3	
101 Dodecane	57	25.308	25.308	0.000	98	1579063	10.0	9.15	
102 1,2,4-Trichlorobenzene	180	26.094	26.095	-0.001	94	1433868	10.0	9.32	
103 Hexachlorobutadiene	225	26.340	26.341	-0.001	98	1369076	10.0	9.97	
104 Naphthalene	128	26.592	26.597	-0.005	99	2916731	10.0	10.6	
105 1,2,3-Trichlorobenzene	180	27.025	27.020	0.005	95	1127281	10.0	8.05	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15LCSW_00878	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

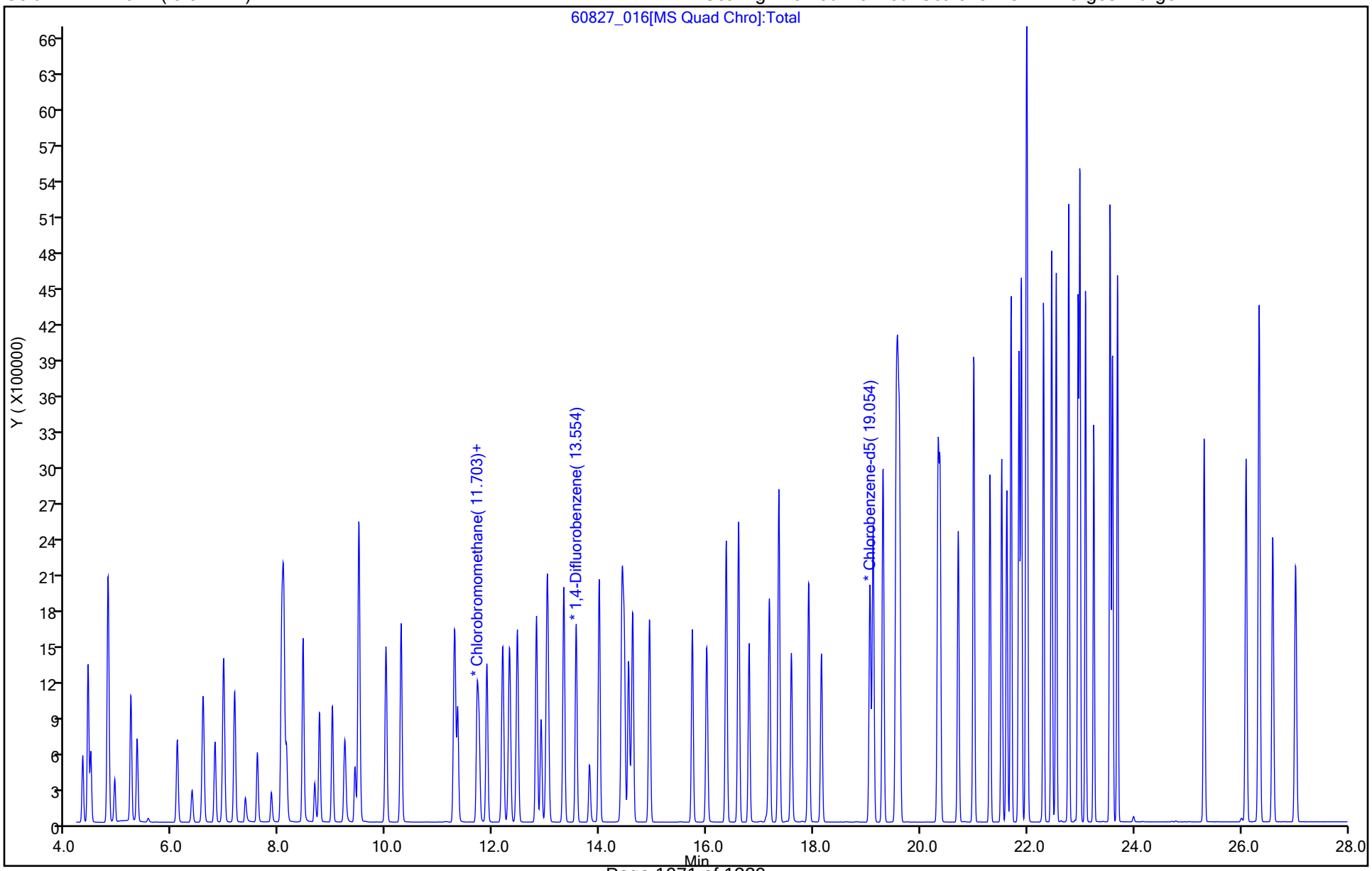
Report Date: 19-Jun-2024 16:14:31 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_016.D

Injection Date:	19-Jun-2024 01:33:05	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	icv			Worklist Smp#:	16
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

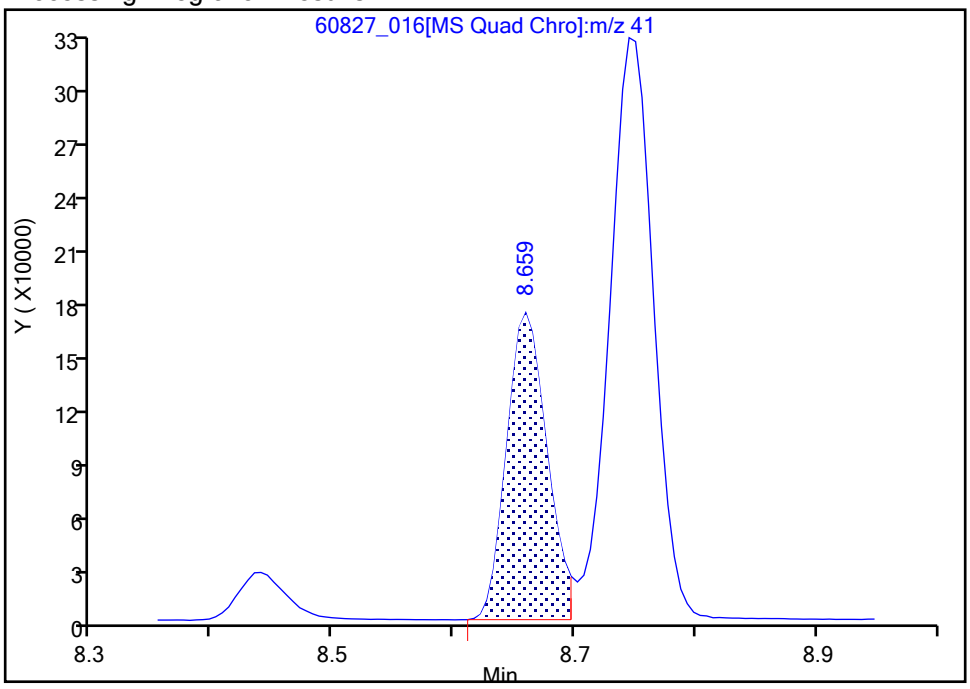
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_016.D				
Injection Date:	19-Jun-2024 01:33:05	Instrument ID:	CHAM.i		
Lims ID:	icv				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetonitrile, CAS: 75-05-8

Signal: 1

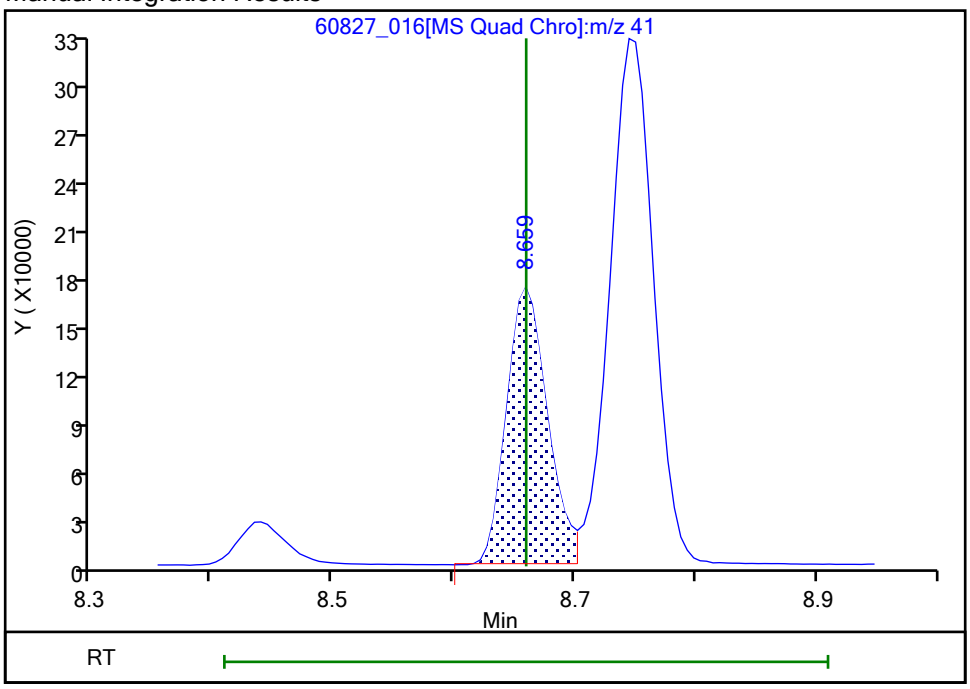
Processing Integration Results

RT: 8.66
Area: 403579
Amount: 8.925391
Amount Units: ppb v/v



Manual Integration Results

RT: 8.66
Area: 411099
Amount: 9.091700
Amount Units: ppb v/v



Reviewer: F7XK, 19-Jun-2024 13:25:40 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: CCVIS 200-208689/2 Calibration Date: 09/17/2024 08:03

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 62087_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.9863	1.134		11.5	10.0	15.0	30.0
Dichlorodifluoromethane	Ave	4.298	4.313		10.0	10.0	0.4	30.0
Chlorodifluoromethane	Ave	2.286	2.474		10.8	10.0	8.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.452	4.552		10.2	10.0	2.2	30.0
Chloromethane	Ave	1.248	1.436		11.5	10.0	15.1	30.0
n-Butane	Ave	2.038	1.591		7.81	10.0	-21.9	30.0
Vinyl chloride	Ave	1.588	1.235		7.78	10.0	-22.2	30.0
1,3-Butadiene	Ave	1.223	0.9606		7.85	10.0	-21.5	30.0
Bromomethane	Ave	1.650	1.625		9.85	10.0	-1.5	30.0
Chloroethane	Ave	0.8622	0.9282		10.8	10.0	7.7	30.0
Isopentane	Ave	1.777	1.880		10.6	10.0	5.8	30.0
Bromoethene(Vinyl Bromide)	Ave	1.667	1.551		9.30	10.0	-7.0	30.0
Trichlorofluoromethane	Ave	4.598	4.017		8.74	10.0	-12.6	30.0
n-Pentane	Ave	2.716	2.774		10.2	10.0	2.1	30.0
Ethanol	Ave	0.6024	0.6042		15.0	15.0	0.3	30.0
Ethyl ether	Ave	1.189	1.165		9.80	10.0	-2.0	30.0
Acrolein	Ave	0.7156	0.6034		9.87	11.7	-15.7	30.0
1,1-Dichloroethene	Ave	1.831	1.631		8.90	10.0	-11.0	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.852	3.409		8.85	10.0	-11.5	30.0
Acetone	Ave	2.352	2.227		9.46	10.0	-5.3	30.0
Isopropyl alcohol	Ave	2.705	2.423		10.4	11.6	-10.4	30.0
Carbon disulfide	Ave	5.024	4.731		9.41	10.0	-5.8	30.0
Acetonitrile	Ave	1.186	1.089		9.18	10.0	-8.1	30.0
3-Chloropropene	Ave	2.164	1.831		8.46	10.0	-15.4	30.0
Methylene Chloride	Ave	1.920	1.674		8.72	10.0	-12.8	30.0
tert-Butyl alcohol	Ave	3.098	2.816		9.09	10.0	-9.1	30.0
Acrylonitrile	Ave	1.229	1.118		9.10	10.0	-9.0	30.0
Methyl tert-butyl ether	Ave	4.780	4.200		8.79	10.0	-12.1	30.0
trans-1,2-Dichloroethene	Ave	2.591	2.168		8.36	10.0	-16.3	30.0
n-Hexane	Ave	2.713	2.311		8.52	10.0	-14.8	30.0
1,1-Dichloroethane	Ave	3.297	2.765		8.38	10.0	-16.1	30.0
Vinyl acetate	Ave	3.952	3.135		9.03	11.4	-20.7	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.8871	0.7941		8.95	10.0	-10.5	30.0
cis-1,2-Dichloroethene	Ave	2.016	1.720		8.53	10.0	-14.6	30.0
Ethyl acetate	Ave	0.1547	0.1409		9.11	10.0	-8.9	30.0
Tetrahydrofuran	Ave	0.3731	0.3270		8.76	10.0	-12.3	30.0
Chloroform	Ave	3.866	3.267		8.45	10.0	-15.5	30.0
1,1,1-Trichloroethane	Ave	0.7908	0.6575		8.31	10.0	-16.9	30.0
Cyclohexane	Ave	0.4918	0.4368		8.88	10.0	-11.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: CCVIS 200-208689/2 Calibration Date: 09/17/2024 08:03

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 62087_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.8143	0.6741		8.28	10.0	-17.2	30.0
Benzene	Ave	1.155	1.023		8.85	10.0	-11.4	30.0
1,2-Dichloroethane	Ave	0.5110	0.4155		8.13	10.0	-18.7	30.0
2,2,4-Trimethylpentane	Ave	1.794	1.559		8.69	10.0	-13.1	30.0
n-Heptane	Ave	0.6506	0.5392		8.29	10.0	-17.1	30.0
n-Butanol	Ave	0.2376	0.2112		8.89	10.0	-11.1	30.0
Trichloroethene	Ave	0.5390	0.4551		8.44	10.0	-15.6	30.0
1,2-Dichloropropane	Ave	0.4354	0.3831		8.80	10.0	-12.0	30.0
Methyl methacrylate	Ave	0.4018	0.3644		9.07	10.0	-9.3	30.0
1,4-Dioxane	Ave	0.2204	0.2017		9.15	10.0	-8.5	30.0
Dibromomethane	Ave	0.4653	0.4081		8.77	10.0	-12.3	30.0
Bromodichloromethane	Ave	0.8562	0.7382		8.62	10.0	-13.8	30.0
cis-1,3-Dichloropropene	Ave	0.7319	0.6468		8.84	10.0	-11.6	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.7926	0.6749		8.51	10.0	-14.8	30.0
Toluene	Ave	0.9039	0.8265		9.14	10.0	-8.6	30.0
n-Octane	Ave	0.8942	0.7520		8.41	10.0	-15.9	30.0
trans-1,3-Dichloropropene	Ave	0.5803	0.5059		8.72	10.0	-12.8	30.0
1,1,2-Trichloroethane	Ave	0.4637	0.4323		9.32	10.0	-6.8	30.0
Tetrachloroethene	Ave	0.7518	0.6662		8.86	10.0	-11.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8204	0.7258		8.85	10.0	-11.5	30.0
Dibromochloromethane	Ave	0.9437	0.8633		9.15	10.0	-8.5	30.0
1,2-Dibromoethane	Ave	0.8383	0.7722		9.21	10.0	-7.9	30.0
Chlorobenzene	Ave	1.216	1.106		9.09	10.0	-9.1	30.0
Ethylbenzene	Ave	1.988	1.819		9.15	10.0	-8.5	30.0
m,p-Xylene	Ave	0.7505	0.6872		18.3	20.0	-8.4	30.0
n-Nonane	Ave	0.9464	0.8579		9.06	10.0	-9.3	30.0
o-Xylene	Ave	0.7250	0.6626		9.14	10.0	-8.6	30.0
Styrene	Ave	1.179	1.093		9.27	10.0	-7.3	30.0
Bromoform	Ave	0.8834	0.8172		9.25	10.0	-7.5	30.0
Cumene	Ave	2.151	1.980		9.20	10.0	-7.9	30.0
1,1,2,2-Tetrachloroethane	Ave	1.167	1.119		9.58	10.0	-4.2	30.0
1,2,3-Trichloropropane	Ave	0.9157	0.8433		9.21	10.0	-7.9	30.0
n-Propylbenzene	Ave	2.585	2.459		9.51	10.0	-4.8	30.0
2-Chlorotoluene	Ave	1.713	1.526		8.90	10.0	-10.9	30.0
4-Ethyltoluene	Ave	2.072	1.959		9.45	10.0	-5.5	30.0
1,3,5-Trimethylbenzene	Ave	1.740	1.619		9.30	10.0	-6.9	30.0
n-Decane	Ave	1.130	1.061		9.38	10.0	-6.1	30.0
Alpha Methyl Styrene	Ave	0.9054	0.8587		9.48	10.0	-5.2	30.0
tert-Butylbenzene	Ave	1.673	1.544		9.23	10.0	-7.7	30.0
1,2,4-Trimethylbenzene	Ave	1.755	1.624		9.25	10.0	-7.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: CCVIS 200-208689/2 Calibration Date: 09/17/2024 08:03

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 62087_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	2.524	2.392		9.48	10.0	-5.2	30.0
1,3-Dichlorobenzene	Ave	1.206	1.128		9.36	10.0	-6.4	30.0
4-Isopropyltoluene	Ave	2.086	1.967		9.43	10.0	-5.7	30.0
1,4-Dichlorobenzene	Ave	1.204	1.136		9.44	10.0	-5.6	30.0
Benzyl chloride	Ave	1.520	1.558		10.2	10.0	2.5	30.0
n-Butylbenzene	Ave	2.023	1.926		9.52	10.0	-4.8	30.0
1,2-Dichlorobenzene	Ave	1.145	1.071		9.35	10.0	-6.5	30.0
n-Undecane	Ave	1.137	1.066		9.37	10.0	-6.3	30.0
n-Dodecane	Ave	1.041	0.9608		9.23	10.0	-7.7	30.0
1,2,4-Trichlorobenzene	Ave	0.9271	0.6947		8.79	11.7	-25.1	30.0
Hexachlorobutadiene	Ave	0.8274	0.6071		8.25	11.2	-26.6	30.0
Naphthalene	Ave	1.654	1.582		11.4	11.9	-4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.8446	0.6193		8.54	11.6	-26.7	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_002.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Sep-2024 08:03:46 ALS Bottle#: 0 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-002
Operator ID: vtp Instrument ID: CHAM.i
Sublist: chrom-TO15_TO3_Master_Method_AM1*sub1

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Sep-2024 12:03:06 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1679

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.316	4.316	0.000	98	376020	10.0	11.5	
2 Dichlorodifluoromethane	85	4.417	4.417	0.000	99	1430295	10.0	10.0	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	97	820491	10.0	10.8	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.792	4.792	0.000	96	1509256	10.0	10.2	
5 Chloromethane	50	4.915	4.915	0.000	99	476257	10.0	11.5	
11 BFB									
7 Butane	43	5.214	5.214	0.000	97	527548	10.0	7.81	
6 Vinyl chloride	62	5.220	5.220	0.000	99	409618	10.0	7.78	
8 Butadiene	54	5.337	5.337	0.000	91	318539	10.0	7.85	
9 Bromomethane	94	6.086	6.086	0.000	99	538878	10.0	9.85	
10 Chloroethane	64	6.359	6.359	0.000	99	307792	10.0	10.8	
12 2-Methylbutane	43	6.568	6.568	0.000	93	623422	10.0	10.6	
13 Vinyl bromide	106	6.792	6.792	0.000	99	514141	10.0	9.30	
14 Trichlorofluoromethane	101	6.953	6.953	0.000	99	1332161	10.0	8.74	
15 Pentane	43	7.162	7.162	0.000	96	919872	10.0	10.2	
16 Ethanol	45	7.360	7.360	0.000	97	300652	15.0	15.0	
18 Ethyl ether	59	7.584	7.584	0.000	92	386237	10.0	9.80	
19 Acrolein	56	7.846	7.846	0.000	95	234304	11.7	9.87	
20 1,1-Dichloroethene	96	8.034	8.034	0.000	98	540672	10.0	8.90	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	96	1130414	10.0	8.85	
22 Acetone	43	8.125	8.125	0.000	97	738382	10.0	9.46	
23 Isopropyl alcohol	45	8.435	8.435	0.000	100	931018	11.6	10.4	
24 Carbon disulfide	76	8.440	8.440	0.000	99	1568623	10.0	9.41	
25 Acetonitrile	41	8.654	8.654	0.000	99	361193	10.0	9.18	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	96	607278	10.0	8.46	
27 Methylene Chloride	49	8.986	8.986	0.000	91	555184	10.0	8.72	
28 2-Methyl-2-propanol	59	9.216	9.216	0.000	100	933915	10.0	9.09	
29 Acrylonitrile	53	9.409	9.409	0.000	95	370736	10.0	9.10	
30 trans-1,2-Dichloroethene	61	9.483	9.483	0.000	99	718885	10.0	8.36	
31 Methyl tert-butyl ether	73	9.483	9.483	0.000	97	1392816	10.0	8.79	
32 Hexane	57	9.992	9.992	0.000	92	766304	10.0	8.52	
S 35 1,2-Dichloroethene, Total	61				0		20.0	16.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.270	10.270	0.000	100	916809	10.0	8.38	
34 Vinyl acetate	43	10.275	10.275	0.000	100	1183971	11.4	9.03	
36 2-Butanone (MEK)	72	11.260	11.260	0.000	98	263310	10.0	8.95	
37 cis-1,2-Dichloroethene	96	11.281	11.281	0.000	93	570505	10.0	8.53	
38 Ethyl acetate	88	11.329	11.329	0.000	99	46721	10.0	9.11	
* 39 Chlorobromomethane	128	11.693	11.693	0.000	88	331659	10.0	10.0	
40 Tetrahydrofuran	42	11.730	11.730	0.000	90	519453	10.0	8.76	
41 Chloroform	83	11.875	11.875	0.000	96	1083459	10.0	8.45	
42 1,1,1-Trichloroethane	97	12.174	12.174	0.000	98	1044295	10.0	8.31	
43 Cyclohexane	84	12.303	12.303	0.000	98	693701	10.0	8.88	
44 Carbon tetrachloride	117	12.447	12.447	0.000	98	1070717	10.0	8.28	
45 Benzene	78	12.806	12.806	0.000	95	1624615	10.0	8.85	
46 1,2-Dichloroethane	62	12.891	12.891	0.000	93	659919	10.0	8.13	
47 Isooctane	57	13.009	13.009	0.000	99	2476279	10.0	8.69	
48 n-Heptane	43	13.319	13.319	0.000	91	856348	10.0	8.29	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	94	1588614	10.0	10.0	
50 n-Butanol	56	13.795	13.795	0.000	87	335434	10.0	8.89	
51 Trichloroethene	95	13.977	13.977	0.000	97	722827	10.0	8.44	
A 52 GRO	1	14.279	(6.558-22.001)		0	226571668	649.9	0	
53 1,2-Dichloropropane	63	14.448	14.448	0.000	93	608526	10.0	8.80	
54 Methyl methacrylate	69	14.528	14.528	0.000	99	578838	10.0	9.07	
55 1,4-Dioxane	88	14.576	14.576	0.000	93	320414	10.0	9.15	
57 Dibromomethane	174	14.603	14.603	0.000	97	648143	10.0	8.77	
58 Dichlorobromomethane	83	14.919	14.919	0.000	98	1172451	10.0	8.62	
A 60 TVOC as Toluene	1	15.662	(4.306-27.019)		0	342880460	899.8	0	
59 cis-1,3-Dichloropropene	75	15.721	15.721	0.000	91	1027352	10.0	8.84	
61 4-Methyl-2-pentanone (MIBK)	43	15.989	15.989	0.000	96	1072005	10.0	8.51	
62 Toluene	92	16.358	16.358	0.000	94	1150948	10.0	9.14	
A 63 Toluene Range	1	16.361	(16.283-16.438)		0	4556225	NC	NC	
A 65 C8 Range	1	16.588	(16.508-16.668)		0	4782275	NC	NC	
64 n-Octane	43	16.588	16.588	0.000	91	1194417	10.0	8.41	
66 trans-1,3-Dichloropropene	75	16.781	16.781	0.000	96	803560	10.0	8.72	
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	96	601978	10.0	9.32	
68 Tetrachloroethene	166	17.342	17.342	0.000	98	927769	10.0	8.86	
69 2-Hexanone	43	17.572	17.572	0.000	96	1010729	10.0	8.85	
70 Chlorodibromomethane	129	17.899	17.899	0.000	98	1202119	10.0	9.15	
71 Ethylene Dibromide	107	18.134	18.134	0.000	98	1075257	10.0	9.21	
* 73 Chlorobenzene-d5	117	19.043	19.043	0.000	86	1392805	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	94	1539941	10.0	9.09	
75 Ethylbenzene	91	19.290	19.290	0.000	98	2532815	10.0	9.15	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	1913945	20.0	18.3	
77 n-Nonane	57	19.600	19.600	0.000	87	1194689	10.0	9.06	
S 80 Xylenes, Total	106				0		30.0	27.4	
78 o-Xylene	106	20.322	20.322	0.000	99	922711	10.0	9.14	
79 Styrene	104	20.354	20.354	0.000	99	1522120	10.0	9.27	
81 Bromoform	173	20.697	20.697	0.000	96	1137965	10.0	9.25	
82 Isopropylbenzene	105	20.991	20.991	0.000	98	2757124	10.0	9.20	
83 1,1,2,2-Tetrachloroethane	83	21.510	21.510	0.000	98	1557732	10.0	9.58	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	1174393	10.0	9.21	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	3424725	10.0	9.51	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	2124854	10.0	8.90	
87 4-Ethyltoluene	105	21.879	21.879	0.000	98	2727501	10.0	9.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	93	2254647	10.0	9.30	
89 n-Decane	57	21.991	21.991	0.000	92	1477579	10.0	9.38	
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	88	1195776	10.0	9.48	
91 tert-Butylbenzene	119	22.446	22.446	0.000	93	2150495	10.0	9.23	
92 1,2,4-Trimethylbenzene	105	22.532	22.532	0.000	98	2261621	10.0	9.25	
93 sec-Butylbenzene	105	22.767	22.767	0.000	99	3330832	10.0	9.48	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	98	1571437	10.0	9.36	
95 4-Isopropyltoluene	119	22.976	22.976	0.000	97	2738788	10.0	9.43	
96 1,4-Dichlorobenzene	146	23.083	23.083	0.000	96	1582252	10.0	9.44	
97 Benzyl chloride	91	23.238	23.238	0.000	99	2170257	10.0	10.2	
98 n-Butylbenzene	91	23.543	23.543	0.000	99	2682513	10.0	9.52	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	96	1491379	10.0	9.35	
100 Undecane	57	23.682	23.682	0.000	94	1483951	10.0	9.37	
101 Dodecane	57	25.297	25.297	0.000	98	1337970	10.0	9.23	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	1134729	11.7	8.79	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	950230	11.2	8.25	
104 Naphthalene	128	26.581	26.581	0.000	99	2619505	11.9	11.4	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	95	1004629	11.6	8.54	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00829	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

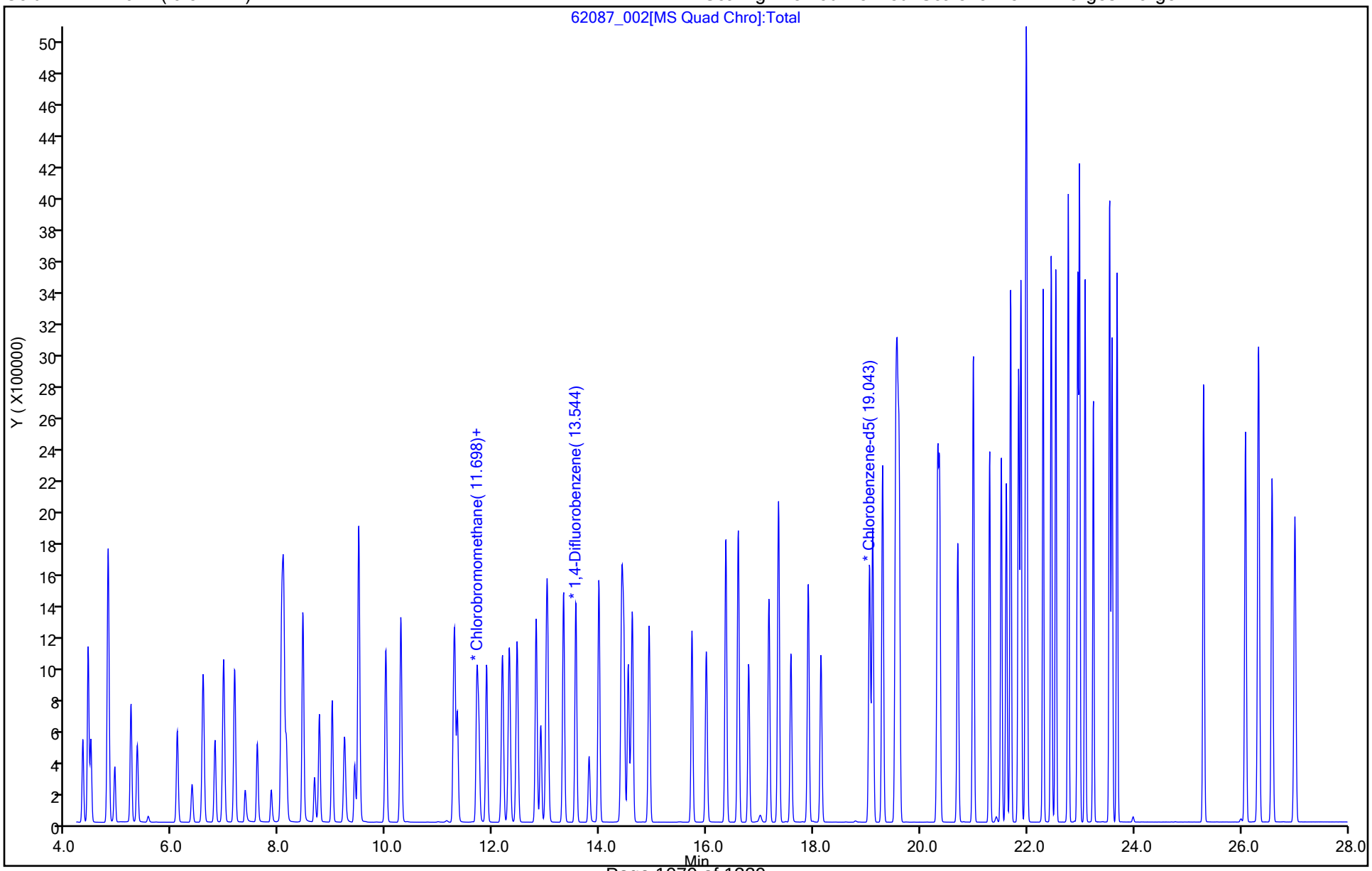
Report Date: 17-Sep-2024 12:03:07 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_002.D

Injection Date:	17-Sep-2024 08:03:46	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: ICV 200-207901/18 Calibration Date: 08/23/2024 06:12

Instrument ID: CHW.i Calib Start Date: 08/22/2024 17:26

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/23/2024 03:28

Lab File ID: 61759-18.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7997	0.8947		11.2	10.0	11.9	30.0
Dichlorodifluoromethane	Ave	3.050	3.460		11.3	10.0	13.4	30.0
Chlorodifluoromethane	Ave	1.713	1.900		11.1	10.0	10.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.275	3.555		10.9	10.0	8.5	30.0
Chloromethane	Ave	0.9175	1.018		11.1	10.0	10.9	30.0
Vinyl chloride	Ave	1.304	1.375		10.5	10.0	5.4	30.0
n-Butane	Ave	1.754	1.926		11.0	10.0	9.8	30.0
1,3-Butadiene	Ave	1.008	1.024		10.2	10.0	1.6	30.0
Bromomethane	Ave	1.172	1.279		10.9	10.0	9.1	30.0
Chloroethane	Ave	0.5994	0.6738		11.2	10.0	12.4	30.0
Isopentane	Ave	1.263	1.352		10.7	10.0	7.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.194	1.340		11.2	10.0	12.2	30.0
Trichlorofluoromethane	Ave	3.214	3.512		10.9	10.0	9.3	30.0
n-Pentane	Ave	1.860	2.024		10.9	10.0	8.8	30.0
Ethanol	Ave	0.4277	0.4600		16.1	15.0	7.6	30.0
Ethyl ether	Ave	0.7983	0.8751		11.0	10.0	9.6	30.0
Acrolein	Ave	0.3974	0.4670		11.8	10.0	17.5	30.0
1,1-Dichloroethene	Ave	1.354	1.396		10.3	10.0	3.1	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.824	2.957		10.5	10.0	4.7	30.0
Acetone	Ave	1.686	1.847		10.9	10.0	9.5	30.0
Isopropyl alcohol	Ave	1.648	1.975		12.0	10.0	19.8	30.0
Carbon disulfide	Ave	3.322	3.594		10.8	10.0	8.2	30.0
Acetonitrile	Ave	0.7331	0.6910		9.42	10.0	-5.7	30.0
3-Chloropropene	Ave	1.523	1.303		8.56	10.0	-14.4	30.0
Methylene Chloride	Ave	1.301	1.377		10.6	10.0	5.8	30.0
tert-Butyl alcohol	Ave	2.352	2.571		10.9	10.0	9.3	30.0
Acrylonitrile	Ave	0.7461	0.7922		10.6	10.0	6.2	30.0
trans-1,2-Dichloroethene	Ave	1.684	1.870		11.1	10.0	11.0	30.0
Methyl tert-butyl ether	Ave	3.647	4.019		11.0	10.0	10.2	30.0
n-Hexane	Ave	1.908	2.056		10.8	10.0	7.8	30.0
1,1-Dichloroethane	Ave	2.279	2.368		10.4	10.0	3.9	30.0
Vinyl acetate	Ave	1.432	1.636		11.4	10.0	14.2	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.6402	0.7021		11.0	10.0	9.7	30.0
cis-1,2-Dichloroethene	Ave	1.515	1.544		10.2	10.0	2.0	30.0
Ethyl acetate	Ave	0.1259	0.1422		11.3	10.0	13.0	30.0
Tetrahydrofuran	Ave	0.2471	0.2623		10.6	10.0	6.1	30.0
Chloroform	Ave	2.721	2.927		10.8	10.0	7.6	30.0
1,1,1-Trichloroethane	Ave	0.5455	0.5963		10.9	10.0	9.3	30.0
Cyclohexane	Ave	0.3676	0.4003		10.9	10.0	8.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: ICV 200-207901/18 Calibration Date: 08/23/2024 06:12

Instrument ID: CHW.i Calib Start Date: 08/22/2024 17:26

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/23/2024 03:28

Lab File ID: 61759-18.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.5588	0.6293		11.3	10.0	12.6	30.0
Benzene	Ave	0.8023	0.8738		10.9	10.0	8.9	30.0
1,2-Dichloroethane	Ave	0.3351	0.3693		11.0	10.0	10.2	30.0
2,2,4-Trimethylpentane	Ave	1.182	1.311		11.1	10.0	10.9	30.0
n-Heptane	Ave	0.4117	0.4524		11.0	10.0	9.9	30.0
n-Butanol	Ave	0.1602	0.1529		9.54	10.0	-4.6	30.0
Trichloroethene	Ave	0.3758	0.4224		11.2	10.0	12.4	30.0
1,2-Dichloropropane	Ave	0.2790	0.3087		11.1	10.0	10.7	30.0
Methyl methacrylate	Ave	0.2727	0.3025		11.1	10.0	10.9	30.0
1,4-Dioxane	Ave	0.1788	0.1815		10.2	10.0	1.5	30.0
Dibromomethane	Ave	0.3982	0.4477		11.2	10.0	12.4	30.0
Bromodichloromethane	Ave	0.5562	0.6226		11.2	10.0	11.9	30.0
cis-1,3-Dichloropropene	Ave	0.4755	0.5351		11.2	10.0	12.5	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.5159	0.5839		11.3	10.0	13.2	30.0
Toluene	Ave	0.6792	0.7413		10.9	10.0	9.1	30.0
n-Octane	Ave	0.5738	0.6338		11.0	10.0	10.4	30.0
trans-1,3-Dichloropropene	Ave	0.3716	0.4611		12.4	10.0	24.1	30.0
1,1,2-Trichloroethane	Ave	0.3085	0.3429		11.1	10.0	11.2	30.0
Tetrachloroethene	Ave	0.6527	0.7066		10.8	10.0	8.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5605	0.5965		10.6	10.0	6.4	30.0
Dibromochloromethane	Ave	0.6623	0.7302		11.0	10.0	10.2	30.0
1,2-Dibromoethane	Ave	0.5885	0.6499		11.0	10.0	10.4	30.0
Chlorobenzene	Ave	0.9594	1.049		10.9	10.0	9.3	30.0
Ethylbenzene	Ave	1.506	1.648		10.9	10.0	9.4	30.0
m,p-Xylene	Ave	0.6119	0.6721		22.0	20.0	9.8	30.0
n-Nonane	Ave	0.6428	0.7153		11.1	10.0	11.3	30.0
o-Xylene	Ave	0.5813	0.6459		11.1	10.0	11.1	30.0
Styrene	Ave	0.9297	1.053		11.3	10.0	13.2	30.0
Bromoform	Ave	0.6495	0.7054		10.9	10.0	8.6	30.0
Cumene	Ave	1.739	1.935		11.1	10.0	11.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7860	0.8291		10.5	10.0	5.5	30.0
1,2,3-Trichloropropane	Ave	0.6300	0.6910		11.0	10.0	9.7	30.0
n-Propylbenzene	Ave	2.012	2.215		11.0	10.0	10.1	30.0
2-Chlorotoluene	Ave	1.405	1.523		10.8	10.0	8.4	30.0
4-Ethyltoluene	Ave	1.699	1.907		11.2	10.0	12.3	30.0
1,3,5-Trimethylbenzene	Ave	1.461	1.625		11.1	10.0	11.2	30.0
n-Decane	Ave	0.8000	0.9215		11.5	10.0	15.2	30.0
Alpha Methyl Styrene	Ave	0.7585	0.8427		11.1	10.0	11.1	30.0
tert-Butylbenzene	Ave	1.466	1.643		11.2	10.0	12.1	30.0
1,2,4-Trimethylbenzene	Ave	1.450	1.603		11.0	10.0	10.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: ICV 200-207901/18 Calibration Date: 08/23/2024 06:12

Instrument ID: CHW.i Calib Start Date: 08/22/2024 17:26

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/23/2024 03:28

Lab File ID: 61759-18.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	2.145	2.410		11.2	10.0	12.4	30.0
1,3-Dichlorobenzene	Ave	1.021	1.110		10.9	10.0	8.7	30.0
4-Isopropyltoluene	Ave	1.892	2.108		11.1	10.0	11.5	30.0
1,4-Dichlorobenzene	Ave	0.9879	1.090		11.0	10.0	10.3	30.0
Benzyl chloride	Ave	1.160	1.180		10.2	10.0	1.8	30.0
n-Butylbenzene	Ave	1.640	1.803		11.0	10.0	10.0	30.0
1,2-Dichlorobenzene	Ave	1.000	1.078		10.8	10.0	7.8	30.0
n-Undecane	Ave	0.9014	0.9766		10.8	10.0	8.3	30.0
n-Dodecane	Ave	0.7529	0.8060		10.7	10.0	7.1	30.0
1,2,4-Trichlorobenzene	Ave	0.6657	0.8049		12.1	10.0	20.9	30.0
Hexachlorobutadiene	Ave	0.7910	0.9718		12.3	10.0	22.9	30.0
Naphthalene	Ave	1.366	1.546		11.3	10.0	13.2	30.0
1,2,3-Trichlorobenzene	Ave	0.6217	0.6376		10.3	10.0	2.5	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-18.d
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 23-Aug-2024 06:12:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061759-018
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Aug-2024 09:48:29 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: BKZ7 Date: 23-Aug-2024 09:37:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.051	4.051	0.000	98	166854	10.0	11.2	
2 Dichlorodifluoromethane	85	4.136	4.136	0.000	99	645219	10.0	11.3	
3 Chlorodifluoromethane	51	4.179	4.179	0.000	97	354287	10.0	11.1	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.479	4.479	0.000	96	662961	10.0	10.9	
5 Chloromethane	50	4.596	4.596	0.000	99	189806	10.0	11.1	
6 Vinyl chloride	62	4.901	4.901	0.000	100	256462	10.0	10.5	
7 Butane	43	4.907	4.907	0.000	98	359174	10.0	11.0	
8 Butadiene	54	5.019	5.019	0.000	91	190939	10.0	10.2	
9 Bromomethane	94	5.762	5.762	0.000	99	238480	10.0	10.9	
11 BFB									
10 Chloroethane	64	6.057	6.057	0.000	100	125654	10.0	11.2	
12 2-Methylbutane	43	6.292	6.292	0.000	92	252072	10.0	10.7	
13 Vinyl bromide	106	6.527	6.527	0.000	99	249919	10.0	11.2	
14 Trichlorofluoromethane	101	6.715	6.715	0.000	99	654967	10.0	10.9	
15 Pentane	43	6.955	6.955	0.000	96	377430	10.0	10.9	
16 Ethanol	45	7.137	7.137	0.000	98	128736	15.0	16.1	
18 Ethyl ether	59	7.437	7.437	0.000	89	163200	10.0	11.0	
19 Acrolein	56	7.715	7.715	0.000	96	87102	10.0	11.8	
20 1,1-Dichloroethene	96	7.956	7.956	0.000	97	260267	10.0	10.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.004	8.004	0.000	96	551410	10.0	10.5	
22 Acetone	43	8.041	8.041	0.000	98	344391	10.0	10.9	
23 Isopropyl alcohol	45	8.400	8.400	0.000	100	368304	10.0	12.0	
24 Carbon disulfide	76	8.448	8.448	0.000	99	670197	10.0	10.8	
25 Acetonitrile	41	8.635	8.635	0.000	99	128871	10.0	9.42	
26 3-Chloro-1-propene	41	8.790	8.790	0.000	99	242998	10.0	8.56	
27 Methylene Chloride	49	9.069	9.069	0.000	93	256778	10.0	10.6	
28 2-Methyl-2-propanol	59	9.331	9.331	0.000	99	479482	10.0	10.9	
29 Acrylonitrile	53	9.539	9.539	0.000	94	147741	10.0	10.6	
30 trans-1,2-Dichloroethene	61	9.673	9.673	0.000	96	348655	10.0	11.1	
31 Methyl tert-butyl ether	73	9.684	9.684	0.000	96	749569	10.0	11.0	
S 35 1,2-Dichloroethene, Total	61				0		20.0	21.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	10.283	10.283	0.000	92	383494	10.0	10.8	
33 1,1-Dichloroethane	63	10.577	10.577	0.000	100	441662	10.0	10.4	
34 Vinyl acetate	43	10.588	10.588	0.000	99	305036	10.0	11.4	
36 2-Butanone (MEK)	72	11.685	11.685	0.000	98	130938	10.0	11.0	
37 cis-1,2-Dichloroethene	96	11.717	11.717	0.000	90	288011	10.0	10.2	
38 Ethyl acetate	88	11.776	11.776	0.000	100	26522	10.0	11.3	
* 39 Chlorobromomethane	128	12.177	12.177	0.000	82	186531	10.0	10.0	
40 Tetrahydrofuran	42	12.241	12.241	0.000	90	253592	10.0	10.6	
41 Chloroform	83	12.369	12.369	0.000	96	545883	10.0	10.8	
42 1,1,1-Trichloroethane	97	12.722	12.722	0.000	98	576592	10.0	10.9	
43 Cyclohexane	84	12.883	12.883	0.000	95	387101	10.0	10.9	
44 Carbon tetrachloride	117	13.033	13.033	0.000	98	608516	10.0	11.3	
45 Benzene	78	13.407	13.407	0.000	95	844922	10.0	10.9	
46 1,2-Dichloroethane	62	13.482	13.482	0.000	92	357131	10.0	11.0	
47 Isooctane	57	13.637	13.637	0.000	99	1267690	10.0	11.1	
48 n-Heptane	43	13.964	13.964	0.000	89	437478	10.0	11.0	
* 49 1,4-Difluorobenzene	114	14.194	14.194	0.000	93	967139	10.0	10.0	
50 n-Butanol	56	14.418	14.418	0.000	88	147802	10.0	9.54	
A 52 GRO	1	14.480	(6.282-22.678)		0	124070075	649.9	0	
51 Trichloroethene	95	14.664	14.664	0.000	98	408474	10.0	11.2	
53 1,2-Dichloropropane	63	15.146	15.146	0.000	92	298526	10.0	11.1	
54 Methyl methacrylate	69	15.221	15.221	0.000	98	292505	10.0	11.1	
55 1,4-Dioxane	88	15.290	15.290	0.000	90	175507	10.0	10.2	
57 Dibromomethane	174	15.317	15.317	0.000	91	432874	10.0	11.2	
58 Dichlorobromomethane	83	15.633	15.633	0.000	99	601987	10.0	11.2	
A 60 TVOC as Toluene	1	16.058	(4.041-28.075)		0	191260477	899.8	0	
59 cis-1,3-Dichloropropene	75	16.473	16.473	0.000	93	517380	10.0	11.2	
61 4-Methyl-2-pentanone (MIBK)	43	16.735	16.735	0.000	96	564621	10.0	11.3	
62 Toluene	92	17.147	17.147	0.000	93	643132	10.0	10.9	
A 63 Toluene Range	1	17.168	(17.077-17.259)		0	2535792	NC	NC	
64 n-Octane	43	17.387	17.387	0.000	88	612810	10.0	11.0	
A 65 C8 Range	1	17.409	(17.312-17.559)		0	2605397	NC	NC	
66 trans-1,3-Dichloropropene	75	17.559	17.559	0.000	98	445823	10.0	12.4	
67 1,1,2-Trichloroethane	83	17.954	17.954	0.000	96	297495	10.0	11.1	
68 Tetrachloroethene	166	18.184	18.184	0.000	97	613044	10.0	10.8	
69 2-Hexanone	43	18.361	18.361	0.000	96	517507	10.0	10.6	
70 Chlorodibromomethane	129	18.725	18.725	0.000	98	633522	10.0	11.0	
71 Ethylene Dibromide	107	18.982	18.982	0.000	100	563849	10.0	11.0	
* 73 Chlorobenzene-d5	117	19.912	19.912	0.000	84	867788	10.0	10.0	
74 Chlorobenzene	112	19.971	19.971	0.000	96	909818	10.0	10.9	
S 80 Xylenes, Total	106				0		30.0	33.1	
75 Ethylbenzene	91	20.153	20.153	0.000	98	1429581	10.0	10.9	
76 m-Xylene & p-Xylene	106	20.405	20.405	0.000	0	1166267	20.0	22.0	
77 n-Nonane	57	20.442	20.442	0.000	88	620633	10.0	11.1	
78 o-Xylene	106	21.116	21.116	0.000	99	560366	10.0	11.1	
79 Styrene	104	21.148	21.148	0.000	98	913177	10.0	11.3	
81 Bromoform	173	21.469	21.469	0.000	98	612018	10.0	10.9	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	1678421	10.0	11.1	
83 1,1,2,2-Tetrachloroethane	83	22.197	22.197	0.000	99	719373	10.0	10.5	
84 1,2,3-Trichloropropane	75	22.298	22.298	0.000	97	599507	10.0	11.0	
85 N-Propylbenzene	91	22.395	22.395	0.000	100	1922153	10.0	11.0	
86 2-Chlorotoluene	91	22.544	22.544	0.000	96	1321208	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	1654724	10.0	11.2	
88 1,3,5-Trimethylbenzene	105	22.657	22.657	0.000	94	1409651	10.0	11.1	
89 n-Decane	57	22.668	22.668	0.000	93	799508	10.0	11.5	
90 Alpha Methyl Styrene	118	22.972	22.972	0.000	90	731112	10.0	11.1	
91 tert-Butylbenzene	119	23.122	23.122	0.000	95	1425445	10.0	11.2	
92 1,2,4-Trimethylbenzene	105	23.203	23.203	0.000	97	1390371	10.0	11.0	
93 sec-Butylbenzene	105	23.438	23.438	0.000	99	2090853	10.0	11.2	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	96	962990	10.0	10.9	
95 4-Isopropyltoluene	119	23.652	23.652	0.000	98	1829340	10.0	11.1	
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	96	945382	10.0	11.0	
97 Benzyl chloride	91	23.930	23.930	0.000	100	1024176	10.0	10.2	
98 n-Butylbenzene	91	24.256	24.256	0.000	98	1564160	10.0	11.0	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	98	935299	10.0	10.8	
100 Undecane	57	24.385	24.385	0.000	93	847276	10.0	10.8	
101 Dodecane	57	26.134	26.134	0.000	96	699344	10.0	10.7	
102 1,2,4-Trichlorobenzene	180	27.033	27.033	0.000	93	698318	10.0	12.1	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	97	843140	10.0	12.3	
104 Naphthalene	128	27.589	27.589	0.000	99	1341612	10.0	11.3	
105 1,2,3-Trichlorobenzene	180	28.065	28.065	0.000	95	553186	10.0	10.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00879	Amount Added: 200.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

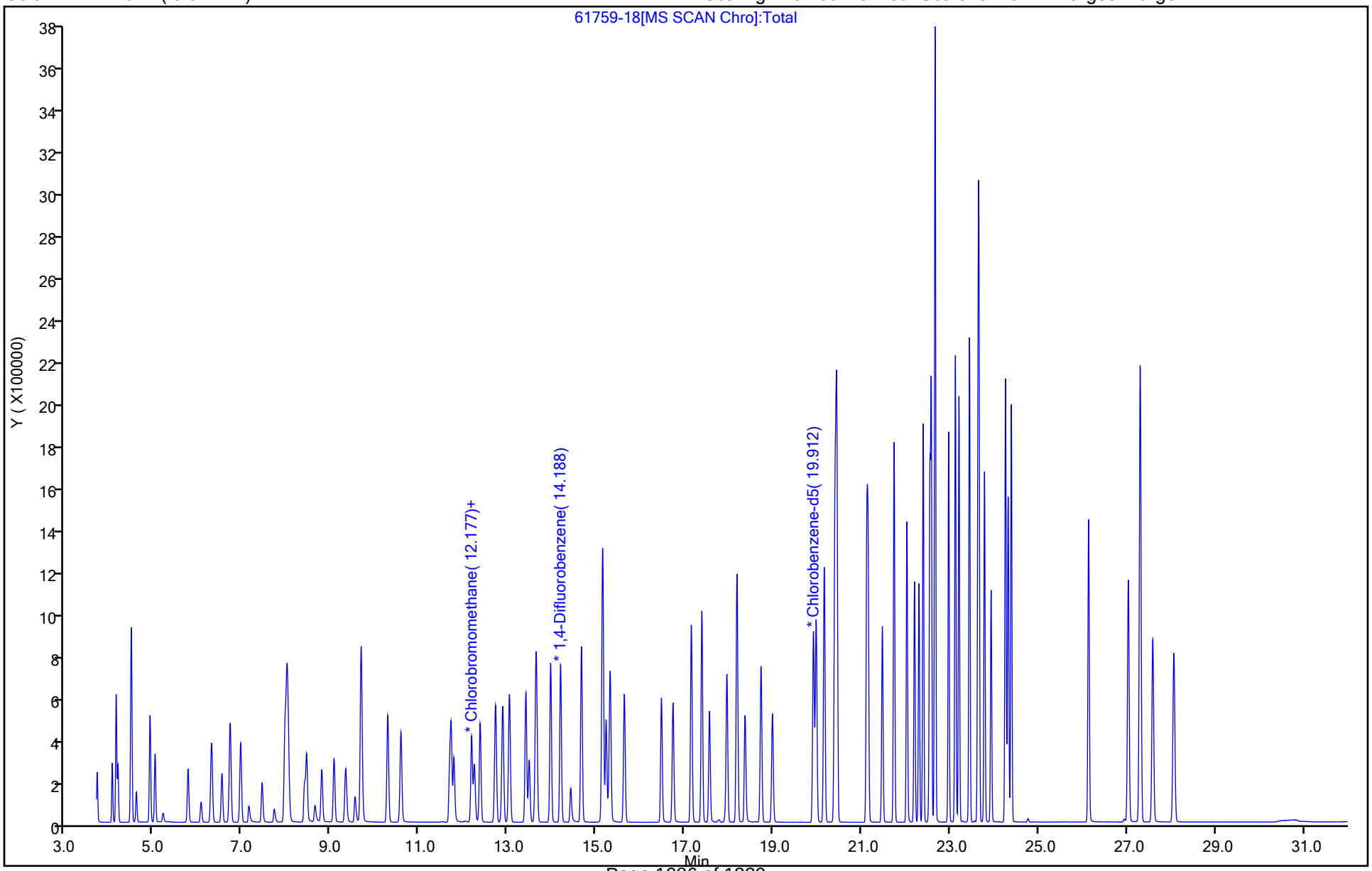
Report Date: 23-Aug-2024 09:48:30 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-18.d

Injection Date:	23-Aug-2024 06:12:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	icv			Worklist Smp#:	18
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: CCVIS 200-208690/2 Calibration Date: 09/17/2024 08:18

Instrument ID: CHW.i Calib Start Date: 08/22/2024 17:26

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/23/2024 03:28

Lab File ID: 62088-02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7997	0.8819		11.0	10.0	10.3	30.0
Dichlorodifluoromethane	Ave	3.050	2.905		9.52	10.0	-4.8	30.0
Chlorodifluoromethane	Ave	1.713	1.834		10.7	10.0	7.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.275	3.272		9.99	10.0	-0.1	30.0
Chloromethane	Ave	0.9175	1.018		11.1	10.0	10.9	30.0
Vinyl chloride	Ave	1.304	1.478		11.3	10.0	13.3	30.0
n-Butane	Ave	1.754	2.160		12.3	10.0	23.2	30.0
1,3-Butadiene	Ave	1.008	1.101		10.9	10.0	9.2	30.0
Bromomethane	Ave	1.172	1.140		9.73	10.0	-2.7	30.0
Chloroethane	Ave	0.5994	0.6347		10.6	10.0	5.9	30.0
Isopentane	Ave	1.263	1.292		10.2	10.0	2.3	30.0
Bromoethene(Vinyl Bromide)	Ave	1.194	1.131		9.47	10.0	-5.3	30.0
Trichlorofluoromethane	Ave	3.214	2.954		9.19	10.0	-8.1	30.0
n-Pentane	Ave	1.860	1.984		10.7	10.0	6.6	30.0
Ethanol	Ave	0.4277	0.4875		17.1	15.0	14.0	30.0
Ethyl ether	Ave	0.7983	0.8128		10.2	10.0	1.8	30.0
Acrolein	Ave	0.3974	0.4097		12.1	11.7	3.1	30.0
1,1-Dichloroethene	Ave	1.354	1.253		9.26	10.0	-7.4	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.824	2.706		9.58	10.0	-4.2	30.0
Acetone	Ave	1.686	1.786		10.6	10.0	5.9	30.0
Isopropyl alcohol	Ave	1.648	1.668		11.7	11.6	1.2	30.0
Carbon disulfide	Ave	3.322	3.499		10.5	10.0	5.4	30.0
Acetonitrile	Ave	0.7331	0.8059		11.0	10.0	9.9	30.0
3-Chloropropene	Ave	1.523	1.446		9.50	10.0	-5.0	30.0
Methylene Chloride	Ave	1.301	1.382		10.6	10.0	6.2	30.0
tert-Butyl alcohol	Ave	2.352	2.297		9.76	10.0	-2.4	30.0
Acrylonitrile	Ave	0.7461	0.8049		10.8	10.0	7.9	30.0
trans-1,2-Dichloroethene	Ave	1.684	1.726		10.3	10.0	2.5	30.0
Methyl tert-butyl ether	Ave	3.647	3.486		9.56	10.0	-4.4	30.0
n-Hexane	Ave	1.908	1.959		10.3	10.0	2.7	30.0
1,1-Dichloroethane	Ave	2.279	2.304		10.1	10.0	1.1	30.0
Vinyl acetate	Ave	1.432	1.519		12.1	11.4	6.1	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.6402	0.6536		10.2	10.0	2.1	30.0
cis-1,2-Dichloroethene	Ave	1.515	1.427		9.42	10.0	-5.8	30.0
Ethyl acetate	Ave	0.1259	0.1204		9.56	10.0	-4.3	30.0
Tetrahydrofuran	Ave	0.2471	0.2595		10.5	10.0	5.0	30.0
Chloroform	Ave	2.721	2.625		9.65	10.0	-3.5	30.0
1,1,1-Trichloroethane	Ave	0.5455	0.5054		9.26	10.0	-7.3	30.0
Cyclohexane	Ave	0.3676	0.3581		9.74	10.0	-2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: CCVIS 200-208690/2 Calibration Date: 09/17/2024 08:18

Instrument ID: CHW.i Calib Start Date: 08/22/2024 17:26

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/23/2024 03:28

Lab File ID: 62088-02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.5588	0.5248		9.39	10.0	-6.1	30.0
Benzene	Ave	0.8023	0.8022		10.0	10.0	-0.0	30.0
1,2-Dichloroethane	Ave	0.3351	0.3290		9.81	10.0	-1.8	30.0
2,2,4-Trimethylpentane	Ave	1.182	1.250		10.6	10.0	5.7	30.0
n-Heptane	Ave	0.4117	0.4368		10.6	10.0	6.1	30.0
n-Butanol	Ave	0.1602	0.1629		10.2	10.0	1.7	30.0
Trichloroethene	Ave	0.3758	0.3560		9.47	10.0	-5.3	30.0
1,2-Dichloropropane	Ave	0.2790	0.2990		10.7	10.0	7.2	30.0
Methyl methacrylate	Ave	0.2727	0.2847		10.4	10.0	4.4	30.0
1,4-Dioxane	Ave	0.1788	0.1692		9.46	10.0	-5.3	30.0
Dibromomethane	Ave	0.3982	0.3552		8.92	10.0	-10.8	30.0
Bromodichloromethane	Ave	0.5562	0.5558		9.99	10.0	-0.0	30.0
cis-1,3-Dichloropropene	Ave	0.4755	0.4749		9.98	10.0	-0.1	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	0.5159	0.5506		10.7	10.0	6.7	30.0
Toluene	Ave	0.6792	0.6663		9.81	10.0	-1.9	30.0
n-Octane	Ave	0.5738	0.6284		10.9	10.0	9.5	30.0
trans-1,3-Dichloropropene	Ave	0.3716	0.3802		10.2	10.0	2.3	30.0
1,1,2-Trichloroethane	Ave	0.3085	0.3177		10.3	10.0	3.0	30.0
Tetrachloroethene	Ave	0.6527	0.5716		8.76	10.0	-12.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5605	0.5839		10.4	10.0	4.2	30.0
Dibromochloromethane	Ave	0.6623	0.6534		9.86	10.0	-1.4	30.0
1,2-Dibromoethane	Ave	0.5885	0.5670		9.63	10.0	-3.7	30.0
Chlorobenzene	Ave	0.9594	0.9220		9.61	10.0	-3.9	30.0
Ethylbenzene	Ave	1.506	1.487		9.87	10.0	-1.2	30.0
m,p-Xylene	Ave	0.6119	0.6041		19.7	20.0	-1.3	30.0
n-Nonane	Ave	0.6428	0.7114		11.1	10.0	10.7	30.0
o-Xylene	Ave	0.5813	0.5615		9.66	10.0	-3.4	30.0
Styrene	Ave	0.9297	0.9282		9.98	10.0	-0.2	30.0
Bromoform	Ave	0.6495	0.6458		9.94	10.0	-0.6	30.0
Cumene	Ave	1.739	1.690		9.72	10.0	-2.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7860	0.8281		10.5	10.0	5.4	30.0
1,2,3-Trichloropropane	Ave	0.6300	0.6545		10.4	10.0	3.9	30.0
n-Propylbenzene	Ave	2.012	2.025		10.1	10.0	0.7	30.0
2-Chlorotoluene	Ave	1.405	1.381		9.83	10.0	-1.7	30.0
4-Ethyltoluene	Ave	1.699	1.694		9.97	10.0	-0.3	30.0
1,3,5-Trimethylbenzene	Ave	1.461	1.430		9.78	10.0	-2.2	30.0
n-Decane	Ave	0.8000	0.8904		11.1	10.0	11.3	30.0
Alpha Methyl Styrene	Ave	0.7585	0.7275		9.59	10.0	-4.1	30.0
tert-Butylbenzene	Ave	1.466	1.397		9.53	10.0	-4.7	30.0
1,2,4-Trimethylbenzene	Ave	1.450	1.427		9.84	10.0	-1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Lab Sample ID: CCVIS 200-208690/2 Calibration Date: 09/17/2024 08:18

Instrument ID: CHW.i Calib Start Date: 08/22/2024 17:26

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/23/2024 03:28

Lab File ID: 62088-02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	2.145	2.120		9.88	10.0	-1.2	30.0
1,3-Dichlorobenzene	Ave	1.021	0.9650		9.45	10.0	-5.4	30.0
4-Isopropyltoluene	Ave	1.892	1.825		9.64	10.0	-3.5	30.0
1,4-Dichlorobenzene	Ave	0.9879	0.9355		9.47	10.0	-5.3	30.0
Benzyl chloride	Ave	1.160	1.162		10.0	10.0	0.1	30.0
n-Butylbenzene	Ave	1.640	1.632		9.95	10.0	-0.5	30.0
1,2-Dichlorobenzene	Ave	1.000	0.9307		9.31	10.0	-6.9	30.0
n-Undecane	Ave	0.9014	0.8309		9.22	10.0	-7.8	30.0
n-Dodecane	Ave	0.7529	0.5115		6.79	10.0	-32.1*	30.0
1,2,4-Trichlorobenzene	Ave	0.6657	0.4921		8.67	11.7	-26.1	30.0
Hexachlorobutadiene	Ave	0.7910	0.5774		8.20	11.2	-27.0	30.0
Naphthalene	Ave	1.366	1.073		9.34	11.9	-21.4	30.0
1,2,3-Trichlorobenzene	Ave	0.6217	0.4406		8.25	11.6	-29.1	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-02.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Sep-2024 08:18:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062088-002
Operator ID: vtp Instrument ID: CHW.i
Sublist: chrom-TO15_TO3_MasterMethod_W*sub5

Method: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 07:02:09 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: YWL8 Date: 18-Sep-2024 07:02:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.029	4.029	0.000	99	53032	10.0	11.0	
2 Dichlorodifluoromethane	85	4.120	4.120	0.000	99	174675	10.0	9.52	
3 Chlorodifluoromethane	51	4.158	4.158	0.000	97	110315	10.0	10.7	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.457	4.457	0.000	98	196749	10.0	9.99	
5 Chloromethane	50	4.575	4.575	0.000	99	61199	10.0	11.1	
6 Vinyl chloride	62	4.880	4.880	0.000	100	88851	10.0	11.3	
7 Butane	43	4.885	4.885	0.000	98	129883	10.0	12.3	
8 Butadiene	54	4.997	4.997	0.000	92	66208	10.0	10.9	
9 Bromomethane	94	5.746	5.746	0.000	99	68549	10.0	9.73	
10 Chloroethane	64	6.041	6.041	0.000	100	38167	10.0	10.6	
11 BFB									
12 2-Methylbutane	43	6.281	6.281	0.000	94	77666	10.0	10.2	
13 Vinyl bromide	106	6.511	6.511	0.000	99	67988	10.0	9.47	
14 Trichlorofluoromethane	101	6.699	6.699	0.000	99	177640	10.0	9.19	
15 Pentane	43	6.939	6.939	0.000	95	119297	10.0	10.7	
16 Ethanol	45	7.127	7.127	0.000	98	43994	15.0	17.1	
18 Ethyl ether	59	7.421	7.421	0.000	91	48876	10.0	10.2	
19 Acrolein	56	7.699	7.699	0.000	97	28849	11.7	12.1	
20 1,1-Dichloroethene	96	7.940	7.940	0.000	98	75358	10.0	9.26	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.988	7.988	0.000	99	162725	10.0	9.58	
22 Acetone	43	8.031	8.031	0.000	98	107376	10.0	10.6	
23 Isopropyl alcohol	45	8.389	8.389	0.000	100	116228	11.6	11.7	
24 Carbon disulfide	76	8.432	8.432	0.000	99	210442	10.0	10.5	
25 Acetonitrile	41	8.630	8.630	0.000	98	48463	10.0	11.0	
26 3-Chloro-1-propene	41	8.774	8.774	0.000	99	86980	10.0	9.50	
27 Methylene Chloride	49	9.058	9.058	0.000	92	83104	10.0	10.6	
28 2-Methyl-2-propanol	59	9.320	9.320	0.000	98	138103	10.0	9.76	
29 Acrylonitrile	53	9.529	9.529	0.000	94	48405	10.0	10.8	
30 trans-1,2-Dichloroethene	61	9.662	9.662	0.000	98	103809	10.0	10.3	
31 Methyl tert-butyl ether	73	9.673	9.673	0.000	97	209648	10.0	9.56	
S 35 1,2-Dichloroethene, Total	61				0		20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	10.272	10.272	0.000	93	117809	10.0	10.3	
33 1,1-Dichloroethane	63	10.566	10.566	0.000	100	138574	10.0	10.1	
34 Vinyl acetate	43	10.577	10.577	0.000	99	104044	11.4	12.1	
36 2-Butanone (MEK)	72	11.674	11.674	0.000	99	39307	10.0	10.2	
37 cis-1,2-Dichloroethene	96	11.706	11.706	0.000	92	85817	10.0	9.42	
38 Ethyl acetate	88	11.770	11.770	0.000	98	7241	10.0	9.56	
* 39 Chlorobromomethane	128	12.171	12.171	0.000	88	60147	10.0	10.0	s
40 Tetrahydrofuran	42	12.236	12.236	0.000	90	80662	10.0	10.5	
41 Chloroform	83	12.364	12.364	0.000	96	157874	10.0	9.65	
42 1,1,1-Trichloroethane	97	12.712	12.712	0.000	99	157083	10.0	9.26	
43 Cyclohexane	84	12.878	12.878	0.000	97	111279	10.0	9.74	
44 Carbon tetrachloride	117	13.027	13.027	0.000	98	163092	10.0	9.39	
45 Benzene	78	13.402	13.402	0.000	95	249297	10.0	10.0	
46 1,2-Dichloroethane	62	13.477	13.477	0.000	93	102238	10.0	9.81	
47 Isooctane	57	13.632	13.632	0.000	99	388345	10.0	10.6	
48 n-Heptane	43	13.964	13.964	0.000	90	135758	10.0	10.6	
* 49 1,4-Difluorobenzene	114	14.188	14.188	0.000	94	310844	10.0	10.0	s
50 n-Butanol	56	14.418	14.418	0.000	89	50638	10.0	10.2	
A 52 GRO	1	14.474	(6.271-22.678)		0	36291132	649.9	0	
51 Trichloroethene	95	14.659	14.659	0.000	99	110644	10.0	9.47	
53 1,2-Dichloropropane	63	15.140	15.140	0.000	91	92913	10.0	10.7	
54 Methyl methacrylate	69	15.215	15.215	0.000	98	88490	10.0	10.4	
55 1,4-Dioxane	88	15.285	15.285	0.000	92	52591	10.0	9.46	
57 Dibromomethane	174	15.312	15.312	0.000	95	110377	10.0	8.92	
58 Dichlorobromomethane	83	15.627	15.627	0.000	99	172719	10.0	10.0	
A 60 TVOC as Toluene	1	16.042	(4.019-28.065)		0	54470906	899.8	0	
59 cis-1,3-Dichloropropene	75	16.473	16.473	0.000	93	147591	10.0	9.98	
61 4-Methyl-2-pentanone (MIBK)	43	16.729	16.729	0.000	97	171131	10.0	10.7	
62 Toluene	92	17.147	17.147	0.000	95	183350	10.0	9.81	
A 63 Toluene Range	1	17.160	(17.082-17.238)		0	731937	NC	NC	
64 n-Octane	43	17.382	17.382	0.000	90	195298	10.0	10.9	
A 65 C8 Range	1	17.398	(17.318-17.478)		0	800914	NC	NC	
66 trans-1,3-Dichloropropene	75	17.559	17.559	0.000	98	118175	10.0	10.2	
67 1,1,2-Trichloroethane	83	17.949	17.949	0.000	97	87408	10.0	10.3	
68 Tetrachloroethene	166	18.179	18.179	0.000	97	157292	10.0	8.76	
69 2-Hexanone	43	18.361	18.361	0.000	95	160665	10.0	10.4	
70 Chlorodibromomethane	129	18.725	18.725	0.000	98	179786	10.0	9.86	
71 Ethylene Dibromide	107	18.982	18.982	0.000	99	156012	10.0	9.63	
* 73 Chlorobenzene-d5	117	19.912	19.912	0.000	85	275216	10.0	10.0	s
74 Chlorobenzene	112	19.971	19.971	0.000	96	253710	10.0	9.61	
S 80 Xylenes, Total	106				0		30.0	29.4	
75 Ethylbenzene	91	20.153	20.153	0.000	98	409282	10.0	9.87	
76 m-Xylene & p-Xylene	106	20.410	20.410	0.000	0	332438	20.0	19.7	
77 n-Nonane	57	20.442	20.442	0.000	92	195750	10.0	11.1	
78 o-Xylene	106	21.116	21.116	0.000	99	154511	10.0	9.66	
79 Styrene	104	21.148	21.148	0.000	98	255393	10.0	9.98	
81 Bromoform	173	21.469	21.469	0.000	98	177689	10.0	9.94	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	465150	10.0	9.72	
83 1,1,2,2-Tetrachloroethane	83	22.197	22.197	0.000	99	227852	10.0	10.5	
84 1,2,3-Trichloropropane	75	22.298	22.298	0.000	98	180102	10.0	10.4	
85 N-Propylbenzene	91	22.395	22.395	0.000	99	557155	10.0	10.1	
86 2-Chlorotoluene	91	22.544	22.544	0.000	97	379876	10.0	9.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	466071	10.0	9.97	
88 1,3,5-Trimethylbenzene	105	22.657	22.657	0.000	94	393430	10.0	9.78	
89 n-Decane	57	22.668	22.668	0.000	93	245010	10.0	11.1	
90 Alpha Methyl Styrene	118	22.972	22.972	0.000	90	200182	10.0	9.59	
91 tert-Butylbenzene	119	23.122	23.122	0.000	95	384461	10.0	9.53	
92 1,2,4-Trimethylbenzene	105	23.202	23.202	0.000	97	392722	10.0	9.84	
93 sec-Butylbenzene	105	23.438	23.438	0.000	99	583217	10.0	9.88	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	97	265545	10.0	9.45	
95 4-Isopropyltoluene	119	23.652	23.652	0.000	98	502039	10.0	9.64	
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	97	257428	10.0	9.47	
97 Benzyl chloride	91	23.930	23.930	0.000	99	319614	10.0	10.0	
98 n-Butylbenzene	91	24.256	24.256	0.000	98	449104	10.0	9.95	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	97	256084	10.0	9.31	
100 Undecane	57	24.385	24.385	0.000	94	228636	10.0	9.22	
101 Dodecane	57	26.134	26.134	0.000	97	140742	10.0	6.79	
102 1,2,4-Trichlorobenzene	180	27.033	27.033	0.000	94	158847	11.7	8.67	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	97	178572	11.2	8.20	
104 Naphthalene	128	27.584	27.584	0.000	99	351141	11.9	9.34	
105 1,2,3-Trichlorobenzene	180	28.055	28.055	0.000	96	141235	11.6	8.25	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated
ND - Not Detected or Marked ND
s - Failed ISTD Recovery Test

Reagents:

ATTO15CAL4w_00829	Amount Added: 200.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

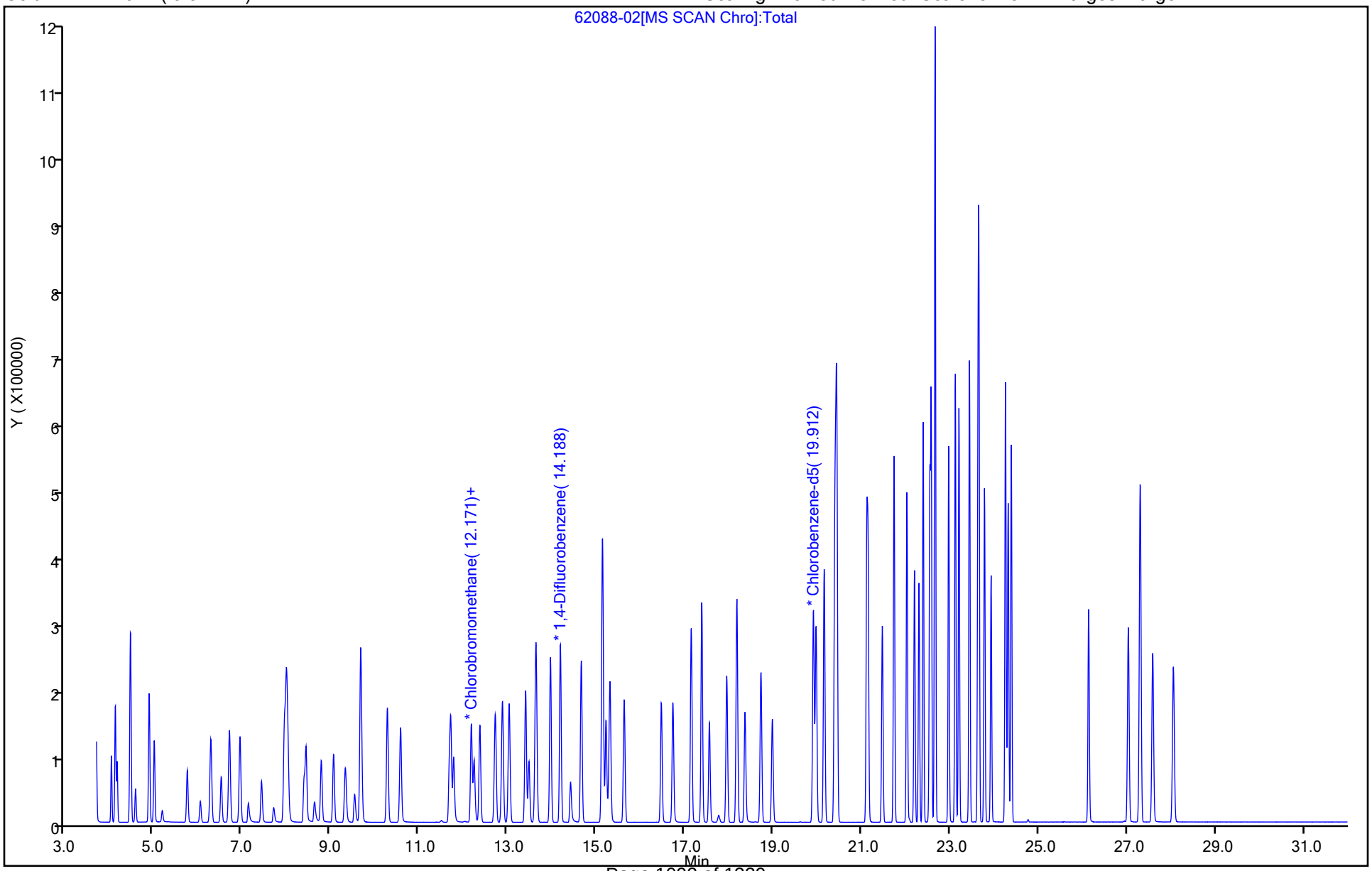
Report Date: 18-Sep-2024 07:02:09 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-02.d

Injection Date:	17-Sep-2024 08:18:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 18-Jun-2024 12:34:42 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0060827-001
Misc. Info.: bfb
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Jun-2024 16:08:25 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: F7XK Date: 19-Jun-2024 15:32:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
11 BFB									
* 39 Chlorobromomethane	128		11.698				10.0	ND	
* 49 1,4-Difluorobenzene	114		13.555				10.0	ND	
* 73 Chlorobenzene-d5	117		19.054				10.0	ND	

QC Flag Legend
Processing Flags

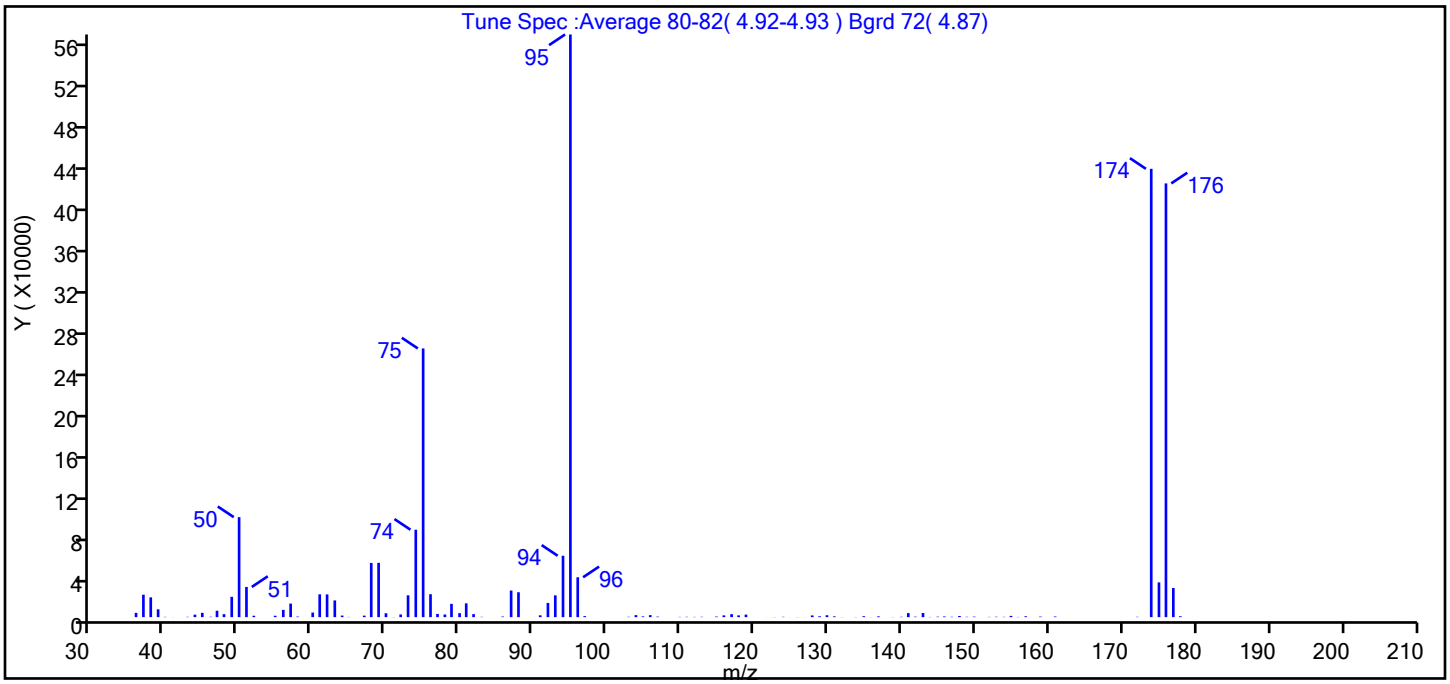
Reagents:
ATTO15AMISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_001.D
Injection Date: 18-Jun-2024 12:34:42 Instrument ID: CHAM.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	17.2
75	30.0 to 66.0 Percent of m/e 95	46.1
96	5.0 to 9.0 Percent of m/e 95	6.8
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	76.9
175	4.0 to 9.0 Percent of m/e 174	6.0 (7.8)
176	93.0 to 101.0 Percent of m/e 174	74.4 (96.8)
177	5.0 to 9.0 Percent of m/e 176	5.0 (6.7)

Report Date: 19-Jun-2024 16:08:25 Chrom Revision: 2.3 20-May-2024 22:00:34

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_001.D\TO15_TO3_Master_Method_A
Injection Date: 18-Jun-2024 12:34:42
Spectrum: Tune Spec :Average 80-82(4.92-4.93) Bgrd 72(4.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 109

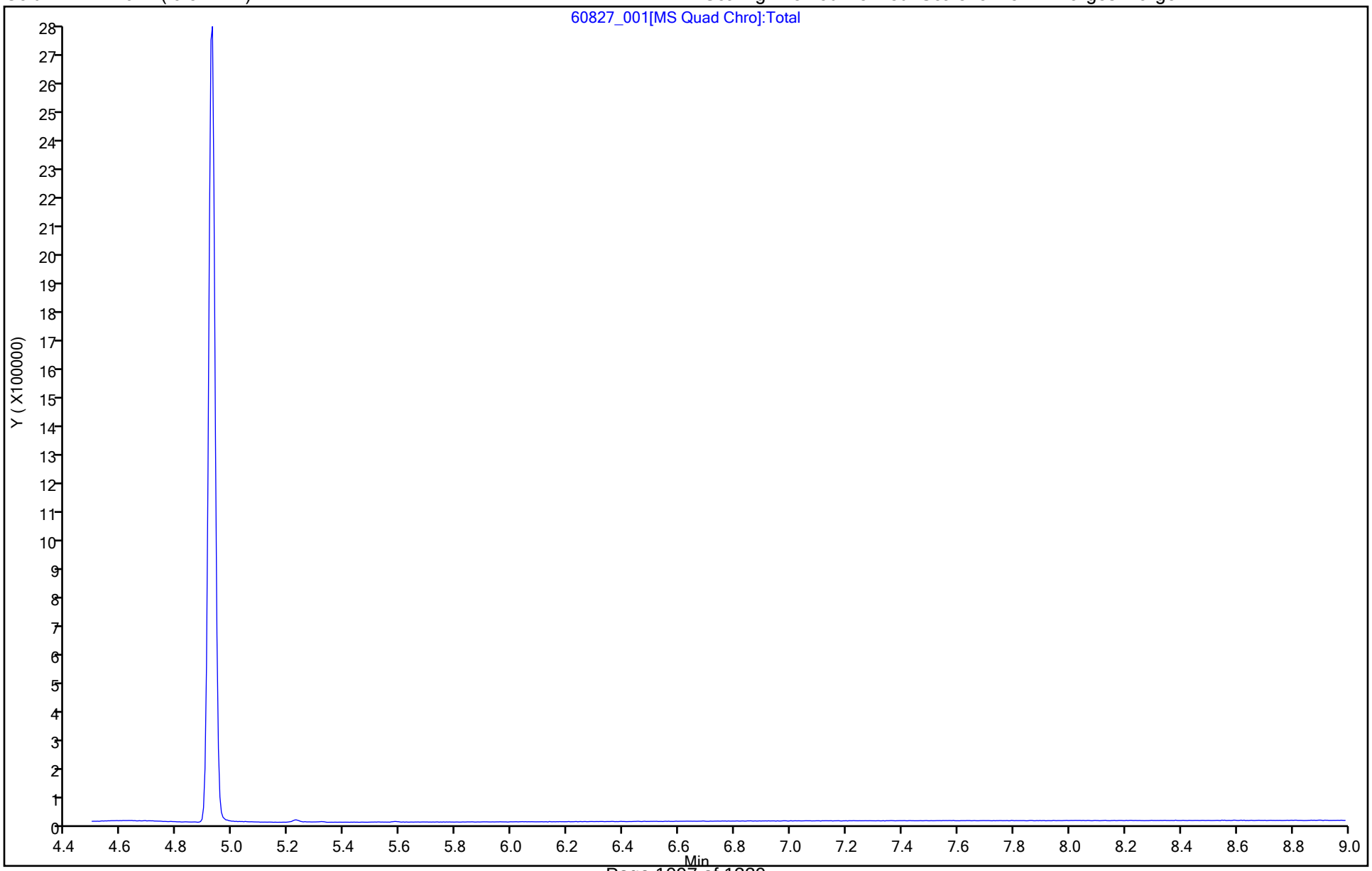
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4123	69.00	52272	106.00	1934	141.00	3891
37.00	21600	70.00	3745	107.00	492	142.00	470
38.00	19040	71.00	136	110.00	243	143.00	4000
39.00	7538	72.00	2564	111.00	329	144.00	194
40.00	267	73.00	21024	112.00	253	145.00	431
41.00	58	74.00	84120	113.00	326	146.00	657
43.00	311	75.00	258560	115.00	575	147.00	350
44.00	2398	76.00	22064	116.00	1697	148.00	1103
45.00	4121	77.00	3112	117.00	2904	149.00	334
46.00	358	78.00	2549	118.00	1716	150.00	489
47.00	6172	79.00	12781	119.00	2443	152.00	250
48.00	2870	80.00	3839	122.00	52	153.00	388
49.00	19544	81.00	13294	123.00	114	154.00	278
50.00	96224	82.00	2903	124.00	314	155.00	1206
51.00	29056	83.00	282	125.00	52	156.00	201
52.00	1348	86.00	566	126.00	129	157.00	819
55.00	1337	87.00	25608	127.00	71	159.00	519
56.00	6999	88.00	23952	128.00	1642	161.00	619
57.00	13070	91.00	1775	129.00	816	172.00	315
58.00	544	92.00	13672	130.00	1826	174.00	431424
60.00	4398	93.00	20976	131.00	759	175.00	33440
61.00	21968	94.00	59064	132.00	107	176.00	417408
62.00	21872	95.00	560704	134.00	135	177.00	28008
63.00	16091	96.00	38376	135.00	888	178.00	844
64.00	1522	97.00	997	136.00	62	207.00	18
65.00	193	103.00	330	137.00	749		
67.00	1452	104.00	1953	139.00	113		
68.00	52176	105.00	699	140.00	328		

Report Date: 19-Jun-2024 16:08:25 Chrom Revision: 2.3 20-May-2024 22:00:34

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_001.D				
Injection Date:	18-Jun-2024 12:34:42	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	200.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 17-Sep-2024 07:15:35 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-001
Misc. Info.: bfb
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Sep-2024 12:03:05 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: BKZ7 Date: 17-Sep-2024 07:43:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
11 BFB									
* 39 Chlorobromomethane	128		11.693				10.0	ND	
* 49 1,4-Difluorobenzene	114		13.549				10.0	ND	
* 73 Chlorobenzene-d5	117		19.043				10.0	ND	

QC Flag Legend
Processing Flags

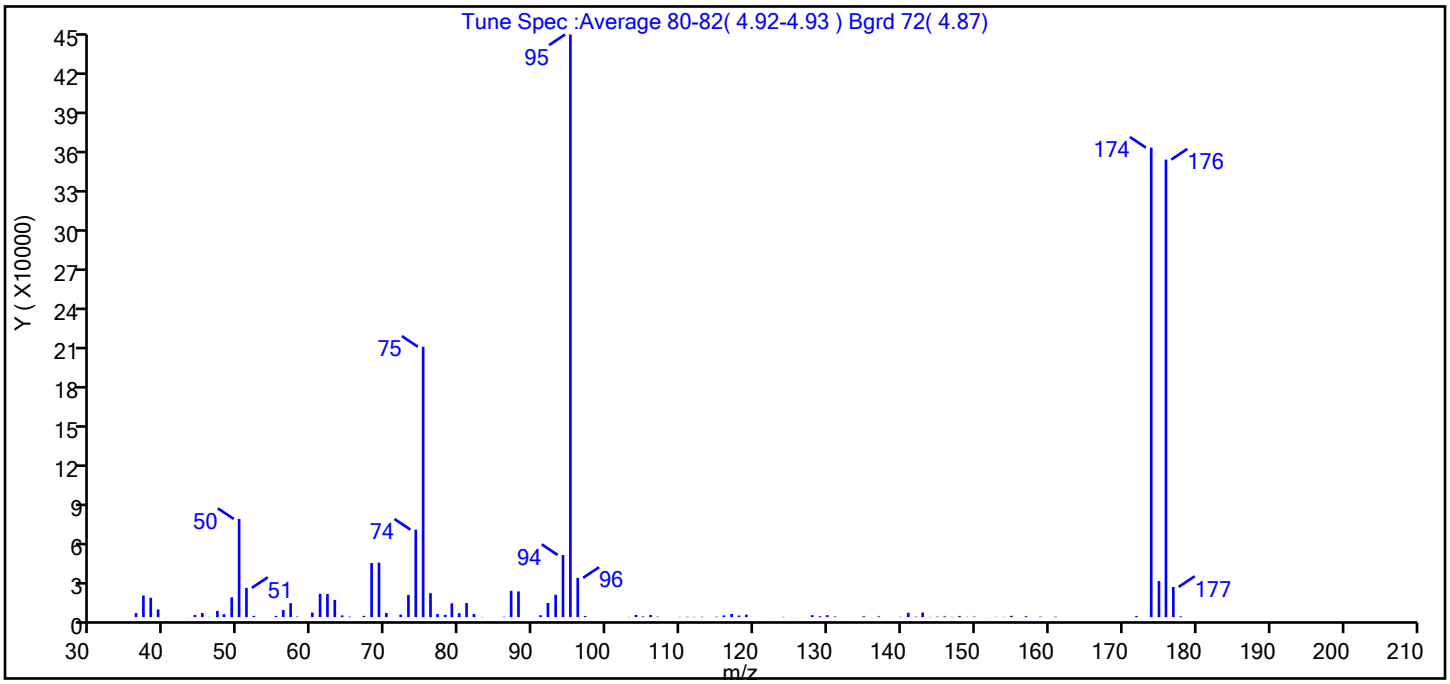
Reagents:
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_001.D
Injection Date: 17-Sep-2024 07:15:35 Instrument ID: CHAM.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AM1 Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	16.8
75	30.0 to 66.0 Percent of m/e 95	46.4
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	80.6
175	4.0 to 9.0 Percent of m/e 174	6.2 (7.7)
176	93.0 to 101.0 Percent of m/e 174	78.5 (97.5)
177	5.0 to 9.0 Percent of m/e 176	5.2 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_001.D\TO15_TO3_Master_Method_A
Injection Date: 17-Sep-2024 07:15:35
Spectrum: Tune Spec :Average 80-82(4.92-4.93) Bgrd 72(4.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 102

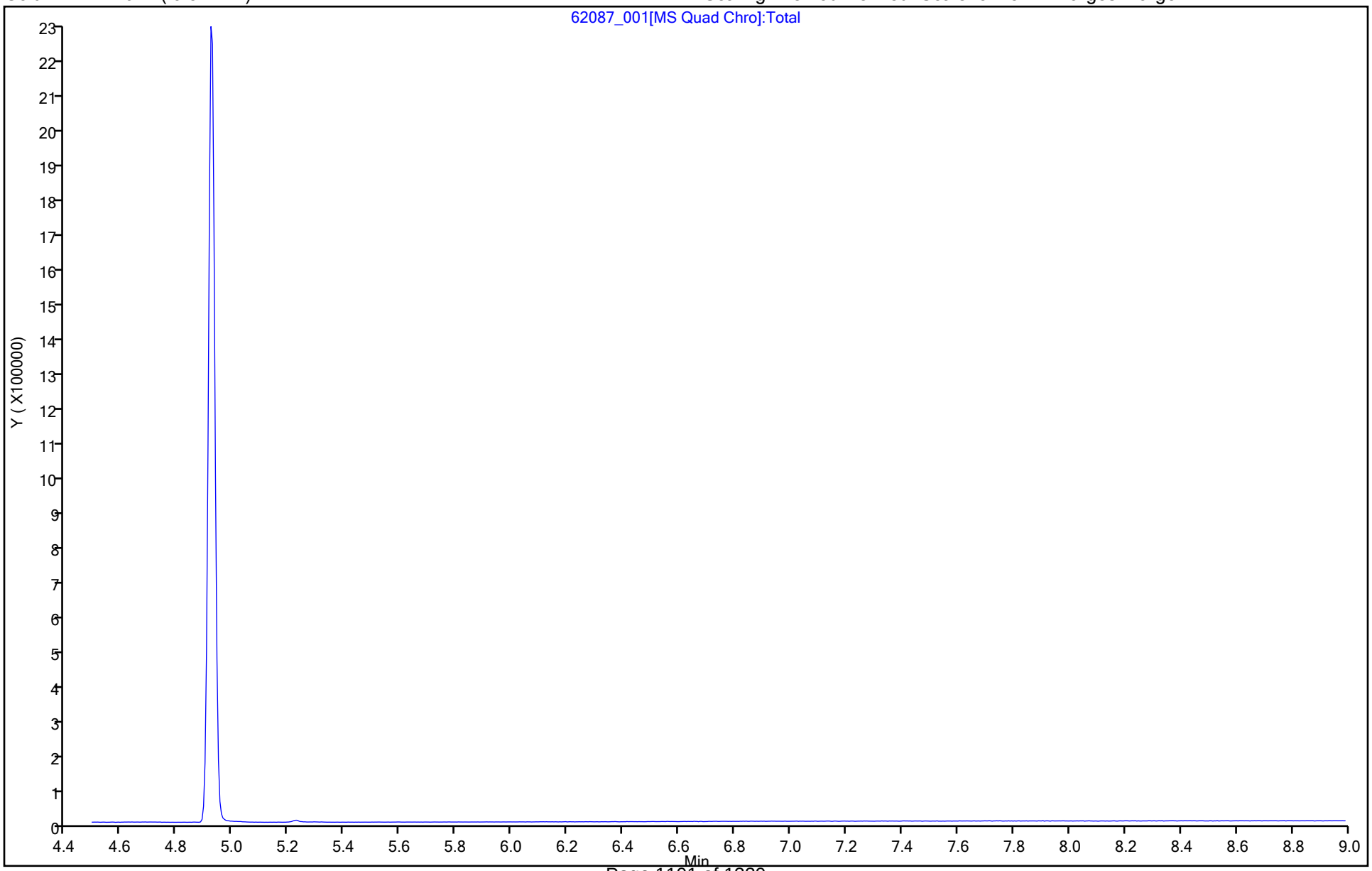
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3069	68.00	40912	104.00	1645	142.00	394
37.00	16371	69.00	41240	105.00	591	143.00	3487
38.00	14627	70.00	3095	106.00	1664	144.00	202
39.00	5824	72.00	1922	107.00	358	145.00	364
40.00	114	73.00	16800	110.00	169	146.00	627
43.00	103	74.00	66152	111.00	295	147.00	223
44.00	1689	75.00	204480	112.00	197	148.00	827
45.00	3127	76.00	18088	113.00	302	149.00	245
46.00	220	77.00	2342	115.00	373	150.00	411
47.00	4739	78.00	1717	116.00	1310	152.00	51
48.00	2209	79.00	10448	117.00	2380	153.00	243
49.00	14985	80.00	3022	118.00	1243	154.00	208
50.00	74232	81.00	10612	119.00	1904	155.00	982
51.00	22096	82.00	2362	123.00	53	156.00	51
52.00	1001	83.00	229	124.00	270	157.00	727
55.00	929	86.00	332	125.00	56	159.00	389
56.00	5370	87.00	19896	126.00	63	161.00	385
57.00	10555	88.00	19456	128.00	1497	172.00	917
58.00	427	91.00	1456	129.00	687	174.00	355008
60.00	3485	92.00	10725	130.00	1460	175.00	27280
61.00	17680	93.00	16920	131.00	499	176.00	345984
62.00	17528	94.00	47008	135.00	649	177.00	22840
63.00	12978	95.00	440576	136.00	69	178.00	613
64.00	1307	96.00	29704	137.00	616	207.00	20
65.00	397	97.00	862	140.00	248		
67.00	946	103.00	200	141.00	3317		

Report Date: 17-Sep-2024 12:03:05 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_001.D				
Injection Date:	17-Sep-2024 07:15:35	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	200.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-01.d				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Aug-2024 14:45:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	200.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0061759-001				
Misc. Info.:	bfb				
Operator ID:	vtp	Instrument ID:	CHW.i		
Method:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\TO15_TO3_MasterMethod_W.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	23-Aug-2024 14:57:26	Calib Date:	23-Aug-2024 02:30:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-14.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1692				
First Level Reviewer: YWL8		Date:	23-Aug-2024 14:57:26		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
11 BFB									
* 39 Chlorobromomethane	128		12.177				10.0	ND	
* 49 1,4-Difluorobenzene	114		14.188				10.0	ND	
* 73 Chlorobenzene-d5	117		19.912				10.0	ND	

Reagents:

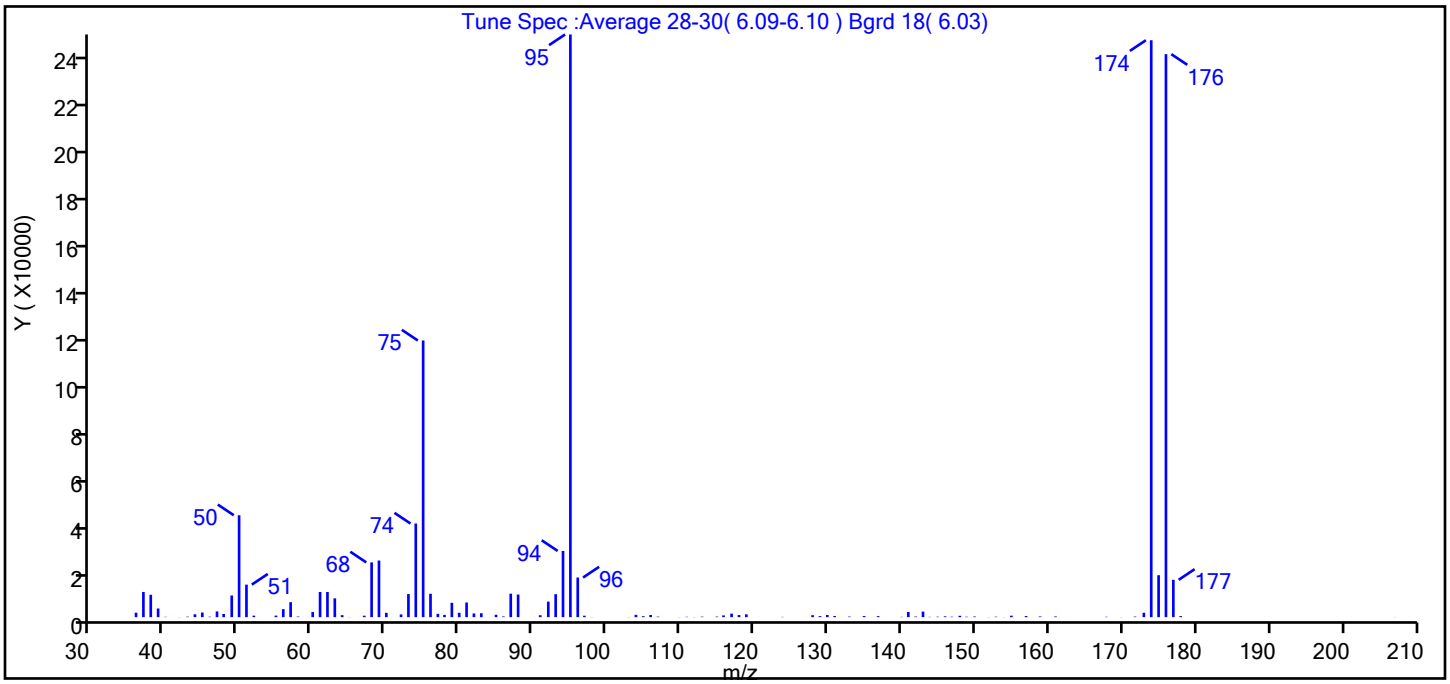
ATTO15WISs_00010 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-01.d				
Injection Date:	22-Aug-2024 14:45:30	Instrument ID:	CHW.i		
Lims ID:	bfb				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	200.0 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	17.5
75	30.0 to 66.0 Percent of m/e 95	47.5
96	5.0 to 9.0 Percent of m/e 95	6.8
173	Less than 2.0 Percent of m/e 174	0.7 (0.8)
174	50.0 to 120.0 Percent of m/e 95	99.0
175	4.0 to 9.0 Percent of m/e 174	7.2 (7.3)
176	93.0 to 101.0 Percent of m/e 174	96.6 (97.6)
177	5.0 to 9.0 Percent of m/e 176	6.4 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-01.d\TO15_TO3_MasterMethod_W.rslt
Injection Date: 22-Aug-2024 14:45:30
Spectrum: Tune Spec :Average 28-30(6.09-6.10) Bgrd 18(6.03)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1899	67.00	607	97.00	606	142.00	254
37.00	10646	68.00	23144	98.00	59	143.00	2336
38.00	9463	69.00	23936	103.00	52	144.00	111
39.00	3656	70.00	1814	104.00	976	145.00	184
40.00	138	72.00	1151	105.00	399	146.00	341
42.00	56	73.00	9757	106.00	913	147.00	184
43.00	207	74.00	39584	107.00	218	148.00	561
44.00	1202	75.00	116960	110.00	54	149.00	186
45.00	1953	76.00	9876	111.00	146	150.00	268
46.00	181	77.00	1406	112.00	62	152.00	51
47.00	2411	78.00	951	113.00	207	153.00	182
48.00	1337	79.00	6053	115.00	234	154.00	55
49.00	9153	80.00	1845	116.00	735	155.00	621
50.00	43088	81.00	6192	117.00	1477	157.00	477
51.00	13750	82.00	1560	118.00	884	159.00	285
52.00	639	83.00	1642	119.00	1185	161.00	287
55.00	646	85.00	1010	124.00	112	168.00	150
56.00	3390	86.00	281	128.00	831	170.00	58
57.00	6328	87.00	9914	129.00	422	172.00	246
58.00	246	88.00	9560	130.00	904	173.00	1846
60.00	2171	91.00	818	131.00	498	174.00	243904
61.00	10639	92.00	6575	133.00	240	175.00	17728
62.00	10636	93.00	9699	135.00	460	176.00	238016
63.00	7950	94.00	27984	137.00	425	177.00	15777
64.00	837	95.00	246336	140.00	113	178.00	439
65.00	50	96.00	16752	141.00	2168	207.00	43

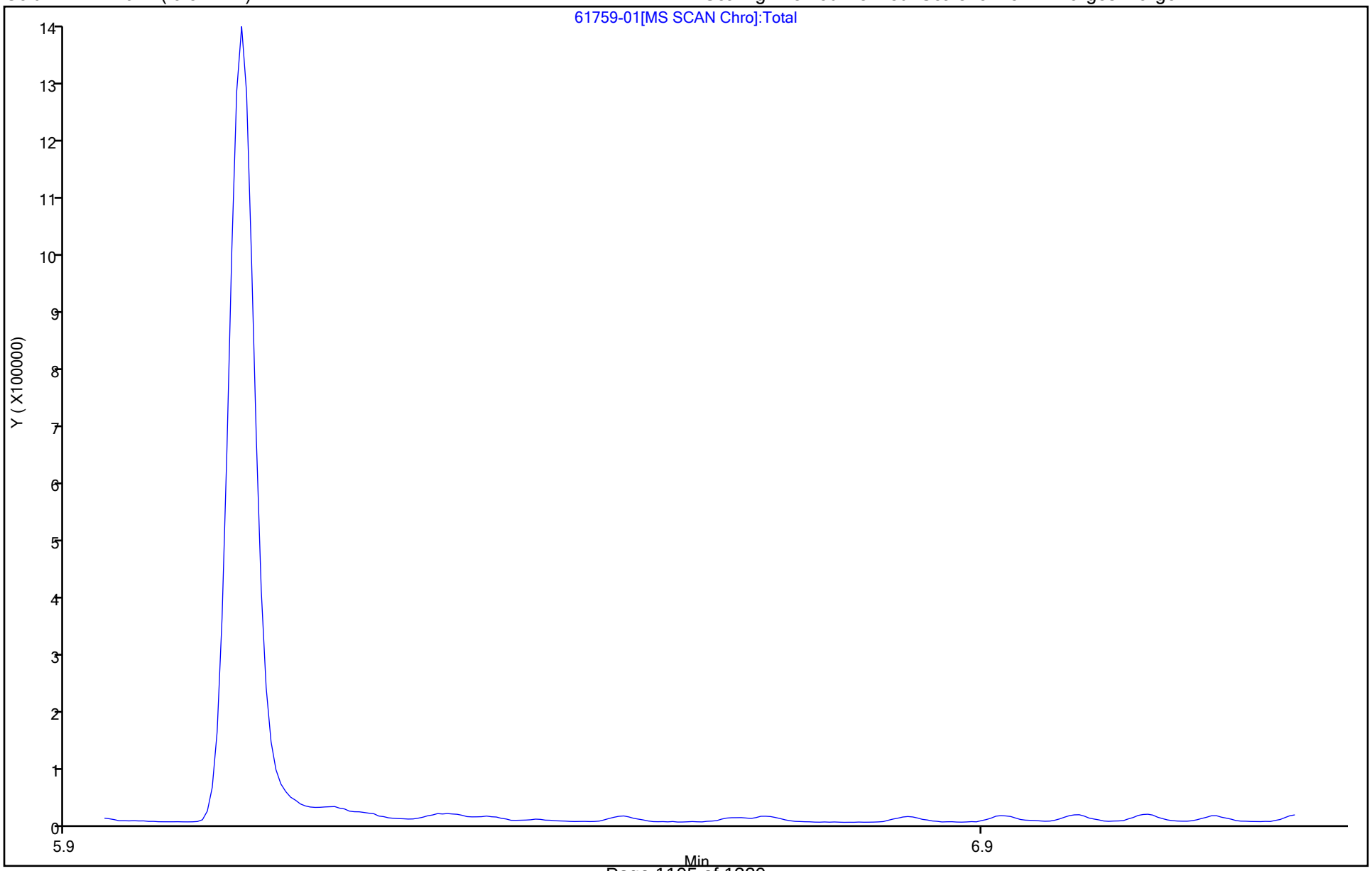
Report Date: 23-Aug-2024 14:57:27 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-01.d

Injection Date:	22-Aug-2024 14:45:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	200.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-01.d
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 17-Sep-2024 07:22:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0062088-001
Misc. Info.: bfb
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 07:01:40 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: YWL8 Date: 18-Sep-2024 07:01:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
11 BFB									
* 39 Chlorobromomethane	128		12.171				10.0	ND	
* 49 1,4-Difluorobenzene	114		14.188				10.0	ND	
* 73 Chlorobenzene-d5	117		19.912				10.0	ND	

QC Flag Legend
Processing Flags

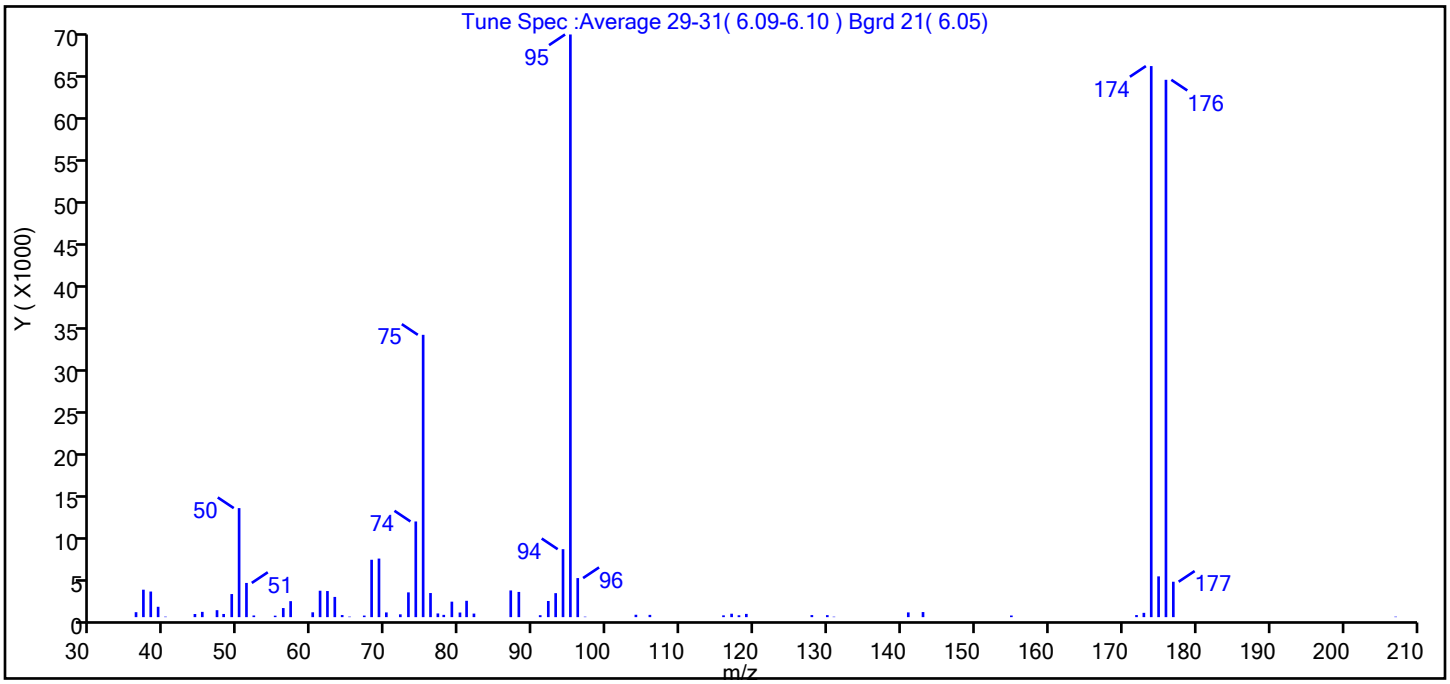
Reagents:
ATTO15WISs_00010 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-01.d
Injection Date: 17-Sep-2024 07:22:30 Instrument ID: CHW.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	18.7
75	30.0 to 66.0 Percent of m/e 95	48.5
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.7 (0.8)
174	50.0 to 120.0 Percent of m/e 95	94.6
175	4.0 to 9.0 Percent of m/e 174	7.0 (7.4)
176	93.0 to 101.0 Percent of m/e 174	92.2 (97.5)
177	5.0 to 9.0 Percent of m/e 176	6.1 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-01.d\TO15_TO3_MasterMethod_W.rslt
Injection Date: 17-Sep-2024 07:22:30
Spectrum: Tune Spec :Average 29-31(6.09-6.10) Bgrd 21(6.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	591	61.00	3143	80.00	550	119.00	387
37.00	3266	62.00	3104	81.00	1945	128.00	247
38.00	3046	63.00	2405	82.00	424	130.00	239
39.00	1233	64.00	250	87.00	3175	131.00	52
40.00	58	65.00	61	88.00	2999	141.00	565
44.00	374	67.00	187	91.00	231	143.00	606
45.00	628	68.00	6825	92.00	1921	155.00	193
47.00	828	69.00	6967	93.00	2853	172.00	248
48.00	378	70.00	562	94.00	8084	173.00	512
49.00	2747	72.00	333	95.00	69312	174.00	65552
50.00	12969	73.00	2947	96.00	4648	175.00	4851
51.00	4069	74.00	11382	97.00	54	176.00	63920
52.00	198	75.00	33584	104.00	285	177.00	4213
55.00	175	76.00	2868	106.00	270	207.00	57
56.00	1081	77.00	441	116.00	213		
57.00	1902	78.00	273	117.00	408		
60.00	576	79.00	1842	118.00	224		

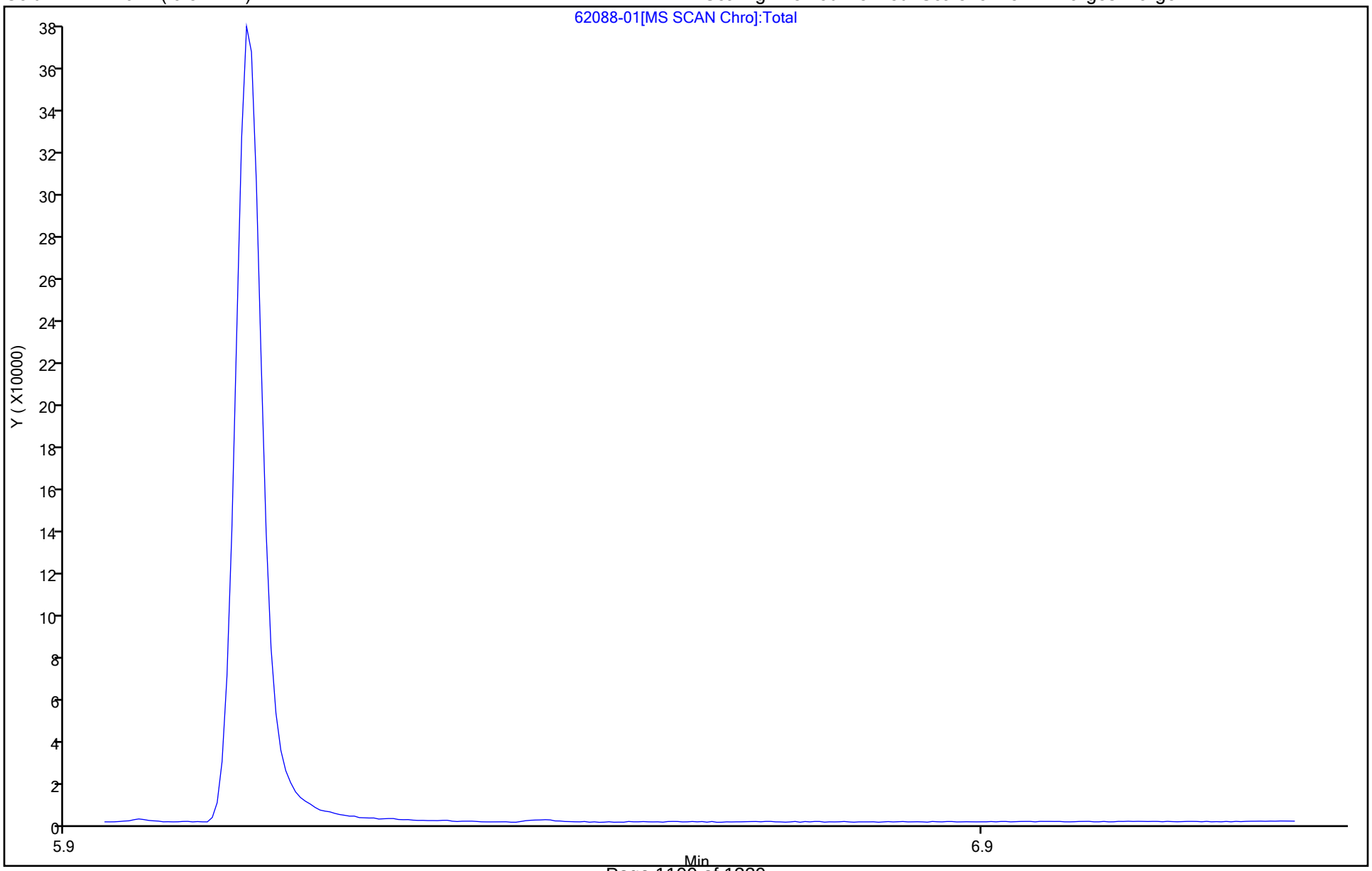
Report Date: 18-Sep-2024 07:01:41 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-01.d

Injection Date:	17-Sep-2024 07:22:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	200.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208689/5

Matrix: Air Lab File ID: 62087_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	1.2	U	1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	12	U	12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5	U	1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208689/5

Matrix: Air Lab File ID: 62087_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18
71-43-2	Benzene	78.11	0.64	U	0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.75	U	0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.30
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.41
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208689/5

Matrix: Air Lab File ID: 62087_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208689/5

Matrix: Air Lab File ID: 62087_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	0.50	U	0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	5.0	U	5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.50	U	0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208689/5

Matrix: Air Lab File ID: 62087_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) ___ pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038
71-43-2	Benzene	78.11	0.20	U	0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.20	U	0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.095
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208689/5

Matrix: Air Lab File ID: 62087_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 17-Sep-2024 10:37:15 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-005
Misc. Info.: MB
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Sep-2024 12:03:06 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1679

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.316					ND	7
2 Dichlorodifluoromethane	85		4.417					ND	7
3 Chlorodifluoromethane	51		4.465					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.792					ND	7
5 Chloromethane	50		4.915					ND	7
7 Butane	43		5.214					ND	7
6 Vinyl chloride	62		5.220					ND	
8 Butadiene	54		5.337					ND	
9 Bromomethane	94		6.086					ND	
10 Chloroethane	64		6.359					ND	
12 2-Methylbutane	43		6.568					ND	
13 Vinyl bromide	106		6.792					ND	
14 Trichlorofluoromethane	101		6.953					ND	7
15 Pentane	43		7.162					ND	7
16 Ethanol	45		7.360					ND	
18 Ethyl ether	59		7.584					ND	
19 Acrolein	56		7.846					ND	
20 1,1-Dichloroethene	96		8.034					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.071					ND	
22 Acetone	43		8.125					ND	7
23 Isopropyl alcohol	45		8.435					ND	7
24 Carbon disulfide	76		8.440					ND	7
25 Acetonitrile	41		8.654					ND	
26 3-Chloro-1-propene	41		8.745					ND	7
27 Methylene Chloride	49		8.986					ND	7
28 2-Methyl-2-propanol	59		9.216					ND	
29 Acrylonitrile	53		9.409					ND	
30 trans-1,2-Dichloroethene	61		9.483					ND	
31 Methyl tert-butyl ether	73		9.483					ND	
32 Hexane	57		9.992					ND	
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
33 1,1-Dichloroethane	63		10.270					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		10.275					ND	
36 2-Butanone (MEK)	72		11.260					ND	
37 cis-1,2-Dichloroethene	96		11.281					ND	7
38 Ethyl acetate	88		11.329					ND	
* 39 Chlorobromomethane	128	11.698	11.693	0.005	87	323081	10.0	10.0	
40 Tetrahydrofuran	42		11.730					ND	
41 Chloroform	83		11.875					ND	
42 1,1,1-Trichloroethane	97		12.174					ND	
43 Cyclohexane	84		12.303					ND	
44 Carbon tetrachloride	117		12.447					ND	
45 Benzene	78		12.806					ND	7
46 1,2-Dichloroethane	62		12.891					ND	
47 Isooctane	57		13.009					ND	
48 n-Heptane	43		13.319					ND	7
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	94	1556881	10.0	10.0	
50 n-Butanol	56		13.795					ND	
51 Trichloroethene	95		13.977					ND	
A 52 GRO	1	14.279	(6.558-22.001)		0	4574438		0	
53 1,2-Dichloropropane	63		14.448					ND	
54 Methyl methacrylate	69		14.528					ND	
55 1,4-Dioxane	88		14.576					ND	7
57 Dibromomethane	174	14.609	14.603	0.005	87	987		0.0136	
58 Dichlorobromomethane	83		14.919					ND	
A 60 TVOC as Toluene	1	15.662	(4.306-27.019)		0	4789099		0	
59 cis-1,3-Dichloropropene	75		15.721					ND	7
61 4-Methyl-2-pentanone (MIBK)	43		15.989					ND	
62 Toluene	92		16.358					ND	7
A 63 Toluene Range	1	16.361	(16.283-16.438)		0	2343		NC	
A 65 C8 Range	1		(16.508-16.668)					ND	
64 n-Octane	43		16.588					ND	
66 trans-1,3-Dichloropropene	75		16.781					ND	7
67 1,1,2-Trichloroethane	83		17.160					ND	
68 Tetrachloroethene	166		17.342					ND	7
69 2-Hexanone	43		17.572					ND	
70 Chlorodibromomethane	129		17.899					ND	7
71 Ethylene Dibromide	107	18.145	18.134	0.011	97	1077		0.009429	
* 73 Chlorobenzene-d5	117	19.043	19.043	0.000	86	1362598	10.0	10.0	
74 Chlorobenzene	112		19.102					ND	7
75 Ethylbenzene	91		19.290					ND	7
76 m-Xylene & p-Xylene	106		19.552					ND	7
77 n-Nonane	57		19.600					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.322					ND	7
79 Styrene	104		20.354					ND	7
81 Bromoform	173		20.697					ND	7
82 Isopropylbenzene	105		20.991					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.510					ND	7
84 1,2,3-Trichloropropane	75		21.606					ND	7
85 N-Propylbenzene	91		21.686					ND	7
86 2-Chlorotoluene	91		21.836					ND	7
87 4-Ethyltoluene	105		21.879					ND	7
88 1,3,5-Trimethylbenzene	105		21.970					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.991					ND	
90 Alpha Methyl Styrene	118	22.301	22.296	0.005	87	927		0.007514	
91 tert-Butylbenzene	119		22.446					ND	7
92 1,2,4-Trimethylbenzene	105		22.532					ND	7
93 sec-Butylbenzene	105		22.767					ND	7
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	94	2951		0.0180	
95 4-Isopropyltoluene	119		22.976					ND	7
96 1,4-Dichlorobenzene	146	23.083	23.083	0.000	91	3090		0.0188	
97 Benzyl chloride	91		23.238					ND	7
98 n-Butylbenzene	91		23.543					ND	7
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	92	2916		0.0187	
100 Undecane	57		23.682					ND	7
101 Dodecane	57		25.297					ND	7
102 1,2,4-Trichlorobenzene	180	26.089	26.084	0.005	93	4843		0.0383	
103 Hexachlorobutadiene	225		26.330					ND	7
104 Naphthalene	128	26.581	26.581	0.000	98	11932		0.0529	
105 1,2,3-Trichlorobenzene	180	27.015	27.009	0.006	94	5016		0.0436	
109 Chlorotrifluoroethene TIC	1		0.000					ND	
110 Difluoroethane TIC	1		0.000					ND	
111 Total Alkanes TIC	1		0.000					ND	
112 Freon 115 TIC	1		0.000					ND	
113 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

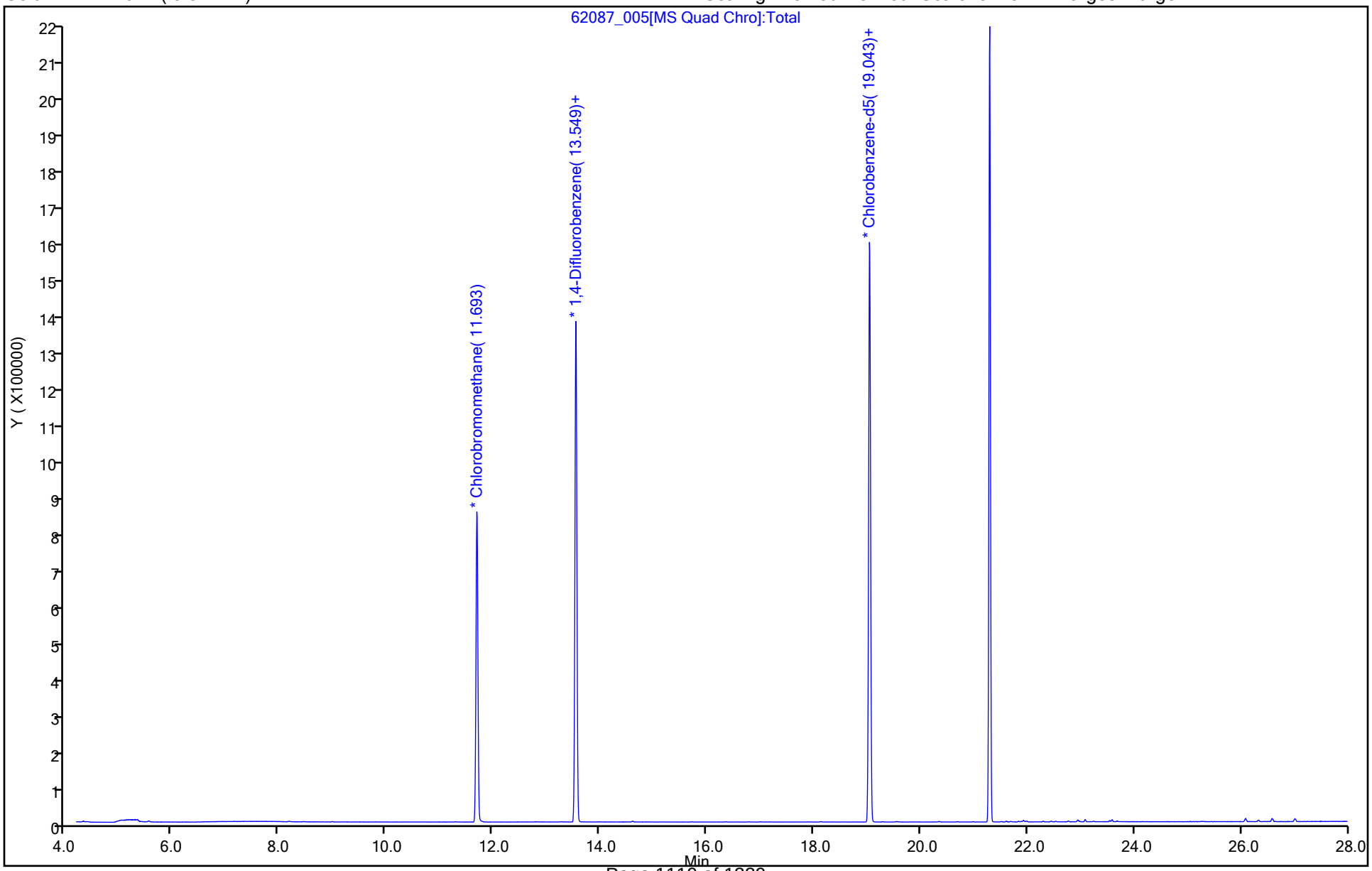
ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 17-Sep-2024 12:03:20 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_005.D				
Injection Date:	17-Sep-2024 10:37:15	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	mb			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208690/5

Matrix: Air Lab File ID: 62088-05.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 11:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	1.2	U	1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	12	U	12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5	U	1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208690/5

Matrix: Air Lab File ID: 62088-05.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 11:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18
71-43-2	Benzene	78.11	0.64	U	0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.75	U	0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.30
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.41
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208690/5

Matrix: Air Lab File ID: 62088-05.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 11:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208690/5

Matrix: Air Lab File ID: 62088-05.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 11:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	0.50	U	0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	5.0	U	5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.50	U	0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208690/5

Matrix: Air Lab File ID: 62088-05.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 11:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038
71-43-2	Benzene	78.11	0.20	U	0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.20	U	0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.095
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-208690/5

Matrix: Air Lab File ID: 62088-05.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 11:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-05.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 17-Sep-2024 11:03:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062088-005
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 07:05:01 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: YWL8 Date: 18-Sep-2024 07:05:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.029					ND	
2 Dichlorodifluoromethane	85		4.120					ND	
3 Chlorodifluoromethane	51		4.158					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.457					ND	
5 Chloromethane	50		4.575					ND	
6 Vinyl chloride	62		4.880					ND	
7 Butane	43		4.885					ND	
8 Butadiene	54		4.997					ND	
9 Bromomethane	94		5.746					ND	
10 Chloroethane	64		6.041					ND	
12 2-Methylbutane	43		6.281					ND	
13 Vinyl bromide	106		6.511					ND	
14 Trichlorofluoromethane	101		6.699					ND	
15 Pentane	43		6.939					ND	
16 Ethanol	45		7.127					ND	
18 Ethyl ether	59		7.421					ND	
19 Acrolein	56		7.699					ND	
20 1,1-Dichloroethene	96		7.940					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.988					ND	
22 Acetone	43		8.031					ND	
23 Isopropyl alcohol	45		8.389					ND	
24 Carbon disulfide	76	8.416	8.432	-0.016	94	483		0.0232	
25 Acetonitrile	41		8.630					ND	
26 3-Chloro-1-propene	41		8.774					ND	
27 Methylene Chloride	49		9.058					ND	7
28 2-Methyl-2-propanol	59		9.320					ND	
29 Acrylonitrile	53		9.529					ND	
30 trans-1,2-Dichloroethene	61		9.662					ND	
31 Methyl tert-butyl ether	73		9.673					ND	
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
32 Hexane	57		10.272					ND	
33 1,1-Dichloroethane	63		10.566					ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
	34 Vinyl acetate	43		10.577					ND	
	36 2-Butanone (MEK)	72		11.674					ND	
	37 cis-1,2-Dichloroethene	96		11.706					ND	
	38 Ethyl acetate	88		11.770					ND	
*	39 Chlorobromomethane	128	12.150	12.171	-0.021	88	62754	10.0	10.0	
	40 Tetrahydrofuran	42		12.236					ND	
	41 Chloroform	83		12.364					ND	
	42 1,1,1-Trichloroethane	97		12.712					ND	
	43 Cyclohexane	84		12.878					ND	
	44 Carbon tetrachloride	117		13.027					ND	
	45 Benzene	78		13.402					ND	
	46 1,2-Dichloroethane	62		13.477					ND	
	47 Isooctane	57		13.632					ND	
	48 n-Heptane	43		13.964					ND	
*	49 1,4-Difluorobenzene	114	14.172	14.188	-0.016	94	322465	10.0	10.0	
	50 n-Butanol	56		14.418					ND	
A	52 GRO	1	14.474	(6.271-22.678)		0	887992		0	
	51 Trichloroethene	95		14.659					ND	
	53 1,2-Dichloropropane	63		15.140					ND	
	54 Methyl methacrylate	69		15.215					ND	
	55 1,4-Dioxane	88		15.285					ND	
	57 Dibromomethane	174		15.312					ND	
	58 Dichlorobromomethane	83		15.627					ND	
A	60 TVOC as Toluene	1	16.042	(4.019-28.065)		0	978138		0	
	59 cis-1,3-Dichloropropene	75		16.473					ND	
	61 4-Methyl-2-pentanone (MIBK)	43		16.729					ND	
	62 Toluene	92		17.147					ND	
A	63 Toluene Range	1	17.160	(17.082-17.238)		0	10500		NC	
	64 n-Octane	43		17.382					ND	
A	65 C8 Range	1	17.398	(17.318-17.478)		0	10500		NC	
	66 trans-1,3-Dichloropropene	75		17.559					ND	
	67 1,1,2-Trichloroethane	83		17.949					ND	
	68 Tetrachloroethene	166		18.179					ND	
	69 2-Hexanone	43		18.361					ND	
	70 Chlorodibromomethane	129		18.725					ND	
	71 Ethylene Dibromide	107		18.982					ND	
*	73 Chlorobenzene-d5	117	19.907	19.912	-0.005	86	265773	10.0	10.0	
	74 Chlorobenzene	112		19.971					ND	
S	80 Xylenes, Total	106		20.100					ND	7
	75 Ethylbenzene	91		20.153					ND	7
	76 m-Xylene & p-Xylene	106		20.410					ND	
	77 n-Nonane	57		20.442					ND	
	78 o-Xylene	106		21.116					ND	
	79 Styrene	104		21.148					ND	
	81 Bromoform	173		21.469					ND	
	82 Isopropylbenzene	105		21.737					ND	
	83 1,1,2,2-Tetrachloroethane	83		22.197					ND	7
	84 1,2,3-Trichloropropane	75		22.298					ND	
	85 N-Propylbenzene	91		22.395					ND	7
	86 2-Chlorotoluene	91		22.544					ND	7
	87 4-Ethyltoluene	105		22.577					ND	MU
	88 1,3,5-Trimethylbenzene	105		22.657					ND	MU

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		22.668					ND	
90 Alpha Methyl Styrene	118		22.972					ND	7
91 tert-Butylbenzene	119		23.122					ND	
92 1,2,4-Trimethylbenzene	105		23.202					ND	7
93 sec-Butylbenzene	105		23.438					ND	7
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	82	1011		0.0373	
95 4-Isopropyltoluene	119		23.652					ND	7
96 1,4-Dichlorobenzene	146	23.786	23.780	0.006	86	1038		0.0395	
97 Benzyl chloride	91		23.930					ND	MU
98 n-Butylbenzene	91	24.256	24.256	0.000	86	615		0.0141	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	93	1039		0.0391	
100 Undecane	57		24.385					ND	
101 Dodecane	57		26.134					ND	
102 1,2,4-Trichlorobenzene	180	27.049	27.033	0.016	78	1297		0.0733	
103 Hexachlorobutadiene	225		27.306					ND	
104 Naphthalene	128	27.600	27.584	0.016	93	1849		0.0509	
105 1,2,3-Trichlorobenzene	180	28.060	28.055	0.005	81	881		0.0533	
109 Chlorotrifluoroethene TIC	1		0.000					ND	
110 Difluoroethane TIC	1		0.000					ND	
111 Total Alkanes TIC	1		0.000					ND	
112 Freon 115 TIC	1		0.000					ND	
113 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

ATTO15WISs_00010 Amount Added: 20.00 Units: mL Run Reagent

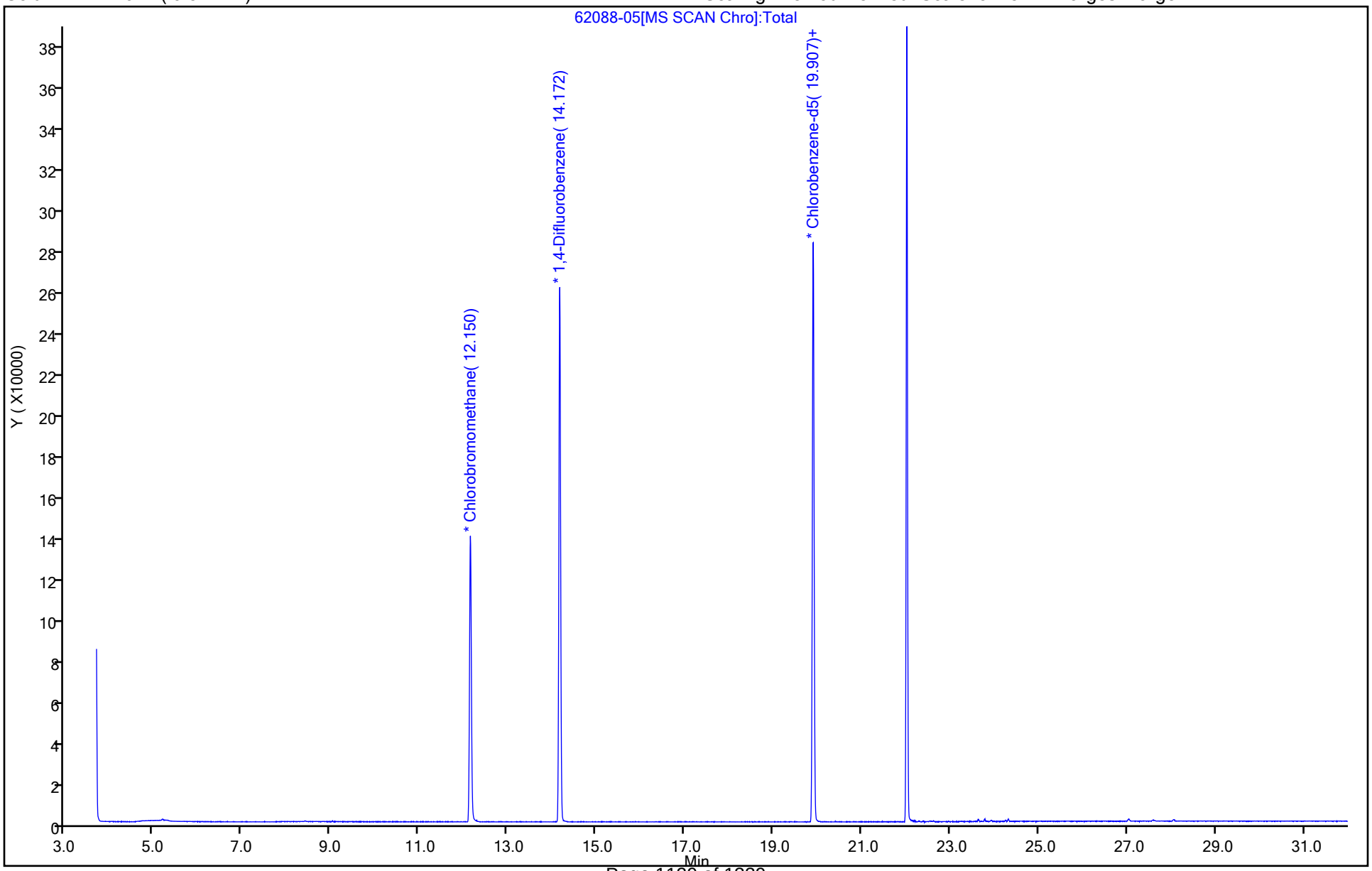
Report Date: 18-Sep-2024 07:05:01 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-05.d

Injection Date:	17-Sep-2024 11:03:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	MB			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



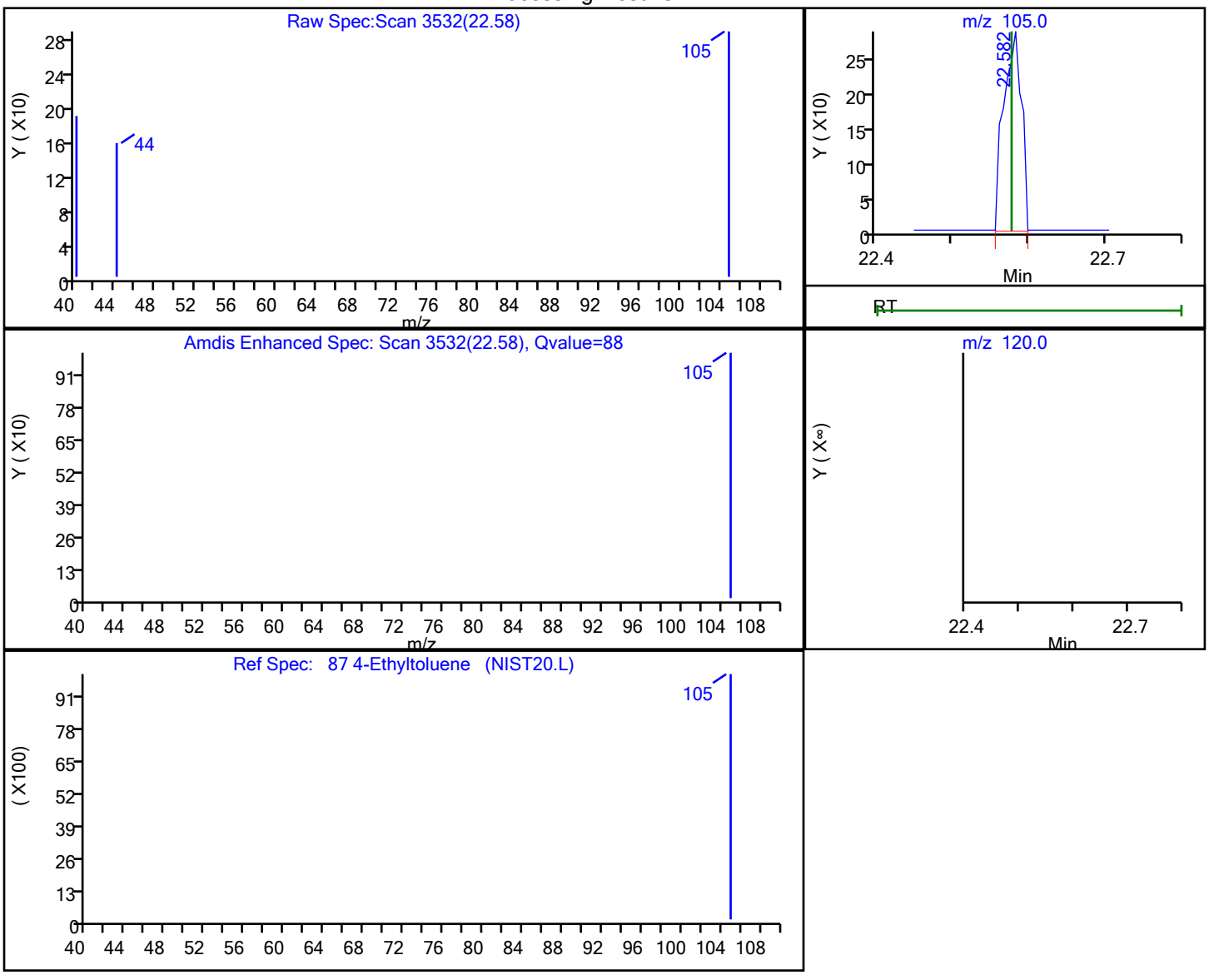
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-05.d				
Injection Date:	17-Sep-2024 11:03:30	Instrument ID:	CHW.i		
Lims ID:	MB				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

87 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
22.58	105.00	470	0.010409
22.58	120.00	0	

Reviewer: YWL8, 18-Sep-2024 07:03:54 07:00:00 (UTC)

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

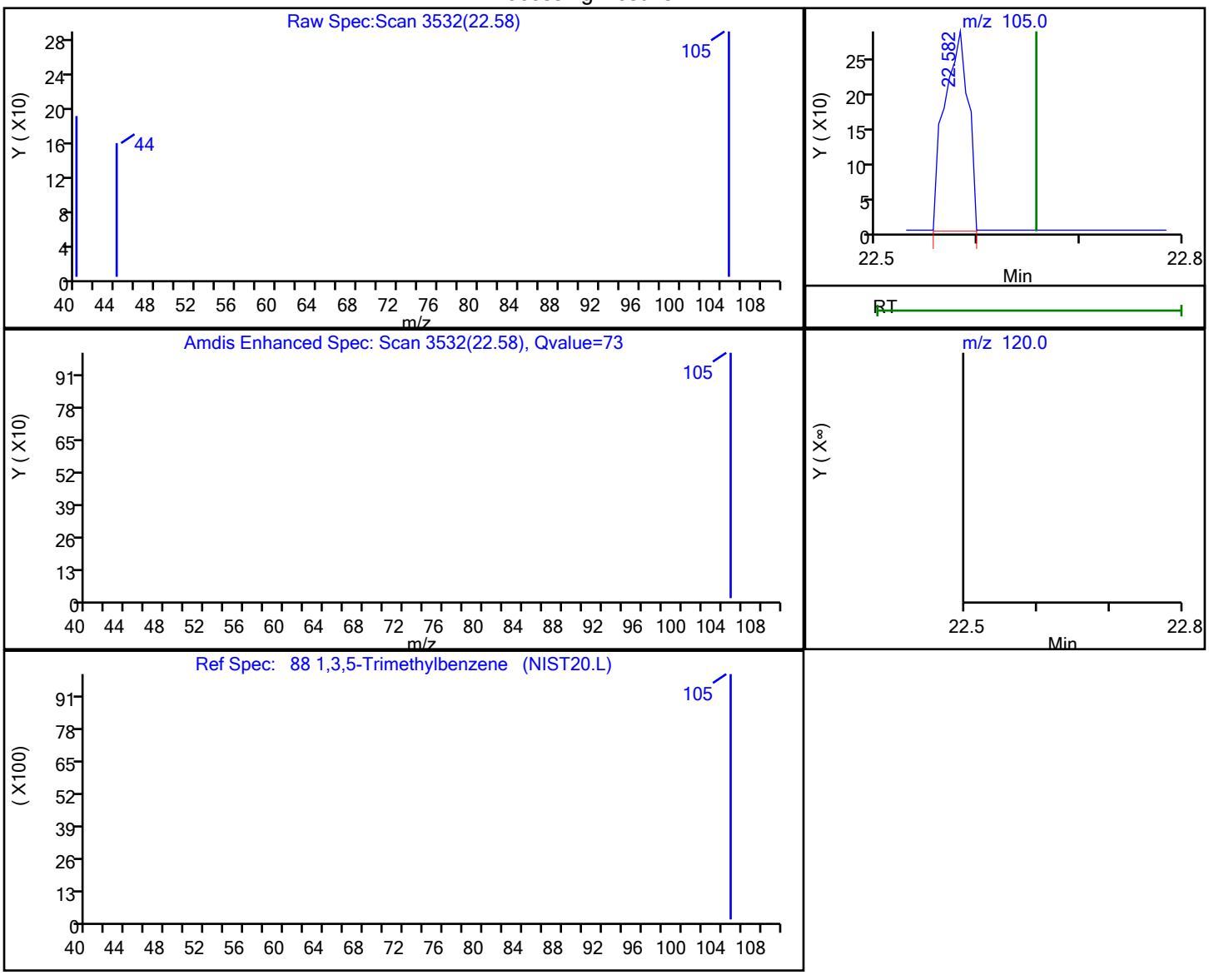
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-05.d				
Injection Date:	17-Sep-2024 11:03:30	Instrument ID:	CHW.i		
Lims ID:	MB				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

88 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
22.58	105.00	470	0.012101
22.66	120.00	0	

Reviewer: YWL8, 18-Sep-2024 07:03:56 07:00:00 (UTC)

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

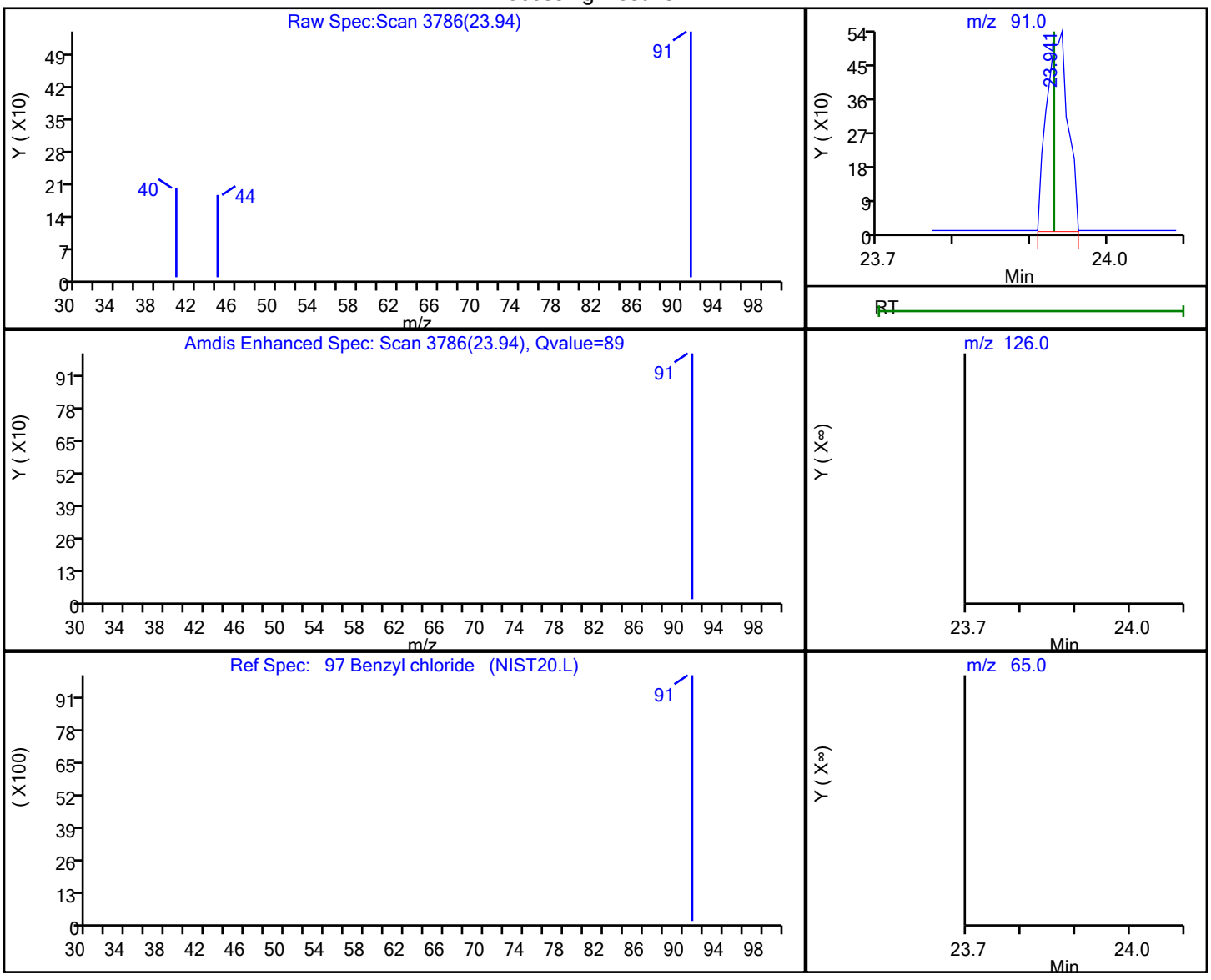
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-05.d				
Injection Date:	17-Sep-2024 11:03:30	Instrument ID:	CHW.i		
Lims ID:	MB				
Client ID:					
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
23.94	91.00	1027	0.033310
23.93	126.00	0	
23.93	65.00	0	

Reviewer: YWL8, 18-Sep-2024 07:04:03 07:00:00 (UTC)

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

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-208689/3

Matrix: Air Lab File ID: 62087_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 08:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	49.4		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	38.0		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	70.9		1.4	0.34
74-87-3	Chloromethane	50.49	23.7		1.0	0.31
106-97-8	n-Butane	58.12	19.5		1.2	0.48
75-01-4	Vinyl chloride	62.50	20.5		0.20	0.054
106-99-0	1,3-Butadiene	54.09	16.2		0.44	0.086
74-83-9	Bromomethane	94.94	38.0		0.78	0.28
75-00-3	Chloroethane	64.52	28.4		1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	40.7		0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	48.6		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	68.1		1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	35.4		0.20	0.10
67-64-1	Acetone	58.08	22.8		12	3.8
67-63-0	Isopropyl alcohol	60.10	25.8		12	3.9
75-15-0	Carbon disulfide	76.14	29.2		1.6	0.40
107-05-1	3-Chloropropene	76.53	26.3		1.6	0.38
75-09-2	Methylene Chloride	84.93	30.1		1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	27.8		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	31.7		0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	33.1		0.79	0.091
110-54-3	n-Hexane	86.17	29.9		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	33.9		0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	26.5		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	34.0		0.20	0.083
67-66-3	Chloroform	119.38	41.1		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	26.0		15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	45.3		1.1	0.24
110-82-7	Cyclohexane	84.16	30.6		0.69	0.20
56-23-5	Carbon tetrachloride	153.81	51.6		0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-208689/3

Matrix: Air Lab File ID: 62087_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 08:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	40.5		0.93	0.18
71-43-2	Benzene	78.11	28.4		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	33.0		0.81	0.38
142-82-5	n-Heptane	100.21	33.9		0.82	0.23
79-01-6	Trichloroethene	131.39	45.8		0.20	0.13
80-62-6	Methyl methacrylate	100.12	37.5		2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	40.7		0.92	0.43
123-91-1	1,4-Dioxane	88.11	33.4		18	0.30
75-27-4	Bromodichloromethane	163.83	57.5		1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	40.0		0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	34.8		2.0	0.53
108-88-3	Toluene	92.14	34.8		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	40.2		0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	51.1		1.1	0.40
127-18-4	Tetrachloroethene	165.83	60.9		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	36.6		2.0	0.61
124-48-1	Dibromochloromethane	208.28	78.1		1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	71.8		1.5	0.32
108-90-7	Chlorobenzene	112.56	42.4		0.92	0.20
100-41-4	Ethylbenzene	106.17	39.9		0.87	0.30
179601-23-1	m,p-Xylene	106.17	80.5		2.2	0.41
95-47-6	o-Xylene	106.17	40.0		0.87	0.27
100-42-5	Styrene	104.15	40.0		0.85	0.25
75-25-2	Bromoform	252.75	96.7		2.1	1.2
98-82-8	Cumene	120.19	45.8		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	66.6		1.4	0.30
103-65-1	n-Propylbenzene	120.19	47.2		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	46.9		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	46.2		0.98	0.23
95-49-8	2-Chlorotoluene	126.59	47.8		1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-208689/3

Matrix: Air Lab File ID: 62087_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 08:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208689 Units: ug/m3

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	51.0		1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	46.2		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	52.5		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	52.5		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	57.3		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	57.5		1.2	0.54
100-44-7	Benzyl chloride	126.58	54.0		1.0	0.46
104-51-8	n-Butylbenzene	134.22	52.9		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	57.4		1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	68.6		3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	91.3		2.1	1.2
91-20-3	Naphthalene	128.17	63.5		2.0	1.6

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_003.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 17-Sep-2024 08:54:53 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062087-003
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Sep-2024 12:03:06 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1679

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.315	4.316	-0.001	98	394232	10.0	12.0	
2 Dichlorodifluoromethane	85	4.417	4.417	0.000	99	1423156	10.0	9.98	
3 Chlorodifluoromethane	51	4.465	4.465	0.000	97	815306	10.0	10.7	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.786	4.792	-0.006	96	1497601	10.0	10.1	
5 Chloromethane	50	4.915	4.915	0.000	99	474133	10.0	11.5	
7 Butane	43	5.214	5.214	0.000	98	555499	10.0	8.22	
6 Vinyl chloride	62	5.214	5.220	-0.006	100	423113	10.0	8.03	
8 Butadiene	54	5.332	5.337	-0.005	91	297721	10.0	7.34	
11 BFB									
9 Bromomethane	94	6.081	6.086	-0.005	99	536079	10.0	9.79	
10 Chloroethane	64	6.359	6.359	0.000	99	307940	10.0	10.8	
12 2-Methylbutane	43	6.568	6.568	0.000	93	622318	10.0	10.6	
13 Vinyl bromide	106	6.787	6.792	-0.005	99	515043	10.0	9.31	
14 Trichlorofluoromethane	101	6.953	6.953	0.000	98	1319600	10.0	8.65	
15 Pentane	43	7.156	7.162	-0.006	96	926403	10.0	10.3	
16 Ethanol	45	7.354	7.360	-0.006	98	303167	15.0	15.2	
18 Ethyl ether	59	7.584	7.584	0.000	92	385805	10.0	9.78	
19 Acrolein	56	7.846	7.846	0.000	96	235376	10.0	9.91	
20 1,1-Dichloroethene	96	8.034	8.034	0.000	97	541770	10.0	8.92	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	8.071	8.071	0.000	96	1135860	10.0	8.89	
22 Acetone	43	8.124	8.125	-0.001	97	748563	10.0	9.59	
23 Isopropyl alcohol	45	8.429	8.435	-0.006	100	942402	10.0	10.5	
24 Carbon disulfide	76	8.440	8.440	0.000	99	1563776	10.0	9.38	
25 Acetonitrile	41	8.654	8.654	0.000	99	358458	10.0	9.11	
26 3-Chloro-1-propene	41	8.745	8.745	0.000	96	603889	10.0	8.41	
27 Methylene Chloride	49	8.986	8.986	0.000	91	552718	10.0	8.68	
28 2-Methyl-2-propanol	59	9.216	9.216	0.000	100	943323	10.0	9.18	
29 Acrylonitrile	53	9.408	9.409	-0.001	94	369660	10.0	9.07	
30 trans-1,2-Dichloroethene	61	9.483	9.483	0.000	99	717696	10.0	8.35	
31 Methyl tert-butyl ether	73	9.483	9.483	0.000	97	1395544	10.0	8.80	
32 Hexane	57	9.992	9.992	0.000	92	764538	10.0	8.49	
S 35 1,2-Dichloroethene, Total	61				0		20.0	16.9	
33 1,1-Dichloroethane	63	10.264	10.270	-0.006	100	916392	10.0	8.38	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.275	10.275	0.000	100	1188089	10.0	9.06	
36 2-Butanone (MEK)	72	11.259	11.260	-0.001	98	264425	10.0	8.99	
37 cis-1,2-Dichloroethene	96	11.281	11.281	0.000	91	573284	10.0	8.57	
38 Ethyl acetate	88	11.329	11.329	0.000	99	47237	10.0	9.20	
* 39 Chlorobromomethane	128	11.693	11.693	0.000	88	331754	10.0	10.0	
40 Tetrahydrofuran	42	11.730	11.730	0.000	90	522928	10.0	8.80	
41 Chloroform	83	11.875	11.875	0.000	95	1080452	10.0	8.42	
42 1,1,1-Trichloroethane	97	12.174	12.174	0.000	98	1045510	10.0	8.30	
43 Cyclohexane	84	12.303	12.303	0.000	98	695948	10.0	8.88	
44 Carbon tetrachloride	117	12.447	12.447	0.000	98	1063883	10.0	8.20	
45 Benzene	78	12.806	12.806	0.000	95	1633373	10.0	8.88	
46 1,2-Dichloroethane	62	12.891	12.891	0.000	93	663218	10.0	8.15	
47 Isooctane	57	13.009	13.009	0.000	99	2479582	10.0	8.68	
48 n-Heptane	43	13.319	13.319	0.000	91	856185	10.0	8.26	
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	94	1592636	10.0	10.0	
50 n-Butanol	56	13.795	13.795	0.000	87	341768	10.0	9.03	
51 Trichloroethene	95	13.977	13.977	0.000	97	731487	10.0	8.52	
A 52 GRO	1	14.279	(6.558-22.001)		0	227422369	649.9	0	
53 1,2-Dichloropropane	63	14.448	14.448	0.000	93	610212	10.0	8.80	
54 Methyl methacrylate	69	14.528	14.528	0.000	99	585582	10.0	9.15	
55 1,4-Dioxane	88	14.576	14.576	0.000	92	325345	10.0	9.27	
57 Dibromomethane	174	14.608	14.603	0.005	97	655899	10.0	8.85	
58 Dichlorobromomethane	83	14.919	14.919	0.000	98	1169400	10.0	8.58	
A 60 TVOC as Toluene	1	15.662	(4.306-27.019)		0	345825801	899.8	0	
59 cis-1,3-Dichloropropene	75	15.721	15.721	0.000	91	1026385	10.0	8.81	
61 4-Methyl-2-pentanone (MIBK)	43	15.989	15.989	0.000	96	1073710	10.0	8.51	
62 Toluene	92	16.358	16.358	0.000	93	1160867	10.0	9.24	
A 63 Toluene Range	1	16.361	(16.283-16.438)		0	4589728	NC	NC	
A 65 C8 Range	1	16.588	(16.508-16.668)		0	4778606	NC	NC	
64 n-Octane	43	16.588	16.588	0.000	91	1193843	10.0	8.38	
66 trans-1,3-Dichloropropene	75	16.780	16.781	-0.001	96	818164	10.0	8.85	
67 1,1,2-Trichloroethane	83	17.160	17.160	0.000	96	604227	10.0	9.37	
68 Tetrachloroethene	166	17.342	17.342	0.000	98	937802	10.0	8.97	
69 2-Hexanone	43	17.572	17.572	0.000	96	1019348	10.0	8.94	
70 Chlorodibromomethane	129	17.899	17.899	-0.001	98	1203449	10.0	9.17	
71 Ethylene Dibromide	107	18.139	18.134	0.005	98	1088601	10.0	9.34	
* 73 Chlorobenzene-d5	117	19.043	19.043	0.000	86	1390300	10.0	10.0	
74 Chlorobenzene	112	19.102	19.102	0.000	94	1558396	10.0	9.21	
75 Ethylbenzene	91	19.289	19.290	-0.001	98	2539078	10.0	9.19	
76 m-Xylene & p-Xylene	106	19.552	19.552	0.000	0	1933344	20.0	18.5	
77 n-Nonane	57	19.600	19.600	0.000	87	1192569	10.0	9.06	
S 80 Xylenes, Total	106				0		30.0	27.7	
78 o-Xylene	106	20.322	20.322	0.000	99	928257	10.0	9.21	
79 Styrene	104	20.359	20.354	0.005	98	1537779	10.0	9.38	
81 Bromoform	173	20.696	20.697	-0.001	96	1148888	10.0	9.35	
82 Isopropylbenzene	105	20.991	20.991	0.000	98	2784941	10.0	9.31	
83 1,1,2,2-Tetrachloroethane	83	21.515	21.510	0.005	98	1575342	10.0	9.71	
84 1,2,3-Trichloropropane	75	21.606	21.606	0.000	99	1188200	10.0	9.33	
85 N-Propylbenzene	91	21.686	21.686	0.000	99	3449100	10.0	9.60	
86 2-Chlorotoluene	91	21.836	21.836	0.000	96	2199655	10.0	9.23	
87 4-Ethyltoluene	105	21.879	21.879	0.000	98	2750207	10.0	9.55	
88 1,3,5-Trimethylbenzene	105	21.970	21.970	0.000	93	2270932	10.0	9.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.991	21.991	0.000	92	1486965	10.0	9.46	
90 Alpha Methyl Styrene	118	22.296	22.296	0.000	88	1221532	10.0	9.70	
91 tert-Butylbenzene	119	22.451	22.446	0.005	93	2161758	10.0	9.29	
92 1,2,4-Trimethylbenzene	105	22.531	22.532	-0.001	98	2295791	10.0	9.41	
93 sec-Butylbenzene	105	22.767	22.767	0.000	99	3358870	10.0	9.57	
94 1,3-Dichlorobenzene	146	22.943	22.943	0.000	98	1598607	10.0	9.54	
95 4-Isopropyltoluene	119	22.975	22.976	-0.001	97	2774954	10.0	9.57	
96 1,4-Dichlorobenzene	146	23.082	23.083	-0.001	95	1600128	10.0	9.56	
97 Benzyl chloride	91	23.238	23.238	0.000	99	2205269	10.0	10.4	
98 n-Butylbenzene	91	23.543	23.543	0.000	99	2711976	10.0	9.64	
99 1,2-Dichlorobenzene	146	23.585	23.585	0.000	96	1519900	10.0	9.55	
100 Undecane	57	23.682	23.682	0.000	94	1502434	10.0	9.50	
101 Dodecane	57	25.297	25.297	0.000	98	1388243	10.0	9.60	
102 1,2,4-Trichlorobenzene	180	26.084	26.084	0.000	94	1190845	10.0	9.24	
103 Hexachlorobutadiene	225	26.330	26.330	0.000	98	984578	10.0	8.56	
104 Naphthalene	128	26.581	26.581	0.000	99	2786733	10.0	12.1	
105 1,2,3-Trichlorobenzene	180	27.009	27.009	0.000	95	1064495	10.0	9.07	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00879	Amount Added: 200.00	Units: mL	
ATTO15AMISs_00004	Amount Added: 20.00	Units: mL	Run Reagent

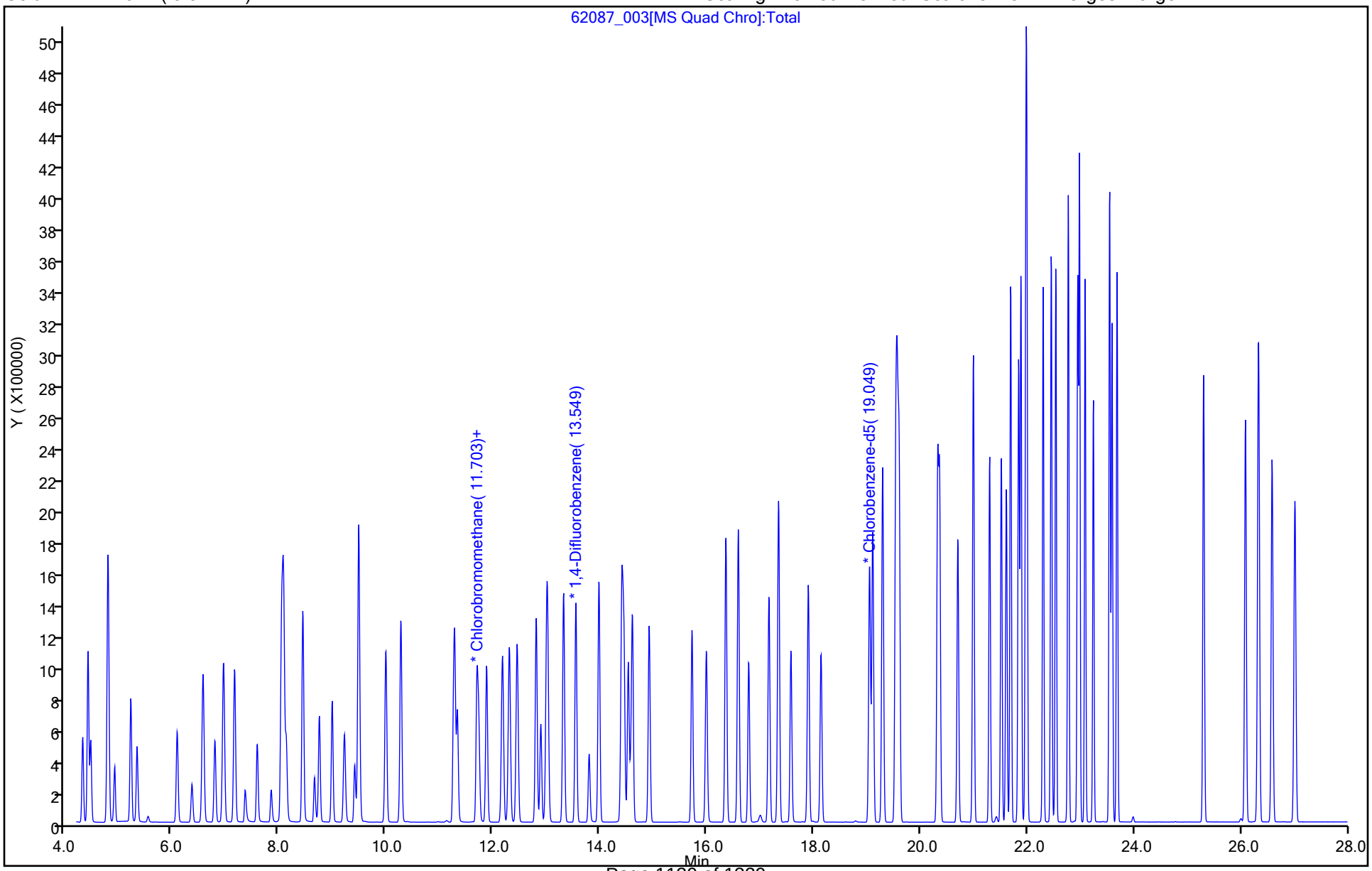
Report Date: 17-Sep-2024 12:03:09 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240917-62087.b\62087_003.D

Injection Date:	17-Sep-2024 08:54:53	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-208690/3

Matrix: Air Lab File ID: 62088-03.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 09:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	50.1		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	39.8		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	72.3		1.4	0.34
74-87-3	Chloromethane	50.49	24.3		1.0	0.31
106-97-8	n-Butane	58.12	31.1		1.2	0.48
75-01-4	Vinyl chloride	62.50	30.4		0.20	0.054
106-99-0	1,3-Butadiene	54.09	25.7		0.44	0.086
74-83-9	Bromomethane	94.94	38.6		0.78	0.28
75-00-3	Chloroethane	64.52	29.1		1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	42.2		0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	53.4		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	75.5		1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	37.9		0.20	0.10
67-64-1	Acetone	58.08	26.8		12	3.8
67-63-0	Isopropyl alcohol	60.10	30.6		12	3.9
75-15-0	Carbon disulfide	76.14	34.2		1.6	0.40
107-05-1	3-Chloropropene	76.53	31.7		1.6	0.38
75-09-2	Methylene Chloride	84.93	38.6		1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	31.2		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	36.1		0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	42.8		0.79	0.091
110-54-3	n-Hexane	86.17	37.9		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	42.7		0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	31.4		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	38.6		0.20	0.083
67-66-3	Chloroform	119.38	49.1		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	32.8		15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	52.2		1.1	0.24
110-82-7	Cyclohexane	84.16	34.8		0.69	0.20
56-23-5	Carbon tetrachloride	153.81	60.8		0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-208690/3

Matrix: Air Lab File ID: 62088-03.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 09:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	51.3		0.93	0.18
71-43-2	Benzene	78.11	32.9		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	41.4		0.81	0.38
142-82-5	n-Heptane	100.21	45.3		0.82	0.23
79-01-6	Trichloroethene	131.39	52.5		0.20	0.13
80-62-6	Methyl methacrylate	100.12	44.7		2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	51.7		0.92	0.43
123-91-1	1,4-Dioxane	88.11	35.8		18	0.30
75-27-4	Bromodichloromethane	163.83	69.0		1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	47.4		0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	46.4		2.0	0.53
108-88-3	Toluene	92.14	38.4		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	48.6		0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	58.0		1.1	0.40
127-18-4	Tetrachloroethene	165.83	61.2		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	45.9		2.0	0.61
124-48-1	Dibromochloromethane	208.28	86.8		1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	77.6		1.5	0.32
108-90-7	Chlorobenzene	112.56	45.8		0.92	0.20
100-41-4	Ethylbenzene	106.17	44.6		0.87	0.30
179601-23-1	m,p-Xylene	106.17	89.0		2.2	0.41
95-47-6	o-Xylene	106.17	43.7		0.87	0.27
100-42-5	Styrene	104.15	44.2		0.85	0.25
75-25-2	Bromoform	252.75	106		2.1	1.2
98-82-8	Cumene	120.19	49.8		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	75.4		1.4	0.30
103-65-1	n-Propylbenzene	120.19	51.8		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	51.4		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	50.5		0.98	0.23
95-49-8	2-Chlorotoluene	126.59	53.3		1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-208690/3

Matrix: Air Lab File ID: 62088-03.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/17/2024 09:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 208690 Units: ug/m3

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	55.4		1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	50.9		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	57.2		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	56.1		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	60.1		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	60.0		1.2	0.54
100-44-7	Benzyl chloride	126.58	56.5		1.0	0.46
104-51-8	n-Butylbenzene	134.22	58.5		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	59.6		1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	75.1		3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	94.9		2.1	1.2
91-20-3	Naphthalene	128.17	58.7		2.0	1.6

Report Date: 18-Sep-2024 07:02:49 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-03.d
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 17-Sep-2024 09:13:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0062088-003
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Sep-2024 07:02:09 Calib Date: 23-Aug-2024 03:28:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20240822-61759.b\61759-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: YWL8 Date: 18-Sep-2024 07:02:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.029	4.029	0.000	98	58488	10.0	11.8	
2 Dichlorodifluoromethane	85	4.115	4.120	-0.005	100	192395	10.0	10.1	
3 Chlorodifluoromethane	51	4.158	4.158	0.000	97	119875	10.0	11.2	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.457	4.457	0.000	95	211001	10.0	10.3	
5 Chloromethane	50	4.575	4.575	0.000	99	67198	10.0	11.8	
6 Vinyl chloride	62	4.880	4.880	0.000	100	96505	10.0	11.9	
7 Butane	43	4.885	4.885	0.000	99	142651	10.0	13.1	
8 Butadiene	54	4.997	4.997	0.000	92	72917	10.0	11.6	
9 Bromomethane	94	5.746	5.746	0.000	99	72562	10.0	9.95	
11 BFB									
10 Chloroethane	64	6.041	6.041	0.000	100	41155	10.0	11.0	
12 2-Methylbutane	43	6.276	6.281	-0.005	92	83689	10.0	10.6	
13 Vinyl bromide	106	6.517	6.511	0.006	99	71720	10.0	9.65	
14 Trichlorofluoromethane	101	6.699	6.699	0.000	98	189950	10.0	9.50	
15 Pentane	43	6.939	6.939	0.000	96	128500	10.0	11.1	
16 Ethanol	45	7.127	7.127	0.000	98	47739	15.0	17.9	
18 Ethyl ether	59	7.426	7.421	0.005	92	52724	10.0	10.6	
19 Acrolein	56	7.704	7.699	0.005	96	31102	10.0	12.6	
20 1,1-Dichloroethene	96	7.940	7.940	0.000	98	80445	10.0	9.55	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.988	7.988	0.000	98	173095	10.0	9.85	
22 Acetone	43	8.031	8.031	0.000	98	118251	10.0	11.3	
23 Isopropyl alcohol	45	8.389	8.389	0.000	99	127848	10.0	12.5	
24 Carbon disulfide	76	8.432	8.432	0.000	99	227203	10.0	11.0	
25 Acetonitrile	41	8.625	8.630	-0.005	99	53448	10.0	11.7	
26 3-Chloro-1-propene	41	8.780	8.774	0.006	99	95925	10.0	10.1	
27 Methylene Chloride	49	9.058	9.058	0.000	92	89922	10.0	11.1	
28 2-Methyl-2-propanol	59	9.320	9.320	0.000	98	150607	10.0	10.3	
29 Acrylonitrile	53	9.534	9.529	0.005	94	52419	10.0	11.3	
30 trans-1,2-Dichloroethene	61	9.668	9.662	0.006	98	113057	10.0	10.8	
31 Methyl tert-butyl ether	73	9.673	9.673	0.000	97	227491	10.0	10.0	
S 35 1,2-Dichloroethene, Total	61				0		20.0	20.5	
32 Hexane	57	10.272	10.272	0.000	93	127556	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.567	10.566	0.001	100	149524	10.0	10.5	
34 Vinyl acetate	43	10.583	10.577	0.006	99	109522	10.0	12.3	
36 2-Butanone (MEK)	72	11.674	11.674	0.000	99	42448	10.0	10.7	
37 cis-1,2-Dichloroethene	96	11.706	11.706	0.000	92	91724	10.0	9.73	
38 Ethyl acetate	88	11.776	11.770	0.006	99	7698	10.0	9.83	
* 39 Chlorobromomethane	128	12.171	12.171	0.000	89	62245	10.0	10.0	
40 Tetrahydrofuran	42	12.236	12.236	0.000	91	89041	10.0	11.1	
41 Chloroform	83	12.364	12.364	0.000	97	170233	10.0	10.1	
42 1,1,1-Trichloroethane	97	12.712	12.712	0.000	99	169161	10.0	9.57	
43 Cyclohexane	84	12.878	12.878	0.000	96	120580	10.0	10.1	
44 Carbon tetrachloride	117	13.027	13.027	0.000	98	175040	10.0	9.67	
45 Benzene	78	13.402	13.402	0.000	96	267686	10.0	10.3	
46 1,2-Dichloroethane	62	13.477	13.477	0.000	92	110956	10.0	10.2	
47 Isooctane	57	13.632	13.632	0.000	99	420175	10.0	11.0	
48 n-Heptane	43	13.964	13.964	0.000	90	147395	10.0	11.0	
* 49 1,4-Difluorobenzene	114	14.188	14.188	0.000	94	324065	10.0	10.0	
50 n-Butanol	56	14.418	14.418	0.000	89	55615	10.0	10.7	
A 52 GRO	1	14.474	(6.271-22.678)		0	39252826	649.9	0	
51 Trichloroethene	95	14.659	14.659	0.000	99	118907	10.0	9.76	
53 1,2-Dichloropropane	63	15.141	15.140	0.001	89	101106	10.0	11.2	
54 Methyl methacrylate	69	15.215	15.215	0.000	98	96528	10.0	10.9	
55 1,4-Dioxane	88	15.285	15.285	0.000	92	57491	10.0	9.92	
57 Dibromomethane	174	15.312	15.312	0.000	95	117996	10.0	9.14	
58 Dichlorobromomethane	83	15.633	15.627	0.006	99	185519	10.0	10.3	
A 60 TVOC as Toluene	1	16.042	(4.019-28.065)		0	59629184	899.8	0	
59 cis-1,3-Dichloropropene	75	16.467	16.473	-0.006	93	160779	10.0	10.4	
61 4-Methyl-2-pentanone (MIBK)	43	16.729	16.729	0.000	97	189245	10.0	11.3	
62 Toluene	92	17.147	17.147	0.000	93	197629	10.0	10.2	
A 63 Toluene Range	1	17.160	(17.082-17.238)		0	788573	NC	NC	
64 n-Octane	43	17.382	17.382	0.000	90	212782	10.0	11.4	
A 65 C8 Range	1	17.398	(17.318-17.478)		0	864909	NC	NC	
66 trans-1,3-Dichloropropene	75	17.559	17.559	0.000	98	128828	10.0	10.7	
67 1,1,2-Trichloroethane	83	17.949	17.949	0.000	97	93758	10.0	10.6	
68 Tetrachloroethene	166	18.179	18.179	0.000	97	168398	10.0	9.03	
69 2-Hexanone	43	18.361	18.361	0.000	95	179199	10.0	11.2	
70 Chlorodibromomethane	129	18.725	18.725	0.000	97	192867	10.0	10.2	
71 Ethylene Dibromide	107	18.982	18.982	0.000	99	169915	10.0	10.1	
* 73 Chlorobenzene-d5	117	19.907	19.912	-0.005	85	285740	10.0	10.0	
74 Chlorobenzene	112	19.971	19.971	0.000	95	272704	10.0	9.95	
S 80 Xylenes, Total	106				0		30.0	30.6	
75 Ethylbenzene	91	20.153	20.153	0.000	98	441678	10.0	10.3	
76 m-Xylene & p-Xylene	106	20.405	20.410	-0.005	0	358453	20.0	20.5	
77 n-Nonane	57	20.442	20.442	0.000	88	213453	10.0	11.6	
78 o-Xylene	106	21.116	21.116	0.000	99	167206	10.0	10.1	
79 Styrene	104	21.148	21.148	0.000	99	275889	10.0	10.4	
81 Bromoform	173	21.469	21.469	0.000	97	191086	10.0	10.3	
82 Isopropylbenzene	105	21.737	21.737	0.000	98	503985	10.0	10.1	
83 1,1,2,2-Tetrachloroethane	83	22.197	22.197	0.000	99	246612	10.0	11.0	
84 1,2,3-Trichloropropane	75	22.298	22.298	0.000	98	195833	10.0	10.9	
85 N-Propylbenzene	91	22.395	22.395	0.000	99	605561	10.0	10.5	
86 2-Chlorotoluene	91	22.545	22.544	0.001	97	413047	10.0	10.3	
87 4-Ethyltoluene	105	22.577	22.577	0.000	98	507482	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	105	22.657	22.657	0.000	94	428853	10.0	10.3	
89 n-Decane	57	22.668	22.668	0.000	93	268394	10.0	11.7	
90 Alpha Methyl Styrene	118	22.973	22.972	0.000	90	220075	10.0	10.2	
91 tert-Butylbenzene	119	23.122	23.122	0.000	95	422541	10.0	10.1	
92 1,2,4-Trimethylbenzene	105	23.203	23.202	0.001	97	428929	10.0	10.4	
93 sec-Butylbenzene	105	23.443	23.438	0.005	99	638102	10.0	10.4	
94 1,3-Dichlorobenzene	146	23.636	23.636	0.000	97	291598	10.0	10.0	
95 4-Isopropyltoluene	119	23.657	23.652	0.005	98	552302	10.0	10.2	
96 1,4-Dichlorobenzene	146	23.780	23.780	0.000	96	281688	10.0	9.98	
97 Benzyl chloride	91	23.930	23.930	0.000	99	361633	10.0	10.9	
98 n-Butylbenzene	91	24.256	24.256	0.000	98	499495	10.0	10.7	
99 1,2-Dichlorobenzene	146	24.315	24.315	0.000	97	283240	10.0	9.91	
100 Undecane	57	24.385	24.385	0.000	94	257121	10.0	9.98	
101 Dodecane	57	26.134	26.134	0.000	96	165918	10.0	7.71	
102 1,2,4-Trichlorobenzene	180	27.033	27.033	0.000	94	192532	10.0	10.1	
103 Hexachlorobutadiene	225	27.306	27.306	0.000	98	201215	10.0	8.90	
104 Naphthalene	128	27.589	27.584	0.005	99	436723	10.0	11.2	
105 1,2,3-Trichlorobenzene	180	28.055	28.055	0.000	95	172983	10.0	9.74	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00879	Amount Added: 200.00	Units: mL	
ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

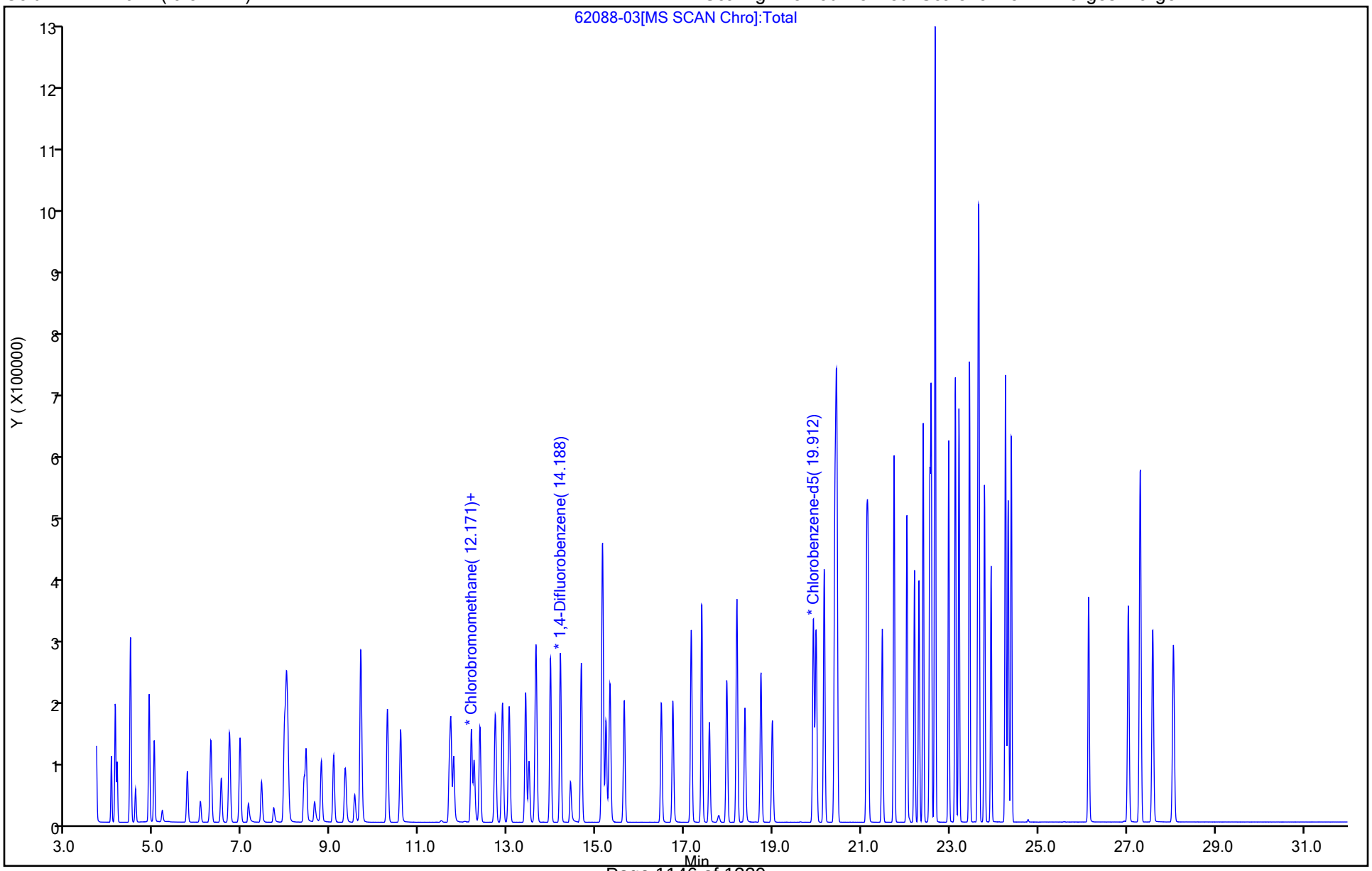
Report Date: 18-Sep-2024 07:02:49 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20240917-62088.b\62088-03.d

Injection Date:	17-Sep-2024 09:13:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Start Date: 06/18/2024 12:34

Analysis Batch Number: 205411 End Date: 06/19/2024 04:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-205411/1		06/18/2024 12:34	1	60827_001.D	RTX-624 0.32(mm)
IC 200-205411/4		06/18/2024 15:07	1	60827_004.D	RTX-624 0.32(mm)
IC 200-205411/5		06/18/2024 15:59	1	60827_005.D	RTX-624 0.32(mm)
ZZZZZ		06/18/2024 15:59	1		RTX-624 0.32(mm)
IC 200-205411/6		06/18/2024 16:51	1	60827_006.D	RTX-624 0.32(mm)
ZZZZZ		06/18/2024 16:51	1		RTX-624 0.32(mm)
IC 200-205411/7		06/18/2024 17:43	1	60827_007.D	RTX-624 0.32(mm)
ZZZZZ		06/18/2024 17:43	1		RTX-624 0.32(mm)
ICIS 200-205411/8		06/18/2024 18:35	1	60827_008.D	RTX-624 0.32(mm)
IC 200-205411/9		06/18/2024 19:27	1	60827_009.D	RTX-624 0.32(mm)
IC 200-205411/12		06/18/2024 22:04	1	60827_012.D	RTX-624 0.32(mm)
IC 200-205411/13		06/18/2024 22:56	1	60827_013.D	RTX-624 0.32(mm)
ICV 200-205411/16		06/19/2024 01:33	1	60827_016.D	RTX-624 0.32(mm)
ZZZZZ		06/19/2024 02:25	1		RTX-624 0.32(mm)
ZZZZZ		06/19/2024 03:17	1		RTX-624 0.32(mm)
ZZZZZ		06/19/2024 04:09	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHW.i Start Date: 08/22/2024 14:45

Analysis Batch Number: 207901 End Date: 08/23/2024 06:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-207901/1		08/22/2024 14:45	1	61759-01.d	RTX-624 0.32(mm)
IC 200-207901/4		08/22/2024 17:26	1	61759-04.d	RTX-624 0.32(mm)
IC 200-207901/5		08/22/2024 18:20	1	61759-05.d	RTX-624 0.32(mm)
IC 200-207901/7		08/22/2024 20:10	1	61759-07.d	RTX-624 0.32(mm)
IC 200-207901/9		08/22/2024 21:58	1	61759-09.d	RTX-624 0.32(mm)
ICIS 200-207901/10		08/22/2024 22:52	1	61759-10.d	RTX-624 0.32(mm)
IC 200-207901/11		08/22/2024 23:46	1	61759-11.d	RTX-624 0.32(mm)
IC 200-207901/14		08/23/2024 02:30	1	61759-14.d	RTX-624 0.32(mm)
IC 200-207901/15		08/23/2024 03:28	1	61759-15.d	RTX-624 0.32(mm)
ZZZZZ		08/23/2024 05:17	1		RTX-624 0.32(mm)
ICV 200-207901/18		08/23/2024 06:12	1	61759-18.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHAM.i Start Date: 09/17/2024 07:15

Analysis Batch Number: 208689 End Date: 09/18/2024 04:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-208689/1		09/17/2024 07:15	1	62087_001.D	RTX-624 0.32(mm)
CCVIS 200-208689/2		09/17/2024 08:03	1	62087_002.D	RTX-624 0.32(mm)
LCS 200-208689/3		09/17/2024 08:54	1	62087_003.D	RTX-624 0.32(mm)
ZZZZZ		09/17/2024 09:45	1		RTX-624 0.32(mm)
MB 200-208689/5		09/17/2024 10:37	1	62087_005.D	RTX-624 0.32(mm)
ZZZZZ		09/17/2024 11:38	0.2		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 12:30	1		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 13:24	2.22		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 14:16	1		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 15:07	1		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 15:59	10		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 16:51	10		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 17:43	10		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 18:35	10		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 19:27	10		RTX-624 0.32(mm)
200-75119-1	RXSV-8	09/17/2024 20:19	1	62087_016.D	RTX-624 0.32(mm)
200-75119-1 DL	RXSV-8 DL	09/17/2024 21:10	5	62087_017.D	RTX-624 0.32(mm)
200-75119-2	RXSV-2	09/17/2024 22:02	1	62087_018.D	RTX-624 0.32(mm)
ZZZZZ		09/17/2024 22:53	2		RTX-624 0.32(mm)
200-75119-3	RXSV-9	09/17/2024 23:45	1	62087_020.D	RTX-624 0.32(mm)
200-75119-3 DL	RXSV-9 DL	09/18/2024 00:36	2.5	62087_021.D	RTX-624 0.32(mm)
200-75119-4	RXSV-6	09/18/2024 01:28	1	62087_022.D	RTX-624 0.32(mm)
200-75119-5	RXSV-4	09/18/2024 02:19	1	62087_023.D	RTX-624 0.32(mm)
200-75119-6	RXSV-7	09/18/2024 03:11	1	62087_024.D	RTX-624 0.32(mm)
200-75119-7	RXSV-3	09/18/2024 04:02	1	62087_025.D	RTX-624 0.32(mm)
200-75119-8	RXSV-5	09/18/2024 04:54	1	62087_026.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Instrument ID: CHW.i Start Date: 09/17/2024 07:22

Analysis Batch Number: 208690 End Date: 09/18/2024 02:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-208690/1		09/17/2024 07:22	1	62088-01.d	RTX-624 0.32(mm)
CCVIS 200-208690/2		09/17/2024 08:18	1	62088-02.d	RTX-624 0.32(mm)
LCS 200-208690/3		09/17/2024 09:13	1	62088-03.d	RTX-624 0.32(mm)
ZZZZZ		09/17/2024 10:08	1		RTX-624 0.32(mm)
MB 200-208690/5		09/17/2024 11:03	1	62088-05.d	RTX-624 0.32(mm)
ZZZZZ		09/17/2024 12:13	0.2		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 13:04	10		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 13:56	10		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 14:49	10		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 15:40	10		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 16:36	1		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 17:33	1		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 18:26	1		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 19:21	1		RTX-624 0.32(mm)
200-75119-9	RXSV-1	09/17/2024 20:19	1	62088-15.d	RTX-624 0.32(mm)
200-75119-10	DUP_09132024	09/17/2024 21:14	1	62088-16.d	RTX-624 0.32(mm)
ZZZZZ		09/17/2024 22:09	1		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 23:02	2		RTX-624 0.32(mm)
ZZZZZ		09/17/2024 23:55	5		RTX-624 0.32(mm)
ZZZZZ		09/18/2024 00:47	10		RTX-624 0.32(mm)
ZZZZZ		09/18/2024 01:41	10		RTX-624 0.32(mm)
ZZZZZ		09/18/2024 02:34	10		RTX-624 0.32(mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Batch Number: 205411 Batch Start Date: 06/18/24 12:34 Batch Analyst: Bunma, Arthit 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15AMISs 00003	ATTO15CAL1w 00269	ATTO15CAL2w 00349	ATTO15CAL3w 00278
BFB 200-205411/1		TO-15			200 mL	200 mL	20 mL			
IC 200-205411/4		TO-15			200 mL	200 mL	20 mL	35 mL		
IC 200-205411/5		TO-15			200 mL	200 mL	20 mL	200 mL		
IC 200-205411/6		TO-15			200 mL	200 mL	20 mL		200 mL	
IC 200-205411/7		TO-15			200 mL	200 mL	20 mL			200 mL
ICIS 200-205411/8		TO-15			200 mL	200 mL	20 mL			
IC 200-205411/9		TO-15			200 mL	200 mL	20 mL			
IC 200-205411/12		TO-15			200 mL	200 mL	20 mL			
IC 200-205411/13		TO-15			200 mL	200 mL	20 mL			
ICV 200-205411/16		TO-15			200 mL	200 mL	20 mL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ATTO15CAL4w 00826	ATTO15CAL5w 00146	ATTO15CAL6w 00235	ATTO15CAL7w 00146	ATTO15LCSW 00878	
BFB 200-205411/1		TO-15								
IC 200-205411/4		TO-15								
IC 200-205411/5		TO-15								
IC 200-205411/6		TO-15								
IC 200-205411/7		TO-15								
ICIS 200-205411/8		TO-15			200 mL					
IC 200-205411/9		TO-15				200 mL				
IC 200-205411/12		TO-15					200 mL			
IC 200-205411/13		TO-15						200 mL		
ICV 200-205411/16		TO-15							200 mL	

Batch Notes

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Batch Number: 205411 Batch Start Date: 06/18/24 12:34 Batch Analyst: Bunma, Arthit 1

Batch Method: TO-15 Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Batch Number: 207901 Batch Start Date: 08/22/24 14:45 Batch Analyst: Bourdeau, Timothy P

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15CAL1w 00271	ATTO15CAL2w 00351	ATTO15CAL3w 00280	ATTO15CAL4w 00829
BFB 200-207901/1		TO-15			200 mL	200 mL				
IC 200-207901/4		TO-15			200 mL	200 mL	35 mL			
IC 200-207901/5		TO-15			200 mL	200 mL	170 mL			
IC 200-207901/7		TO-15			200 mL	200 mL		170 mL		
IC 200-207901/9		TO-15			200 mL	200 mL			170 mL	
ICIS 200-207901/10		TO-15			200 mL	200 mL				200 mL
IC 200-207901/11		TO-15			200 mL	200 mL				
IC 200-207901/14		TO-15			200 mL	200 mL				
IC 200-207901/15		TO-15			200 mL	200 mL				
ICV 200-207901/18		TO-15			200 mL	200 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ATTO15CAL5w 00148	ATTO15CAL6w 00237	ATTO15LCSW 00879	ATTO15WISs 00010		
BFB 200-207901/1		TO-15						20 mL		
IC 200-207901/4		TO-15						20 mL		
IC 200-207901/5		TO-15						20 mL		
IC 200-207901/7		TO-15						20 mL		
IC 200-207901/9		TO-15						20 mL		
ICIS 200-207901/10		TO-15						20 mL		
IC 200-207901/11		TO-15			200 mL			20 mL		
IC 200-207901/14		TO-15				200 mL		20 mL		
IC 200-207901/15		TO-15				400 mL		20 mL		
ICV 200-207901/18		TO-15					200 mL	20 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Batch Number: 207901 Batch Start Date: 08/22/24 14:45 Batch Analyst: Bourdeau, Timothy P

Batch Method: TO-15 Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Batch Number: 208689 Batch Start Date: 09/17/24 07:15 Batch Analyst: Bourdeau, Timothy P

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15AMISs 00004	ATTO15CAL4w 00829	ATTO15LCSW 00879	
BFB 200-208689/1		TO-15			200 mL	200 mL	20 mL			
CCVIS 200-208689/2		TO-15			200 mL	200 mL	20 mL	200 mL		
LCS 200-208689/3		TO-15			200 mL	200 mL	20 mL		200 mL	
MB 200-208689/5		TO-15			200 mL	200 mL	20 mL			
200-75119-A-1	RXSV-8	TO-15	Air	T	200 mL	200 mL	20 mL			
200-75119-A-1	RXSV-8	TO-15	Air	T	40 mL	200 mL	20 mL			
200-75119-A-2	RXSV-2	TO-15	Air	T	200 mL	200 mL	20 mL			
200-75119-A-3	RXSV-9	TO-15	Air	T	200 mL	200 mL	20 mL			
200-75119-A-3	RXSV-9	TO-15	Air	T	80 mL	200 mL	20 mL			
200-75119-A-4	RXSV-6	TO-15	Air	T	200 mL	200 mL	20 mL			
200-75119-A-5	RXSV-4	TO-15	Air	T	200 mL	200 mL	20 mL			
200-75119-A-6	RXSV-7	TO-15	Air	T	200 mL	200 mL	20 mL			
200-75119-A-7	RXSV-3	TO-15	Air	T	200 mL	200 mL	20 mL			
200-75119-A-8	RXSV-5	TO-15	Air	T	200 mL	200 mL	20 mL			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75119-1

SDG No.:

Batch Number: 208690 Batch Start Date: 09/17/24 07:22 Batch Analyst: Puangmalee, Kesanee 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00829	ATTO15LCSW 00879	ATTO15WISs 00010	
BFB 200-208690/1		TO-15			200 mL	200 mL			20 mL	
CCVIS 200-208690/2		TO-15			200 mL	200 mL	200 mL		20 mL	
LCS 200-208690/3		TO-15			200 mL	200 mL		200 mL	20 mL	
MB 200-208690/5		TO-15			200 mL	200 mL			20 mL	
200-75119-A-9	RXSV-1	TO-15	Air	T	200 mL	200 mL			20 mL	
200-75119-A-10	DUP_09132024	TO-15	Air	T	200 mL	200 mL			20 mL	

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
200-75119	09/16/24	12:20	30.1	23	G23	ZK

Sampling Information and Return Equipment Check	Yes	N o	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	Yes		
(2) Is the flow controller ID used for each canister recorded?	Yes		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		N o	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		N o	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
200-75119-A-1	6394	-5.7	N	4/34	NA	Y	6020-61584	
200-75119-A-2	2540	-7.7	N	6228	NA	Y	2615-61451	
200-75119-A-3	5448	-6.1	N	8818	NA	Y	2553-61545	
200-75119-A-4	2739	-8.2	N	4048	NA	Y	2553-61545	
200-75119-A-5	3210	-5.7	N	4490	NA	Y	5409-61451	
200-75119-A-6	9267	-7.8	N	3133	NA	Y	6020-61584	
200-75119-A-7	34000143	-3.8	N	6156	NA	Y	2553-61545	
200-75119-A-8	5714	-7.1	N	4058	NA	Y	2553-61545	
200-75119-A-9	34001296	-7.1	N	3490	NA	Y	6020-61584	
200-75119-A-10	3012	-5.4	N	9164	NA	Y	2553-61545	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Top Rack	10	15	7/31/2024	1045	24	24	SML III	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	2565	0	0	0	-29.9	GA01	8/2/24	1212	SL	26.0	GA01	8/11/24	1420	RB	22.0
2	5123			0		GA01					GA01				
3	34000032			0		GA01					GA01				
4	9242			0		GA01					GA01				
5	5624			0		GA01					GA01				
6	2615	0	0	0	29.9	GA01	8/11/24	1200		24.0	GA01	8/12/24	0930		24.0
7	2955	0	0	0	-29.9	GA01	8/2/24	1212		26.0	GA01	8/11/24	1420	RB	22.0
8	4309			0		GA01					GA01				
9	2864			0		GA01					GA01				
10	4333		.16	.16		GA01					GA01				
11	34001063		0	0		GA01					GA01				
12	2540			0		GA01					GA01				

MJVI

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

200-74575-A-6

2615
Location: Air-Storage
Bottle: Summa Canister 6L

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
2615	8/5/24	61451	KPI		XXXXXX				8/5/24	RPS

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Bottom Rack	10		7/31/2024	1045	24	24	SML III	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	5122	Ø	Ø	Ø	-29.9	GA01	8/2/24	1212	SML	26.0	GA01	8/11/24	1200		24.0
2	34000135			Ø		GA01					GA01				
3	34000245			Ø		GA01					GA01				
4	2677			Ø		GA01					GA01				
5	3210			Ø		GA01					GA01				
6	5409	Ø	Ø	Ø	-30.3	GA01	8/11/24	1400		24.0	GA01	8/15/24	1140	SML	24.0
7	3425	Ø	Ø	Ø	-29.9	GA01	8/2/24	1212	SML	26.0	GA01	8/11/24	1200		24.0
8	6978			Ø		GA01					GA01				
9	4456			Ø		GA01					GA01				
10	5433			Ø		GA01					GA01				
11	4011			Ø		GA01					GA01				
12	5700	✓	—	Ø		GA01	✓	✓	✓	✓	GA01	✓	✓	✓	✓

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
5409	8/5/24	61451	KB1		XXXXX				8/5/24	TRB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

200-74590-A-6
8409
Location: Air Storage

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 1/2	10	5	8/7/2024	1530	23	23	SML III	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	5904	0	0	0	-30.1	GA01	8/8/24	1148	[illegible]	24.0	GA01	8/26/24	1455	[illegible]	24.0
2	34001304	0	0	0		GA01					GA01				
3	34001216		0	0		GA01					GA01				
4	5714		0	0		GA01					GA01				
5	34000143		0	0		GA01					GA01				
6	34001039		.12	.12		GA01					GA01				
7	2791		0	0		GA01					GA01				
8	2739		0	0		GA01					GA01				
9	2553	0	0	0	-29.8	GA01	9/1/24	1140	[illegible]	23.0	GA01	9/1/24	1140	[illegible]	25.0
10	3012	0	.14	.14	-30.1	GA01	8/8/24	1148	[illegible]	24.0	GA01	8/26/24	1455	[illegible]	24.0
11	5448		0	0		GA01					GA01				
12	3153		0	0		GA01					GA01				

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
2553	8/12/24	61545	KB1		XXXXXX				8/12/24	[illegible]

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Page 1 of 1330

200-74672-A-9
2553
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 8/7/2024 12:00 AM
200-1915697

Loc: 200
74672
#9 A
Air-Stora

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 1/2	10	50	8/9/2024	1220	23	23	SML III	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	9267	0	0	0	-30.1	GA01	8/10/24	1335	KB	23.0	GA01	8/26/24	1633	KB	24.0
2	4916			0		GA01					GA01				
3	9228			0		GA01					GA01				
4	34001296			0		GA01					GA01				
5	34001584			0		GA01					GA01				
6	4081			0		GA01					GA01				
7	6169			0		GA01					GA01				
8	5042			0		GA01					GA01				
9	5106	—	—	0	—	GA01					GA01				
10	6020	0	0	0	-29.8	GA01	9/1/24	1135	KB	23.0	GA01	9/1/24	1135	KB	23.0
11	6394	0	0	0	-30.1	GA01	8/10/24	1335	KB	23.0	GA01	8/26/24	1633	KB	24.0
12	3639	—	—	0	—	GA01					GA01				

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
6020	8/14/24	61584	AB1		XXXXX				8/19/24	KP

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

200-74702-A-10
6020
Location: Air Storage
Bottle Number: [illegible]
Temp: [illegible]

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61451_004.D

Lab ID: LCS 200-207101/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Ethylbenzene	10.0	10.9	109	74-122	
Styrene	10.0	10.7	107	74-125	
1,3-Dichloropropene, cis-	10.0	10.9	109	74-125	
1,3-Dichloropropene, trans-	10.0	12.0	120	74-128	
1,4-Dichlorobenzene	10.0	10.0	100	67-132	
1,2-Dibromoethane	10.0	10.7	107	78-122	
1,3-Butadiene	10.0	11.8	118	58-139	
Allyl chloride	10.0	11.8	118	50-150	
1,2-Dichloroethane	10.0	11.1	111	68-135	
Methyl isobutyl ketone (MIBK)	10.0	12.1	121	58-144	
1,3,5-Trimethylbenzene	10.0	11.1	111	72-126	
Toluene	10.0	10.8	108	75-122	
Chlorobenzene	10.0	10.5	105	76-119	
Tetrahydrofuran	10.0	12.2	122	60-149	
Hexane	10.0	11.4	114	63-138	
Cyclohexane	10.0	10.8	108	76-124	
1,2,4-Trichlorobenzene	10.0	8.53	85	50-150	
1,4-Dioxane	10.0	10.2	102	66-129	
Dibromochloromethane	10.0	10.5	105	73-125	
Tetrachloroethene	10.0	9.75	97	70-125	
n-Heptane	10.0	12.0	120	60-142	
1,2-Dichloroethene, cis-	10.0	9.88	99	72-121	
1,2-Dichloroethene, trans-	10.0	11.4	114	69-137	
Methyl tert-butyl ether	10.0	11.3	113	70-127	
m,p-Xylene	20.0	21.4	107	76-121	
2,2,4-Trimethylpentane	10.0	11.7	117	68-131	
1,3-Dichlorobenzene	10.0	10.0	100	69-131	
Carbon tetrachloride	10.0	10.2	102	71-133	
Vinyl bromide	10.0	10.5	105	75-125	
4-Ethyltoluene	10.0	11.1	111	75-129	
Ethanol	15.0	20.0	133	50-150	
Isopropanol	10.0	11.2	112	53-142	
Acetone	10.0	12.6	126	54-154	
Chloroform	10.0	10.7	107	73-124	
Benzene	10.0	11.1	111	73-119	
1,1,1-Trichloroethane	10.0	10.4	104	72-127	
Bromomethane	10.0	10.6	106	72-124	
Chloromethane	10.0	12.4	124	56-141	
Chloroethane	10.0	11.9	119	68-130	
Vinyl chloride	10.0	12.1	121	61-135	
Methylene Chloride	10.0	11.9	119	59-137	
Carbon disulfide	10.0	11.1	111	71-138	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61451_004.D

Lab ID: LCS 200-207101/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromoform	10.0	10.3	103	53-149	
Bromodichloromethane	10.0	11.0	110	75-127	
1,1-Dichloroethane	10.0	10.9	109	66-130	
1,1-Dichloroethene	10.0	10.1	101	68-120	
tert-Butyl alcohol	10.0	11.5	115	66-132	
Trichlorofluoromethane	10.0	10.2	102	70-129	
Dichlorodifluoromethane	10.0	10.6	106	61-142	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.1	101	70-121	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	71-141	
1,2-Dichloropropane	10.0	11.7	117	69-128	
Methyl ethyl ketone (MEK)	10.0	10.9	109	72-124	
1,1,2-Trichloroethane	10.0	11.5	115	75-126	
Trichloroethene	10.0	10.4	104	73-122	
1,1,2,2-Tetrachloroethane	10.0	11.4	114	74-126	
Methyl methacrylate	10.0	11.3	113	73-129	
Hexachlorobutadiene	10.0	8.94	89	58-130	
Naphthalene	10.0	10.5	105	50-150	
Xylene, o-	10.0	10.7	107	73-123	
2-Chlorotoluene	10.0	10.7	107	74-126	
1,2-Dichlorobenzene	10.0	10.2	102	68-129	
1,2,4-Trimethylbenzene	10.0	10.9	109	71-129	
2-Hexanone	10.0	11.9	119	57-143	
Propene	10.0	12.1	121	50-158	
Chlorodifluoromethane	10.0	11.6	116	60-147	
Butane	10.0	13.7	137	53-151	
Vinyl acetate	10.0	12.2	122	59-149	
Ethyl acetate	10.0	11.1	111	70-131	
Isopropylbenzene	10.0	10.8	108	73-123	
N-Propylbenzene	10.0	11.3	113	73-127	
tert-Butylbenzene	10.0	10.7	107	71-125	
sec-Butylbenzene	10.0	11.2	112	70-128	
4-Isopropyltoluene	10.0	10.7	107	68-130	
Benzyl chloride	10.0	11.2	112	60-136	
n-Butylbenzene	10.0	11.1	111	65-137	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61451_004.D

Lab ID: LCS 200-207101/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	12.1	121	50-158	
Dichlorodifluoromethane	10.0	10.6	106	61-142	
Freon 22	10.0	11.6	116	60-147	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	71-141	
Chloromethane	10.0	12.4	124	56-141	
n-Butane	10.0	13.7	137	53-151	
Vinyl chloride	10.0	12.1	121	61-135	
1,3-Butadiene	10.0	11.8	118	58-139	
Bromomethane	10.0	10.6	106	72-124	
Chloroethane	10.0	11.9	119	68-130	
Bromoethene(Vinyl Bromide)	10.0	10.5	105	75-125	
Trichlorofluoromethane	10.0	10.2	102	70-129	
Ethanol	15.0	20.0	133	50-150	
Freon TF	10.0	10.1	101	70-121	
1,1-Dichloroethene	10.0	10.1	101	68-120	
Acetone	10.0	12.6	126	54-154	
Isopropyl alcohol	10.0	11.2	112	53-142	
Carbon disulfide	10.0	11.1	111	71-138	
3-Chloropropene	10.0	11.8	118	50-150	
Methylene Chloride	10.0	11.9	119	59-137	
tert-Butyl alcohol	10.0	11.5	115	66-132	
Methyl tert-butyl ether	10.0	11.3	113	70-127	
trans-1,2-Dichloroethene	10.0	11.4	114	69-137	
n-Hexane	10.0	11.4	114	63-138	
1,1-Dichloroethane	10.0	10.9	109	66-130	
Vinyl acetate	10.0	12.2	122	59-149	
Ethyl acetate	10.0	11.1	111	70-131	
Methyl Ethyl Ketone	10.0	10.9	109	72-124	
cis-1,2-Dichloroethene	10.0	9.88	99	72-121	
Chloroform	10.0	10.7	107	73-124	
Tetrahydrofuran	10.0	12.2	122	60-149	
1,1,1-Trichloroethane	10.0	10.4	104	72-127	
Cyclohexane	10.0	10.8	108	76-124	
Carbon tetrachloride	10.0	10.2	102	71-133	
2,2,4-Trimethylpentane	10.0	11.7	117	68-131	
Benzene	10.0	11.1	111	73-119	
1,2-Dichloroethane	10.0	11.1	111	68-135	
n-Heptane	10.0	12.0	120	60-142	
Trichloroethene	10.0	10.4	104	73-122	
Methyl methacrylate	10.0	11.3	113	73-129	
1,2-Dichloropropane	10.0	11.7	117	69-128	
1,4-Dioxane	10.0	10.2	102	66-129	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61451_004.D

Lab ID: LCS 200-207101/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.0	110	75-127	
cis-1,3-Dichloropropene	10.0	10.9	109	74-125	
methyl isobutyl ketone	10.0	12.1	121	58-144	
Toluene	10.0	10.8	108	75-122	
trans-1,3-Dichloropropene	10.0	12.0	120	74-128	
1,1,2-Trichloroethane	10.0	11.5	115	75-126	
Tetrachloroethene	10.0	9.75	97	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.9	119	57-143	
Dibromochloromethane	10.0	10.5	105	73-125	
1,2-Dibromoethane	10.0	10.7	107	78-122	
Chlorobenzene	10.0	10.5	105	76-119	
Ethylbenzene	10.0	10.9	109	74-122	
m,p-Xylene	20.0	21.4	107	76-121	
Xylene, o-	10.0	10.7	107	73-123	
Styrene	10.0	10.7	107	74-125	
Bromoform	10.0	10.3	103	53-149	
Cumene	10.0	10.8	108	73-123	
1,1,2,2-Tetrachloroethane	10.0	11.4	114	74-126	
n-Propylbenzene	10.0	11.3	113	73-127	
4-Ethyltoluene	10.0	11.1	111	75-129	
1,3,5-Trimethylbenzene	10.0	11.1	111	72-126	
2-Chlorotoluene	10.0	10.7	107	74-126	
tert-Butylbenzene	10.0	10.7	107	71-125	
1,2,4-Trimethylbenzene	10.0	10.9	109	71-129	
sec-Butylbenzene	10.0	11.2	112	70-128	
4-Isopropyltoluene	10.0	10.7	107	68-130	
1,3-Dichlorobenzene	10.0	10.0	100	69-131	
1,4-Dichlorobenzene	10.0	10.0	100	67-132	
Benzyl chloride	10.0	11.2	112	60-136	
n-Butylbenzene	10.0	11.1	111	65-137	
1,2-Dichlorobenzene	10.0	10.2	102	68-129	
1,2,4-Trichlorobenzene	10.0	8.53	85	50-150	
Hexachlorobutadiene	10.0	8.94	89	58-130	
Naphthalene	10.0	10.5	105	50-150	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61545-03.D

Lab ID: LCS 200-207356/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	12.0	120	50-158	
Dichlorodifluoromethane	10.0	9.27	93	61-142	
Freon 22	10.0	10.7	107	60-147	
1,2-Dichlorotetrafluoroethane	10.0	11.3	113	71-141	
Chloromethane	10.0	11.8	118	56-141	
n-Butane	10.0	9.36	94	53-151	
Vinyl chloride	10.0	10.3	103	61-135	
1,3-Butadiene	10.0	9.98	100	58-139	
Bromomethane	10.0	9.22	92	72-124	
Chloroethane	10.0	9.78	98	68-130	
Bromoethene(Vinyl Bromide)	10.0	9.59	96	75-125	
Trichlorofluoromethane	10.0	9.34	93	70-129	
Ethanol	15.0	14.4	96	50-150	
Freon TF	10.0	9.85	98	70-121	
1,1-Dichloroethene	10.0	9.71	97	68-120	
Acetone	10.0	10.3	103	54-154	
Isopropyl alcohol	10.0	11.4	114	53-142	
Carbon disulfide	10.0	9.61	96	71-138	
3-Chloropropene	10.0	9.02	90	50-150	
Methylene Chloride	10.0	9.82	98	59-137	
tert-Butyl alcohol	10.0	10.0	100	66-132	
Methyl tert-butyl ether	10.0	9.95	99	70-127	
trans-1,2-Dichloroethene	10.0	9.59	96	69-137	
n-Hexane	10.0	9.69	97	63-138	
1,1-Dichloroethane	10.0	9.45	94	66-130	
Vinyl acetate	10.0	11.0	110	59-149	
Ethyl acetate	10.0	10.4	104	70-131	
Methyl Ethyl Ketone	10.0	10.2	102	72-124	
cis-1,2-Dichloroethene	10.0	9.62	96	72-121	
Chloroform	10.0	9.70	97	73-124	
Tetrahydrofuran	10.0	10.1	101	60-149	
1,1,1-Trichloroethane	10.0	10.1	101	72-127	
Cyclohexane	10.0	10.3	103	76-124	
Carbon tetrachloride	10.0	10.2	102	71-133	
2,2,4-Trimethylpentane	10.0	10.4	104	68-131	
Benzene	10.0	9.89	99	73-119	
1,2-Dichloroethane	10.0	9.89	99	68-135	
n-Heptane	10.0	10.2	102	60-142	
Trichloroethene	10.0	9.82	98	73-122	
Methyl methacrylate	10.0	10.5	105	73-129	
1,2-Dichloropropane	10.0	10.1	101	69-128	
1,4-Dioxane	10.0	11.3	113	66-129	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61545-03.D

Lab ID: LCS 200-207356/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.95	100	75-127	
cis-1,3-Dichloropropene	10.0	10.2	102	74-125	
methyl isobutyl ketone	10.0	10.3	103	58-144	
Toluene	10.0	10.5	105	75-122	
trans-1,3-Dichloropropene	10.0	10.2	102	74-128	
1,1,2-Trichloroethane	10.0	10.2	102	75-126	
Tetrachloroethene	10.0	10.2	102	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.1	111	57-143	
Dibromochloromethane	10.0	10.5	105	73-125	
1,2-Dibromoethane	10.0	10.4	104	78-122	
Chlorobenzene	10.0	10.3	103	76-119	
Ethylbenzene	10.0	10.7	107	74-122	
m,p-Xylene	20.0	22.4	112	76-121	
Xylene, o-	10.0	10.9	109	73-123	
Styrene	10.0	11.1	111	74-125	
Bromoform	10.0	10.5	105	53-149	
Cumene	10.0	10.9	109	73-123	
1,1,2,2-Tetrachloroethane	10.0	10.5	105	74-126	
n-Propylbenzene	10.0	11.0	110	73-127	
4-Ethyltoluene	10.0	11.2	112	75-129	
1,3,5-Trimethylbenzene	10.0	10.7	107	72-126	
2-Chlorotoluene	10.0	10.7	107	74-126	
tert-Butylbenzene	10.0	10.7	107	71-125	
1,2,4-Trimethylbenzene	10.0	10.9	109	71-129	
sec-Butylbenzene	10.0	10.9	109	70-128	
4-Isopropyltoluene	10.0	10.9	109	68-130	
1,3-Dichlorobenzene	10.0	10.4	104	69-131	
1,4-Dichlorobenzene	10.0	10.4	104	67-132	
Benzyl chloride	10.0	11.0	110	60-136	
n-Butylbenzene	10.0	11.5	115	65-137	
1,2-Dichlorobenzene	10.0	10.5	105	68-129	
1,2,4-Trichlorobenzene	10.0	12.7	127	50-150	
Hexachlorobutadiene	10.0	11.7	117	58-130	
Naphthalene	10.0	13.7	137	50-150	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61584_003.D

Lab ID: LCS 200-207469/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.2	102	50-158	
Dichlorodifluoromethane	10.0	10.4	104	61-142	
Freon 22	10.0	10.2	102	60-147	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	71-141	
Chloromethane	10.0	10.1	101	56-141	
n-Butane	10.0	9.05	91	53-151	
Vinyl chloride	10.0	9.24	92	61-135	
1,3-Butadiene	10.0	9.13	91	58-139	
Bromomethane	10.0	10.3	103	72-124	
Chloroethane	10.0	10.3	103	68-130	
Bromoethene(Vinyl Bromide)	10.0	10.5	105	75-125	
Trichlorofluoromethane	10.0	10.0	100	70-129	
Ethanol	15.0	17.1	114	50-150	
Freon TF	10.0	9.57	96	70-121	
1,1-Dichloroethene	10.0	8.96	90	68-120	
Acetone	10.0	10.1	101	54-154	
Isopropyl alcohol	10.0	11.4	114	53-142	
Carbon disulfide	10.0	9.89	99	71-138	
3-Chloropropene	10.0	8.34	83	50-150	
Methylene Chloride	10.0	9.55	95	59-137	
tert-Butyl alcohol	10.0	10.3	103	66-132	
Methyl tert-butyl ether	10.0	9.80	98	70-127	
trans-1,2-Dichloroethene	10.0	9.54	95	69-137	
n-Hexane	10.0	9.60	96	63-138	
1,1-Dichloroethane	10.0	9.27	93	66-130	
Vinyl acetate	10.0	11.3	113	59-149	
Ethyl acetate	10.0	10.3	103	70-131	
Methyl Ethyl Ketone	10.0	9.95	100	72-124	
cis-1,2-Dichloroethene	10.0	9.04	90	72-121	
Chloroform	10.0	9.77	98	73-124	
Tetrahydrofuran	10.0	9.90	99	60-149	
1,1,1-Trichloroethane	10.0	9.78	98	72-127	
Cyclohexane	10.0	9.91	99	76-124	
Carbon tetrachloride	10.0	9.88	99	71-133	
2,2,4-Trimethylpentane	10.0	9.87	99	68-131	
Benzene	10.0	9.91	99	73-119	
1,2-Dichloroethane	10.0	9.85	99	68-135	
n-Heptane	10.0	9.76	98	60-142	
Trichloroethene	10.0	10.1	101	73-122	
Methyl methacrylate	10.0	10.3	103	73-129	
1,2-Dichloropropane	10.0	9.89	99	69-128	
1,4-Dioxane	10.0	10.1	101	66-129	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 61584_003.D

Lab ID: LCS 200-207469/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.0	100	75-127	
cis-1,3-Dichloropropene	10.0	10.0	100	74-125	
methyl isobutyl ketone	10.0	10.2	102	58-144	
Toluene	10.0	10.1	101	75-122	
trans-1,3-Dichloropropene	10.0	10.8	108	74-128	
1,1,2-Trichloroethane	10.0	10.1	101	75-126	
Tetrachloroethene	10.0	10.0	100	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.4	104	57-143	
Dibromochloromethane	10.0	9.78	98	73-125	
1,2-Dibromoethane	10.0	10.3	103	78-122	
Chlorobenzene	10.0	10.0	100	76-119	
Ethylbenzene	10.0	10.1	101	74-122	
m,p-Xylene	20.0	20.4	102	76-121	
Xylene, o-	10.0	10.2	102	73-123	
Styrene	10.0	10.6	106	74-125	
Bromoform	10.0	8.94	89	53-149	
Cumene	10.0	10.2	102	73-123	
1,1,2,2-Tetrachloroethane	10.0	9.87	99	74-126	
n-Propylbenzene	10.0	10.1	101	73-127	
4-Ethyltoluene	10.0	10.3	103	75-129	
1,3,5-Trimethylbenzene	10.0	10.3	103	72-126	
2-Chlorotoluene	10.0	10.1	101	74-126	
tert-Butylbenzene	10.0	10.3	103	71-125	
1,2,4-Trimethylbenzene	10.0	10.2	102	71-129	
sec-Butylbenzene	10.0	10.3	103	70-128	
4-Isopropyltoluene	10.0	10.2	102	68-130	
1,3-Dichlorobenzene	10.0	10.0	100	69-131	
1,4-Dichlorobenzene	10.0	10.2	102	67-132	
Benzyl chloride	10.0	9.34	93	60-136	
n-Butylbenzene	10.0	10.2	102	65-137	
1,2-Dichlorobenzene	10.0	9.91	99	68-129	
1,2,4-Trichlorobenzene	10.0	11.5	115	50-150	
Hexachlorobutadiene	10.0	11.8	118	58-130	
Naphthalene	10.0	11.1	111	50-150	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Lab File ID: 61451_006.D Lab Sample ID: MB 200-207101/6

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

Instrument ID: CHAM.i Date Analyzed: 08/02/2024 11:49

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-207101/4	61451_004.D	08/02/2024 10:04
2615	200-74575-6	61451_019.D	08/02/2024 23:53

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207101/6

Matrix: Air Lab File ID: 61451_006.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/02/2024 11:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.20	U	0.20	0.069
100-42-5	Styrene	0.20	U	0.20	0.059
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.045
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.054
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.089
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.042
106-99-0	1,3-Butadiene	0.20	U	0.20	0.039
107-05-1	Allyl chloride	0.50	U	0.50	0.12
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.093
108-10-1	Methyl isobutyl ketone (MIBK)	0.50	U	0.50	0.13
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.047
108-88-3	Toluene	0.20	U	0.20	0.062
108-90-7	Chlorobenzene	0.20	U	0.20	0.044
109-99-9	Tetrahydrofuran	5.0	U	5.0	1.3
110-54-3	Hexane	0.50	U	0.50	0.11
110-82-7	Cyclohexane	0.20	U	0.20	0.058
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.33
123-91-1	1,4-Dioxane	0.20	U	0.20	0.082
124-48-1	Dibromochloromethane	0.20	U	0.20	0.063
127-18-4	Tetrachloroethene	0.20	U	0.20	0.021
142-82-5	n-Heptane	0.20	U	0.20	0.055
156-59-2	1,2-Dichloroethene, cis-	0.14	U	0.14	0.021
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.023
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.036
179601-23-1	m,p-Xylene	0.50	U	0.50	0.095
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.038
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.074
56-23-5	Carbon tetrachloride	0.14	U	0.14	0.022
593-60-2	Vinyl bromide	0.20	U	0.20	0.050
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.049
64-17-5	Ethanol	5.0	U	5.0	2.6
67-63-0	Isopropanol	5.0	U	5.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207101/6

Matrix: Air Lab File ID: 61451_006.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/02/2024 11:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	5.0	U	5.0	1.6
67-66-3	Chloroform	0.20	U	0.20	0.041
71-43-2	Benzene	0.20	U	0.20	0.044
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.044
74-83-9	Bromomethane	0.20	U	0.20	0.071
74-87-3	Chloromethane	0.50	U	0.50	0.15
75-00-3	Chloroethane	0.50	U	0.50	0.18
75-01-4	Vinyl chloride	0.14	U	0.14	0.021
75-09-2	Methylene Chloride	0.50	U	0.50	0.18
75-15-0	Carbon disulfide	0.50	U	0.50	0.13
75-25-2	Bromoform	0.20	U	0.20	0.12
75-27-4	Bromodichloromethane	0.20	U	0.20	0.050
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.025
75-35-4	1,1-Dichloroethene	0.14	U	0.14	0.026
75-65-0	tert-Butyl alcohol	5.0	U	5.0	1.2
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.050
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.053
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.094
78-93-3	Methyl ethyl ketone (MEK)	0.50	U	0.50	0.49
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.074
79-01-6	Trichloroethene	0.14	U	0.14	0.025
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043
80-62-6	Methyl methacrylate	0.50	U	0.50	0.14
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.11
91-20-3	Naphthalene	0.50	U	0.50	0.30
95-47-6	Xylene, o-	0.20	U	0.20	0.063
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.046
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.066
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.080
591-78-6	2-Hexanone	0.50	U	0.50	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207101/6

Matrix: Air Lab File ID: 61451_006.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/02/2024 11:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-07-1	Propene	5.0	U	5.0	1.2
75-45-6	Chlorodifluoromethane	0.50	U	0.50	0.12
106-97-8	Butane	0.50	U	0.50	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	1.2
141-78-6	Ethyl acetate	5.0	U	5.0	1.6
98-82-8	Isopropylbenzene	0.20	U	0.20	0.041
103-65-1	N-Propylbenzene	0.20	U	0.20	0.047
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.047
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.061
100-44-7	Benzyl chloride	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	0.20	U	0.20	0.11

Report Date: 04-Aug-2024 20:57:30 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_006.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 02-Aug-2024 11:49:40 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061451-006
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Aug-2024 20:54:03 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: YWL8 Date: 04-Aug-2024 20:57:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.315					ND	7
2 Dichlorodifluoromethane	85		4.412					ND	
3 Chlorodifluoromethane	51		4.465					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.786					ND	
5 Chloromethane	50		4.915					ND	
7 Butane	43		5.214					ND	7
6 Vinyl chloride	62		5.214					ND	
8 Butadiene	54		5.332					ND	
9 Bromomethane	94		6.081					ND	
10 Chloroethane	64		6.359					ND	
12 2-Methylbutane	43		6.568					ND	7
13 Vinyl bromide	106		6.792					ND	
14 Trichlorofluoromethane	101		6.953					ND	
15 Pentane	43		7.156					ND	7
16 Ethanol	45		7.354					ND	
18 Ethyl ether	59		7.584					ND	
19 Acrolein	56		7.846					ND	
20 1,1-Dichloroethene	96		8.034					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.071					ND	
22 Acetone	43		8.130					ND	7
23 Isopropyl alcohol	45		8.435					ND	7
24 Carbon disulfide	76		8.440					ND	7
25 Acetonitrile	41		8.654					ND	
26 3-Chloro-1-propene	41		8.745					ND	7
27 Methylene Chloride	49		8.986					ND	7
28 2-Methyl-2-propanol	59		9.216					ND	
29 Acrylonitrile	53		9.408					ND	
30 trans-1,2-Dichloroethene	61		9.483					ND	
31 Methyl tert-butyl ether	73		9.483					ND	
32 Hexane	57		9.992					ND	7
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
33 1,1-Dichloroethane	63		10.270					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		10.275					ND	
36 2-Butanone (MEK)	72		11.259					ND	
37 cis-1,2-Dichloroethene	96		11.281					ND	
38 Ethyl acetate	88		11.329					ND	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	96	280623	10.0	10.0	
40 Tetrahydrofuran	42		11.730					ND	
41 Chloroform	83		11.880					ND	
42 1,1,1-Trichloroethane	97		12.174					ND	
43 Cyclohexane	84		12.303					ND	
44 Carbon tetrachloride	117		12.447					ND	
45 Benzene	78		12.806					ND	7
46 1,2-Dichloroethane	62		12.891					ND	
47 Isooctane	57		13.009					ND	
48 n-Heptane	43		13.319					ND	7
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	96	1343159	10.0	10.0	
50 n-Butanol	56		13.801					ND	
51 Trichloroethene	95		13.983					ND	
A 52 GRO	1	14.282	(6.558-22.006)		0	4250241		0	
53 1,2-Dichloropropane	63		14.448					ND	
54 Methyl methacrylate	69		14.534					ND	
55 1,4-Dioxane	88		14.576					ND	
57 Dibromomethane	174		14.608					ND	7
58 Dichlorobromomethane	83		14.924					ND	
A 60 TVOC as Toluene	1	15.668	(4.305-27.030)		0	4352703		0	
59 cis-1,3-Dichloropropene	75		15.727					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.994					ND	
62 Toluene	92		16.358					ND	
A 63 Toluene Range	1	16.369	(16.288-16.438)		0	6138		NC	
A 65 C8 Range	1	16.604	(16.502-16.663)		0	2514		NC	
64 n-Octane	43		16.593					ND	7
66 trans-1,3-Dichloropropene	75		16.786					ND	
67 1,1,2-Trichloroethane	83		17.166					ND	
68 Tetrachloroethene	166		17.348					ND	
69 2-Hexanone	43		17.578					ND	
70 Chlorodibromomethane	129		17.904					ND	
71 Ethylene Dibromide	107		18.139					ND	
* 73 Chlorobenzene-d5	117	19.049	19.049	0.000	89	1171729	10.0	10.0	
74 Chlorobenzene	112		19.108					ND	
75 Ethylbenzene	91		19.295					ND	7
76 m-Xylene & p-Xylene	106		19.557					ND	
77 n-Nonane	57		19.605					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.327					ND	
79 Styrene	104		20.359					ND	
81 Bromoform	173		20.702					ND	
82 Isopropylbenzene	105		20.996					ND	
83 1,1,2,2-Tetrachloroethane	83		21.515					ND	7
84 1,2,3-Trichloropropane	75		21.611					ND	
85 N-Propylbenzene	91		21.692					ND	7
86 2-Chlorotoluene	91		21.841					ND	7
87 4-Ethyltoluene	105		21.884					ND	7
88 1,3,5-Trimethylbenzene	105		21.975					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.996					ND	
90 Alpha Methyl Styrene	118		22.301					ND	
91 tert-Butylbenzene	119		22.451					ND	
92 1,2,4-Trimethylbenzene	105		22.537					ND	7
93 sec-Butylbenzene	105		22.772					ND	7
94 1,3-Dichlorobenzene	146		22.949					ND	7
95 4-Isopropyltoluene	119		22.981					ND	7
96 1,4-Dichlorobenzene	146		23.088					ND	7
97 Benzyl chloride	91		23.243					ND	7
98 n-Butylbenzene	91		23.548					ND	7
99 1,2-Dichlorobenzene	146		23.591					ND	7
100 Undecane	57		23.687					ND	7
101 Dodecane	57		25.308					ND	
102 1,2,4-Trichlorobenzene	180		26.094					ND	7
103 Hexachlorobutadiene	225		26.335					ND	7
104 Naphthalene	128		26.592					ND	7
105 1,2,3-Trichlorobenzene	180	27.020	27.020	0.000	91	1574		0.0159	
109 Chlorotrifluoroethene TIC	1		0.000					ND	
110 Difluoroethane TIC	1		0.000					ND	
111 Total Alkanes TIC	1		0.000					ND	
112 Freon 115 TIC	1		0.000					ND	
113 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

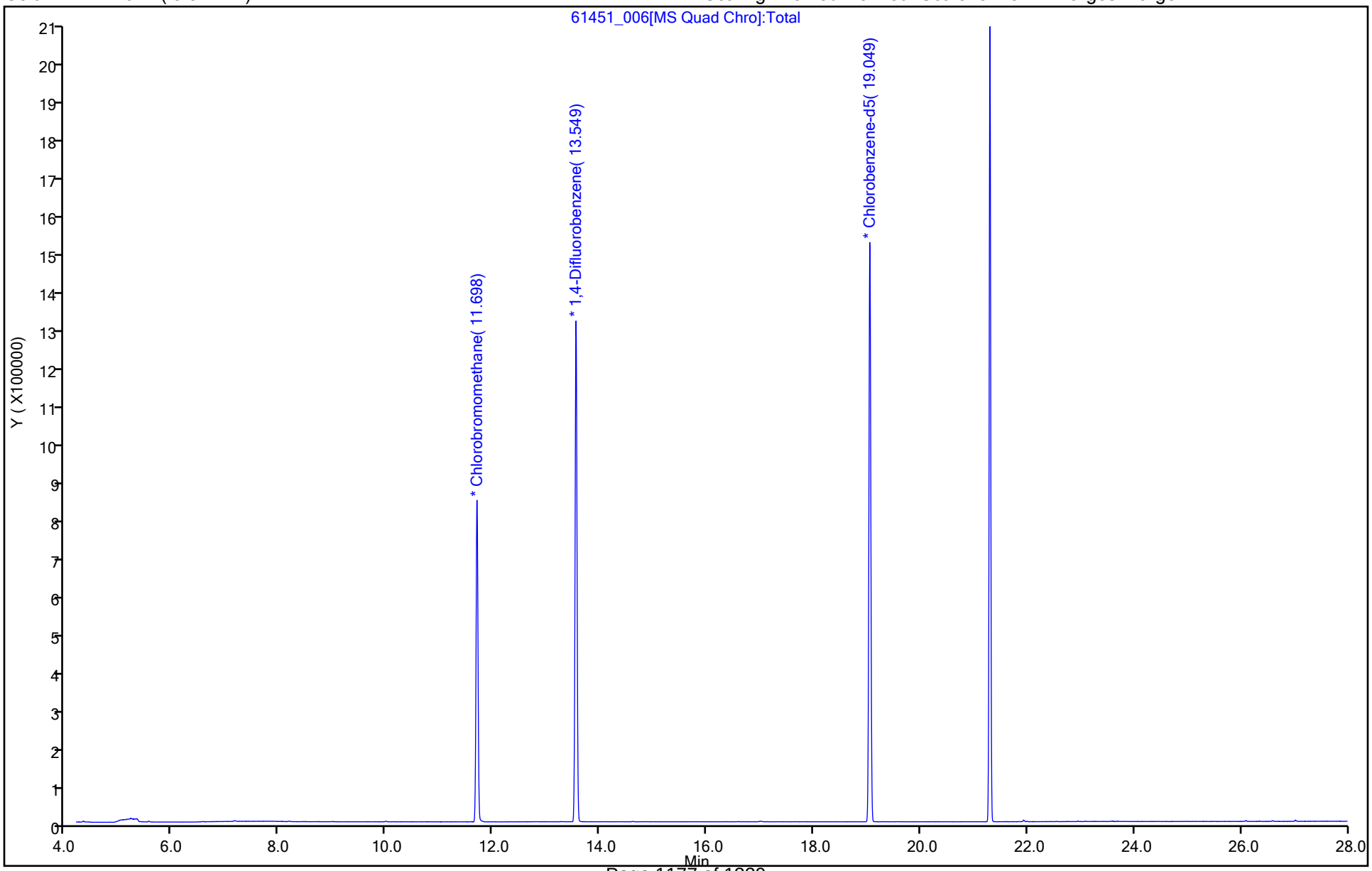
ATTO15AMISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 04-Aug-2024 20:57:30 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_006.D				
Injection Date:	02-Aug-2024 11:49:40	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Lab File ID: 61451_006.D Lab Sample ID: MB 200-207101/6

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

Instrument ID: CHAM.i Date Analyzed: 08/02/2024 11:49

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-207101/4	61451_004.D	08/02/2024 10:04
5409	200-74590-6	61451_021.D	08/03/2024 01:56

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207101/6

Matrix: Air Lab File ID: 61451_006.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/02/2024 11:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.14	U	0.14	0.14
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.14	U	0.14	0.14
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.14	U	0.14	0.14
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207101/6

Matrix: Air Lab File ID: 61451_006.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/02/2024 11:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.14	U	0.14	0.14
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.14	U	0.14	0.14
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207101/6

Matrix: Air Lab File ID: 61451_006.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/02/2024 11:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_006.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 02-Aug-2024 11:49:40 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061451-006
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Aug-2024 20:54:03 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: YWL8 Date: 04-Aug-2024 20:57:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.315					ND	7
2 Dichlorodifluoromethane	85		4.412					ND	
3 Chlorodifluoromethane	51		4.465					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.786					ND	
5 Chloromethane	50		4.915					ND	
7 Butane	43		5.214					ND	7
6 Vinyl chloride	62		5.214					ND	
8 Butadiene	54		5.332					ND	
9 Bromomethane	94		6.081					ND	
10 Chloroethane	64		6.359					ND	
12 2-Methylbutane	43		6.568					ND	7
13 Vinyl bromide	106		6.792					ND	
14 Trichlorofluoromethane	101		6.953					ND	
15 Pentane	43		7.156					ND	7
16 Ethanol	45		7.354					ND	
18 Ethyl ether	59		7.584					ND	
19 Acrolein	56		7.846					ND	
20 1,1-Dichloroethene	96		8.034					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.071					ND	
22 Acetone	43		8.130					ND	7
23 Isopropyl alcohol	45		8.435					ND	7
24 Carbon disulfide	76		8.440					ND	7
25 Acetonitrile	41		8.654					ND	
26 3-Chloro-1-propene	41		8.745					ND	7
27 Methylene Chloride	49		8.986					ND	7
28 2-Methyl-2-propanol	59		9.216					ND	
29 Acrylonitrile	53		9.408					ND	
30 trans-1,2-Dichloroethene	61		9.483					ND	
31 Methyl tert-butyl ether	73		9.483					ND	
32 Hexane	57		9.992					ND	7
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
33 1,1-Dichloroethane	63		10.270					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		10.275					ND	
36 2-Butanone (MEK)	72		11.259					ND	
37 cis-1,2-Dichloroethene	96		11.281					ND	
38 Ethyl acetate	88		11.329					ND	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	96	280623	10.0	10.0	
40 Tetrahydrofuran	42		11.730					ND	
41 Chloroform	83		11.880					ND	
42 1,1,1-Trichloroethane	97		12.174					ND	
43 Cyclohexane	84		12.303					ND	
44 Carbon tetrachloride	117		12.447					ND	
45 Benzene	78		12.806					ND	7
46 1,2-Dichloroethane	62		12.891					ND	
47 Isooctane	57		13.009					ND	
48 n-Heptane	43		13.319					ND	7
* 49 1,4-Difluorobenzene	114	13.549	13.549	0.000	96	1343159	10.0	10.0	
50 n-Butanol	56		13.801					ND	
51 Trichloroethene	95		13.983					ND	
A 52 GRO	1	14.282	(6.558-22.006)		0	4250241		0	
53 1,2-Dichloropropane	63		14.448					ND	
54 Methyl methacrylate	69		14.534					ND	
55 1,4-Dioxane	88		14.576					ND	
57 Dibromomethane	174		14.608					ND	7
58 Dichlorobromomethane	83		14.924					ND	
A 60 TVOC as Toluene	1	15.668	(4.305-27.030)		0	4352703		0	
59 cis-1,3-Dichloropropene	75		15.727					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.994					ND	
62 Toluene	92		16.358					ND	
A 63 Toluene Range	1	16.369	(16.288-16.438)		0	6138		NC	
A 65 C8 Range	1	16.604	(16.502-16.663)		0	2514		NC	
64 n-Octane	43		16.593					ND	7
66 trans-1,3-Dichloropropene	75		16.786					ND	
67 1,1,2-Trichloroethane	83		17.166					ND	
68 Tetrachloroethene	166		17.348					ND	
69 2-Hexanone	43		17.578					ND	
70 Chlorodibromomethane	129		17.904					ND	
71 Ethylene Dibromide	107		18.139					ND	
* 73 Chlorobenzene-d5	117	19.049	19.049	0.000	89	1171729	10.0	10.0	
74 Chlorobenzene	112		19.108					ND	
75 Ethylbenzene	91		19.295					ND	7
76 m-Xylene & p-Xylene	106		19.557					ND	
77 n-Nonane	57		19.605					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.327					ND	
79 Styrene	104		20.359					ND	
81 Bromoform	173		20.702					ND	
82 Isopropylbenzene	105		20.996					ND	
83 1,1,2,2-Tetrachloroethane	83		21.515					ND	7
84 1,2,3-Trichloropropane	75		21.611					ND	
85 N-Propylbenzene	91		21.692					ND	7
86 2-Chlorotoluene	91		21.841					ND	7
87 4-Ethyltoluene	105		21.884					ND	7
88 1,3,5-Trimethylbenzene	105		21.975					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.996					ND	
90 Alpha Methyl Styrene	118		22.301					ND	
91 tert-Butylbenzene	119		22.451					ND	
92 1,2,4-Trimethylbenzene	105		22.537					ND	7
93 sec-Butylbenzene	105		22.772					ND	7
94 1,3-Dichlorobenzene	146		22.949					ND	7
95 4-Isopropyltoluene	119		22.981					ND	7
96 1,4-Dichlorobenzene	146		23.088					ND	7
97 Benzyl chloride	91		23.243					ND	7
98 n-Butylbenzene	91		23.548					ND	7
99 1,2-Dichlorobenzene	146		23.591					ND	7
100 Undecane	57		23.687					ND	7
101 Dodecane	57		25.308					ND	
102 1,2,4-Trichlorobenzene	180		26.094					ND	7
103 Hexachlorobutadiene	225		26.335					ND	7
104 Naphthalene	128		26.592					ND	7
105 1,2,3-Trichlorobenzene	180	27.020	27.020	0.000	91	1574		0.0159	
109 Chlorotrifluoroethene TIC	1		0.000					ND	
110 Difluoroethane TIC	1		0.000					ND	
111 Total Alkanes TIC	1		0.000					ND	
112 Freon 115 TIC	1		0.000					ND	
113 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

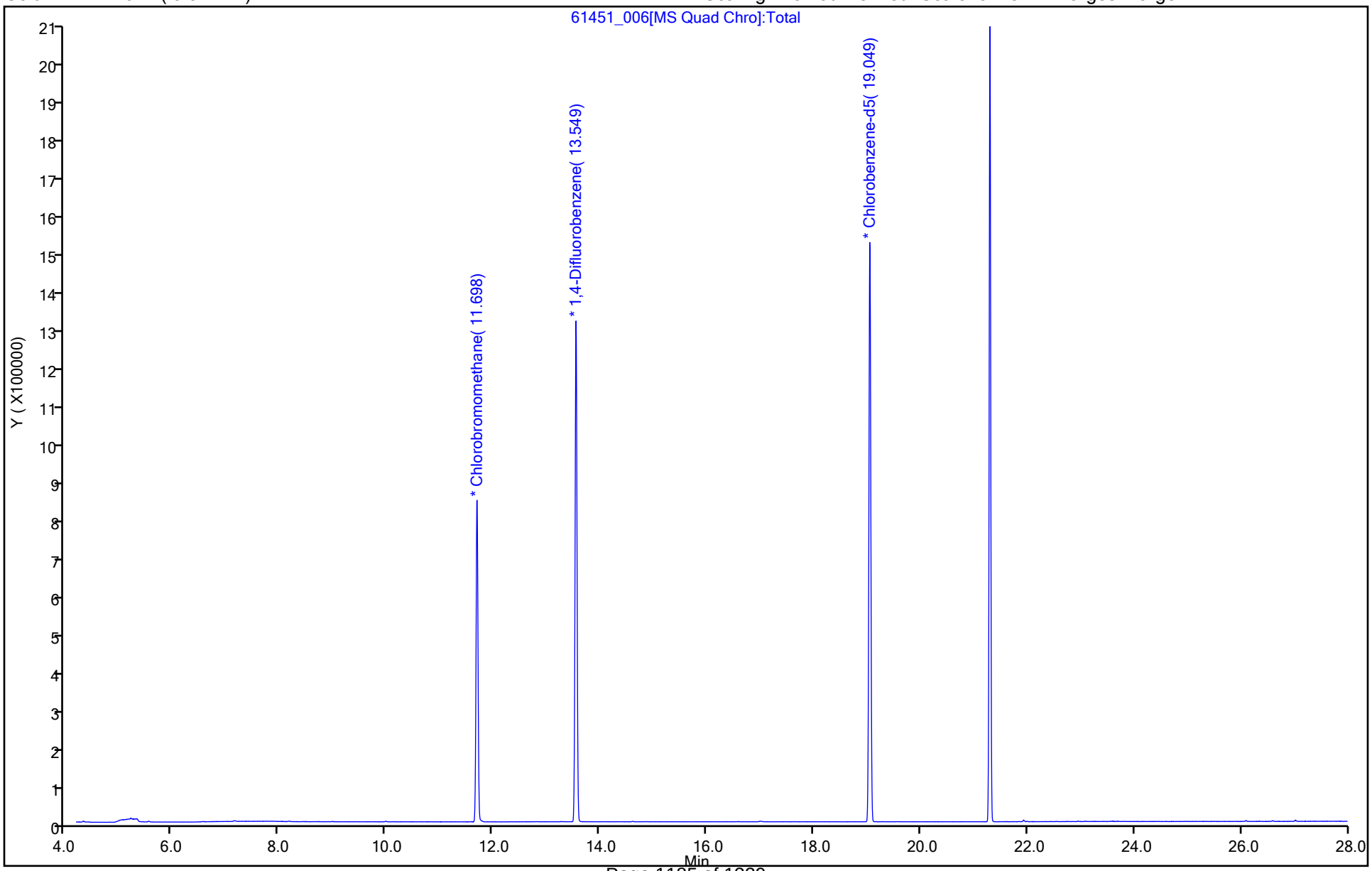
ATTO15AMISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 04-Aug-2024 20:57:30 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_006.D				
Injection Date:	02-Aug-2024 11:49:40	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Lab File ID: 61545-04.D Lab Sample ID: MB 200-207356/4

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

Instrument ID: CHX.i Date Analyzed: 08/09/2024 10:17

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-207356/3	61545-03.D	08/09/2024 09:21
2553	200-74672-9	61545-06.D	08/09/2024 12:23

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207356/4

Matrix: Air Lab File ID: 61545-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/09/2024 10:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207356 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.14	U	0.14	0.14
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.14	U	0.14	0.14
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.14	U	0.14	0.14
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207356/4

Matrix: Air Lab File ID: 61545-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/09/2024 10:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207356 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.14	U	0.14	0.14
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.14	U	0.14	0.14
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207356/4

Matrix: Air Lab File ID: 61545-04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/09/2024 10:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207356 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Report Date: 11-Aug-2024 20:05:50 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240809-61545.b\61545-04.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 09-Aug-2024 10:17:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061545-004
Operator ID: wrd Instrument ID: CHX.i

Method: \\chromfs\Burlington\ChromData\CHX.i\20240809-61545.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Aug-2024 20:03:33 Calib Date: 01-Aug-2024 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240731-61427.b\61427-22.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: YWL8 Date: 11-Aug-2024 20:05:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.238					ND	
3 Dichlorodifluoromethane	85		4.334					ND	
4 Chlorodifluoromethane	51		4.377					ND	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.692					ND	
6 Chloromethane	50		4.805					ND	
7 Vinyl chloride	62		5.110					ND	
8 Butane	43		5.115					ND	7
9 Butadiene	54		5.227					ND	
10 Bromomethane	94		5.928					ND	
12 Chloroethane	64		6.190					ND	
13 2-Methylbutane	43		6.394					ND	
14 Vinyl bromide	106		6.608					ND	
15 Trichlorofluoromethane	101		6.768					ND	
16 Pentane	43		6.971					ND	
17 Ethanol	45	7.234	7.196	0.038	97	1957		0.3237	
18 Ethyl ether	59		7.399					ND	
19 Acrolein	56		7.640					ND	
20 1,1-Dichloroethene	96		7.827					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.865					ND	
22 Acetone	43		7.929					ND	7
24 Carbon disulfide	76	8.234	8.223	0.011	98	2937		0.0742	
23 Isopropyl alcohol	45	8.320	8.255	0.065	95	2841		0.1124	
25 Acetonitrile	41		8.421					ND	
27 3-Chloro-1-propene	41		8.517					ND	
28 Methylene Chloride	49		8.748					ND	7
29 2-Methyl-2-propanol	59		9.031					ND	
30 Acrylonitrile	53		9.149					ND	
32 trans-1,2-Dichloroethene	61		9.240					ND	
31 Methyl tert-butyl ether	73		9.261					ND	
S 33 1,2-Dichloroethene, Total	61		9.665					ND	7
34 Hexane	57		9.737					ND	
36 1,1-Dichloroethane	63		9.994					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43		10.010					ND	
37 2-Butanone (MEK)	72		10.973					ND	
38 cis-1,2-Dichloroethene	96		10.984					ND	
39 Ethyl acetate	88		11.048					ND	
* 40 Chlorobromomethane	128	11.390	11.390	0.000	96	66012	10.0	10.0	
41 Tetrahydrofuran	42		11.454					ND	
42 Chloroform	83		11.567					ND	
43 1,1,1-Trichloroethane	97		11.866					ND	
44 Cyclohexane	84		12.000					ND	
45 Carbon tetrachloride	117		12.139					ND	
46 Benzene	78		12.482					ND	
47 1,2-Dichloroethane	62		12.557					ND	
48 Isooctane	57		12.696					ND	
49 n-Heptane	43		13.001					ND	
* 50 1,4-Difluorobenzene	114	13.220	13.215	0.005	96	323526	10.0	10.0	
51 n-Butanol	56		13.498					ND	
52 Trichloroethene	95		13.642					ND	
A 53 GRO	1	14.046	(6.384-21.709)		0	1037787		0	
55 1,2-Dichloropropane	63		14.092					ND	
56 Methyl methacrylate	69		14.194					ND	
58 Dibromomethane	174		14.252					ND	
57 1,4-Dioxane	88		14.268					ND	
59 Dichlorobromomethane	83		14.568					ND	
60 cis-1,3-Dichloropropene	75		15.365					ND	
A 61 TVOC as Toluene	92	15.386	(4.228-26.545)		0	1092693		0	
62 4-Methyl-2-pentanone (MIBK)	43		15.649					ND	
63 Toluene	92		15.996					ND	
A 64 Toluene Range	1	16.002	(15.938-16.066)		0	3145		NC	
66 n-Octane	43		16.242					ND	
A 65 C8 Range	1	16.248	(16.168-16.328)		0	1865		NC	
67 trans-1,3-Dichloropropene	75		16.414					ND	
68 1,1,2-Trichloroethane	83		16.783					ND	
69 Tetrachloroethene	166		16.986					ND	
70 2-Hexanone	43		17.227					ND	
71 Chlorodibromomethane	129		17.521					ND	
72 Ethylene Dibromide	107		17.751					ND	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	90	280983	10.0	10.0	
74 Chlorobenzene	112		18.719					ND	
75 Ethylbenzene	91		18.912					ND	7
76 m-Xylene & p-Xylene	106		19.174					ND	
77 n-Nonane	57		19.233					ND	
S 78 Xylenes, Total	106		19.600					ND	7
79 o-Xylene	106		19.944					ND	
80 Styrene	104		19.982					ND	
81 Bromoform	173		20.335					ND	
82 Isopropylbenzene	105		20.651					ND	
83 1,1,2,2-Tetrachloroethane	83		21.180					ND	
84 1,2,3-Trichloropropane	75		21.277					ND	
85 N-Propylbenzene	91		21.373					ND	
86 2-Chlorotoluene	91		21.523					ND	
87 4-Ethyltoluene	105		21.571					ND	
88 1,3,5-Trimethylbenzene	105		21.667					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.699					ND	
90 Alpha Methyl Styrene	118		21.993					ND	
91 tert-Butylbenzene	119		22.149					ND	
92 1,2,4-Trimethylbenzene	105		22.239					ND	
93 sec-Butylbenzene	105		22.475					ND	
94 1,3-Dichlorobenzene	146		22.651					ND	7
95 4-Isopropyltoluene	119		22.689					ND	
96 1,4-Dichlorobenzene	146	22.796	22.790	0.006	83	318		0.0100	
97 Benzyl chloride	91		22.935					ND	7
98 n-Butylbenzene	91		23.240					ND	7
99 1,2-Dichlorobenzene	146	23.272	23.272	0.000	80	330		0.0101	
100 Undecane	57		23.384					ND	
101 Dodecane	57		24.936					ND	
102 1,2,4-Trichlorobenzene	180	25.663	25.663	0.000	77	356		0.0202	
103 Hexachlorobutadiene	225		25.904					ND	7
104 Naphthalene	128	26.140	26.129	0.011	93	727		0.0164	
105 1,2,3-Trichlorobenzene	180		26.535					ND	7
113 Total Alkanes TIC	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	
115 1,2,3-Trimethylbenzene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

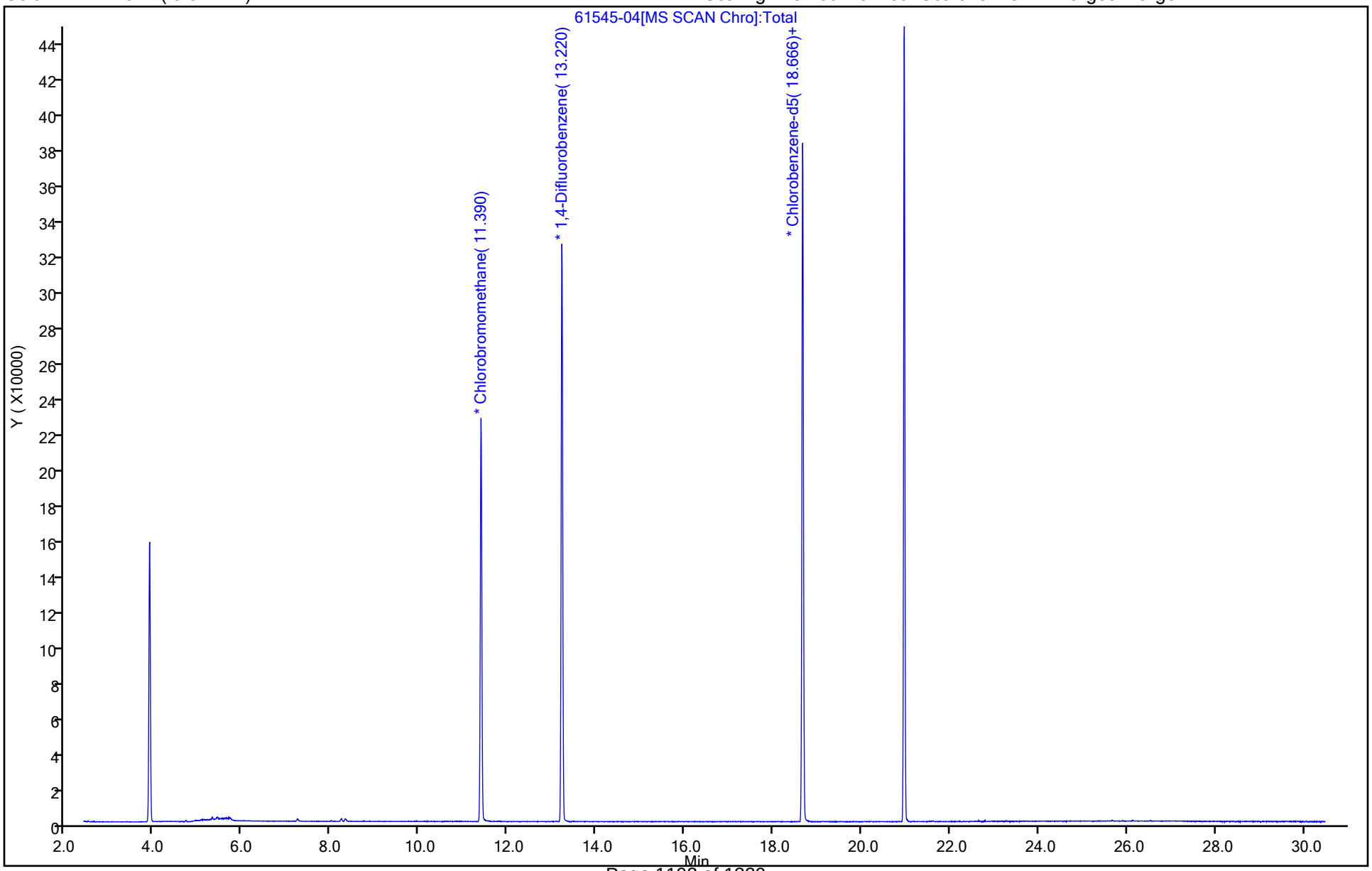
Report Date: 11-Aug-2024 20:05:50 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240809-61545.b\61545-04.D

Injection Date:	09-Aug-2024 10:17:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Lab File ID: 61584_004.D Lab Sample ID: MB 200-207469/4

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

Instrument ID: CHAN.i Date Analyzed: 08/13/2024 12:58

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-207469/3	61584_003.D	08/13/2024 12:07
6020	200-74702-10	61584_005.D	08/13/2024 14:00

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207469/4

Matrix: Air Lab File ID: 61584_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/13/2024 12:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207469 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.14	U	0.14	0.14
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.14	U	0.14	0.14
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.14	U	0.14	0.14
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-74702-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-207469/4

Matrix: Air | Lab File ID: 61584_004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/13/2024 12:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

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

Analysis Batch No.: 207469 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.14	U	0.14	0.14
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.14	U	0.14	0.14
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-207469/4

Matrix: Air Lab File ID: 61584_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/13/2024 12:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207469 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 13-Aug-2024 12:58:43 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0061584-004
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 14-Aug-2024 08:14:40 Calib Date: 12-Aug-2024 23:20:04
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20240812-61568.b\61568_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: F7XK Date: 14-Aug-2024 08:14:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.380					ND	7
2 Dichlorodifluoromethane	85		4.482					ND	
3 Chlorodifluoromethane	51		4.524					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.845					ND	
5 Chloromethane	50		4.963					ND	7
6 Vinyl chloride	62		5.263					ND	
7 Butane	43		5.263					ND	7
8 Butadiene	54		5.375					ND	7
9 Bromomethane	94		6.097					ND	
10 Chloroethane	64		6.370					ND	
12 2-Methylbutane	43		6.579					ND	7
13 Vinyl bromide	106		6.793					ND	
14 Trichlorofluoromethane	101		6.953					ND	
15 Pentane	43		7.162					ND	7
16 Ethanol	45		7.338					ND	7
18 Ethyl ether	59		7.574					ND	
19 Acrolein	56		7.814					ND	
20 1,1-Dichloroethene	96		8.012					ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.055					ND	
22 Acetone	43		8.093					ND	7
23 Isopropyl alcohol	45		8.392					ND	7
24 Carbon disulfide	76		8.419					ND	MU
25 Acetonitrile	41		8.595					ND	7
26 3-Chloro-1-propene	41		8.708					ND	7
27 Methylene Chloride	49		8.938					ND	7
28 2-Methyl-2-propanol	59		9.157					ND	
29 Acrylonitrile	53		9.339					ND	
30 trans-1,2-Dichloroethene	61		9.435					ND	7
31 Methyl tert-butyl ether	73		9.441					ND	7
32 Hexane	57		9.949					ND	7
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
33 1,1-Dichloroethane	63		10.206					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		10.211					ND	7
36 2-Butanone (MEK)	72		11.174					ND	
37 cis-1,2-Dichloroethene	96		11.201					ND	7
38 Ethyl acetate	88		11.254					ND	
* 39 Chlorobromomethane	128	11.607	11.607	0.000	97	343612	10.0	10.0	
40 Tetrahydrofuran	42		11.650					ND	
41 Chloroform	83		11.784					ND	
42 1,1,1-Trichloroethane	97		12.094					ND	7
43 Cyclohexane	84		12.233					ND	
44 Carbon tetrachloride	117		12.372					ND	
45 Benzene	78	12.725	12.725	0.010	83	1343		0.007536	7M
46 1,2-Dichloroethane	62		12.790					ND	
47 Isooctane	57	12.961	12.961	0.027	1	1426		0.004740	7M
48 n-Heptane	43		13.239					ND	MU
* 49 1,4-Difluorobenzene	114	13.448	13.448	0.000	96	1760243	10.0	10.0	
50 n-Butanol	56		13.667					ND	7
51 Trichloroethene	95		13.881					ND	
A 52 GRO	1	14.242	(6.569-21.916)		0	5092427		0	
53 1,2-Dichloropropane	63		14.336					ND	
54 Methyl methacrylate	69		14.421					ND	
55 1,4-Dioxane	88		14.464					ND	
57 Dibromomethane	174	14.491	14.491	0.000	83	707		0.0141	
58 Dichlorobromomethane	83		14.801					ND	
59 cis-1,3-Dichloropropene	75		15.604					ND	7
A 60 TVOC as Toluene	1	15.609	(4.370-26.848)		0	5141020		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.866					ND	
62 Toluene	92		16.246					ND	7
A 63 Toluene Range	1	16.256	(16.176-16.337)		0	3389		NC	
A 65 C8 Range	1	16.492	(16.412-16.572)		0	3418		NC	
64 n-Octane	43		16.492					ND	7
66 trans-1,3-Dichloropropene	75		16.652					ND	7
67 1,1,2-Trichloroethane	83		17.027					ND	
68 Tetrachloroethene	166		17.235					ND	
69 2-Hexanone	43		17.444					ND	7
70 Chlorodibromomethane	129		17.765					ND	
71 Ethylene Dibromide	107		18.006					ND	7
* 73 Chlorobenzene-d5	117	18.920	18.921	-0.001	91	1486250	10.0	10.0	
74 Chlorobenzene	112		18.974					ND	7
75 Ethylbenzene	91		19.167					ND	7
76 m-Xylene & p-Xylene	106		19.429					ND	7
77 n-Nonane	57		19.493					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.199					ND	
79 Styrene	104		20.237					ND	7
81 Bromoform	173		20.568					ND	
82 Isopropylbenzene	105		20.884					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.387					ND	MU
84 1,2,3-Trichloropropane	75		21.488					ND	
85 N-Propylbenzene	91		21.590					ND	7
86 2-Chlorotoluene	91		21.735					ND	7
87 4-Ethyltoluene	105		21.783					ND	7
88 1,3,5-Trimethylbenzene	105		21.879					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.906					ND	MU
90 Alpha Methyl Styrene	118		22.200					ND	7
91 tert-Butylbenzene	119		22.355					ND	7
92 1,2,4-Trimethylbenzene	105	22.441	22.441	0.000	44	2277		0.0106	M
93 sec-Butylbenzene	105		22.676					ND	7
94 1,3-Dichlorobenzene	146	22.853	22.847	0.006	94	1713		0.0131	
95 4-Isopropyltoluene	119		22.890					ND	7
96 1,4-Dichlorobenzene	146	22.992	22.986	0.006	88	1942		0.0149	
97 Benzyl chloride	91	23.136	23.136	0.000	95	3559		0.0166	
98 n-Butylbenzene	91	23.457	23.457	0.011	92	1699		0.006289	7M
99 1,2-Dichlorobenzene	146	23.478	23.479	-0.001	88	1625		0.0129	
100 Undecane	57		23.596					ND	7
101 Dodecane	57		25.185					ND	7
102 1,2,4-Trichlorobenzene	180	25.939	25.939	0.000	89	3145		0.0421	
103 Hexachlorobutadiene	225		26.186					ND	
104 Naphthalene	128	26.426	26.421	0.005	96	6981		0.0364	
105 1,2,3-Trichlorobenzene	180	26.843	26.838	0.005	90	1822		0.0258	
109 Chlorotrifluoroethene TIC	1		0.000					ND	
110 Difluoroethane TIC	1		0.000					ND	
111 Total Alkanes TIC	1		0.000					ND	
112 Freon 115 TIC	1		0.000					ND	
113 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

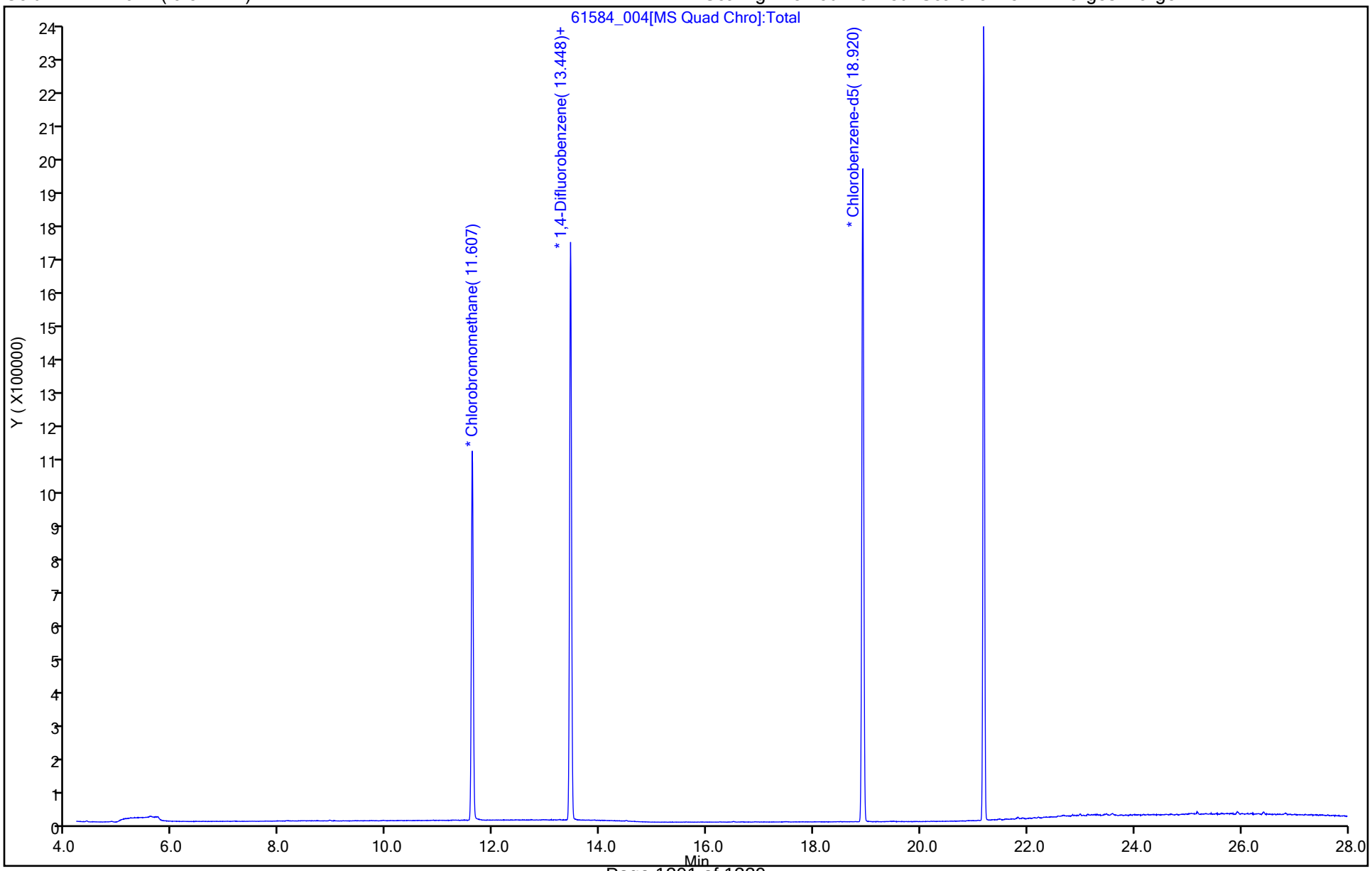
Report Date: 14-Aug-2024 08:14:54 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_004.D

Injection Date:	13-Aug-2024 12:58:43	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



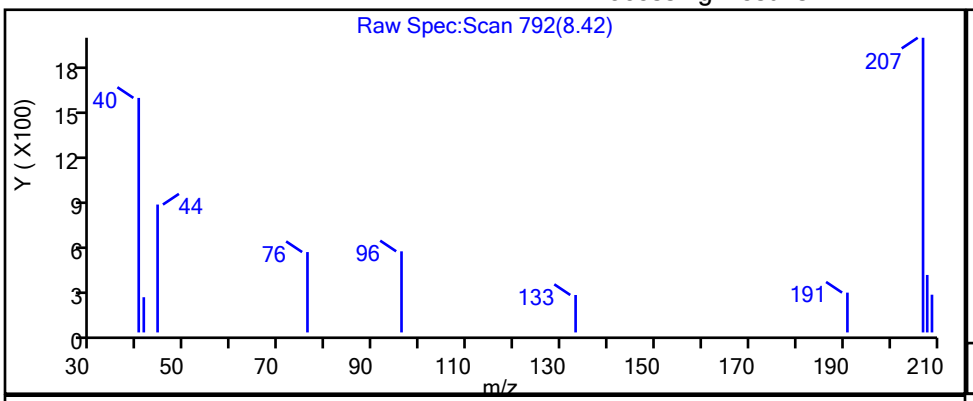
User Disabled Compound Report

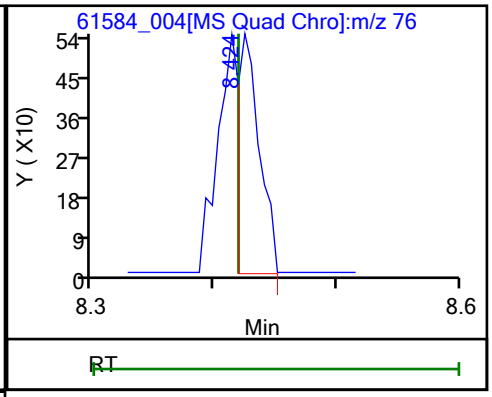
Eurofins Burlington

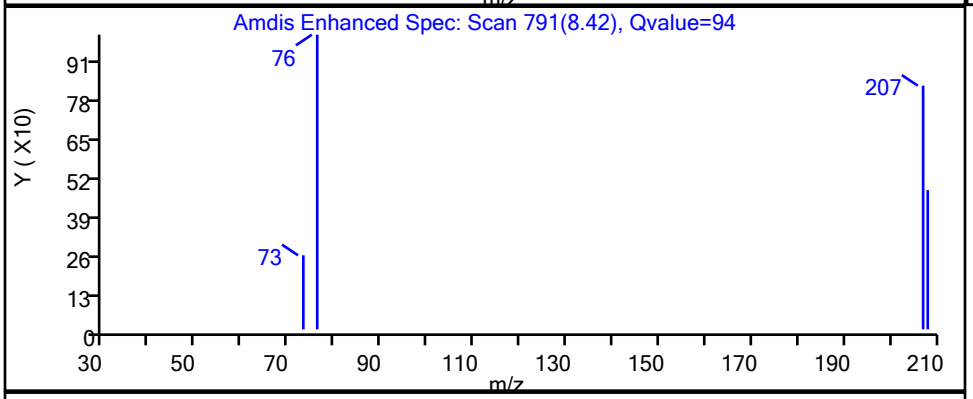
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_004.D				
Injection Date:	13-Aug-2024 12:58:43	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

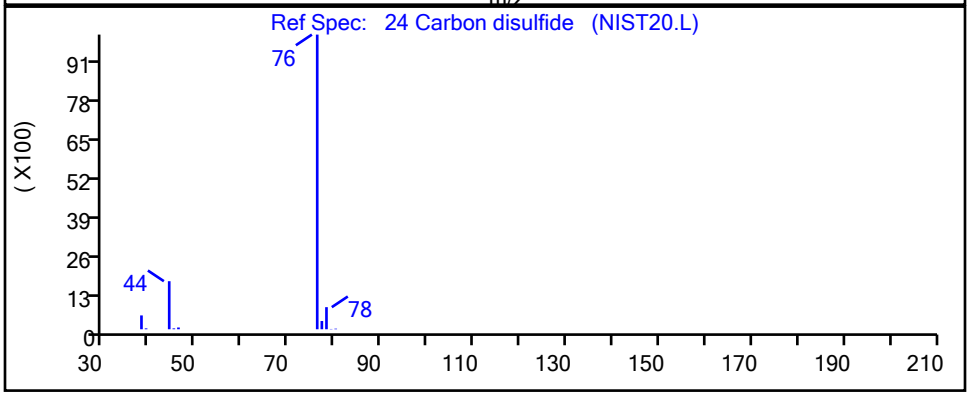
24 Carbon disulfide, CAS: 75-15-0

Processing Results









RT	Mass	Response	Amount
8.42	76.00	669	0.004059

Reviewer: F7XK, 14-Aug-2024 08:09:09 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

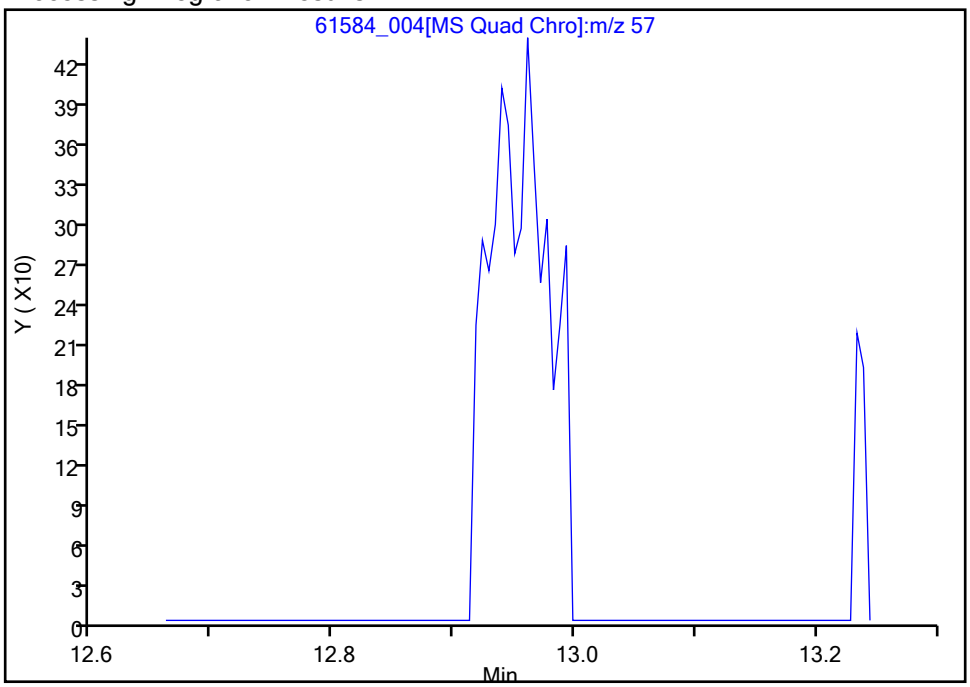
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_004.D				
Injection Date:	13-Aug-2024 12:58:43	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Isooctane, CAS: 540-84-1

Signal: 1

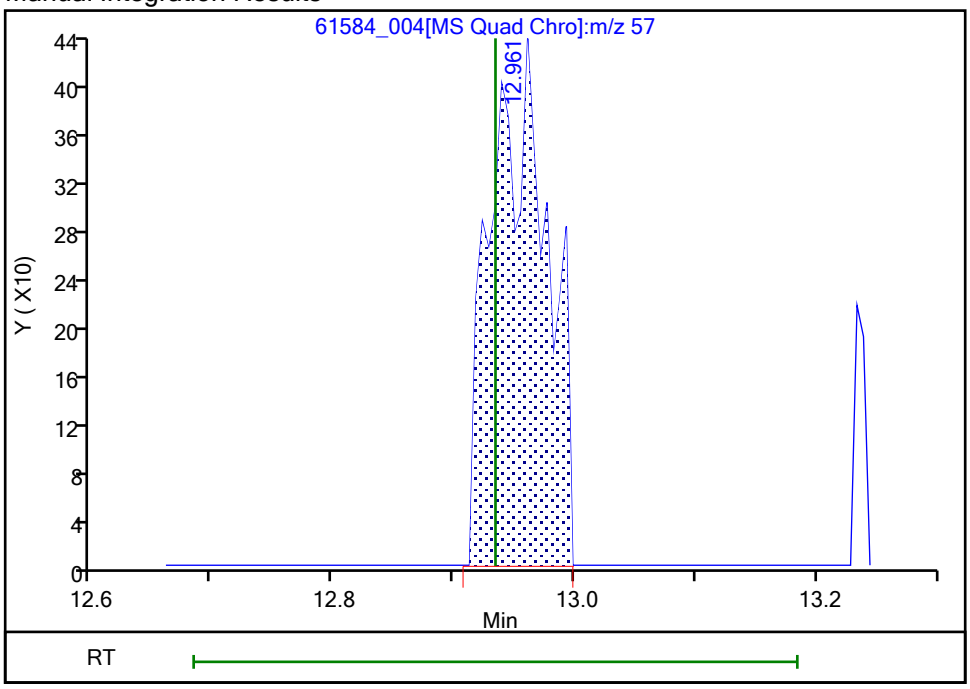
Not Detected
Expected RT: 12.93

Processing Integration Results



Manual Integration Results

RT: 12.96
Area: 1426
Amount: 0.004740
Amount Units: ppb v/v



Reviewer: F7XK, 14-Aug-2024 08:11:12 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

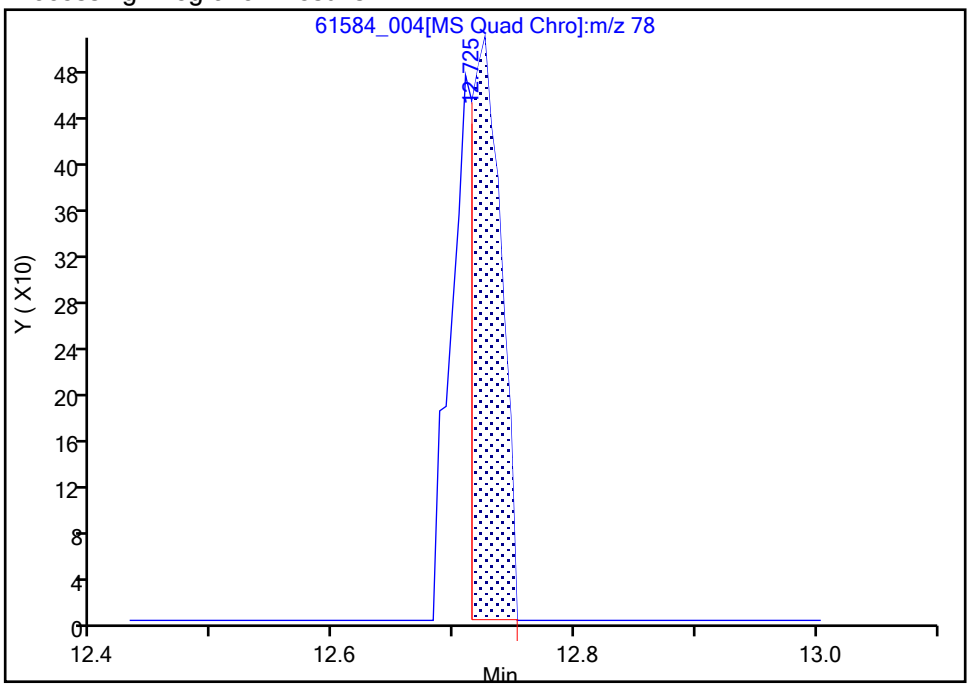
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_004.D				
Injection Date:	13-Aug-2024 12:58:43	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Benzene, CAS: 71-43-2

Signal: 1

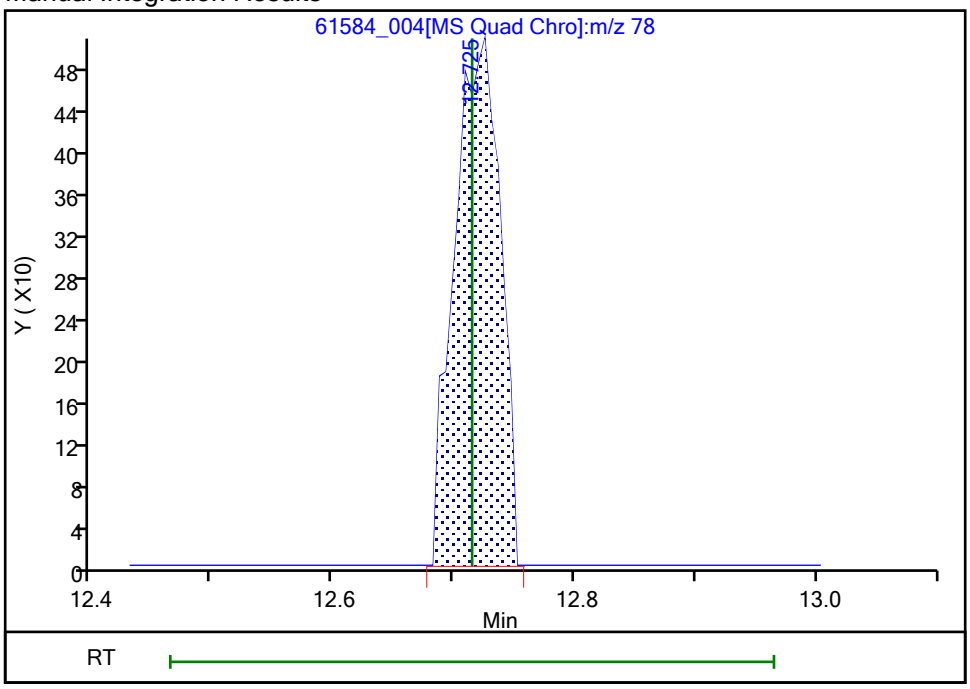
Processing Integration Results

RT: 12.73
Area: 870
Amount: 0.004882
Amount Units: ppb v/v



Manual Integration Results

RT: 12.73
Area: 1343
Amount: 0.007536
Amount Units: ppb v/v



Reviewer: F7XK, 14-Aug-2024 08:09:50 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

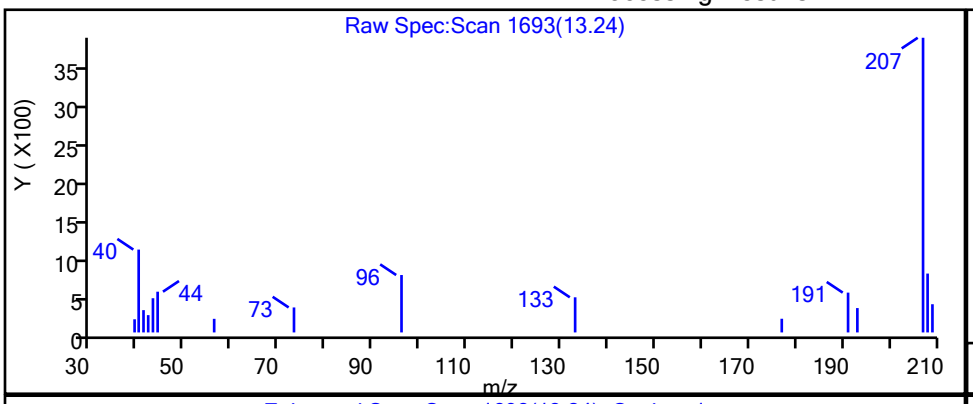
User Disabled Compound Report

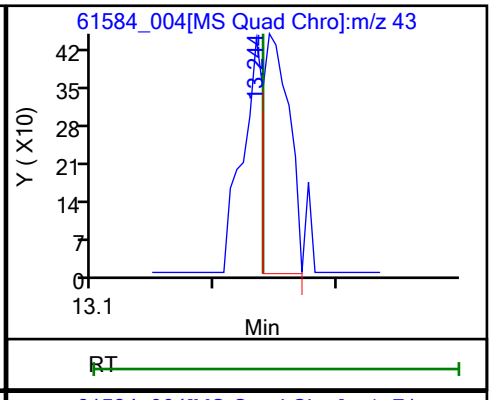
Eurofins Burlington

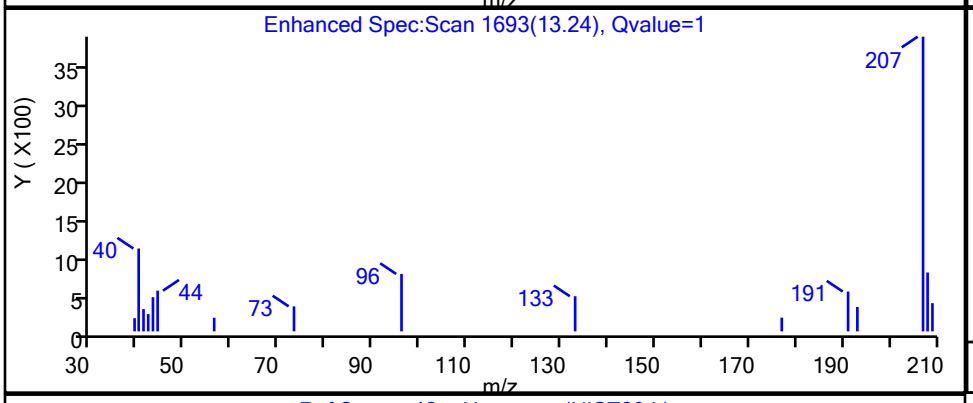
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_004.D				
Injection Date:	13-Aug-2024 12:58:43	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

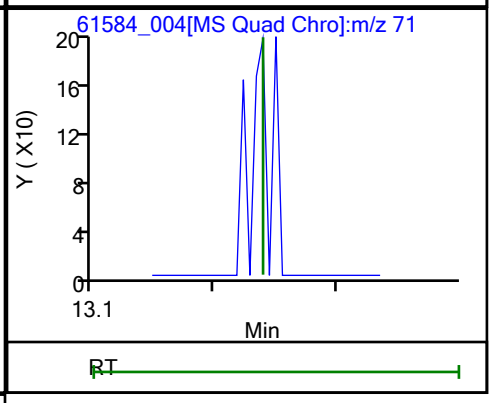
48 n-Heptane, CAS: 142-82-5

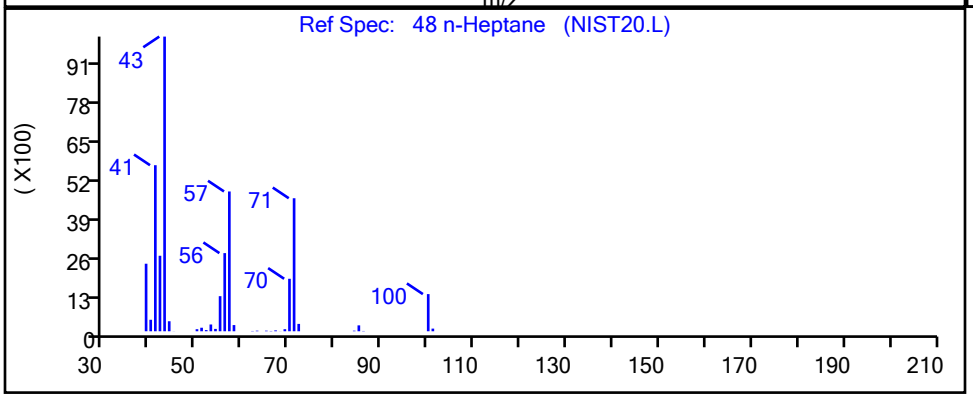
Processing Results











RT	Mass	Response	Amount
13.24	43.00	671	0.005766
13.24	71.00	0	

Reviewer: F7XK, 14-Aug-2024 08:11:44 07:00:00 (UTC)

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

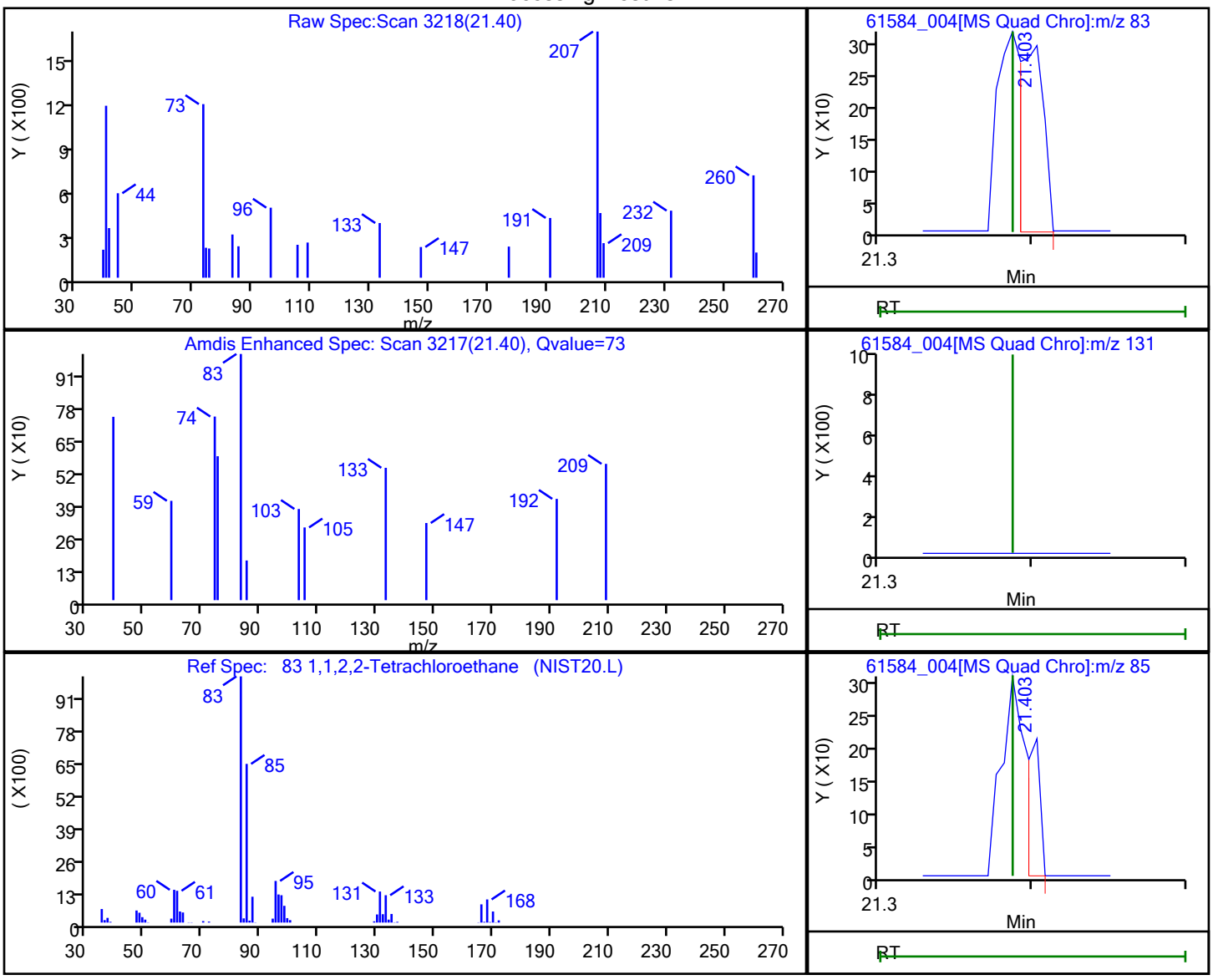
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_004.D				
Injection Date:	13-Aug-2024 12:58:43	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.40	83.00	321	0.001991
21.40	85.00	125	
21.39	131.00	0	

Reviewer: F7XK, 14-Aug-2024 08:12:45 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

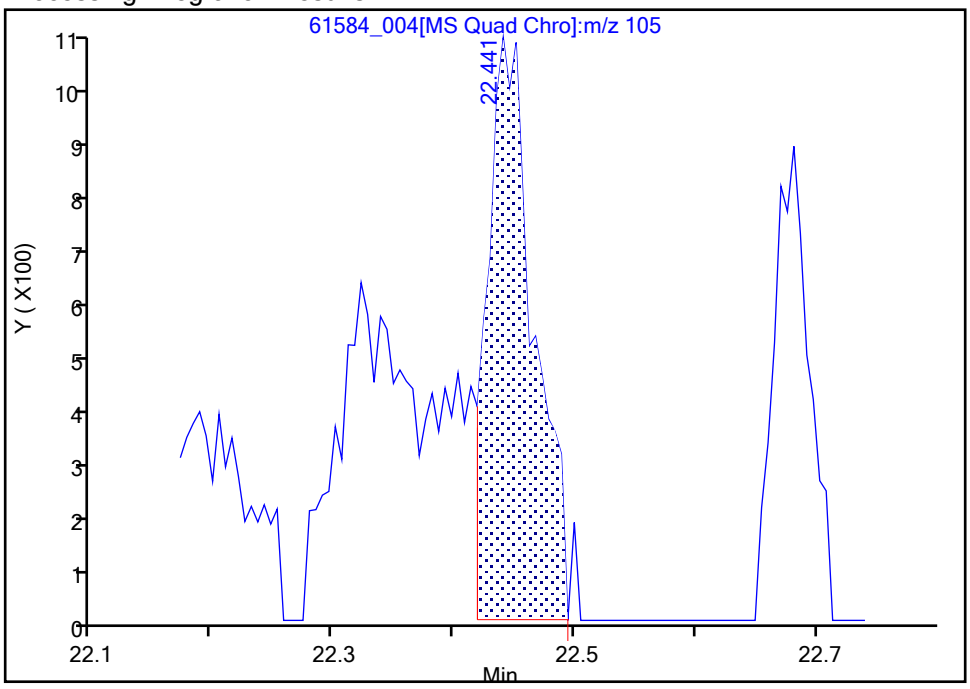
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_004.D				
Injection Date:	13-Aug-2024 12:58:43	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Signal: 1

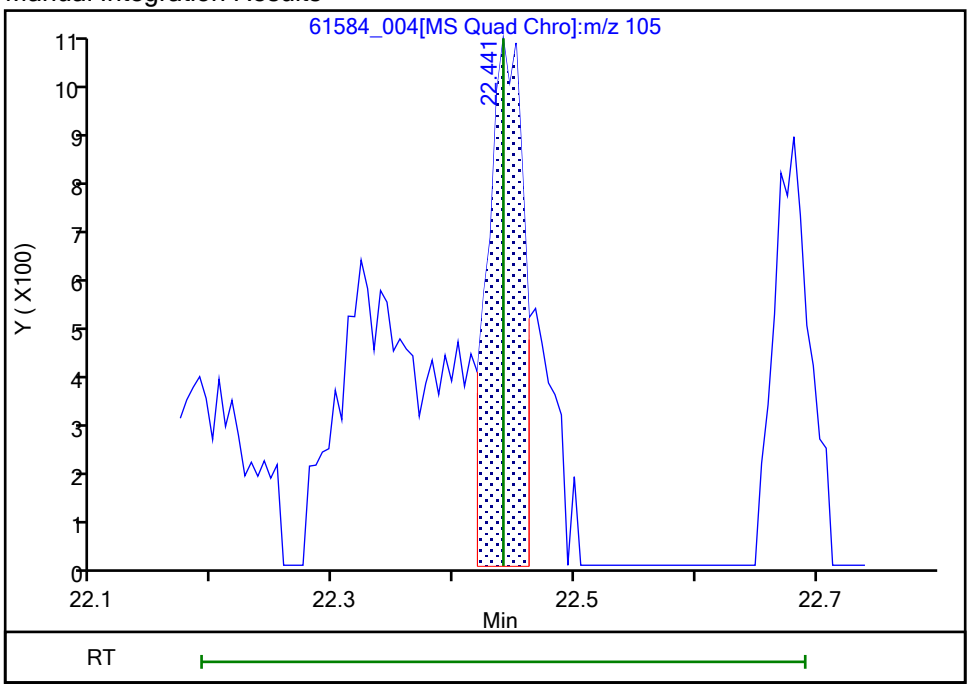
Processing Integration Results

RT: 22.44
Area: 2929
Amount: 0.013635
Amount Units: ppb v/v



Manual Integration Results

RT: 22.44
Area: 2277
Amount: 0.010600
Amount Units: ppb v/v



Reviewer: F7XK, 14-Aug-2024 08:13:28 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

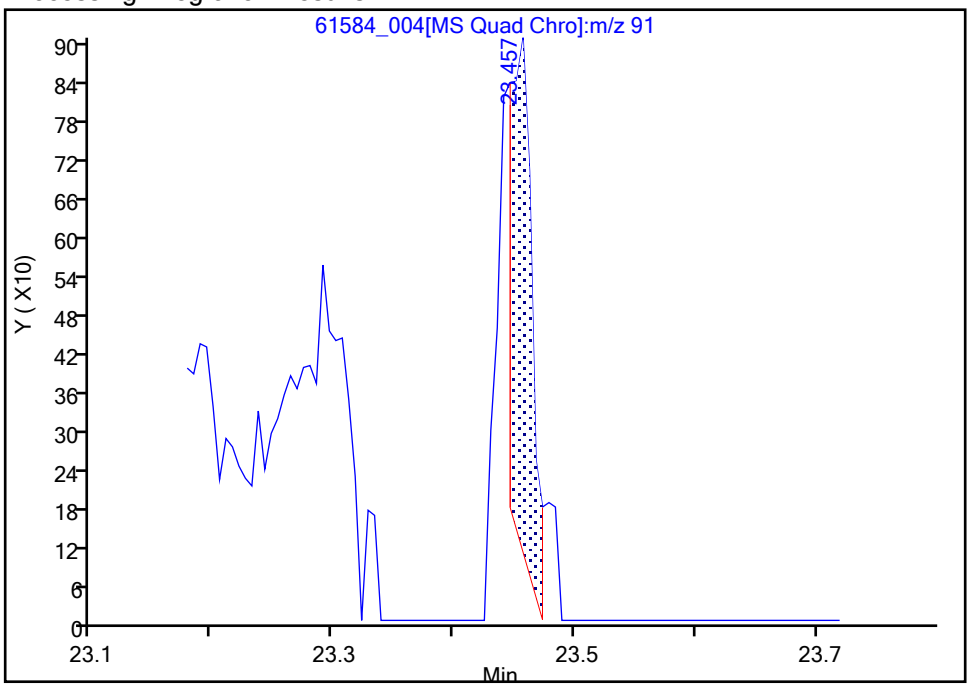
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_004.D				
Injection Date:	13-Aug-2024 12:58:43	Instrument ID:	CHAN.i		
Lims ID:	mb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 n-Butylbenzene, CAS: 104-51-8

Signal: 1

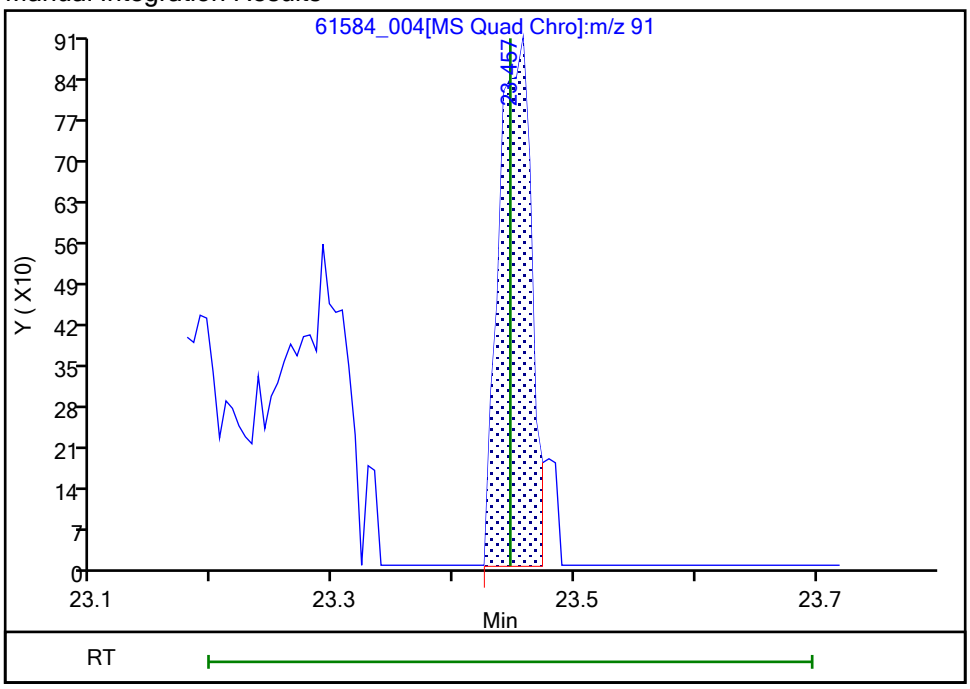
Processing Integration Results

RT: 23.46
Area: 1024
Amount: 0.003791
Amount Units: ppb v/v



Manual Integration Results

RT: 23.46
Area: 1699
Amount: 0.006289
Amount Units: ppb v/v



Reviewer: F7XK, 14-Aug-2024 08:14:10 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

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

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Lab File ID: 60827_001.D BFB Injection Date: 06/18/2024

Instrument ID: CHAM.i BFB Injection Time: 12:34

Analysis Batch No.: 205411

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.2	
75	30.0 - 66.0% of mass 95	46.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	76.9	
175	4.0 - 9.0 % of mass 174	6.0	(7.8) 1
176	93.0 - 101.0% of mass 174	74.4	(96.8) 1
177	5.0 - 9.0% of mass 176	5.0	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-205411/4	60827_004.D	06/18/2024	15:07
	IC 200-205411/5	60827_005.D	06/18/2024	15:59
	IC 200-205411/6	60827_006.D	06/18/2024	16:51
	IC 200-205411/7	60827_007.D	06/18/2024	17:43
	ICIS 200-205411/8	60827_008.D	06/18/2024	18:35
	IC 200-205411/9	60827_009.D	06/18/2024	19:27
	IC 200-205411/12	60827_012.D	06/18/2024	22:04
	IC 200-205411/13	60827_013.D	06/18/2024	22:56
	ICV 200-205411/16	60827_016.D	06/19/2024	1:33

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

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Lab File ID: 61451_001.D BFB Injection Date: 08/02/2024

Instrument ID: CHAM.i BFB Injection Time: 07:31

Analysis Batch No.: 207101

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.9	
75	30.0 - 66.0% of mass 95	47.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	79.6	
175	4.0 - 9.0 % of mass 174	6.1	(7.7) 1
176	93.0 - 101.0% of mass 174	77.3	(97.1) 1
177	5.0 - 9.0% of mass 176	5.2	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-207101/3	61451_003.D	08/02/2024	9:12
	LCS 200-207101/4	61451_004.D	08/02/2024	10:04
	MB 200-207101/6	61451_006.D	08/02/2024	11:49
2615	200-74575-6	61451_019.D	08/02/2024	23:53

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

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Lab File ID: 60827_001.D BFB Injection Date: 06/18/2024

Instrument ID: CHAM.i BFB Injection Time: 12:34

Analysis Batch No.: 205411

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.2	
75	30.0 - 66.0% of mass 95	46.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	76.9	
175	4.0 - 9.0 % of mass 174	6.0	(7.8) 1
176	93.0 - 101.0% of mass 174	74.4	(96.8) 1
177	5.0 - 9.0% of mass 176	5.0	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-205411/4	60827_004.D	06/18/2024	15:07
	IC 200-205411/5	60827_005.D	06/18/2024	15:59
	IC 200-205411/6	60827_006.D	06/18/2024	16:51
	IC 200-205411/7	60827_007.D	06/18/2024	17:43
	ICIS 200-205411/8	60827_008.D	06/18/2024	18:35
	IC 200-205411/9	60827_009.D	06/18/2024	19:27
	IC 200-205411/12	60827_012.D	06/18/2024	22:04
	IC 200-205411/13	60827_013.D	06/18/2024	22:56
	ICV 200-205411/16	60827_016.D	06/19/2024	1:33

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

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Lab File ID: 61451_001.D BFB Injection Date: 08/02/2024

Instrument ID: CHAM.i BFB Injection Time: 07:31

Analysis Batch No.: 207101

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.9	
75	30.0 - 66.0% of mass 95	47.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	79.6	
175	4.0 - 9.0 % of mass 174	6.1	(7.7) 1
176	93.0 - 101.0% of mass 174	77.3	(97.1) 1
177	5.0 - 9.0% of mass 176	5.2	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-207101/3	61451_003.D	08/02/2024	9:12
	LCS 200-207101/4	61451_004.D	08/02/2024	10:04
	MB 200-207101/6	61451_006.D	08/02/2024	11:49
5409	200-74590-6	61451_021.D	08/03/2024	1:56

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

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Lab File ID: 61427-01.D BFB Injection Date: 07/31/2024

Instrument ID: CHX.i BFB Injection Time: 14:07

Analysis Batch No.: 207028

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.9	
75	30.0 - 66.0% of mass 95	50.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.4	
173	Less than 2.0% of mass 174	0.9	(1.1) 1
174	50.0 - 120.0% of mass 95	76.0	
175	4.0 - 9.0 % of mass 174	5.7	(7.5) 1
176	93.0 - 101.0% of mass 174	73.8	(97.1) 1
177	5.0 - 9.0% of mass 176	4.8	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-207028/4	61427-04.D	07/31/2024	16:56
	IC 200-207028/7	61427-07.D	07/31/2024	19:45
	ICIS 200-207028/8	61427-08.D	07/31/2024	20:41
	IC 200-207028/9	61427-09.D	07/31/2024	21:37
	IC 200-207028/12	61427-12.D	08/01/2024	0:27
	IC 200-207028/13	61427-13.D	08/01/2024	1:23
	IC 200-207028/21	61427-21.D	08/01/2024	10:29
	IC 200-207028/22	61427-22.D	08/01/2024	11:24
	ICV 200-207028/23	61427-23.D	08/01/2024	13:10

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

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Lab File ID: 61545-01.D BFB Injection Date: 08/09/2024

Instrument ID: CHX.i BFB Injection Time: 07:28

Analysis Batch No.: 207356

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	23.1	
75	30.0 - 66.0% of mass 95	52.6	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	1.0	(1.3) 1
174	50.0 - 120.0% of mass 95	78.6	
175	4.0 - 9.0 % of mass 174	6.0	(7.7) 1
176	93.0 - 101.0% of mass 174	76.1	(96.8) 1
177	5.0 - 9.0% of mass 176	5.0	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-207356/2	61545-02.D	08/09/2024	8:25
	LCS 200-207356/3	61545-03.D	08/09/2024	9:21
	MB 200-207356/4	61545-04.D	08/09/2024	10:17
2553	200-74672-9	61545-06.D	08/09/2024	12:23

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

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Lab File ID: 61568_001.D BFB Injection Date: 08/12/2024

Instrument ID: CHAN.i BFB Injection Time: 12:16

Analysis Batch No.: 207426

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.5	
75	30.0 - 66.0% of mass 95	51.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	61.2	
175	4.0 - 9.0 % of mass 174	4.8	(7.9) 1
176	93.0 - 101.0% of mass 174	58.5	(95.7) 1
177	5.0 - 9.0% of mass 176	4.0	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-207426/4	61568_004.D	08/12/2024	14:43
	IC 200-207426/6	61568_006.D	08/12/2024	16:26
	IC 200-207426/7	61568_007.D	08/12/2024	17:17
	IC 200-207426/8	61568_008.D	08/12/2024	18:09
	ICIS 200-207426/9	61568_009.D	08/12/2024	19:01
	IC 200-207426/10	61568_010.D	08/12/2024	19:52
	IC 200-207426/13	61568_013.D	08/12/2024	22:28
	IC 200-207426/14	61568_014.D	08/12/2024	23:20
	ICV 200-207426/17	61568_017.D	08/13/2024	1:54

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

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Lab File ID: 61584_001.D BFB Injection Date: 08/13/2024

Instrument ID: CHAN.i BFB Injection Time: 10:32

Analysis Batch No.: 207469

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.6	
75	30.0 - 66.0% of mass 95	52.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	61.6	
175	4.0 - 9.0 % of mass 174	4.8	(7.9) 1
176	93.0 - 101.0% of mass 174	59.0	(95.9) 1
177	5.0 - 9.0% of mass 176	4.0	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-207469/2	61584_002.D	08/13/2024	11:13
	LCS 200-207469/3	61584_003.D	08/13/2024	12:07
	MB 200-207469/4	61584_004.D	08/13/2024	12:58
6020	200-74702-10	61584_005.D	08/13/2024	14:00

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

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Sample No.: ICIS 200-205411/8 Date Analyzed: 06/18/2024 18:35

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 60827_008.D Heated Purge: (Y/N) N

Calibration ID: 52840

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		370316	11.70	1798262	13.56	1633171	19.05
UPPER LIMIT		518442	12.03	2517567	13.89	2286439	19.38
LOWER LIMIT		222190	11.37	1078957	13.23	979903	18.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-205411/16		381323	11.70	1845300	13.55	1658898	19.05

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Sample No.: CCVIS 200-207101/3 Date Analyzed: 08/02/2024 09:12

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 61451_003.D Heated Purge: (Y/N) N

Calibration ID: 52840

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		285055	11.70	1381838	13.55	1231874	19.05
UPPER LIMIT		399077	12.03	1934573	13.88	1724624	19.38
LOWER LIMIT		171033	11.37	829103	13.22	739124	18.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-207101/4		279611	11.70	1353984	13.55	1202798	19.05
MB 200-207101/6		280623	11.70	1343159	13.55	1171729	19.05
200-74575-6	2615	196277	11.70	905593	13.55	764229	19.05

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Sample No.: ICIS 200-205411/8 Date Analyzed: 06/18/2024 18:35

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 60827_008.D Heated Purge: (Y/N) N

Calibration ID: 52840

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		370316	11.70	1798262	13.56	1633171	19.05
UPPER LIMIT		518442	12.03	2517567	13.89	2286439	19.38
LOWER LIMIT		222190	11.37	1078957	13.23	979903	18.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-205411/16		381323	11.70	1845300	13.55	1658898	19.05

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Sample No.: CCVIS 200-207101/3 Date Analyzed: 08/02/2024 09:12

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 61451_003.D Heated Purge: (Y/N) N

Calibration ID: 52840

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		285055	11.70	1381838	13.55	1231874	19.05
UPPER LIMIT		399077	12.03	1934573	13.88	1724624	19.38
LOWER LIMIT		171033	11.37	829103	13.22	739124	18.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-207101/4		279611	11.70	1353984	13.55	1202798	19.05
MB 200-207101/6		280623	11.70	1343159	13.55	1171729	19.05
200-74590-6	5409	194663	11.70	895157	13.55	746811	19.05

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Sample No.: ICIS 200-207028/8 Date Analyzed: 07/31/2024 20:41

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 61427-08.D Heated Purge: (Y/N) N

Calibration ID: 53167

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		61621	11.39	316677	13.22	293131	18.67
UPPER LIMIT		86269	11.72	443348	13.55	410383	19.00
LOWER LIMIT		36973	11.06	190006	12.89	175879	18.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-207028/23		64643	11.39	331727	13.22	362143	18.67

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Sample No.: CCVIS 200-207356/2 Date Analyzed: 08/09/2024 08:25

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 61545-02.D Heated Purge: (Y/N) N

Calibration ID: 53167

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		58843	11.39	287836	13.22	263699	18.67
UPPER LIMIT		82380	11.72	402970	13.55	369179	19.00
LOWER LIMIT		35306	11.06	172702	12.89	158219	18.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-207356/3		64667	11.39	317848	13.22	289210	18.67
MB 200-207356/4		66012	11.39	323526	13.22	280983	18.67
200-74672-9	2553	56852	11.39	274801	13.22	264539	18.67

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Sample No.: ICIS 200-207426/9 Date Analyzed: 08/12/2024 19:01

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 61568_009.D Heated Purge: (Y/N) N

Calibration ID: 53248

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		318377	11.61	1642655	13.45	1470665	18.92
UPPER LIMIT		445728	11.94	2299717	13.78	2058931	19.25
LOWER LIMIT		191026	11.28	985593	13.12	882399	18.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-207426/17		344984	11.61	1755086	13.45	1544124	18.92

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Sample No.: CCVIS 200-207469/2 Date Analyzed: 08/13/2024 11:13

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 61584_002.D Heated Purge: (Y/N) N

Calibration ID: 53248

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		355926	11.61	1822524	13.45	1618835	18.92
UPPER LIMIT		498296	11.94	2551534	13.78	2266369	19.25
LOWER LIMIT		213556	11.28	1093514	13.12	971301	18.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-207469/3		353269	11.61	1787992	13.45	1573252	18.92
MB 200-207469/4		343612	11.61	1760243	13.45	1486250	18.92
200-74702-10	6020	303107	11.61	1548988	13.45	1323474	18.92

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Client Sample ID: 2615 Lab Sample ID: 200-74575-6

Matrix: Air Lab File ID: 61451_019.D

Analysis Method: TO-15 Date Collected: 07/31/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2024 23:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.014
100-42-5	Styrene	0.040	U	0.040	0.012
10061-01-5	1,3-Dichloropropene, cis-	0.040	U	0.040	0.0090
10061-02-6	1,3-Dichloropropene, trans-	0.040	U	0.040	0.011
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.018
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.0084
106-99-0	1,3-Butadiene	0.040	U	0.040	0.0078
107-05-1	Allyl chloride	0.10	U	0.10	0.024
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.019
108-10-1	Methyl isobutyl ketone (MIBK)	0.10	U	0.10	0.026
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.0094
108-88-3	Toluene	0.040	U	0.040	0.012
108-90-7	Chlorobenzene	0.040	U	0.040	0.0088
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.26
110-54-3	Hexane	0.10	U	0.10	0.022
110-82-7	Cyclohexane	0.040	U	0.040	0.012
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.066
123-91-1	1,4-Dioxane	0.040	U	0.040	0.016
124-48-1	Dibromochloromethane	0.040	U	0.040	0.013
127-18-4	Tetrachloroethene	0.040	U	0.040	0.0042
142-82-5	n-Heptane	0.040	U	0.040	0.011
156-59-2	1,2-Dichloroethene, cis-	0.028	U	0.028	0.0042
156-60-5	1,2-Dichloroethene, trans-	0.040	U	0.040	0.0046
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.0072
179601-23-1	m,p-Xylene	0.10	U	0.10	0.019
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.0076
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.015
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.0044
593-60-2	Vinyl bromide	0.040	U	0.040	0.010
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.0098
64-17-5	Ethanol	1.0	U	1.0	0.52
67-63-0	Isopropanol	1.0	U	1.0	0.32

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-74575-1

SDG No.:

Client Sample ID: 2615 | Lab Sample ID: 200-74575-6

Matrix: Air | Lab File ID: 61451_019.D

Analysis Method: TO-15 | Date Collected: 07/31/2024 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/02/2024 23:53

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

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

Analysis Batch No.: 207101 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1.0	U	1.0	0.32
67-66-3	Chloroform	0.040	U	0.040	0.0082
71-43-2	Benzene	0.040	U	0.040	0.0088
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.0088
74-83-9	Bromomethane	0.040	U	0.040	0.014
74-87-3	Chloromethane	0.10	U	0.10	0.030
75-00-3	Chloroethane	0.10	U	0.10	0.036
75-01-4	Vinyl chloride	0.028	U	0.028	0.0042
75-09-2	Methylene Chloride	0.10	U	0.10	0.036
75-15-0	Carbon disulfide	0.10	U	0.10	0.026
75-25-2	Bromoform	0.040	U	0.040	0.024
75-27-4	Bromodichloromethane	0.040	U	0.040	0.010
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.0050
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.0052
75-65-0	tert-Butyl alcohol	1.0	U	1.0	0.24
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.010
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.022
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.011
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.0096
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.019
78-93-3	Methyl ethyl ketone (MEK)	0.10	U	0.10	0.098
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.015
79-01-6	Trichloroethene	0.028	U	0.028	0.0050
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.0086
80-62-6	Methyl methacrylate	0.10	U	0.10	0.028
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.022
91-20-3	Naphthalene	0.10	U	0.10	0.060
95-47-6	Xylene, o-	0.040	U	0.040	0.013
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.0092
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.013
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.016
591-78-6	2-Hexanone	0.10	U	0.10	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Client Sample ID: 2615 Lab Sample ID: 200-74575-6

Matrix: Air Lab File ID: 61451_019.D

Analysis Method: TO-15 Date Collected: 07/31/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2024 23:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-07-1	Propene	1.0	U	1.0	0.24
75-45-6	Chlorodifluoromethane	0.10	U	0.10	0.024
106-97-8	Butane	0.10	U	0.10	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	0.24
141-78-6	Ethyl acetate	1.0	U	1.0	0.32
98-82-8	Isopropylbenzene	0.040	U	0.040	0.0082
103-65-1	N-Propylbenzene	0.040	U	0.040	0.0094
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.0094
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.0090
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.012
100-44-7	Benzyl chloride	0.040	U	0.040	0.018
104-51-8	n-Butylbenzene	0.040	U	0.040	0.022

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_019.D
Lims ID: 200-74575-A-6
Client ID: 2615
Sample Type: Client
Inject. Date: 02-Aug-2024 23:53:29 ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0061451-019
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Aug-2024 21:41:44 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: YWL8 Date: 04-Aug-2024 21:41:44

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1	Propene	41		4.315				ND	7
2	Dichlorodifluoromethane	85		4.412				ND	
3	Chlorodifluoromethane	51		4.465				ND	
4	1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.786				ND	
5	Chloromethane	50		4.915				ND	7
7	Butane	43		5.214				ND	7
6	Vinyl chloride	62		5.214				ND	
8	Butadiene	54		5.332				ND	
9	Bromomethane	94		6.081				ND	
10	Chloroethane	64		6.359				ND	
13	Vinyl bromide	106		6.792				ND	
14	Trichlorofluoromethane	101		6.953				ND	
16	Ethanol	45		7.354				ND	
20	1,1-Dichloroethene	96		8.034				ND	
21	1,1,2-Trichloro-1,2,2-trifluoroe	101		8.071				ND	
22	Acetone	43		8.130				ND	7
23	Isopropyl alcohol	45		8.435				ND	7
24	Carbon disulfide	76		8.440				ND	7
26	3-Chloro-1-propene	41		8.745				ND	
27	Methylene Chloride	49		8.986				ND	7
28	2-Methyl-2-propanol	59		9.216				ND	
30	trans-1,2-Dichloroethene	61		9.483				ND	
31	Methyl tert-butyl ether	73		9.483				ND	
32	Hexane	57		9.992				ND	
33	1,1-Dichloroethane	63		10.270				ND	
34	Vinyl acetate	43		10.275				ND	
36	2-Butanone (MEK)	72		11.259				ND	
37	cis-1,2-Dichloroethene	96		11.281				ND	
38	Ethyl acetate	88		11.329				ND	
* 39	Chlorobromomethane	128	11.698	11.698	0.000	96	196277	10.0	
40	Tetrahydrofuran	42		11.730				ND	
41	Chloroform	83		11.880				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	42 1,1,1-Trichloroethane	97		12.174				ND	
	43 Cyclohexane	84		12.303				ND	
	44 Carbon tetrachloride	117		12.447				ND	
	45 Benzene	78		12.806				ND	7
	46 1,2-Dichloroethane	62		12.891				ND	
	47 Isooctane	57		13.009				ND	
	48 n-Heptane	43		13.319				ND	
*	49 1,4-Difluorobenzene	114	13.549	13.549	0.000	96	905593	10.0	
	51 Trichloroethene	95		13.983				ND	
	53 1,2-Dichloropropane	63		14.448				ND	
	54 Methyl methacrylate	69		14.534				ND	
	55 1,4-Dioxane	88		14.576				ND	
	58 Dichlorobromomethane	83		14.924				ND	
	59 cis-1,3-Dichloropropene	75		15.727				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		15.994				ND	
	62 Toluene	92		16.358				ND	
	66 trans-1,3-Dichloropropene	75		16.786				ND	
	67 1,1,2-Trichloroethane	83		17.166				ND	
	68 Tetrachloroethene	166		17.348				ND	
	69 2-Hexanone	43		17.578				ND	
	70 Chlorodibromomethane	129		17.904				ND	
	71 Ethylene Dibromide	107		18.139				ND	
*	73 Chlorobenzene-d5	117	19.049	19.049	0.000	89	764229	10.0	
	74 Chlorobenzene	112		19.108				ND	
	75 Ethylbenzene	91		19.295				ND	MU
	76 m-Xylene & p-Xylene	106		19.557				ND	
	78 o-Xylene	106		20.327				ND	
	79 Styrene	104		20.359				ND	
	81 Bromoform	173		20.702				ND	
	82 Isopropylbenzene	105		20.996				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.515				ND	7
	85 N-Propylbenzene	91		21.692				ND	
	86 2-Chlorotoluene	91		21.841				ND	
	87 4-Ethyltoluene	105		21.884				ND	
	88 1,3,5-Trimethylbenzene	105		21.975				ND	
	91 tert-Butylbenzene	119		22.451				ND	
	92 1,2,4-Trimethylbenzene	105		22.537				ND	
	93 sec-Butylbenzene	105		22.772				ND	
	94 1,3-Dichlorobenzene	146		22.949				ND	
	95 4-Isopropyltoluene	119		22.981				ND	
	96 1,4-Dichlorobenzene	146		23.088				ND	
	97 Benzyl chloride	91		23.243				ND	
	98 n-Butylbenzene	91		23.548				ND	
	99 1,2-Dichlorobenzene	146		23.591				ND	
	102 1,2,4-Trichlorobenzene	180		26.094				ND	
	103 Hexachlorobutadiene	225		26.335				ND	
	104 Naphthalene	128		26.592				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

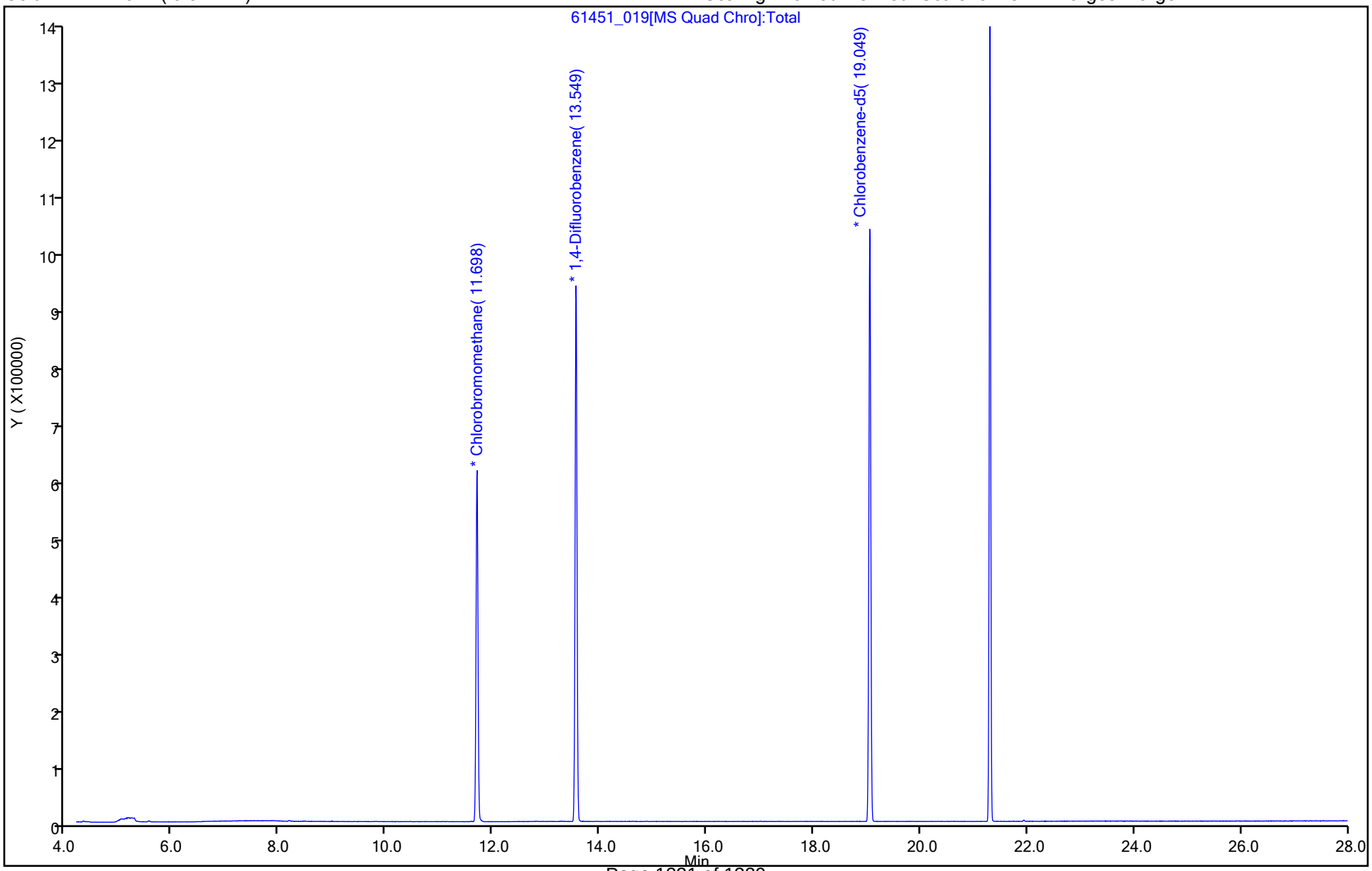
ATTO15AMISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 04-Aug-2024 21:41:45 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_019.D				
Injection Date:	02-Aug-2024 23:53:29	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-74575-A-6	Lab Sample ID:	200-74575-6	Worklist Smp#:	19
Client ID:	2615				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



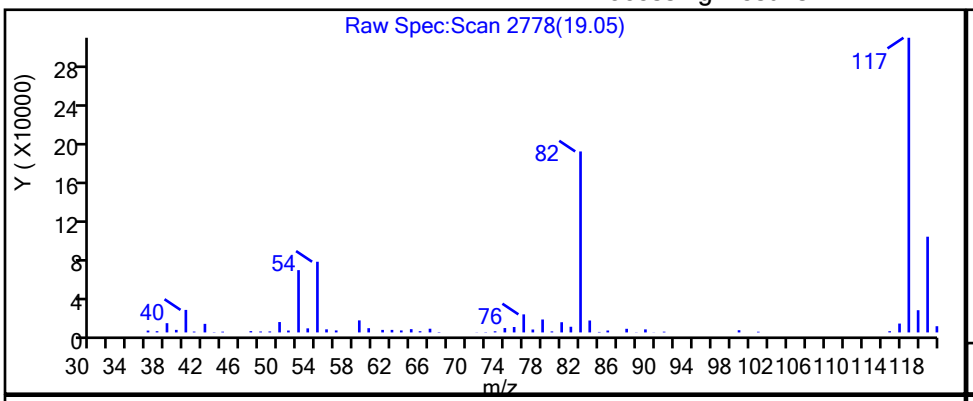
User Disabled Compound Report

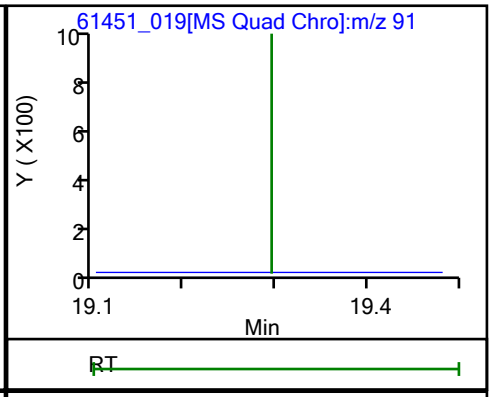
Eurofins Burlington

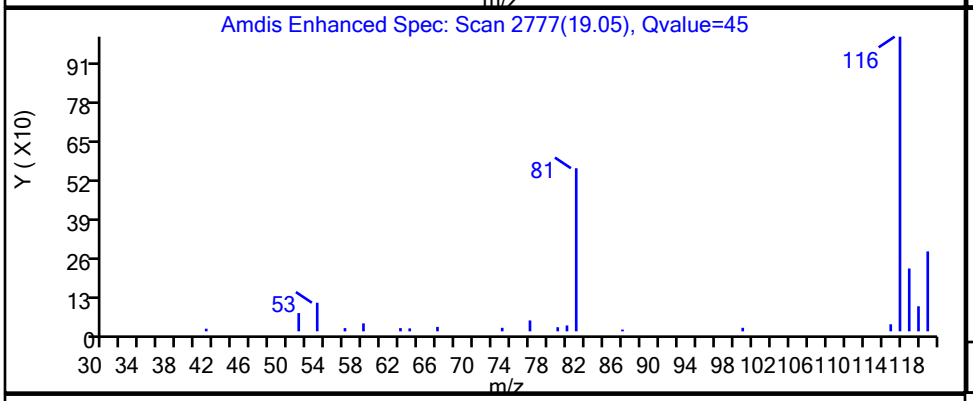
Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_019.D				
Injection Date:	02-Aug-2024 23:53:29	Instrument ID:	CHAM.i		
Lims ID:	200-74575-A-6	Lab Sample ID:	200-74575-6		
Client ID:	2615				
Operator ID:	vtp	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

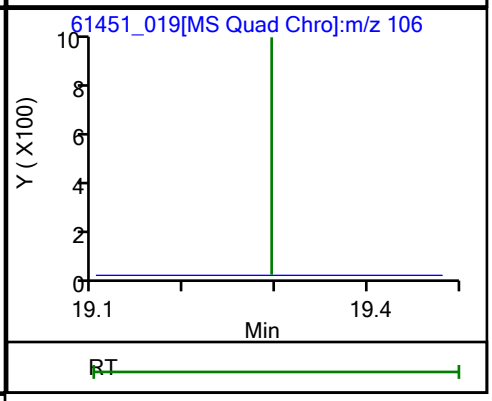
75 Ethylbenzene, CAS: 100-41-4

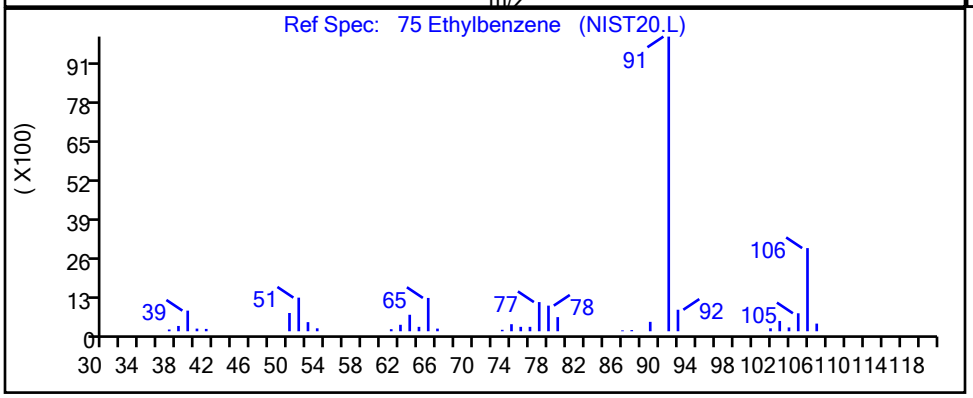
Processing Results











RT	Mass	Response	Amount
19.05	91.00	1624	0.010688
19.29	106.00	0	

Reviewer: YWL8, 04-Aug-2024 21:41:34 07:00:00 (UTC)

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

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-74590-1

SDG No.:

Client Sample ID: 5409 | Lab Sample ID: 200-74590-6

Matrix: Air | Lab File ID: 61451_021.D

Analysis Method: TO-15 | Date Collected: 07/31/2024 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/03/2024 01:56

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

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

Analysis Batch No.: 207101 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.028	U	0.028	0.028
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.028
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.028	U	0.028	0.028
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Client Sample ID: 5409 Lab Sample ID: 200-74590-6

Matrix: Air Lab File ID: 61451_021.D

Analysis Method: TO-15 Date Collected: 07/31/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/03/2024 01:56

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.028
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.028	U	0.028	0.028
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Client Sample ID: 5409 Lab Sample ID: 200-74590-6

Matrix: Air Lab File ID: 61451_021.D

Analysis Method: TO-15 Date Collected: 07/31/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/03/2024 01:56

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207101 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_021.D
Lims ID: 200-74590-A-6
Client ID: 5409
Sample Type: Client
Inject. Date: 03-Aug-2024 01:56:56 ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0061451-021
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Aug-2024 21:41:44 Calib Date: 18-Jun-2024 22:56:27
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20240618-60827.b\60827_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: YWL8 Date: 04-Aug-2024 21:43:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.315				ND	7
2 Dichlorodifluoromethane	85		4.412				ND	
3 Chlorodifluoromethane	51		4.465				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.786				ND	
5 Chloromethane	50		4.915				ND	
7 Butane	43		5.214				ND	7
6 Vinyl chloride	62		5.214				ND	
8 Butadiene	54		5.332				ND	
9 Bromomethane	94		6.081				ND	
10 Chloroethane	64		6.359				ND	
13 Vinyl bromide	106		6.792				ND	
14 Trichlorofluoromethane	101		6.953				ND	
16 Ethanol	45		7.354				ND	
20 1,1-Dichloroethene	96		8.034				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.071				ND	
22 Acetone	43		8.130				ND	7
23 Isopropyl alcohol	45		8.435				ND	7
24 Carbon disulfide	76		8.440				ND	7
26 3-Chloro-1-propene	41		8.745				ND	
27 Methylene Chloride	49		8.986				ND	7
28 2-Methyl-2-propanol	59		9.216				ND	
30 trans-1,2-Dichloroethene	61		9.483				ND	
31 Methyl tert-butyl ether	73		9.483				ND	
32 Hexane	57		9.992				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
33 1,1-Dichloroethane	63		10.270				ND	
34 Vinyl acetate	43		10.275				ND	
36 2-Butanone (MEK)	72		11.259				ND	
37 cis-1,2-Dichloroethene	96		11.281				ND	
38 Ethyl acetate	88		11.329				ND	
* 39 Chlorobromomethane	128	11.698	11.698	0.000	96	194663	10.0	
40 Tetrahydrofuran	42		11.730				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Chloroform	83		11.880				ND	
	42 1,1,1-Trichloroethane	97		12.174				ND	
	43 Cyclohexane	84		12.303				ND	
	44 Carbon tetrachloride	117		12.447				ND	
	45 Benzene	78		12.806				ND	7
	46 1,2-Dichloroethane	62		12.891				ND	
	47 Isooctane	57		13.009				ND	
	48 n-Heptane	43		13.319				ND	7
*	49 1,4-Difluorobenzene	114	13.549	13.549	0.000	96	895157	10.0	
	51 Trichloroethene	95		13.983				ND	
	53 1,2-Dichloropropane	63		14.448				ND	
	54 Methyl methacrylate	69		14.534				ND	
	55 1,4-Dioxane	88		14.576				ND	
	57 Dibromomethane	174		14.608				ND	7
	58 Dichlorobromomethane	83		14.924				ND	
	59 cis-1,3-Dichloropropene	75		15.727				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		15.994				ND	
	62 Toluene	92		16.358				ND	7
	66 trans-1,3-Dichloropropene	75		16.786				ND	
	67 1,1,2-Trichloroethane	83		17.166				ND	
	68 Tetrachloroethene	166	17.342	17.348	-0.006	92	3888	0.0693	
	69 2-Hexanone	43		17.578				ND	
	70 Chlorodibromomethane	129		17.904				ND	
	71 Ethylene Dibromide	107		18.139				ND	
*	73 Chlorobenzene-d5	117	19.054	19.049	0.005	89	746811	10.0	
	74 Chlorobenzene	112		19.108				ND	
	75 Ethylbenzene	91		19.295				ND	7
	76 m-Xylene & p-Xylene	106		19.557				ND	
S	80 Xylenes, Total	106		20.100				ND	7
	78 o-Xylene	106		20.327				ND	
	79 Styrene	104		20.359				ND	
	81 Bromoform	173		20.702				ND	
	82 Isopropylbenzene	105		20.996				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.515				ND	7
	85 N-Propylbenzene	91		21.692				ND	
	86 2-Chlorotoluene	91		21.841				ND	
	87 4-Ethyltoluene	105		21.884				ND	
	88 1,3,5-Trimethylbenzene	105		21.975				ND	
	91 tert-Butylbenzene	119		22.451				ND	
	92 1,2,4-Trimethylbenzene	105		22.537				ND	
	93 sec-Butylbenzene	105		22.772				ND	
	94 1,3-Dichlorobenzene	146		22.949				ND	
	95 4-Isopropyltoluene	119		22.981				ND	
	96 1,4-Dichlorobenzene	146		23.088				ND	
	97 Benzyl chloride	91		23.243				ND	7
	98 n-Butylbenzene	91		23.548				ND	
	99 1,2-Dichlorobenzene	146		23.591				ND	
	102 1,2,4-Trichlorobenzene	180		26.094				ND	
	103 Hexachlorobutadiene	225		26.335				ND	
	104 Naphthalene	128		26.592				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

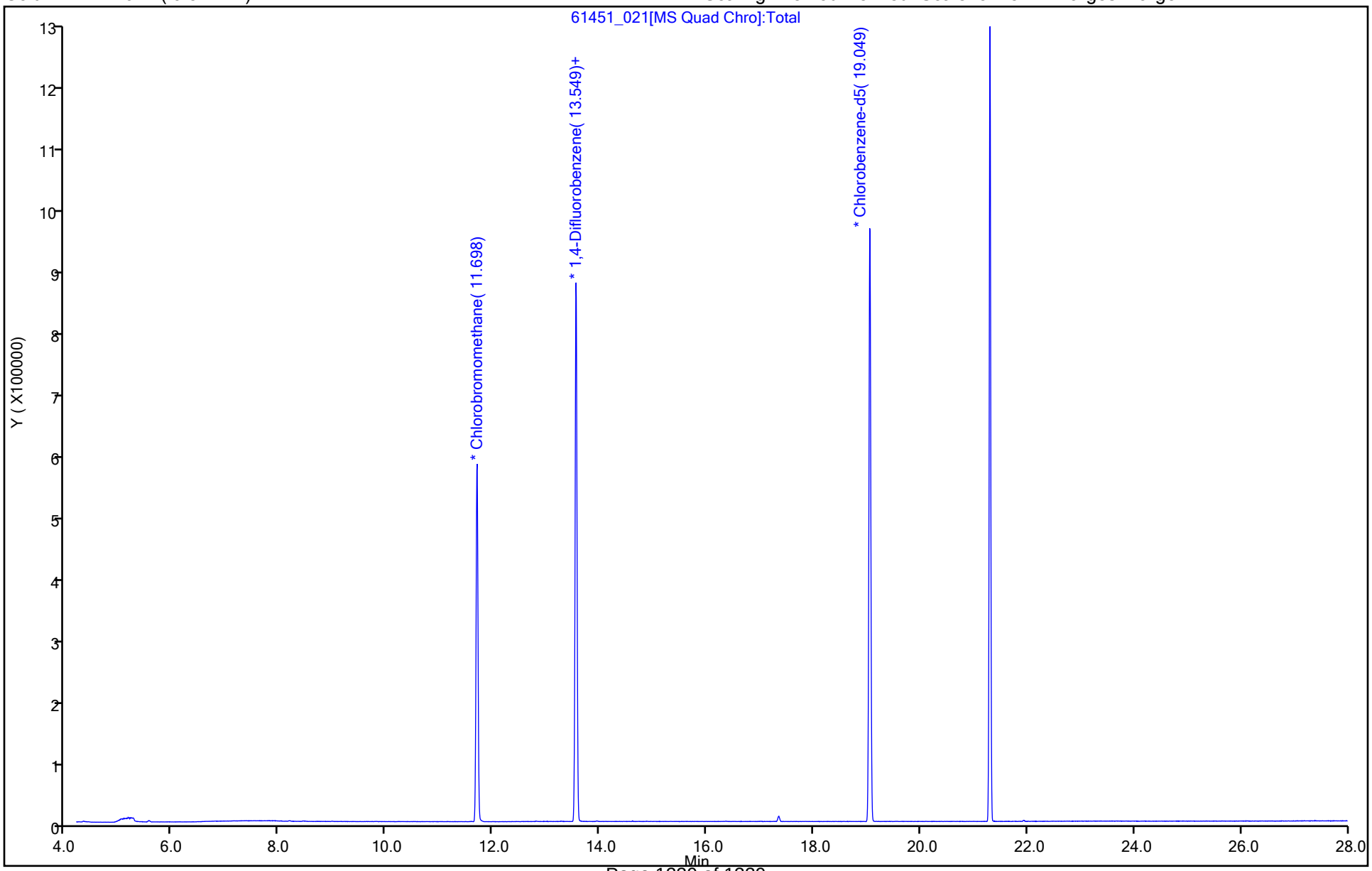
ATTO15AMISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 04-Aug-2024 21:43:56 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20240802-61451.b\61451_021.D				
Injection Date:	03-Aug-2024 01:56:56	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-74590-A-6	Lab Sample ID:	200-74590-6	Worklist Smp#:	21
Client ID:	5409				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Client Sample ID: 2553 Lab Sample ID: 200-74672-9

Matrix: Air Lab File ID: 61545-06.D

Analysis Method: TO-15 Date Collected: 08/07/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/09/2024 12:23

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207356 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.028	U	0.028	0.028
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.028
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.028	U	0.028	0.028
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-74672-1

SDG No.:

Client Sample ID: 2553 | Lab Sample ID: 200-74672-9

Matrix: Air | Lab File ID: 61545-06.D

Analysis Method: TO-15 | Date Collected: 08/07/2024 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/09/2024 12:23

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

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

Analysis Batch No.: 207356 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.028
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.028	U	0.028	0.028
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Client Sample ID: 2553 Lab Sample ID: 200-74672-9

Matrix: Air Lab File ID: 61545-06.D

Analysis Method: TO-15 Date Collected: 08/07/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/09/2024 12:23

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207356 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240809-61545.b\61545-06.D
Lims ID: 200-74672-A-9
Client ID: 2553
Sample Type: Client
Inject. Date: 09-Aug-2024 12:23:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0061545-006
Misc. Info.: |74672-9
Operator ID: wrd Instrument ID: CHX.i

Method: \\chromfs\Burlington\ChromData\CHX.i\20240809-61545.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Aug-2024 20:03:33 Calib Date: 01-Aug-2024 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240731-61427.b\61427-22.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: YWL8 Date: 11-Aug-2024 20:06:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.238				ND	
3 Dichlorodifluoromethane	85		4.334				ND	
4 Chlorodifluoromethane	51		4.377				ND	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.692				ND	
6 Chloromethane	50		4.805				ND	
7 Vinyl chloride	62		5.110				ND	
8 Butane	43		5.115				ND	7
9 Butadiene	54		5.227				ND	
10 Bromomethane	94		5.928				ND	
12 Chloroethane	64		6.190				ND	
14 Vinyl bromide	106		6.608				ND	
15 Trichlorofluoromethane	101		6.768				ND	
17 Ethanol	45	7.234	7.196	0.038	97	1879	0.3609	
20 1,1-Dichloroethene	96		7.827				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.865				ND	
22 Acetone	43		7.929				ND	7
24 Carbon disulfide	76	8.223	8.223	0.000	98	2875	0.0843	
23 Isopropyl alcohol	45	8.314	8.255	0.059	95	2353	0.1081	
27 3-Chloro-1-propene	41		8.517				ND	
28 Methylene Chloride	49		8.748				ND	7
29 2-Methyl-2-propanol	59		9.031				ND	
32 trans-1,2-Dichloroethene	61		9.240				ND	
31 Methyl tert-butyl ether	73		9.261				ND	
S 33 1,2-Dichloroethene, Total	61		9.665				ND	7
34 Hexane	57		9.737				ND	
36 1,1-Dichloroethane	63		9.994				ND	
35 Vinyl acetate	43		10.010				ND	
37 2-Butanone (MEK)	72		10.973				ND	
38 cis-1,2-Dichloroethene	96		10.984				ND	
39 Ethyl acetate	88		11.048				ND	
* 40 Chlorobromomethane	128	11.391	11.390	0.000	95	56852	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Tetrahydrofuran	42		11.454				ND	
	42 Chloroform	83		11.567				ND	
	43 1,1,1-Trichloroethane	97		11.866				ND	
	44 Cyclohexane	84		12.000				ND	
	45 Carbon tetrachloride	117		12.139				ND	
	46 Benzene	78		12.482				ND	
	47 1,2-Dichloroethane	62		12.557				ND	
	48 Isooctane	57		12.696				ND	
	49 n-Heptane	43		13.001				ND	
*	50 1,4-Difluorobenzene	114	13.215	13.215	0.000	97	274801	10.0	
	52 Trichloroethene	95		13.642				ND	
	55 1,2-Dichloropropane	63		14.092				ND	
	56 Methyl methacrylate	69		14.194				ND	
	58 Dibromomethane	174		14.252				ND	
	57 1,4-Dioxane	88		14.268				ND	
	59 Dichlorobromomethane	83		14.568				ND	
	60 cis-1,3-Dichloropropene	75		15.365				ND	
	62 4-Methyl-2-pentanone (MIBK)	43		15.649				ND	
	63 Toluene	92		15.996				ND	
	67 trans-1,3-Dichloropropene	75		16.414				ND	
	68 1,1,2-Trichloroethane	83		16.783				ND	
	69 Tetrachloroethene	166		16.986				ND	
	70 2-Hexanone	43		17.227				ND	
	71 Chlorodibromomethane	129		17.521				ND	
	72 Ethylene Dibromide	107		17.751				ND	
*	73 Chlorobenzene-d5	117	18.666	18.666	0.000	89	264539	10.0	
	74 Chlorobenzene	112		18.719				ND	
	75 Ethylbenzene	91		18.912				ND	7
	76 m-Xylene & p-Xylene	106		19.174				ND	
S	78 Xylenes, Total	106		19.600				ND	7
	79 o-Xylene	106		19.944				ND	
	80 Styrene	104		19.982				ND	
	81 Bromoform	173		20.335				ND	
	82 Isopropylbenzene	105		20.651				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.180				ND	
	85 N-Propylbenzene	91		21.373				ND	
	86 2-Chlorotoluene	91		21.523				ND	
	87 4-Ethyltoluene	105		21.571				ND	
	88 1,3,5-Trimethylbenzene	105		21.667				ND	
	91 tert-Butylbenzene	119		22.149				ND	
	92 1,2,4-Trimethylbenzene	105		22.239				ND	
	93 sec-Butylbenzene	105		22.475				ND	
	94 1,3-Dichlorobenzene	146		22.651				ND	
	95 4-Isopropyltoluene	119		22.689				ND	
	96 1,4-Dichlorobenzene	146		22.790				ND	
	97 Benzyl chloride	91		22.935				ND	
	98 n-Butylbenzene	91		23.240				ND	
	99 1,2-Dichlorobenzene	146		23.272				ND	
	102 1,2,4-Trichlorobenzene	180		25.663				ND	
	103 Hexachlorobutadiene	225		25.904				ND	
	104 Naphthalene	128		26.129				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

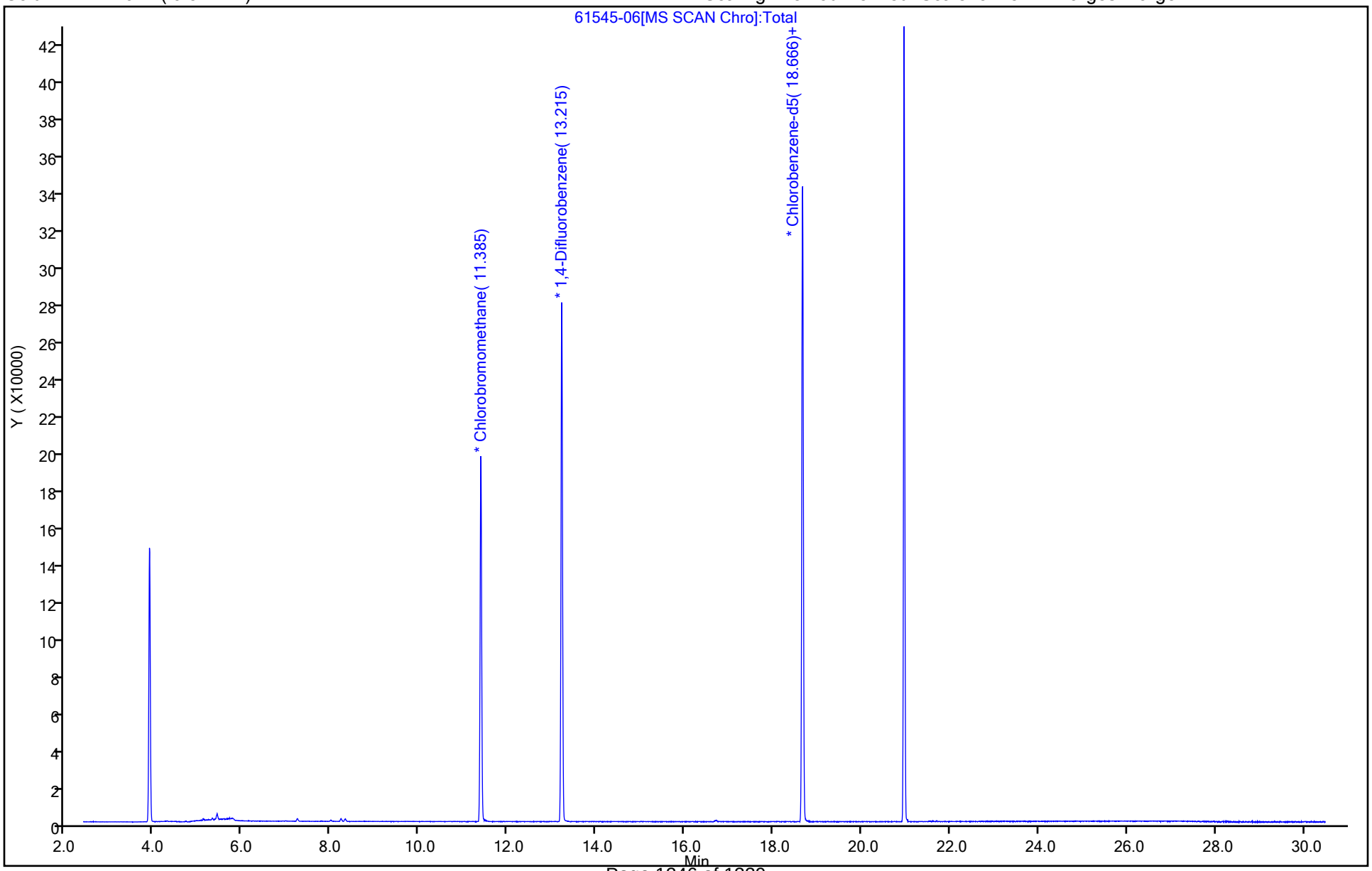
ATTO15XISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 11-Aug-2024 20:06:37 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHX.i\20240809-61545.b\61545-06.D				
Injection Date:	09-Aug-2024 12:23:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-74672-A-9	Lab Sample ID:	200-74672-9	Worklist Smp#:	6
Client ID:	2553				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Client Sample ID: 6020 Lab Sample ID: 200-74702-10

Matrix: Air Lab File ID: 61584_005.D

Analysis Method: TO-15 Date Collected: 08/09/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/13/2024 14:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207469 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.028	U	0.028	0.028
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.028
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.028	U	0.028	0.028
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0

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Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Client Sample ID: 6020 Lab Sample ID: 200-74702-10

Matrix: Air Lab File ID: 61584_005.D

Analysis Method: TO-15 Date Collected: 08/09/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/13/2024 14:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207469 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.028
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.028	U	0.028	0.028
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Client Sample ID: 6020 Lab Sample ID: 200-74702-10

Matrix: Air Lab File ID: 61584_005.D

Analysis Method: TO-15 Date Collected: 08/09/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/13/2024 14:00

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

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

Analysis Batch No.: 207469 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAN.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_005.D
Lims ID: 200-74702-A-10
Client ID: 6020
Sample Type: Client
Inject. Date: 13-Aug-2024 14:00:45 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0061584-005
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 14-Aug-2024 08:18:17 Calib Date: 12-Aug-2024 23:20:04
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20240812-61568.b\61568_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: F7XK Date: 14-Aug-2024 08:18:17

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.380				ND	7
	2 Dichlorodifluoromethane	85		4.482				ND	
	3 Chlorodifluoromethane	51		4.524				ND	7
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.845				ND	
	5 Chloromethane	50		4.963				ND	7
	6 Vinyl chloride	62		5.263				ND	
	7 Butane	43		5.263				ND	7
	8 Butadiene	54		5.375				ND	7
	9 Bromomethane	94		6.097				ND	
	10 Chloroethane	64		6.370				ND	
	13 Vinyl bromide	106		6.793				ND	
	14 Trichlorofluoromethane	101		6.953				ND	
	16 Ethanol	45		7.338				ND	7
	20 1,1-Dichloroethene	96		8.012				ND	MU
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.055				ND	
	22 Acetone	43		8.093				ND	7
	23 Isopropyl alcohol	45		8.392				ND	7
	24 Carbon disulfide	76		8.419				ND	7
	26 3-Chloro-1-propene	41		8.708				ND	7
	27 Methylene Chloride	49		8.938				ND	7
	28 2-Methyl-2-propanol	59		9.157				ND	
	30 trans-1,2-Dichloroethene	61		9.435				ND	7
	31 Methyl tert-butyl ether	73		9.441				ND	
	32 Hexane	57		9.949				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	33 1,1-Dichloroethane	63		10.206				ND	
	34 Vinyl acetate	43		10.211				ND	
	36 2-Butanone (MEK)	72		11.174				ND	
	37 cis-1,2-Dichloroethene	96		11.201				ND	7
	38 Ethyl acetate	88		11.254				ND	
*	39 Chlorobromomethane	128	11.607	11.607	0.000	96	303107	10.0	
	40 Tetrahydrofuran	42		11.650				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Chloroform	83		11.784				ND	
	42 1,1,1-Trichloroethane	97		12.094				ND	7
	43 Cyclohexane	84		12.233				ND	
	44 Carbon tetrachloride	117		12.372				ND	
	45 Benzene	78		12.715				ND	7
	46 1,2-Dichloroethane	62		12.790				ND	
	47 Isooctane	57		12.934				ND	
	48 n-Heptane	43		13.239				ND	7
*	49 1,4-Difluorobenzene	114	13.448	13.448	0.000	97	1548988	10.0	
	51 Trichloroethene	95		13.881				ND	
	53 1,2-Dichloropropane	63		14.336				ND	
	54 Methyl methacrylate	69		14.421				ND	
	55 1,4-Dioxane	88		14.464				ND	
	57 Dibromomethane	174		14.491				ND	7
	58 Dichlorobromomethane	83		14.801				ND	
	59 cis-1,3-Dichloropropene	75		15.604				ND	7
	61 4-Methyl-2-pentanone (MIBK)	43		15.866				ND	
	62 Toluene	92		16.246				ND	MU
	66 trans-1,3-Dichloropropene	75		16.652				ND	7
	67 1,1,2-Trichloroethane	83		17.027				ND	
	68 Tetrachloroethene	166		17.235				ND	
	69 2-Hexanone	43		17.444				ND	
	70 Chlorodibromomethane	129		17.765				ND	
	71 Ethylene Dibromide	107		18.006				ND	7
*	73 Chlorobenzene-d5	117	18.915	18.921	-0.006	91	1323474	10.0	
	74 Chlorobenzene	112		18.974				ND	7
	75 Ethylbenzene	91		19.167				ND	7
	76 m-Xylene & p-Xylene	106		19.429				ND	
S	80 Xylenes, Total	106		20.100				ND	7
	78 o-Xylene	106		20.199				ND	
	79 Styrene	104		20.237				ND	
	81 Bromoform	173		20.568				ND	
	82 Isopropylbenzene	105		20.884				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.387				ND	7
	85 N-Propylbenzene	91		21.590				ND	7
	86 2-Chlorotoluene	91		21.735				ND	7
	87 4-Ethyltoluene	105		21.783				ND	7
	88 1,3,5-Trimethylbenzene	105		21.879				ND	7
	91 tert-Butylbenzene	119		22.355				ND	7
	92 1,2,4-Trimethylbenzene	105		22.441				ND	7
	93 sec-Butylbenzene	105		22.676				ND	MU
	94 1,3-Dichlorobenzene	146		22.847				ND	7
	95 4-Isopropyltoluene	119		22.890				ND	7
	96 1,4-Dichlorobenzene	146	22.992	22.992	0.006	83	1063	0.009184	7Ma
	97 Benzyl chloride	91		23.136				ND	7
	98 n-Butylbenzene	91		23.446				ND	7
	99 1,2-Dichlorobenzene	146		23.479				ND	7
	102 1,2,4-Trichlorobenzene	180		25.939				ND	7
	103 Hexachlorobutadiene	225		26.186				ND	
	104 Naphthalene	128		26.421				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

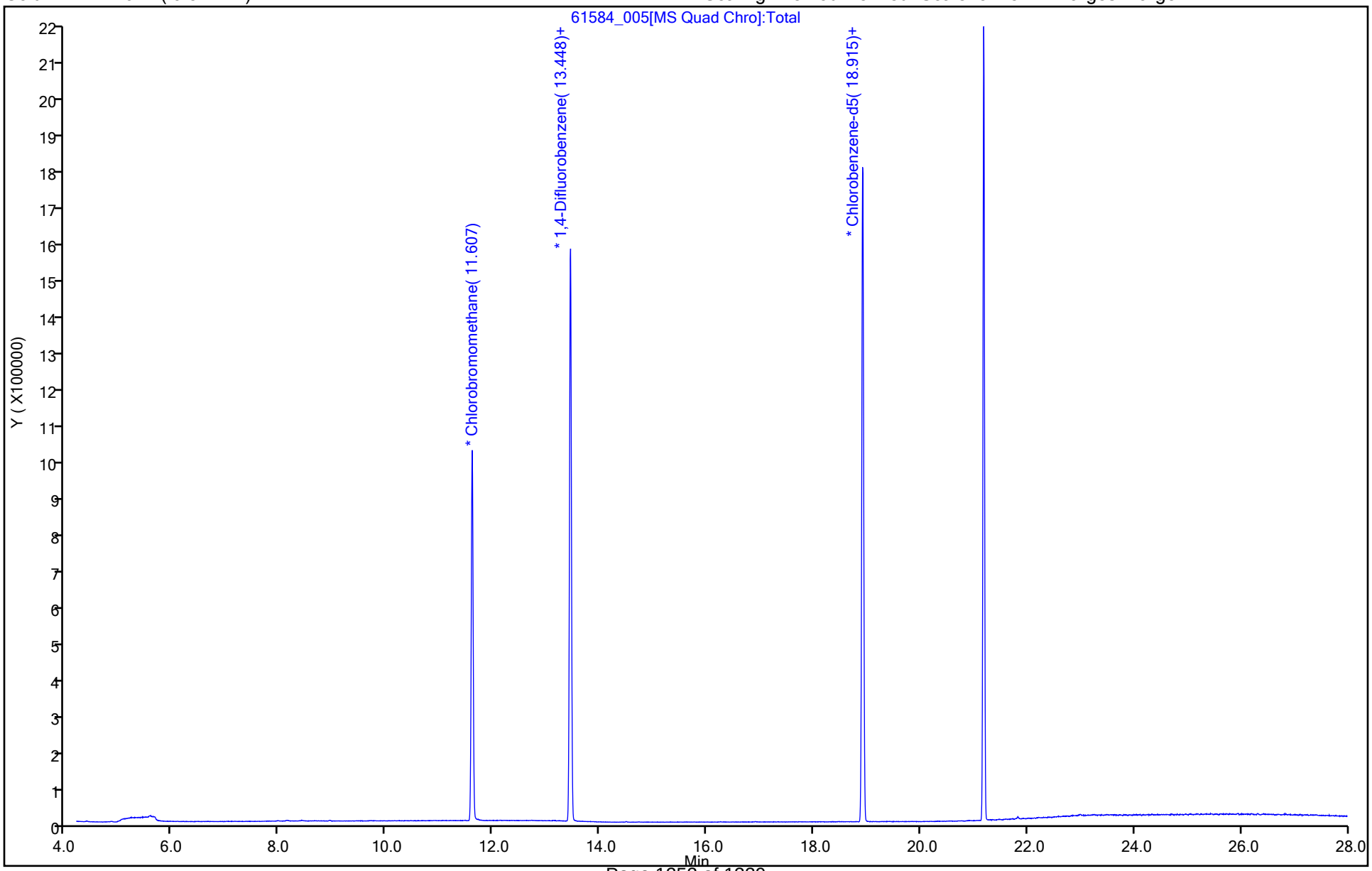
ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 14-Aug-2024 08:18:17 Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_005.D				
Injection Date:	13-Aug-2024 14:00:45	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	200-74702-A-10	Lab Sample ID:	200-74702-10	Worklist Smp#:	5
Client ID:	6020				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



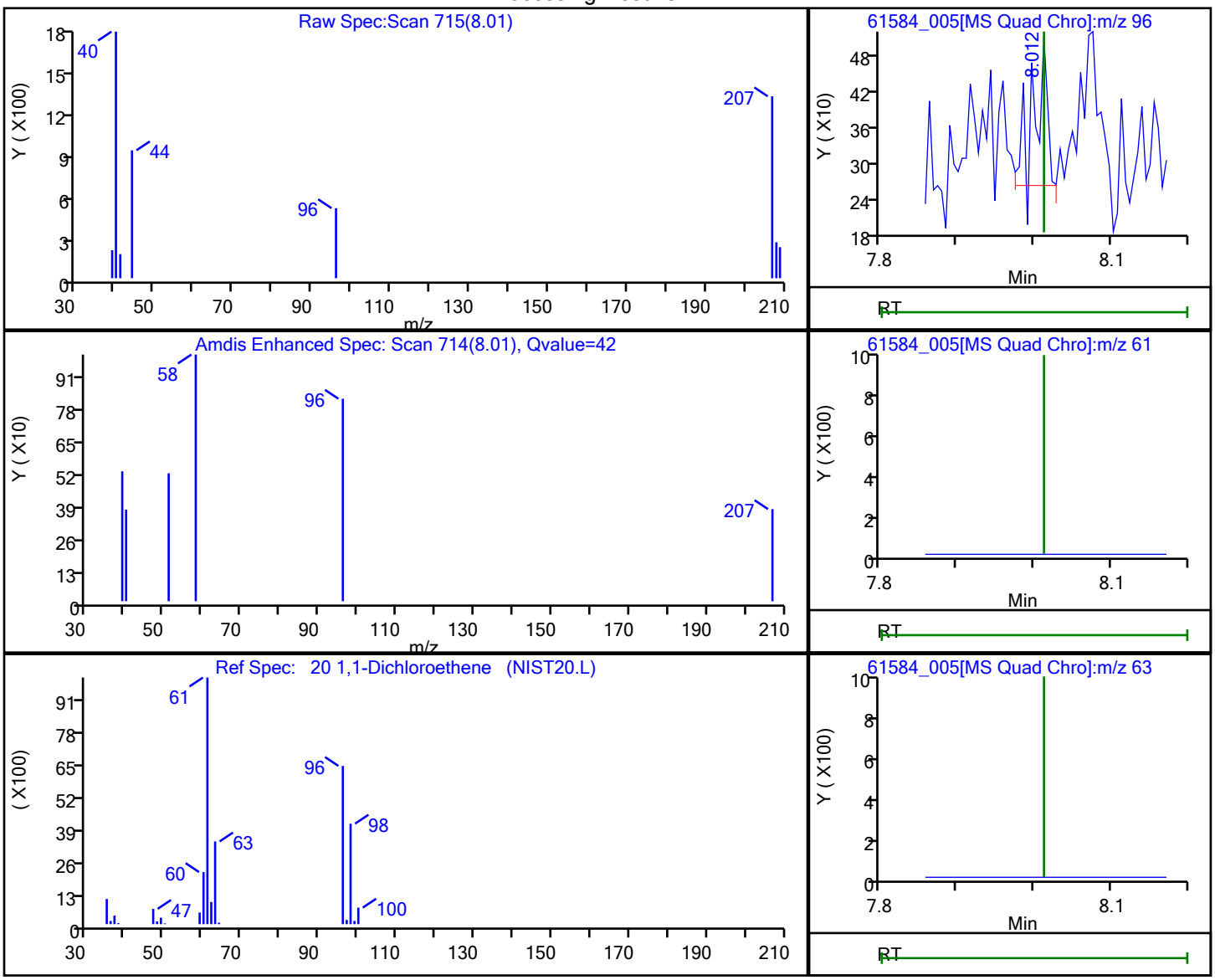
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_005.D				
Injection Date:	13-Aug-2024 14:00:45	Instrument ID:	CHAN.i		
Lims ID:	200-74702-A-10	Lab Sample ID:	200-74702-10		
Client ID:	6020				
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
8.01	96.00	284	0.005666
8.01	61.00	0	
8.01	63.00	0	

Reviewer: F7XK, 14-Aug-2024 08:15:48 07:00:00 (UTC)

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

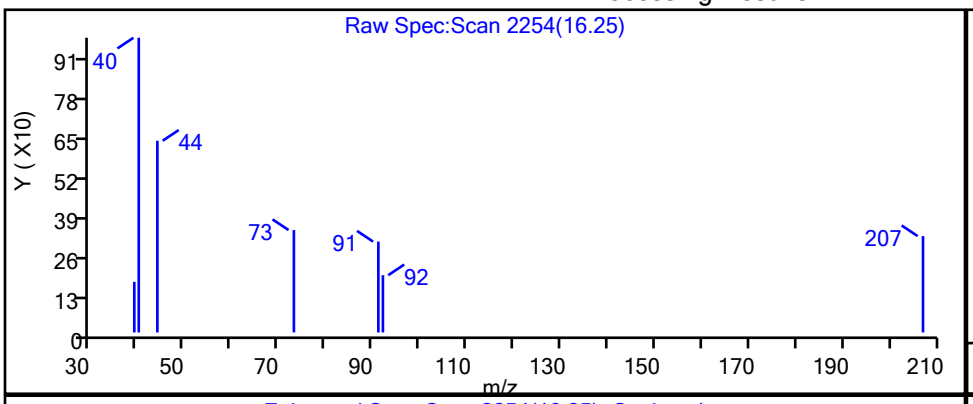
User Disabled Compound Report

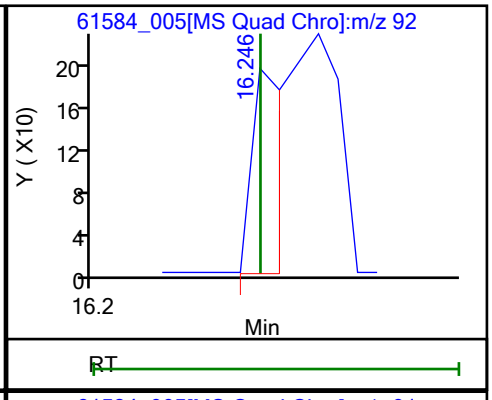
Eurofins Burlington

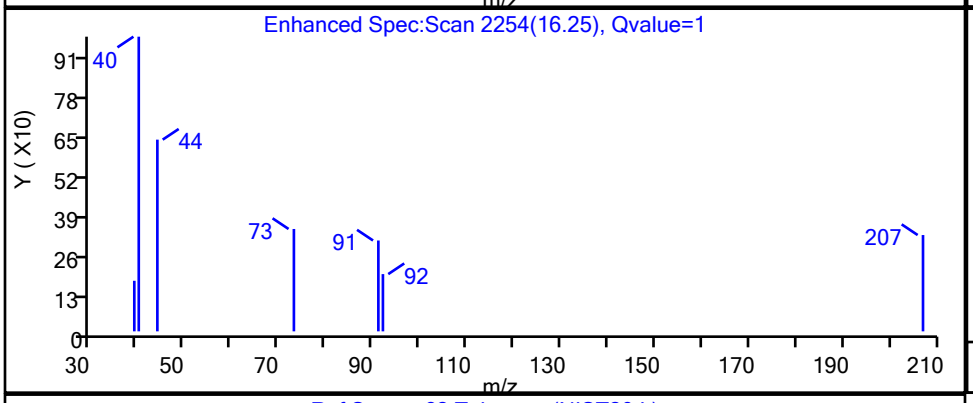
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_005.D				
Injection Date:	13-Aug-2024 14:00:45	Instrument ID:	CHAN.i		
Lims ID:	200-74702-A-10	Lab Sample ID:	200-74702-10		
Client ID:	6020				
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

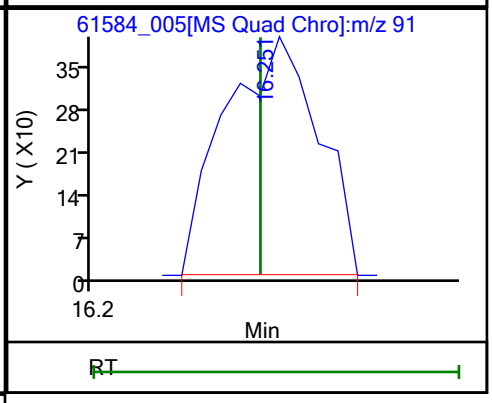
62 Toluene, CAS: 108-88-3

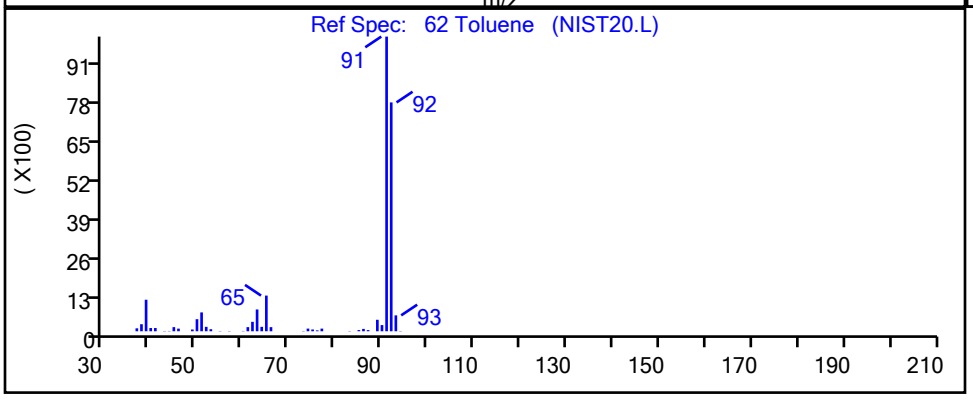
Processing Results











RT	Mass	Response	Amount
16.25	92.00	115	0.001145
16.25	91.00	714	

Reviewer: F7XK, 14-Aug-2024 08:16:52 07:00:00 (UTC)

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

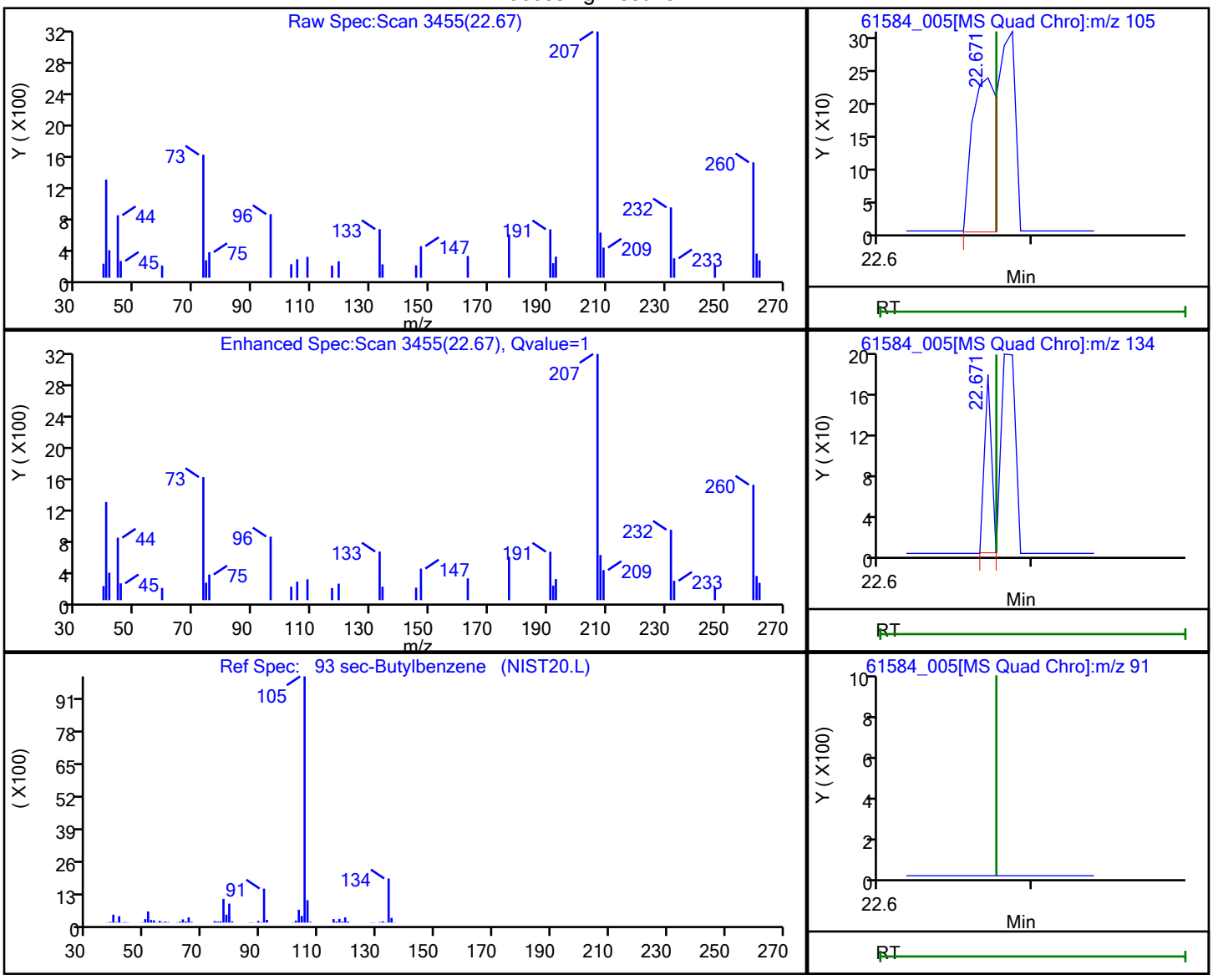
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_005.D				
Injection Date:	13-Aug-2024 14:00:45	Instrument ID:	CHAN.i		
Lims ID:	200-74702-A-10	Lab Sample ID:	200-74702-10		
Client ID:	6020				
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

93 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
22.67	105.00	270	0.000956
22.67	134.00	55	
22.68	91.00	0	

Reviewer: F7XK, 14-Aug-2024 08:17:47 07:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Burlington

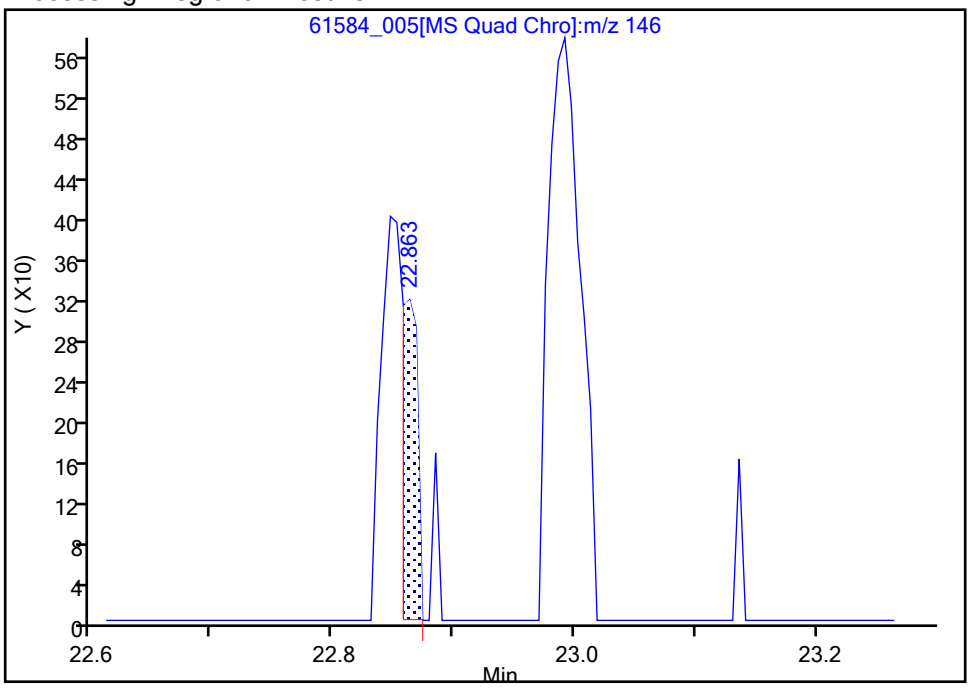
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20240813-61584.b\61584_005.D				
Injection Date:	13-Aug-2024 14:00:45	Instrument ID:	CHAN.i		
Lims ID:	200-74702-A-10	Lab Sample ID:	200-74702-10		
Client ID:	6020				
Operator ID:	wrd	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

96 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

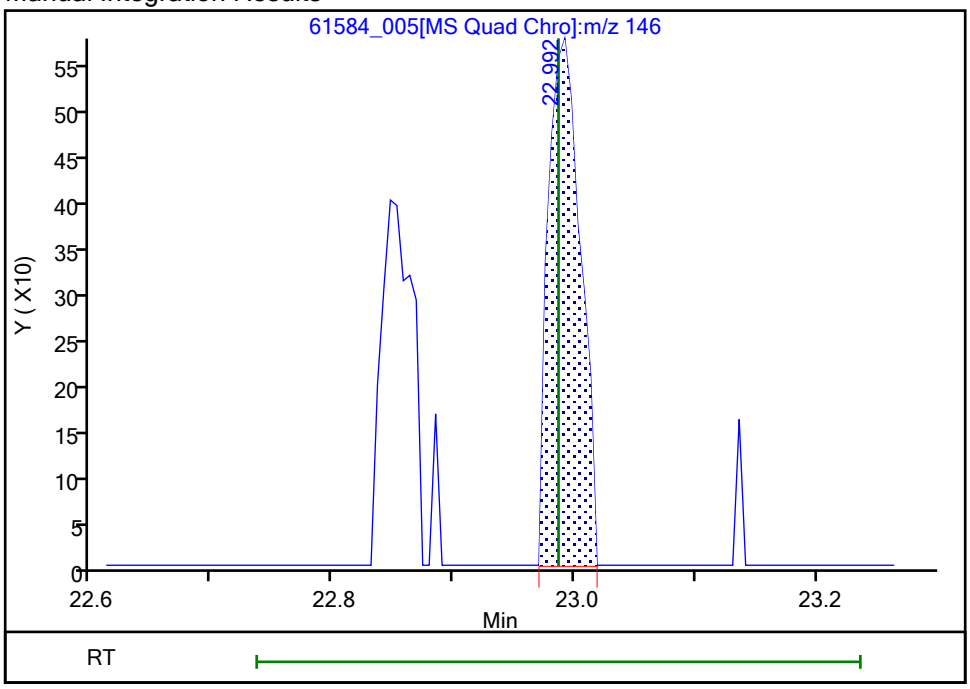
Processing Integration Results

RT: 22.86
Area: 294
Amount: 0.002540
Amount Units: ppb v/v



Manual Integration Results

RT: 22.99
Area: 1063
Amount: 0.009184
Amount Units: ppb v/v



Reviewer: F7XK, 14-Aug-2024 08:17:58 07:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74575-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-205411/4	60827_004.D
Level 2	IC 200-205411/5	60827_005.D
Level 3	IC 200-205411/6	60827_006.D
Level 4	IC 200-205411/7	60827_007.D
Level 5	ICIS 200-205411/8	60827_008.D
Level 6	IC 200-205411/9	60827_009.D
Level 7	IC 200-205411/12	60827_012.D
Level 8	IC 200-205411/13	60827_013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propene	+++++ 1.0260	+++++ 0.9585	+++++ 1.0050	0.9635	0.9785	Ave		0.9863				2.9		30.0			
Dichlorodifluoromethane	+++++ 4.3084	+++++ 4.1170	4.9324 4.0922	4.1475	4.1895	Ave		4.2978				7.4		30.0			
Chlorodifluoromethane	+++++ 2.2781	+++++ 2.1725	2.6174 2.2116	2.2185	2.2189	Ave		2.2862				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 4.3873	4.8925 4.2022	4.9987 4.2010	4.2276	4.2580	Ave		4.4525				7.7		30.0			
Chloromethane	+++++ 1.2451	+++++ 1.1796	1.4385 1.2166	1.2040	1.2017	Ave		1.2476				7.7		30.0			
Butane	+++++ 1.9720	+++++ 1.9489	2.4663 1.8179	2.0423	1.9786	Ave		2.0377				10.9		30.0			
Vinyl chloride	2.0479 1.4283	1.8339 1.4012	1.7731 1.3165	1.4778	1.4265	Ave		1.5881				16.5		30.0			
1,3-Butadiene	1.7604 1.0738	1.3818 1.0656	1.3449 0.9927	1.0906	1.0751	Ave		1.2231				21.1		30.0			
Bromomethane	+++++ 1.6134	1.8698 1.5443	1.8354 1.5565	1.5659	1.5660	Ave		1.6502				8.5		30.0			
Chloroethane	+++++ 0.8613	+++++ 0.8232	0.9801 0.8401	0.8322	0.8363	Ave		0.8622				6.9		30.0			
Vinyl bromide	+++++ 1.6302	1.8529 1.5717	1.8744 1.5673	1.5879	1.5838	Ave		1.6669				8.2		30.0			
Trichlorofluoromethane	+++++ 4.4702	5.1298 4.3342	5.2433 4.2205	4.4181	4.3705	Ave		4.5981				8.9		30.0			
Ethanol	+++++ 0.6159	+++++ 0.5885	0.6272 0.6048	0.5893	0.5889	Ave		0.6024				2.7		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74575-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloroethene	2.0609 1.7457	2.0759 1.6895	2.0227 1.6406	1.7030	1.7099	Ave		1.8310				10.2		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 3.7237	4.4501 3.5950	4.4048 3.4445	3.6768	3.6718	Ave		3.8524				10.5		30.0			
Acetone	+++++ 2.3838	+++++ 2.3472	+++++ 2.2612	2.4163	2.3534	Ave		2.3524				2.5		30.0			
Isopropanol	+++++ 2.7657	+++++ 2.7714	+++++ 2.5299	2.7321	2.7266	Ave		2.7051				3.7		30.0			
Carbon disulfide	+++++ 4.9904	+++++ 4.8356	5.8371 4.5890	4.9712	4.9235	Ave		5.0245				8.4		30.0			
Allyl chloride	+++++ 2.0679	2.4870 2.0196	2.5010 1.9404	2.0793	2.0505	Ave		2.1637				10.6		30.0			
Methylene Chloride	+++++ 1.8781	+++++ 1.8272	2.2927 1.7524	1.9020	1.8685	Ave		1.9201				9.9		30.0			
tert-Butyl alcohol	+++++ 3.2037	+++++ 3.0496	+++++ 2.9753	3.1490	3.1141	Ave		3.0983				2.9		30.0			
1,2-Dichloroethene, trans-	2.9683 2.4441	2.8994 2.3689	2.8964 2.2228	2.4937	2.4373	Ave		2.5914				11.0		30.0			
Methyl tert-butyl ether	+++++ 4.7584	5.1010 4.6100	5.1999 4.3656	4.7293	4.6938	Ave		4.7797				6.0		30.0			
Hexane	+++++ 2.6021	3.1412 2.5326	3.0839 2.4086	2.6381	2.5859	Ave		2.7132				10.4		30.0			
1,1-Dichloroethane	3.8302 3.0854	3.7463 2.9861	3.6994 2.7999	3.1518	3.0792	Ave		3.2973				12.1		30.0			
Vinyl acetate	+++++ 4.0787	+++++ 4.0147	+++++ 3.8416	3.8550	3.9720	Ave		3.9524				2.6		30.0			
Methyl ethyl ketone (MEK)	+++++ 0.8891	+++++ 0.8610	0.9889 0.8325	0.8780	0.8728	Ave		0.8871				6.0		30.0			
1,2-Dichloroethene, cis-	2.3249 1.8978	2.2837 1.8340	2.2660 1.7609	1.8897	1.8683	Ave		2.0157				11.6		30.0			
Ethyl acetate	+++++ 0.1589	+++++ 0.1535	+++++ 0.1500	0.1557	0.1553	Ave		0.1547				2.1		30.0			
Tetrahydrofuran	+++++ 0.3797	+++++ 0.3697	+++++ 0.3550	0.3829	0.3780	Ave		0.3731				3.0		30.0			
Chloroform	+++++ 3.7145	4.4778 3.6055	4.3760 3.4521	3.7424	3.6928	Ave		3.8659				10.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74575-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 0.7646	0.8856 0.7428	0.9060 0.7173	0.7612	0.7578	Ave		0.7908				9.3		30.0			
Cyclohexane	+++++ 0.4795	0.5359 0.4659	0.5544 0.4535	0.4788	0.4748	Ave		0.4918				7.7		30.0			
Carbon tetrachloride	0.8349 0.7945	0.8989 0.7724	0.8992 0.7490	0.7839	0.7814	Ave		0.8143				7.1		30.0			
Benzene	+++++ 1.1096	1.3244 1.0729	1.3276 1.0220	1.1196	1.1087	Ave		1.1550				10.5		30.0			
1,2-Dichloroethane	+++++ 0.4914	0.5783 0.4771	0.5861 0.4608	0.4935	0.4896	Ave		0.5110				9.8		30.0			
2,2,4-Trimethylpentane	+++++ 1.7294	2.0477 1.6666	2.0628 1.5639	1.7591	1.7294	Ave		1.7941				10.6		30.0			
n-Heptane	+++++ 0.6243	0.7488 0.6037	0.7467 0.5748	0.6338	0.6219	Ave		0.6506				10.6		30.0			
Trichloroethene	0.6279 0.5093	0.5944 0.4939	0.5985 0.4743	0.5096	0.5036	Ave		0.5390				10.8		30.0			
1,2-Dichloropropane	+++++ 0.4196	0.4967 0.4065	0.4932 0.3900	0.4238	0.4176	Ave		0.4354				9.7		30.0			
Methyl methacrylate	+++++ 0.4089	+++++ 0.3967	0.4163 0.3827	0.4011	0.4051	Ave		0.4018				2.9		30.0			
1,4-Dioxane	+++++ 0.2209	0.2316 0.2060	0.2415 0.1948	0.2258	0.2220	Ave		0.2204				7.1		30.0			
Bromodichloromethane	+++++ 0.8342	0.9435 0.8104	0.9610 0.7769	0.8377	0.8295	Ave		0.8562				8.1		30.0			
1,3-Dichloropropene, cis-	+++++ 0.7291	0.7743 0.7110	0.7861 0.6898	0.7134	0.7196	Ave		0.7319				4.8		30.0			
Methyl isobutyl ketone (MIBK)	+++++ 0.7960	+++++ 0.7791	0.8631 0.7485	0.7898	0.7792	Ave		0.7926				4.8		30.0			
Toluene	+++++ 0.8830	1.0199 0.8368	1.0341 0.7936	0.8851	0.8750	Ave		0.9039				10.0		30.0			
1,3-Dichloropropene, trans-	+++++ 0.5821	0.5970 0.5685	0.6184 0.5567	0.5660	0.5733	Ave		0.5803				3.6		30.0			
1,1,2-Trichloroethane	+++++ 0.4554	0.5158 0.4343	0.5207 0.4167	0.4550	0.4477	Ave		0.4637				8.6		30.0			
Tetrachloroethene	0.8789 0.7145	0.8483 0.6759	0.8309 0.6476	0.7104	0.7077	Ave		0.7518				11.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74575-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.8443	+++++ 0.8099	0.8440 0.7787	0.8221	0.8237	Ave		0.8204				3.0		30.0			
Dibromochloromethane	+++++ 0.9540	0.9826 0.9124	1.0227 0.8692	0.9265	0.9387	Ave		0.9437				5.2		30.0			
1,2-Dibromoethane	+++++ 0.8289	0.9226 0.7918	0.9323 0.7544	0.8230	0.8151	Ave		0.8383				7.9		30.0			
Chlorobenzene	+++++ 1.1809	1.4027 1.1225	1.3880 1.0609	1.1874	1.1730	Ave		1.2165				10.7		30.0			
Ethylbenzene	+++++ 1.9445	2.2651 1.8331	2.2792 1.6807	1.9782	1.9371	Ave		1.9883				11.0		30.0			
m,p-Xylene	+++++ 0.7342	0.8439 0.6936	0.8613 0.6417	0.7485	0.7304	Ave		0.7505				10.4		30.0			
Xylene, o-	+++++ 0.7170	0.8029 0.6784	0.8034 0.6404	0.7212	0.7119	Ave		0.7250				8.3		30.0			
Styrene	+++++ 1.1862	1.2308 1.1213	1.2906 1.0496	1.1929	1.1801	Ave		1.1788				6.5		30.0			
Bromoform	+++++ 0.9224	0.8387 0.8778	0.9434 0.8241	0.8752	0.9021	Ave		0.8834				4.9		30.0			
Isopropylbenzene	+++++ 2.1185	2.3732 1.9983	2.4904 1.7939	2.1650	2.1149	Ave		2.1506				10.7		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.1681	1.2434 1.1059	1.3080 1.0263	1.1664	1.1530	Ave		1.1673				7.8		30.0			
N-Propylbenzene	+++++ 2.5684	2.8424 2.3962	2.9692 2.0758	2.6546	2.5861	Ave		2.5847				11.3		30.0			
2-Chlorotoluene	+++++ 1.6753	1.9319 1.5712	1.9815 1.4606	1.7040	1.6683	Ave		1.7132				10.8		30.0			
4-Ethyltoluene	+++++ 2.0844	2.1943 1.9422	2.3571 1.7192	2.1276	2.0774	Ave		2.0717				9.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.7543	1.8656 1.6338	1.9685 1.4315	1.7813	1.7440	Ave		1.7399				9.9		30.0			
tert-Butylbenzene	+++++ 1.6754	1.8046 1.5712	1.8934 1.4115	1.6936	1.6616	Ave		1.6731				9.3		30.0			
1,2,4-Trimethylbenzene	+++++ 1.7727	1.8496 1.6589	1.9743 1.4809	1.7897	1.7618	Ave		1.7554				8.8		30.0			
sec-Butylbenzene	+++++ 2.5356	2.7415 2.3470	2.9063 1.9990	2.6030	2.5344	Ave		2.5238				11.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74575-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3-Dichlorobenzene	+++++ 1.2162	1.2665 1.1507	1.3485 1.0352	1.2180	1.2049	Ave		1.2057				8.0		30.0			
4-Isopropyltoluene	+++++ 2.1172	2.1868 1.9718	2.3460 1.7031	2.1579	2.1170	Ave		2.0857				9.7		30.0			
1,4-Dichlorobenzene	+++++ 1.2220	1.2568 1.1462	1.3319 1.0491	1.2148	1.2077	Ave		1.2040				7.3		30.0			
Benzyl chloride	+++++ 1.6768	1.2666 1.5783	1.4332 1.4501	1.5977	1.6391	Ave		1.5203				9.5		30.0			
n-Butylbenzene	+++++ 2.0748	2.0901 1.9329	2.2773 1.6734	2.0617	2.0512	Ave		2.0231				9.1		30.0			
1,2-Dichlorobenzene	+++++ 1.1649	1.1776 1.0942	1.2747 1.0016	1.1526	1.1502	Ave		1.1451				7.3		30.0			
1,2,4-Trichlorobenzene	+++++ 1.0163	+++++ 0.9480	0.9383 0.8591	0.8534	0.9477	Ave		0.9271				6.6		30.0			
Hexachlorobutadiene	+++++ 0.8479	0.8738 0.7945	0.9255 0.7315	0.8056	0.8132	Ave		0.8274				7.5		30.0			
Naphthalene	+++++ 1.9394	1.3207 1.8101	1.6966 1.5138	1.4776	1.8199	Ave		1.6540				13.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74575-1 | Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 | Calibration End Date: 06/18/2024 22:56 | Calibration ID: 52840

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-205411/4	60827_004.D
Level 2	IC 200-205411/5	60827_005.D
Level 3	IC 200-205411/6	60827_006.D
Level 4	IC 200-205411/7	60827_007.D
Level 5	ICIS 200-205411/8	60827_008.D
Level 6	IC 200-205411/9	60827_009.D
Level 7	IC 200-205411/12	60827_012.D
Level 8	IC 200-205411/13	60827_013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propene	BCM	Ave	+++++ 558097	+++++ 723619	+++++ 1514227	176031	362285	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2343673	+++++ 3108166	85230 6165835	757709	1551126	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Chlorodifluoromethane	BCM	Ave	+++++ 1239245	+++++ 1640162	45228 3332283	405293	821547	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2386576	34798 3172461	86375 6329795	772338	1576507	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 677285	+++++ 890571	24857 1833175	219965	444934	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Butane	BCM	Ave	+++++ 1072737	+++++ 1471308	42617 2739123	373103	732556	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2521 776940	13044 1057815	30638 1983612	269974	528169	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	2167 584121	9828 804486	23239 1495803	199248	398065	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 877664	13299 1165849	31714 2345300	286079	579786	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 468540	+++++ 621451	16936 1265850	152036	309621	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	+++++ 886810	13179 1186550	32388 2361483	290097	586404	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2431649	36486 3272103	90602 6359240	807156	1618139	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 447683	+++++ 888759	108507 2278218	215450	327212	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0
1,1-Dichloroethene	BCM	Ave	2537 949590	14765 1275490	34951 2471989	311128	633073	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloro-1,2,2-trifluoroethane	BCM	Ave	+++++	31652	76113	671725	1359479	+++++	0.200	0.500	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74575-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2025589	2714041	5189950			15.0	20.0	40.0		
Acetone	BCM	Ave	+++++ 1296744	+++++ 1772051	+++++ 3406981	441429	871319	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropanol	BCM	Ave	+++++ 1504487	+++++ 2092259	+++++ 3811929	499131	1009499	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2714655	+++++ 3650653	100862 6914404	908195	1822885	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Allyl chloride	BCM	Ave	+++++ 1124876	17689 1524707	43216 2923694	379873	759171	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 1021634	+++++ 1379423	39617 2640417	347471	691784	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1742709	+++++ 2302289	+++++ 4482999	575291	1152971	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichloroethene, trans-	BCM	Ave	3654 1329532	20622 1788400	50049 3349153	455572	902398	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2588464	36281 3480350	89851 6577905	864008	1737839	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	+++++ 1415496	22342 1911972	53289 3629087	481957	957430	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	4715 1678392	26646 2254390	63924 4218726	575800	1140065	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 2218721	+++++ 3030899	+++++ 5788291	704282	1470626	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl ethyl ketone (MEK)	BCM	Ave	+++++ 483625	+++++ 650052	17088 1254355	160408	323135	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethene, cis-	BCM	Ave	2862 1032327	16243 1384569	39155 2653261	345240	691711	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 86460	+++++ 115855	+++++ 226062	28453	57493	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	+++++ 1009389	+++++ 1362726	+++++ 2605295	339688	679669	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Chloroform	BCM	Ave	+++++ 2020603	31849 2722017	75615 5201424	683695	1367229	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 2032522	30748 2738102	76210 5264113	675208	1362378	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 1274672	18606 1717470	46635 3328155	424745	853731	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	5018 2111968	31211 2847299	75644 5496205	695347	1404838	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 2949718	45983 3954919	111680 7499897	993124	1993340	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74575-1 | Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 | Calibration End Date: 06/18/2024 22:56 | Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dichloroethane	DFBZ	Ave	+++++ 1306330	20077 1758621	49301 3381895	437796	880229	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 4597260	71094 6143222	173524 11476768	1560406	3109297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 1659562	25998 2225137	62813 4218468	562248	1118119	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	3774 1353950	20639 1820381	50349 3480974	452060	905417	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 1115547	17244 1498560	41488 2862055	375948	750777	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 1086873	+++++ 1462315	35016 2808266	355760	728299	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 587168	8042 759266	20314 1429437	200314	399108	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 2217677	32758 2987095	80841 5701006	743069	1491302	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, cis-	DFBZ	Ave	+++++ 1938063	26882 2620837	66123 5062015	632861	1293690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl isobutyl ketone (MIBK)	DFBZ	Ave	+++++ 2115903	+++++ 2871898	72600 5492714	700572	1401012	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZd5	Ave	+++++ 2117561	31991 2821216	78387 5353825	710551	1428738	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, trans-	DFBZ	Ave	+++++ 1547417	20726 2095487	52022 4085314	502060	1030762	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 1092198	16178 1464033	39472 2811208	365258	731086	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrachloroethene	CBNZd5	Ave	4739 1713468	26609 2278709	62984 4368753	570283	1155569	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Hexanone	CBNZd5	Ave	+++++ 2024634	+++++ 2730402	63982 5253365	659954	1344921	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZd5	Ave	+++++ 2287896	30821 3076167	77527 5863638	743810	1532790	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZd5	Ave	+++++ 1987815	28937 2669356	70675 5089219	660715	1331018	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZd5	Ave	+++++	43997	105220	953189	1915280	+++++	0.200	0.500	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74575-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2831884	3784397	7156986			15.0	20.0	40.0		
Ethylbenzene	CBNZd5	Ave	+++++ 4663246	71047 6179964	172772 11338689	1588024	3163034	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZd5	Ave	+++++ 3521465	52937 4676768	130576 8658654	1201830	2385320	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNZd5	Ave	+++++ 1719348	25185 2287197	60904 4320565	578962	1162472	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZd5	Ave	+++++ 2844568	38605 3780323	97832 7081251	957594	1926940	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZd5	Ave	+++++ 2212114	26305 2959482	71512 5560002	702596	1473013	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Isopropylbenzene	CBNZd5	Ave	+++++ 5080481	74439 6736831	188787 12102329	1738013	3453308	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZd5	Ave	+++++ 2801216	38999 3728371	99150 6923918	936357	1882713	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
N-Propylbenzene	CBNZd5	Ave	+++++ 6159327	89155 8078356	225079 14004175	2131026	4222651	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZd5	Ave	+++++ 4017590	60595 5297067	150208 9853755	1367894	2724048	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZd5	Ave	+++++ 4998650	68827 6547713	178682 11598408	1707963	3392172	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZd5	Ave	+++++ 4206995	58517 5508171	149224 9657270	1429968	2847629	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZd5	Ave	+++++ 4017792	56604 5297179	143530 9522756	1359601	2713149	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trimethylbenzene	CBNZd5	Ave	+++++ 4251046	58013 5592770	149661 9990777	1436763	2876766	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZd5	Ave	+++++ 6080749	85988 7912602	220309 13485847	2089618	4138279	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74575-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3-Dichlorobenzene	CBNZd5	Ave	+++++ 2916607	39726 3879262	102224 6983869	977772	1967363	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZd5	Ave	+++++ 5077205	68591 6647693	177836 11489820	1732296	3456775	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZd5	Ave	+++++ 2930522	39420 3864220	100961 7077326	975187	1971944	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZd5	Ave	+++++ 4021142	39728 5321080	108641 9782948	1282625	2676451	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBNZd5	Ave	+++++ 4975718	65557 6516638	172628 11289163	1655103	3349368	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZd5	Ave	+++++ 2793641	36938 3688832	96629 6757080	925254	1878164	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZd5	Ave	+++++ 2437199	+++++ 3195938	71125 5795645	685079	1547413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZd5	Ave	+++++ 2033416	27406 2678622	70154 4934785	646731	1327846	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZd5	Ave	+++++ 5529899	49254 7255764	152922 12142595	1410375	3533347	+++++ 17.8	0.238 23.8	0.595 47.6	5.94	11.9

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-205411/4	60827_004.D
Level 2	IC 200-205411/5	60827_005.D
Level 3	IC 200-205411/6	60827_006.D
Level 4	IC 200-205411/7	60827_007.D
Level 5	ICIS 200-205411/8	60827_008.D
Level 6	IC 200-205411/9	60827_009.D
Level 7	IC 200-205411/12	60827_012.D
Level 8	IC 200-205411/13	60827_013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 1.0260	+++++ 0.9585	+++++ 1.0050	0.9635	0.9785	Ave		0.9863				2.9		30.0			
Dichlorodifluoromethane	+++++ 4.3084	+++++ 4.1170	4.9324 4.0922	4.1475	4.1895	Ave		4.2978				7.4		30.0			
Freon 22	+++++ 2.2781	+++++ 2.1725	2.6174 2.2116	2.2185	2.2189	Ave		2.2862				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 4.3873	4.8925 4.2022	4.9987 4.2010	4.2276	4.2580	Ave		4.4525				7.7		30.0			
Chloromethane	+++++ 1.2451	+++++ 1.1796	1.4385 1.2166	1.2040	1.2017	Ave		1.2476				7.7		30.0			
n-Butane	+++++ 1.9720	+++++ 1.9489	2.4663 1.8179	2.0423	1.9786	Ave		2.0377				10.9		30.0			
Vinyl chloride	2.0479 1.4283	1.8339 1.4012	1.7731 1.3165	1.4778	1.4265	Ave		1.5881				16.5		30.0			
1,3-Butadiene	1.7604 1.0738	1.3818 1.0656	1.3449 0.9927	1.0906	1.0751	Ave		1.2231				21.1		30.0			
Bromomethane	+++++ 1.6134	1.8698 1.5443	1.8354 1.5565	1.5659	1.5660	Ave		1.6502				8.5		30.0			
Chloroethane	+++++ 0.8613	+++++ 0.8232	0.9801 0.8401	0.8322	0.8363	Ave		0.8622				6.9		30.0			
Isopentane	+++++ 1.7358	2.0121 1.6544	2.0060 1.6773	1.6696	1.6863	Ave		1.7773				9.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.6302	1.8529 1.5717	1.8744 1.5673	1.5879	1.5838	Ave		1.6669				8.2		30.0			
Trichlorofluoromethane	+++++ 4.4702	5.1298 4.3342	5.2433 4.2205	4.4181	4.3705	Ave		4.5981				8.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	+++++ 2.6962	+++++ 2.5955	3.1443 2.5720	2.6561	2.6308	Ave		2.7158				7.9		30.0			
Ethanol	+++++ 0.6159	+++++ 0.5885	0.6272 0.6048	0.5893	0.5889	Ave		0.6024				2.7		30.0			
Ethyl ether	+++++ 1.1857	1.2696 1.1421	1.2978 1.1336	1.1412	1.1497	Ave		1.1885				5.7		30.0			
Acrolein	+++++ 0.7363	+++++ 0.7148	+++++ 0.7057	0.7073	0.7139	Ave		0.7156				1.7		30.0			
1,1-Dichloroethene	2.0609 1.7457	2.0759 1.6895	2.0227 1.6406	1.7030	1.7099	Ave		1.8310				10.2		30.0			
Freon TF	+++++ 3.7237	4.4501 3.5950	4.4048 3.4445	3.6768	3.6718	Ave		3.8524				10.5		30.0			
Acetone	+++++ 2.3838	+++++ 2.3472	+++++ 2.2612	2.4163	2.3534	Ave		2.3524				2.5		30.0			
Isopropyl alcohol	+++++ 2.7657	+++++ 2.7714	+++++ 2.5299	2.7321	2.7266	Ave		2.7051				3.7		30.0			
Carbon disulfide	+++++ 4.9904	+++++ 4.8356	5.8371 4.5890	4.9712	4.9235	Ave		5.0245				8.4		30.0			
Acetonitrile	+++++ 1.2138	+++++ 1.1762	+++++ 1.1520	1.1965	1.1905	Ave		1.1858				2.0		30.0			
3-Chloropropene	+++++ 2.0679	2.4870 2.0196	2.5010 1.9404	2.0793	2.0505	Ave		2.1637				10.6		30.0			
Methylene Chloride	+++++ 1.8781	+++++ 1.8272	2.2927 1.7524	1.9020	1.8685	Ave		1.9201				9.9		30.0			
tert-Butyl alcohol	+++++ 3.2037	+++++ 3.0496	+++++ 2.9753	3.1490	3.1141	Ave		3.0983				2.9		30.0			
Acrylonitrile	+++++ 1.2160	+++++ 1.1883	1.3926 1.1522	1.2204	1.2021	Ave		1.2286				6.8		30.0			
trans-1,2-Dichloroethene	2.9683 2.4441	2.8994 2.3689	2.8964 2.2228	2.4937	2.4373	Ave		2.5914				11.0		30.0			
Methyl tert-butyl ether	+++++ 4.7584	5.1010 4.6100	5.1999 4.3656	4.7293	4.6938	Ave		4.7797				6.0		30.0			
n-Hexane	+++++ 2.6021	3.1412 2.5326	3.0839 2.4086	2.6381	2.5859	Ave		2.7132				10.4		30.0			
1,1-Dichloroethane	3.8302 3.0854	3.7463 2.9861	3.6994 2.7999	3.1518	3.0792	Ave		3.2973				12.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Vinyl acetate	+++++ 4.0787	+++++ 4.0147	+++++ 3.8416	3.8550	3.9720	Ave		3.9524				2.6		30.0			
Methyl Ethyl Ketone	+++++ 0.8891	+++++ 0.8610	0.9889 0.8325	0.8780	0.8728	Ave		0.8871				6.0		30.0			
cis-1,2-Dichloroethene	2.3249 1.8978	2.2837 1.8340	2.2660 1.7609	1.8897	1.8683	Ave		2.0157				11.6		30.0			
Ethyl acetate	+++++ 0.1589	+++++ 0.1535	+++++ 0.1500	0.1557	0.1553	Ave		0.1547				2.1		30.0			
Tetrahydrofuran	+++++ 0.3797	+++++ 0.3697	+++++ 0.3550	0.3829	0.3780	Ave		0.3731				3.0		30.0			
Chloroform	+++++ 3.7145	4.4778 3.6055	4.3760 3.4521	3.7424	3.6928	Ave		3.8659				10.2		30.0			
1,1,1-Trichloroethane	+++++ 0.7646	0.8856 0.7428	0.9060 0.7173	0.7612	0.7578	Ave		0.7908				9.3		30.0			
Cyclohexane	+++++ 0.4795	0.5359 0.4659	0.5544 0.4535	0.4788	0.4748	Ave		0.4918				7.7		30.0			
Carbon tetrachloride	0.8349 0.7945	0.8989 0.7724	0.8992 0.7490	0.7839	0.7814	Ave		0.8143				7.1		30.0			
Benzene	+++++ 1.1096	1.3244 1.0729	1.3276 1.0220	1.1196	1.1087	Ave		1.1550				10.5		30.0			
1,2-Dichloroethane	+++++ 0.4914	0.5783 0.4771	0.5861 0.4608	0.4935	0.4896	Ave		0.5110				9.8		30.0			
2,2,4-Trimethylpentane	+++++ 1.7294	2.0477 1.6666	2.0628 1.5639	1.7591	1.7294	Ave		1.7941				10.6		30.0			
n-Heptane	+++++ 0.6243	0.7488 0.6037	0.7467 0.5748	0.6338	0.6219	Ave		0.6506				10.6		30.0			
n-Butanol	+++++ 0.2467	+++++ 0.2340	+++++ 0.2274	0.2393	0.2405	Ave		0.2376				3.1		30.0			
Trichloroethene	0.6279 0.5093	0.5944 0.4939	0.5985 0.4743	0.5096	0.5036	Ave		0.5390				10.8		30.0			
1,2-Dichloropropane	+++++ 0.4196	0.4967 0.4065	0.4932 0.3900	0.4238	0.4176	Ave		0.4354				9.7		30.0			
Methyl methacrylate	+++++ 0.4089	+++++ 0.3967	0.4163 0.3827	0.4011	0.4051	Ave		0.4018				2.9		30.0			
1,4-Dioxane	+++++ 0.2209	0.2316 0.2060	0.2415 0.1948	0.2258	0.2220	Ave		0.2204				7.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	+++++ 0.4483	0.5436 0.4323	0.5249 0.4160	0.4463	0.4459	Ave		0.4653				10.5		30.0			
Bromodichloromethane	+++++ 0.8342	0.9435 0.8104	0.9610 0.7769	0.8377	0.8295	Ave		0.8562				8.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.7291	0.7743 0.7110	0.7861 0.6898	0.7134	0.7196	Ave		0.7319				4.8		30.0			
methyl isobutyl ketone	+++++ 0.7960	+++++ 0.7791	0.8631 0.7485	0.7898	0.7792	Ave		0.7926				4.8		30.0			
Toluene	+++++ 0.8830	1.0199 0.8368	1.0341 0.7936	0.8851	0.8750	Ave		0.9039				10.0		30.0			
n-Octane	+++++ 0.8605	1.0089 0.8302	1.0313 0.7760	0.8882	0.8645	Ave		0.8942				10.4		30.0			
trans-1,3-Dichloropropene	+++++ 0.5821	0.5970 0.5685	0.6184 0.5567	0.5660	0.5733	Ave		0.5803				3.6		30.0			
1,1,2-Trichloroethane	+++++ 0.4554	0.5158 0.4343	0.5207 0.4167	0.4550	0.4477	Ave		0.4637				8.6		30.0			
Tetrachloroethene	0.8789 0.7145	0.8483 0.6759	0.8309 0.6476	0.7104	0.7077	Ave		0.7518				11.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.8443	+++++ 0.8099	0.8440 0.7787	0.8221	0.8237	Ave		0.8204				3.0		30.0			
Dibromochloromethane	+++++ 0.9540	0.9826 0.9124	1.0227 0.8692	0.9265	0.9387	Ave		0.9437				5.2		30.0			
1,2-Dibromoethane	+++++ 0.8289	0.9226 0.7918	0.9323 0.7544	0.8230	0.8151	Ave		0.8383				7.9		30.0			
Chlorobenzene	+++++ 1.1809	1.4027 1.1225	1.3880 1.0609	1.1874	1.1730	Ave		1.2165				10.7		30.0			
Ethylbenzene	+++++ 1.9445	2.2651 1.8331	2.2792 1.6807	1.9782	1.9371	Ave		1.9883				11.0		30.0			
m,p-Xylene	+++++ 0.7342	0.8439 0.6936	0.8613 0.6417	0.7485	0.7304	Ave		0.7505				10.4		30.0			
n-Nonane	+++++ 0.9173	1.0512 0.8706	1.1056 0.8092	0.9530	0.9176	Ave		0.9464				10.8		30.0			
Xylene, o-	+++++ 0.7170	0.8029 0.6784	0.8034 0.6404	0.7212	0.7119	Ave		0.7250				8.3		30.0			
Styrene	+++++ 1.1862	1.2308 1.1213	1.2906 1.0496	1.1929	1.1801	Ave		1.1788				6.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bromoform	+++++ 0.9224	0.8387 0.8778	0.9434 0.8241	0.8752	0.9021	Ave		0.8834				4.9		30.0			
Cumene	+++++ 2.1185	2.3732 1.9983	2.4904 1.7939	2.1650	2.1149	Ave		2.1506				10.7		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.1681	1.2434 1.1059	1.3080 1.0263	1.1664	1.1530	Ave		1.1673				7.8		30.0			
1,2,3-Trichloropropane	+++++ 0.9178	+++++ 0.8735	1.0551 0.8226	0.9212	0.9038	Ave		0.9157				8.5		30.0			
n-Propylbenzene	+++++ 2.5684	2.8424 2.3962	2.9692 2.0758	2.6546	2.5861	Ave		2.5847				11.3		30.0			
2-Chlorotoluene	+++++ 1.6753	1.9319 1.5712	1.9815 1.4606	1.7040	1.6683	Ave		1.7132				10.8		30.0			
4-Ethyltoluene	+++++ 2.0844	2.1943 1.9422	2.3571 1.7192	2.1276	2.0774	Ave		2.0717				9.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.7543	1.8656 1.6338	1.9685 1.4315	1.7813	1.7440	Ave		1.7399				9.9		30.0			
n-Decane	+++++ 1.1483	+++++ 1.0806	1.2890 0.9530	1.1696	1.1422	Ave		1.1304				9.8		30.0			
Alpha Methyl Styrene	+++++ 0.9620	0.8296 0.9074	0.9255 0.8404	0.9319	0.9413	Ave		0.9054				5.6		30.0			
tert-Butylbenzene	+++++ 1.6754	1.8046 1.5712	1.8934 1.4115	1.6936	1.6616	Ave		1.6731				9.3		30.0			
1,2,4-Trimethylbenzene	+++++ 1.7727	1.8496 1.6589	1.9743 1.4809	1.7897	1.7618	Ave		1.7554				8.8		30.0			
sec-Butylbenzene	+++++ 2.5356	2.7415 2.3470	2.9063 1.9990	2.6030	2.5344	Ave		2.5238				11.5		30.0			
1,3-Dichlorobenzene	+++++ 1.2162	1.2665 1.1507	1.3485 1.0352	1.2180	1.2049	Ave		1.2057				8.0		30.0			
4-Isopropyltoluene	+++++ 2.1172	2.1868 1.9718	2.3460 1.7031	2.1579	2.1170	Ave		2.0857				9.7		30.0			
1,4-Dichlorobenzene	+++++ 1.2220	1.2568 1.1462	1.3319 1.0491	1.2148	1.2077	Ave		1.2040				7.3		30.0			
Benzyl chloride	+++++ 1.6768	1.2666 1.5783	1.4332 1.4501	1.5977	1.6391	Ave		1.5203				9.5		30.0			
n-Butylbenzene	+++++ 2.0748	2.0901 1.9329	2.2773 1.6734	2.0617	2.0512	Ave		2.0231				9.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.1649	1.1776 1.0942	1.2747 1.0016	1.1526	1.1502	Ave		1.1451				7.3		30.0			
n-Undecane	+++++ 1.2087	+++++ 1.1381	+++++ 1.0210	1.1501	1.1671	Ave		1.1370				6.2		30.0			
n-Dodecane	+++++ 1.1597	+++++ 1.0910	+++++ 0.9222	0.9264	1.1040	Ave		1.0407				10.5		30.0			
1,2,4-Trichlorobenzene	+++++ 1.0163	+++++ 0.9480	0.9383 0.8591	0.8534	0.9477	Ave		0.9271				6.6		30.0			
Hexachlorobutadiene	+++++ 0.8479	0.8738 0.7945	0.9255 0.7315	0.8056	0.8132	Ave		0.8274				7.5		30.0			
Naphthalene	+++++ 1.9394	1.3207 1.8101	1.6966 1.5138	1.4776	1.8199	Ave		1.6540				13.5		30.0			
1,2,3-Trichlorobenzene	+++++ 0.9152	+++++ 0.8506	0.9033 0.7697	0.7671	0.8619	Ave		0.8446				7.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74590-1 | Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 | Calibration End Date: 06/18/2024 22:56 | Calibration ID: 52840

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-205411/4	60827_004.D
Level 2	IC 200-205411/5	60827_005.D
Level 3	IC 200-205411/6	60827_006.D
Level 4	IC 200-205411/7	60827_007.D
Level 5	ICIS 200-205411/8	60827_008.D
Level 6	IC 200-205411/9	60827_009.D
Level 7	IC 200-205411/12	60827_012.D
Level 8	IC 200-205411/13	60827_013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 558097	+++++ 723619	+++++ 1514227	176031	362285	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2343673	+++++ 3108166	85230 6165835	757709	1551126	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1239245	+++++ 1640162	45228 3332283	405293	821547	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2386576	34798 3172461	86375 6329795	772338	1576507	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 677285	+++++ 890571	24857 1833175	219965	444934	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1072737	+++++ 1471308	42617 2739123	373103	732556	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2521 776940	13044 1057815	30638 1983612	269974	528169	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	2167 584121	9828 804486	23239 1495803	199248	398065	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 877664	13299 1165849	31714 2345300	286079	579786	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 468540	+++++ 621451	16936 1265850	152036	309621	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 944207	14311 1248987	34663 2527306	305013	624343	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 886810	13179 1186550	32388 2361483	290097	586404	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2431649	36486 3272103	90602 6359240	807156	1618139	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1466680	+++++ 1959453	54331 3875322	485239	974046	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 447683	+++++ 888759	108507 2278218	215450	327212	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 644980	9030 862210	22426 1708017	208487	425659	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 400548	+++++ 539645	+++++ 1063288	129220	264335	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	2537 949590	14765 1275490	34951 2471989	311128	633073	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2025589	31652 2714041	76113 5189950	671725	1359479	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1296744	+++++ 1772051	+++++ 3406981	441429	871319	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1504487	+++++ 2092259	+++++ 3811929	499131	1009499	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2714655	+++++ 3650653	100862 6914404	908195	1822885	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 660269	+++++ 887968	+++++ 1735714	218584	440794	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 1124876	17689 1524707	43216 2923694	379873	759171	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 1021634	+++++ 1379423	39617 2640417	347471	691784	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1742709	+++++ 2302289	+++++ 4482999	575291	1152971	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 661490	+++++ 897148	24063 1736007	222957	445068	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	3654 1329532	20622 1788400	50049 3349153	455572	902398	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2588464	36281 3480350	89851 6577905	864008	1737839	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1415496	22342 1911972	53289 3629087	481957	957430	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	4715 1678392	26646 2254390	63924 4218726	575800	1140065	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 2218721	+++++ 3030899	+++++ 5788291	704282	1470626	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 483625	+++++ 650052	17088 1254355	160408	323135	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	2862 1032327	16243 1384569	39155 2653261	345240	691711	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 86460	+++++ 115855	+++++ 226062	28453	57493	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	339688	679669	+++++	+++++	+++++	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1009389	1362726	2605295			15.0	20.0	40.0		
Chloroform	BCM	Ave	+++++ 2020603	31849 2722017	75615 5201424	683695	1367229	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 2032522	30748 2738102	76210 5264113	675208	1362378	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 1274672	18606 1717470	46635 3328155	424745	853731	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	5018 2111968	31211 2847299	75644 5496205	695347	1404838	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 2949718	45983 3954919	111680 7499897	993124	1993340	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 1306330	20077 1758621	49301 3381895	437796	880229	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 4597260	71094 6143222	173524 11476768	1560406	3109297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 1659562	25998 2225137	62813 4218468	562248	1118119	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	+++++ 655777	+++++ 862612	+++++ 1668914	212235	432378	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	3774 1353950	20639 1820381	50349 3480974	452060	905417	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 1115547	17244 1498560	41488 2862055	375948	750777	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 1086873	+++++ 1462315	35016 2808266	355760	728299	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 587168	8042 759266	20314 1429437	200314	399108	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	+++++ 1191600	18872 1593519	44153 3052968	395930	801775	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 2217677	32758 2987095	80841 5701006	743069	1491302	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 1938063	26882 2620837	66123 5062015	632861	1293690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 2115903	+++++ 2871898	72600 5492714	700572	1401012	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZd5	Ave	+++++ 2117561	31991 2821216	78387 5353825	710551	1428738	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	+++++ 2287472	35030 3060275	86753 5694380	787879	1554282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++	20726	52022	502060	1030762	+++++	0.200	0.500	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1547417	2095487	4085314			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd5	Ave	+++++	16178	39472	365258	731086	+++++	0.200	0.500	4.99	10.00
			1092198	1464033	2811208			15.0	20.0	40.0		
Tetrachloroethene	CBNZd5	Ave	4739	26609	62984	570283	1155569	0.0351	0.200	0.500	4.99	10.00
			1713468	2278709	4368753			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd5	Ave	+++++	+++++	63982	659954	1344921	+++++	+++++	0.500	4.99	10.00
			2024634	2730402	5253365			15.0	20.0	40.0		
Dibromochloromethane	CBNZd5	Ave	+++++	30821	77527	743810	1532790	+++++	0.200	0.500	4.99	10.00
			2287896	3076167	5863638			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd5	Ave	+++++	28937	70675	660715	1331018	+++++	0.200	0.500	4.99	10.00
			1987815	2669356	5089219			15.0	20.0	40.0		
Chlorobenzene	CBNZd5	Ave	+++++	43997	105220	953189	1915280	+++++	0.200	0.500	4.99	10.00
			2831884	3784397	7156986			15.0	20.0	40.0		
Ethylbenzene	CBNZd5	Ave	+++++	71047	172772	1588024	3163034	+++++	0.200	0.500	4.99	10.00
			4663246	6179964	11338689			15.0	20.0	40.0		
m,p-Xylene	CBNZd5	Ave	+++++	52937	130576	1201830	2385320	+++++	0.401	1.00	9.99	20.0
			3521465	4676768	8658654			30.0	40.0	80.0		
n-Nonane	CBNZd5	Ave	+++++	32973	83813	765063	1498226	+++++	0.200	0.500	4.99	10.00
			2199815	2935215	5459403			15.0	20.0	40.0		
Xylene, o-	CBNZd5	Ave	+++++	25185	60904	578962	1162472	+++++	0.200	0.500	4.99	10.00
			1719348	2287197	4320565			15.0	20.0	40.0		
Styrene	CBNZd5	Ave	+++++	38605	97832	957594	1926940	+++++	0.200	0.500	4.99	10.00
			2844568	3780323	7081251			15.0	20.0	40.0		
Bromoform	CBNZd5	Ave	+++++	26305	71512	702596	1473013	+++++	0.200	0.500	4.99	10.00
			2212114	2959482	5560002			15.0	20.0	40.0		
Cumene	CBNZd5	Ave	+++++	74439	188787	1738013	3453308	+++++	0.200	0.500	4.99	10.00
			5080481	6736831	12102329			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd5	Ave	+++++	38999	99150	936357	1882713	+++++	0.200	0.500	4.99	10.00
			2801216	3728371	6923918			15.0	20.0	40.0		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichloropropane	CBNZd5	Ave	+++++	+++++	79985	739554	1475795	+++++	+++++	0.500	4.99	10.00
			2201031	2944968	5549678			15.0	20.0	40.0		
n-Propylbenzene	CBNZd5	Ave	+++++	89155	225079	2131026	4222651	+++++	0.200	0.500	4.99	10.00
			6159327	8078356	14004175			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd5	Ave	+++++	60595	150208	1367894	2724048	+++++	0.200	0.500	4.99	10.00
			4017590	5297067	9853755			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd5	Ave	+++++	68827	178682	1707963	3392172	+++++	0.200	0.500	4.99	10.00
			4998650	6547713	11598408			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd5	Ave	+++++	58517	149224	1429968	2847629	+++++	0.200	0.500	4.99	10.00
			4206995	5508171	9657270			15.0	20.0	40.0		
n-Decane	CBNZd5	Ave	+++++	+++++	97710	938925	1865088	+++++	+++++	0.500	4.99	10.00
			2753656	3642994	6429522			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd5	Ave	+++++	26021	70156	748090	1537004	+++++	0.200	0.500	4.99	10.00
			2307003	3059149	5669677			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd5	Ave	+++++	56604	143530	1359601	2713149	+++++	0.200	0.500	4.99	10.00
			4017792	5297179	9522756			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd5	Ave	+++++	58013	149661	1436763	2876766	+++++	0.200	0.500	4.99	10.00
			4251046	5592770	9990777			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd5	Ave	+++++	85988	220309	2089618	4138279	+++++	0.200	0.500	4.99	10.00
			6080749	7912602	13485847			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd5	Ave	+++++	39726	102224	977772	1967363	+++++	0.200	0.500	4.99	10.00
			2916607	3879262	6983869			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd5	Ave	+++++	68591	177836	1732296	3456775	+++++	0.200	0.500	4.99	10.00
			5077205	6647693	11489820			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd5	Ave	+++++	39420	100961	975187	1971944	+++++	0.200	0.500	4.99	10.00
			2930522	3864220	7077326			15.0	20.0	40.0		
Benzyl chloride	CBNZd5	Ave	+++++	39728	108641	1282625	2676451	+++++	0.200	0.500	4.99	10.00
			4021142	5321080	9782948			15.0	20.0	40.0		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74590-1 Analy Batch No.: 205411

SDG No.:

Instrument ID: CHAM.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/18/2024 15:07 Calibration End Date: 06/18/2024 22:56 Calibration ID: 52840

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Butylbenzene	CBNZd5	Ave	+++++ 4975718	65557 6516638	172628 11289163	1655103	3349368	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZd5	Ave	+++++ 2793641	36938 3688832	96629 6757080	925254	1878164	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZd5	Ave	+++++ 2898576	+++++ 3836923	+++++ 6888040	923296	1905712	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Dodecane	CBNZd5	Ave	+++++ 2781203	+++++ 3677997	+++++ 6221621	743678	1802616	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZd5	Ave	+++++ 2437199	+++++ 3195938	71125 5795645	685079	1547413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZd5	Ave	+++++ 2033416	27406 2678622	70154 4934785	646731	1327846	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZd5	Ave	+++++ 5529899	49254 7255764	152922 12142595	1410375	3533347	+++++ 17.8	0.238 23.8	0.595 47.6	5.94	11.9
1,2,3-Trichlorobenzene	CBNZd5	Ave	+++++ 2194753	+++++ 2867510	68472 5192806	615822	1407416	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207028/4	61427-04.D
Level 2	IC 200-207028/21	61427-21.D
Level 3	IC 200-207028/22	61427-22.D
Level 4	IC 200-207028/7	61427-07.D
Level 5	ICIS 200-207028/8	61427-08.D
Level 6	IC 200-207028/9	61427-09.D
Level 7	IC 200-207028/12	61427-12.D
Level 8	IC 200-207028/13	61427-13.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 1.8078	+++++ 1.4073	+++++ 1.2851	1.6697	1.9743	Ave		1.6288				17.4		30.0			
Dichlorodifluoromethane	+++++ 4.3893	+++++ 3.8798	5.6546 4.2785	4.8292	4.7348	Ave		4.6277				13.1		30.0			
Freon 22	+++++ 3.2313	+++++ 2.8505	4.1013 2.7393	3.3806	3.5088	Ave		3.3020				14.9		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 4.9888	6.6741 4.4649	5.7993 4.5520	5.2325	5.2733	Ave		5.2836				14.4		30.0			
Chloromethane	+++++ 2.0507	+++++ 1.8346	2.3245 1.7003	2.3318	2.2121	Ave		2.0757				12.7		30.0			
Vinyl chloride	2.5557 2.4132	3.1300 2.0129	2.6632 2.2709	2.5516	2.4206	Ave		2.5023				12.9		30.0			
n-Butane	+++++ 4.0244	+++++ 3.4029	6.5078 3.8307	4.6150	4.2334	Ave		4.4357				24.6		30.0			
1,3-Butadiene	2.4253 1.9516	2.4947 1.6252	2.1383 1.8606	2.0885	1.9451	Ave		2.0661				14.0		30.0			
Bromomethane	+++++ 2.0936	2.8290 1.8480	2.5441 1.9673	2.5174	2.1232	Ave		2.2746				15.8		30.0			
Chloroethane	+++++ 1.1599	+++++ 1.0830	1.3267 1.1976	1.3065	1.2569	Ave		1.2218				7.6		30.0			
Isopentane	+++++ 2.6109	3.8235 2.6071	3.2929 2.8710	2.8920	2.9376	Ave		3.0050				14.3		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4669	1.8244 1.4734	1.6145 1.6609	1.6485	1.6224	Ave		1.6159				7.5		30.0			
Trichlorofluoromethane	+++++ 3.7708	5.2097 3.8531	4.4585 4.0670	4.3308	4.2486	Ave		4.2769				11.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	+++++ 4.0403	+++++ 4.0189	5.3418 4.0006	4.5134	4.2168	Ave		4.3553				12.0		30.0			
Ethanol	+++++ 0.8272	+++++ 0.8686	1.0548 0.8809	0.9943	0.8687	Ave		0.9157				9.6		30.0			
Ethyl ether	+++++ 1.3595	1.6398 1.3738	1.4996 1.3959	1.5379	1.3755	Ave		1.4546				7.3		30.0			
Acrolein	+++++ 0.7761	+++++ 0.7888	+++++ 0.7886	0.8767	0.7928	Ave		0.8046				5.1		30.0			
1,1-Dichloroethene	1.6549 1.6412	2.0664 1.6740	1.8191 1.6797	1.8218	1.6295	Ave		1.7483				8.5		30.0			
Freon TF	+++++ 3.4161	4.4987 3.4694	3.9766 3.4253	3.8248	3.4364	Ave		3.7210				11.0		30.0			
Acetone	+++++ 3.2140	+++++ 3.1657	+++++ 3.2018	3.8061	3.4778	Ave		3.3731				8.1		30.0			
Carbon disulfide	+++++ 5.3753	+++++ 5.4777	8.0231 5.3688	6.2569	5.4716	Ave		5.9955				17.5		30.0			
Isopropyl alcohol	+++++ 3.5799	+++++ 3.4808	+++++ 3.4742	3.9982	4.6041	Ave		3.8275				12.7		30.0			
Acetonitrile	+++++ 1.8957	+++++ 1.8799	+++++ 1.9119	2.2848	2.0242	Ave		1.9993				8.5		30.0			
3-Chloropropene	+++++ 3.0862	3.8767 3.0518	3.3321 3.1036	3.4355	3.0785	Ave		3.2806				9.2		30.0			
Methylene Chloride	+++++ 2.6912	+++++ 2.6528	3.2603 2.6713	3.1113	2.7246	Ave		2.8519				9.3		30.0			
tert-Butyl alcohol	+++++ 4.0886	+++++ 4.0246	+++++ 4.0126	4.3160	3.9437	Ave		4.0771				3.5		30.0			
Acrylonitrile	+++++ 1.6335	+++++ 1.6296	1.7976 1.6618	1.8782	1.6498	Ave		1.7084				6.1		30.0			
trans-1,2-Dichloroethene	3.3831 2.9741	3.6605 2.9940	3.1796 3.1186	3.2859	2.9279	Ave		3.1905				7.7		30.0			
Methyl tert-butyl ether	+++++ 4.9342	5.7868 5.1661	4.8364 5.4081	5.5249	5.1199	Ave		5.2538				6.4		30.0			
n-Hexane	+++++ 3.3778	3.9100 3.3895	3.6689 3.4852	3.6547	3.3459	Ave		3.5474				5.8		30.0			
1,1-Dichloroethane	4.7323 3.8223	4.9270 3.8214	4.2946 3.9224	4.2971	3.8031	Ave		4.2025				10.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Vinyl acetate	+++++ 5.9112	+++++ 5.7228	+++++ 6.1491	6.4162	5.9438	Ave		6.0286				4.4		30.0			
Methyl Ethyl Ketone	+++++ 0.9443	+++++ 1.0030	1.0158 1.0454	1.0705	0.9848	Ave		1.0106				4.4		30.0			
cis-1,2-Dichloroethene	2.3560 1.8659	2.2818 1.8873	1.9771 1.9431	2.0646	1.8503	Ave		2.0283				9.5		30.0			
Ethyl acetate	+++++ 0.1471	+++++ 0.1515	+++++ 0.1583	0.1604	0.1571	Ave		0.1549				3.5		30.0			
Tetrahydrofuran	+++++ 0.5629	+++++ 0.5978	+++++ 0.5834	0.6479	0.5792	Ave		0.5942				5.5		30.0			
Chloroform	+++++ 3.7572	5.0376 3.8125	4.3209 3.8065	4.2536	3.7802	Ave		4.1098				11.5		30.0			
1,1,1-Trichloroethane	+++++ 0.6974	0.8902 0.7429	0.7799 0.7099	0.7692	0.6854	Ave		0.7535				9.3		30.0			
Cyclohexane	+++++ 0.4847	0.5521 0.5000	0.4751 0.4970	0.5166	0.4668	Ave		0.4989				5.7		30.0			
Carbon tetrachloride	0.7794 0.7011	0.8489 0.7262	0.7363 0.7179	0.7739	0.6885	Ave		0.7465				7.0		30.0			
Benzene	+++++ 1.1804	1.5575 1.1849	1.2742 1.2197	1.2943	1.1475	Ave		1.2655				11.0		30.0			
1,2-Dichloroethane	+++++ 0.5274	0.6864 0.5280	0.5728 0.5341	0.5888	0.5182	Ave		0.5651				10.5		30.0			
2,2,4-Trimethylpentane	+++++ 2.2173	2.3526 2.2455	2.0536 2.2693	2.3783	2.1655	Ave		2.2403				4.9		30.0			
n-Heptane	+++++ 0.9286	0.9322 0.9332	0.9403 0.9461	1.0013	0.9106	Ave		0.9418				3.0		30.0			
n-Butanol	+++++ 0.3247	+++++ 0.3218	+++++ 0.3290	0.3330	0.3064	Ave		0.3230				3.1		30.0			
Trichloroethene	0.5724 0.4918	0.6152 0.4788	0.4962 0.4933	0.5199	0.4635	Ave		0.5164				10.0		30.0			
1,2-Dichloropropane	+++++ 0.5395	0.6160 0.5312	0.5455 0.5473	0.5740	0.5151	Ave		0.5526				6.0		30.0			
Methyl methacrylate	+++++ 0.4576	+++++ 0.4705	0.3657 0.4983	0.4760	0.4440	Ave		0.4520				10.2		30.0			
Dibromomethane	+++++ 0.4149	0.4997 0.4107	0.4165 0.4248	0.4394	0.3973	Ave		0.4290				7.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.2470	0.2480 0.2383	0.1941 0.2414	0.2569	0.2281	Ave		0.2363				8.7		30.0			
Bromodichloromethane	+++++ 0.8635	1.0095 0.8953	0.8812 0.9061	0.9172	0.8242	Ave		0.8996				6.4		30.0			
cis-1,3-Dichloropropene	+++++ 0.7791	0.8121 0.8396	0.6967 0.8855	0.8026	0.7538	Ave		0.7956				7.6		30.0			
methyl isobutyl ketone	+++++ 1.2470	+++++ 1.2547	1.0450 1.2472	1.3271	1.1832	Ave		1.2174				7.9		30.0			
Toluene	+++++ 0.7716	0.9773 0.8306	0.8394 0.9082	0.9206	0.8371	Ave		0.8693				8.0		30.0			
n-Octane	+++++ 1.3349	1.1443 1.3906	1.2371 1.4030	1.4422	1.3257	Ave		1.3254				7.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.6219	0.6236 0.6796	0.5487 0.7108	0.6586	0.6106	Ave		0.6362				8.3		30.0			
1,1,2-Trichloroethane	+++++ 0.4129	0.5617 0.4623	0.5117 0.5081	0.5150	0.4512	Ave		0.4890				10.1		30.0			
Tetrachloroethene	0.6643 0.5507	0.7603 0.6225	0.6537 0.6756	0.6805	0.6048	Ave		0.6515				9.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 1.1637	+++++ 1.2151	0.9337 1.2530	1.3134	1.1941	Ave		1.1788				11.1		30.0			
Dibromochloromethane	+++++ 0.7986	0.9115 0.8519	0.8243 0.8900	0.9155	0.8230	Ave		0.8593				5.4		30.0			
1,2-Dibromoethane	+++++ 0.7475	0.8756 0.7803	0.7720 0.7913	0.8419	0.7614	Ave		0.7957				5.8		30.0			
Chlorobenzene	+++++ 1.0623	1.3673 1.1279	1.1919 1.1444	1.2411	1.1042	Ave		1.1770				8.7		30.0			
Ethylbenzene	+++++ 1.8867	1.9627 1.9684	1.7705 2.0386	2.1277	1.9340	Ave		1.9555				5.8		30.0			
m,p-Xylene	+++++ 0.6845	0.4927 0.7373	0.6371 0.7854	0.7970	0.7332	Ave		0.6953				15.1		30.0			
n-Nonane	+++++ 1.1390	1.0319 1.2190	1.1343 1.2898	1.3410	1.2316	Ave		1.1981				8.7		30.0			
Xylene, o-	+++++ 0.6370	0.5914 0.6876	0.5888 0.7546	0.7393	0.6905	Ave		0.6699				9.9		30.0			
Styrene	+++++ 1.0980	0.9370 1.1801	0.8612 1.2905	1.2436	1.1902	Ave		1.1144				14.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bromoform	+++++ 0.7428	0.7918 0.7809	0.7093 0.9027	0.9136	0.8664	Ave		0.8154				9.8		30.0			
Cumene	+++++ 1.9506	1.8443 2.0174	1.7403 2.3273	2.4025	2.2262	Ave		2.0727				12.1		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.1670	1.4814 1.2079	1.2901 1.3827	1.5207	1.3788	Ave		1.3469				9.8		30.0			
1,2,3-Trichloropropane	+++++ 0.8977	+++++ 0.9402	0.9915 1.0756	1.2165	1.0559	Ave		1.0296				11.0		30.0			
n-Propylbenzene	+++++ 2.4919	2.4459 2.5924	2.2810 2.9612	3.1577	2.8648	Ave		2.6850				11.8		30.0			
2-Chlorotoluene	+++++ 1.5379	1.7095 1.5899	1.5434 1.8110	1.9478	1.7526	Ave		1.6989				9.0		30.0			
4-Ethyltoluene	+++++ 1.9473	1.7838 2.0421	1.6958 2.3218	2.4627	2.2002	Ave		2.0648				13.6		30.0			
1,3,5-Trimethylbenzene	+++++ 1.6691	1.6966 1.7489	1.5251 2.0029	2.0932	1.8553	Ave		1.7987				11.0		30.0			
n-Decane	+++++ 1.5472	+++++ 1.6098	1.4108 1.7727	1.9328	1.7011	Ave		1.6624				11.0		30.0			
Alpha Methyl Styrene	+++++ 0.8570	0.6318 0.9190	0.6218 1.0521	1.0080	0.9340	Ave		0.8605				19.9		30.0			
tert-Butylbenzene	+++++ 1.6287	1.5408 1.6875	1.4589 1.8882	2.1100	1.7760	Ave		1.7272				12.8		30.0			
1,2,4-Trimethylbenzene	+++++ 1.7892	1.5177 1.8417	1.4198 2.0644	2.2537	1.9332	Ave		1.8314				16.0		30.0			
sec-Butylbenzene	+++++ 2.7027	2.3716 2.7625	2.2249 3.0326	3.3907	2.8937	Ave		2.7684				14.2		30.0			
1,3-Dichlorobenzene	+++++ 1.1026	1.1154 1.1332	0.9525 1.2888	1.3867	1.1792	Ave		1.1655				12.0		30.0			
4-Isopropyltoluene	+++++ 2.2400	1.7733 2.2556	1.6915 2.5338	2.7902	2.3946	Ave		2.2399				17.6		30.0			
1,4-Dichlorobenzene	+++++ 1.0977	1.0430 1.1196	0.8650 1.2706	1.3411	1.1589	Ave		1.1280				13.7		30.0			
Benzyl chloride	+++++ 1.6632	1.1057 1.6953	0.9143 1.9379	1.9328	1.7690	Ave		1.5740				25.6		30.0			
n-Butylbenzene	+++++ 2.3858	1.6211 2.4511	1.4726 2.6574	2.6844	2.5179	Ave		2.2558				22.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.1311	1.1050 1.1643	0.9126 1.2745	1.3551	1.2176	Ave		1.1657				12.1		30.0			
n-Undecane	+++++ 1.8369	+++++ 1.9114	+++++ 1.9822	2.1081	1.9139	Ave		1.9505				5.2		30.0			
n-Dodecane	+++++ 1.7231	+++++ 1.8722	+++++ 1.9570	1.8038	1.7450	Ave		1.8202				5.3		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6419	+++++ 0.7288	0.2759 0.8484	0.5881	0.6829	Ave		0.6277				30.9	*	30.0			
Hexachlorobutadiene	+++++ 0.7570	1.0142 0.8269	0.7175 0.9217	0.8798	0.8512	Ave		0.8526				11.7		30.0			
Naphthalene	+++++ 1.6744	1.3075 1.8112	0.6979 2.0807	1.6237	1.8154	Ave		1.5730				28.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6995	+++++ 0.7368	0.4574 0.8751	0.6949	0.7981	Ave		0.7103				19.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74672-1 | Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 | Calibration End Date: 08/01/2024 11:24 | Calibration ID: 53167

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207028/4	61427-04.D
Level 2	IC 200-207028/21	61427-21.D
Level 3	IC 200-207028/22	61427-22.D
Level 4	IC 200-207028/7	61427-07.D
Level 5	ICIS 200-207028/8	61427-08.D
Level 6	IC 200-207028/9	61427-09.D
Level 7	IC 200-207028/12	61427-12.D
Level 8	IC 200-207028/13	61427-13.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 183764	+++++ 202460	+++++ 403238	39940	121632	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 446170	+++++ 558159	14423 1342456	115517	291707	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Freon 22	BCM	Ave	+++++ 328454	+++++ 410082	10461 859504	80866	216173	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 507104	8026 642330	14792 1428278	125166	324886	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloromethane	BCM	Ave	+++++ 208451	+++++ 263931	5929 533494	55779	136283	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	627 245300	3764 289587	6793 712553	61037	149133	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butane	BCM	Ave	+++++ 409076	+++++ 489548	16599 1201960	110395	260815	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	595 198374	3000 233800	5454 583800	49959	119835	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromomethane	BCM	Ave	+++++ 212814	3402 265860	6489 617283	60217	130807	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloroethane	BCM	Ave	+++++ 117901	+++++ 155796	3384 375776	31253	77437	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Isopentane	BCM	Ave	+++++ 265394	4598 375060	8399 900844	69178	180985	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 149114	2194 211970	4118 521139	39433	99954	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 383297	6265 554313	11372 1276102	103597	261750	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Pentane	BCM	Ave	+++++ 410691	+++++ 578170	13625 1255260	107964	259790	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Ethanol	BCM	Ave	+++++ 112356	+++++ 249965	26936 690965	47600	80313	+++++ 20.0	+++++ 40.0	4.26 100.0	8.49	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 138189	1972 197639	3825 438003	36787	84741	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acrolein	BCM	Ave	+++++ 92382	+++++ 132883	+++++ 289737	24557	57198	+++++ 17.6	+++++ 23.4	+++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	406 166822	2485 240824	4640 527039	43580	100394	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Freon TF	BCM	Ave	+++++ 347244	5410 499114	10143 1074764	91492	211712	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acetone	BCM	Ave	+++++ 326701	+++++ 455427	+++++ 1004641	91044	214265	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Carbon disulfide	BCM	Ave	+++++ 546393	+++++ 788031	20464 1684573	149669	337098	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	+++++ 421756	+++++ 580377	+++++ 1263438	110847	328757	+++++ 17.4	+++++ 23.2	+++++ 46.4	4.92	11.6
Acetonitrile	BCM	Ave	+++++ 192692	+++++ 270440	+++++ 599907	54654	124711	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	+++++ 313708	4662 439038	8499 973815	82180	189661	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	+++++ 273553	+++++ 381632	8316 838183	74425	167857	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 415603	+++++ 578991	+++++ 1259043	103242	242969	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	+++++ 166040	+++++ 234439	4585 521435	44929	101640	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	830 302312	4402 430724	8110 978521	78602	180383	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 501554	6959 743209	12336 1696895	132159	315435	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Hexane	BCM	Ave	+++++ 343351	4702 487619	9358 1093564	87423	206137	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	1161 388538	5925 549750	10954 1230745	102791	234307	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	+++++ 684393	+++++ 937733	+++++ 2197611	174814	417093	+++++ 17.1	+++++ 22.8	+++++ 45.6	4.83	11.4
Methyl Ethyl Ketone	BCM	Ave	+++++ 95989	+++++ 144300	2591 328017	25606	60673	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	578 189672	2744 271514	5043 609702	49387	113995	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	+++++ 14953	+++++ 21790	+++++ 49684	3836	9676	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	79025	183394	+++++	+++++	+++++	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			287864	407797	926904			15.0	20.0	40.0		
Chloroform	BCM	Ave	+++++ 381919	6058 548471	11021 1194371	101749	232897	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 356661	5402 506825	10086 1127798	93823	216996	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	+++++ 247895	3350 341092	6145 789605	63006	147804	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	960 358575	5151 495384	9522 1140467	94393	217986	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzene	DFBZ	Ave	+++++ 603719	9451 808350	16479 1937763	157875	363314	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 269717	4165 360229	7408 848536	71819	164065	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 1134016	14276 1531881	26560 3605151	290085	685636	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	+++++ 474916	5657 636608	12161 1503087	122137	288320	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	+++++ 166073	+++++ 219531	+++++ 522619	40614	97024	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	705 251528	3733 326616	6418 783713	63408	146751	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 275906	3738 362368	7055 869498	70010	163095	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 234049	+++++ 320970	4729 791621	58064	140572	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	+++++ 212181	3032 280184	5387 674893	53591	125789	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 126343	1505 162597	2510 383554	31336	72221	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 441624	6126 610783	11397 1439444	111872	260967	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 398458	4928 572790	9010 1406723	97890	238673	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 637759	+++++ 855948	13515 1981444	161867	374625	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Toluene	CBNZd5	Ave	+++++ 404064	5364 566128	9692 1369197	101725	245337	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Octane	DFBZ	Ave	+++++ 682723	6944 948646	16000 2228909	175911	419726	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++	3784	7096	80326	193320	+++++	0.170	0.425	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74672-1 | Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 | Calibration End Date: 08/01/2024 11:24 | Calibration ID: 53167

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			318082	463609	1129231			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 216227	3083 315107	5908 765953	56907	132244	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Tetrachloroethene	CBNZd5	Ave	714 288371	4173 424273	7547 1018487	75195	177263	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd5	Ave	+++++ 609352	+++++ 828171	10780 1888985	145137	349963	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Dibromochloromethane	CBNZd5	Ave	+++++ 418206	5003 580617	9517 1341744	101167	241210	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dibromoethane	CBNZd5	Ave	+++++ 391422	4806 531870	8914 1192965	93037	223148	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chlorobenzene	CBNZd5	Ave	+++++ 556251	7505 768737	13762 1725188	137147	323607	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethylbenzene	CBNZd5	Ave	+++++ 987972	10773 1341670	20442 3073215	235115	566813	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
m,p-Xylene	CBNZd5	Ave	+++++ 716903	5409 1005116	14712 2368170	176152	429743	+++++ 30.0	0.341 40.0	0.851 80.0	8.49	20.0
n-Nonane	CBNZd5	Ave	+++++ 596454	5664 830843	13096 1944406	148182	360939	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Xylene, o-	CBNZd5	Ave	+++++ 333585	3246 468686	6798 1137520	81694	202354	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Styrene	CBNZd5	Ave	+++++ 574966	5143 804329	9943 1945493	137424	348804	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoform	CBNZd5	Ave	+++++ 388946	4346 532261	8190 1360872	100953	253930	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cumene	CBNZd5	Ave	+++++ 1021423	10123 1375058	20093 3508489	265480	652454	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2,2-Tetrachloroethane	CBNZd5	Ave	+++++ 611121	8131 823304	14895 2084519	168040	404091	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichloropropane	CBNZd5	Ave	+++++ 470052	+++++ 640835	11448 1621504	134433	309446	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
n-Propylbenzene	CBNZd5	Ave	+++++ 1304860	13425 1766974	26336 4464106	348940	839601	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2-Chlorotoluene	CBNZd5	Ave	+++++ 805316	9383 1083633	17820 2730176	215242	513644	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Ethyltoluene	CBNZd5	Ave	+++++ 1019680	9791 1391904	19580 3500256	272137	644817	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,3,5-Trimethylbenzene	CBNZd5	Ave	+++++ 874039	9312 1192071	17609 3019463	231311	543745	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Decane	CBNZd5	Ave	+++++ 810210	+++++ 1097221	16289 2672334	213582	498544	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Alpha Methyl Styrene	CBNZd5	Ave	+++++ 448778	3468 626363	7179 1586008	111383	273737	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
tert-Butylbenzene	CBNZd5	Ave	+++++ 852839	8457 1150216	16844 2846513	233163	520505	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2,4-Trimethylbenzene	CBNZd5	Ave	+++++ 936909	8330 1255317	16393 3112096	249038	566572	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
sec-Butylbenzene	CBNZd5	Ave	+++++ 1415236	13017 1882906	25689 4571806	374680	848067	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,3-Dichlorobenzene	CBNZd5	Ave	+++++ 577351	6122 772366	10997 1942848	153233	345601	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Isopropyltoluene	CBNZd5	Ave	+++++ 1172992	9733 1537433	19530 3819728	308328	701804	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,4-Dichlorobenzene	CBNZd5	Ave	+++++ 574786	5725 763097	9987 1915524	148201	339641	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzyl chloride	CBNZd5	Ave	+++++ 870907	6069 1155505	10557 2921524	213585	518437	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74672-1 Analy Batch No.: 207028

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2024 16:56 Calibration End Date: 08/01/2024 11:24 Calibration ID: 53167

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Butylbenzene	CBNZd5	Ave	+++++ 1249333	8898 1670643	17002 4006165	296634	737924	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorobenzene	CBNZd5	Ave	+++++ 592295	6065 793546	10537 1921402	149749	356845	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Undecane	CBNZd5	Ave	+++++ 961867	+++++ 1302804	+++++ 2988180	232957	560901	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
n-Dodecane	CBNZd5	Ave	+++++ 902307	+++++ 1276072	+++++ 2950237	199331	511411	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
1,2,4-Trichlorobenzene	CBNZd5	Ave	+++++ 394290	+++++ 582661	3737 1500286	76229	234781	+++++ 17.6	+++++ 23.5	0.499 46.9	4.98	11.7
Hexachlorobutadiene	CBNZd5	Ave	+++++ 445526	6257 633468	9312 1561795	109272	280402	+++++ 16.9	0.192 22.5	0.478 45.0	4.77	11.2
Naphthalene	CBNZd5	Ave	+++++ 1042479	8533 1467811	9581 3729589	213335	632621	+++++ 17.8	0.203 23.8	0.506 47.6	5.05	11.9
1,2,3-Trichlorobenzene	CBNZd5	Ave	+++++ 426753	+++++ 585095	6152 1536966	89464	272486	+++++ 17.5	+++++ 23.3	0.496 46.6	4.94	11.6

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207426/4	61568_004.D
Level 2	IC 200-207426/7	61568_007.D
Level 3	IC 200-207426/6	61568_006.D
Level 4	IC 200-207426/8	61568_008.D
Level 5	ICIS 200-207426/9	61568_009.D
Level 6	IC 200-207426/10	61568_010.D
Level 7	IC 200-207426/13	61568_013.D
Level 8	IC 200-207426/14	61568_014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 1.7848	+++++ 1.8025	+++++ 1.6971	1.8722	1.7807	Ave		1.7875				3.5		30.0			
Dichlorodifluoromethane	+++++ 4.2694	+++++ 4.0828	4.5090 4.0080	4.2582	4.1579	Ave		4.2142				4.2		30.0			
Freon 22	+++++ 3.0845	+++++ 3.0603	3.3832 2.9135	3.1573	3.0552	Ave		3.1090				5.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 4.5884	5.3494 4.3811	4.8019 4.3487	4.5766	4.4715	Ave		4.6454				7.4		30.0			
Chloromethane	+++++ 1.9281	+++++ 1.8787	2.1471 1.8219	1.9575	1.8939	Ave		1.9379				5.8		30.0			
Vinyl chloride	2.2778 1.6745	2.0783 1.6715	1.8977 1.5621	1.7835	1.6847	Ave		1.8288				13.3		30.0			
n-Butane	+++++ 2.6322	+++++ 2.6998	4.0581 2.4393	2.9073	2.6817	Ave		2.9031				20.2		30.0			
1,3-Butadiene	1.8506 1.3000	1.6296 1.3152	1.4872 1.2236	1.3905	1.3007	Ave		1.4372				14.7		30.0			
Bromomethane	+++++ 1.4604	1.6695 1.4044	1.5304 1.4201	1.4363	1.3904	Ave		1.4731				6.7		30.0			
Chloroethane	+++++ 1.0204	+++++ 0.9991	1.0857 0.9869	1.0312	0.9834	Ave		1.0178				3.8		30.0			
Isopentane	+++++ 2.3791	3.1363 2.3673	2.9256 2.2657	2.4719	2.3294	Ave		2.5536				13.2		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.3393	1.4402 1.2831	1.3744 1.2972	1.3009	1.2638	Ave		1.3284				4.6		30.0			
Trichlorofluoromethane	+++++ 3.5022	4.1876 3.3928	3.7244 3.3715	3.5526	3.3785	Ave		3.5871				8.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	+++++ 3.4734	+++++ 3.4713	4.5051 3.2774	3.6410	3.4144	Ave		3.6304				12.2		30.0			
Ethanol	+++++ 0.7309	+++++ 0.7564	0.7683 0.7327	0.7598	0.7369	Ave		0.7475				2.1		30.0			
Ethyl ether	+++++ 1.3012	1.5061 1.2829	1.3621 1.2560	1.3121	1.2623	Ave		1.3261				6.6		30.0			
Acrolein	+++++ 0.6937	+++++ 0.6921	+++++ 0.6735	0.6869	0.6719	Ave		0.6836				1.5		30.0			
1,1-Dichloroethene	2.4342 1.4983	1.8428 1.4591	1.6206 1.4433	1.4878	1.4426	Ave		1.6536				20.8		30.0			
Freon TF	+++++ 3.0469	3.5698 2.9669	3.2480 2.9125	3.0910	2.9434	Ave		3.1112				7.4		30.0			
Acetone	+++++ 2.6158	+++++ 2.6383	+++++ 2.4581	2.8181	2.5863	Ave		2.6233				4.9		30.0			
Isopropyl alcohol	+++++ 2.7138	+++++ 2.6970	+++++ 2.5543	2.8480	2.6867	Ave		2.7000				3.9		30.0			
Carbon disulfide	+++++ 4.7729	+++++ 4.7151	5.1806 4.4892	4.9436	4.6805	Ave		4.7970				5.0		30.0			
Acetonitrile	+++++ 1.4053	+++++ 1.4202	+++++ 1.3422	1.4915	1.3902	Ave		1.4099				3.8		30.0			
3-Chloropropene	+++++ 2.2427	2.8459 2.2835	2.3957 2.1381	2.3529	2.2365	Ave		2.3565				9.8		30.0			
Methylene Chloride	+++++ 1.9965	+++++ 2.0110	2.3845 1.8973	2.1314	1.9839	Ave		2.0674				8.3		30.0			
tert-Butyl alcohol	+++++ 3.3584	+++++ 3.3007	+++++ 3.1863	3.4327	3.2854	Ave		3.3127				2.8		30.0			
Acrylonitrile	+++++ 1.2670	+++++ 1.2702	1.3167 1.2221	1.3091	1.2374	Ave		1.2704				3.0		30.0			
trans-1,2-Dichloroethene	3.1098 2.3662	2.9253 2.3686	2.6203 2.2069	2.5046	2.3469	Ave		2.5561				12.3		30.0			
Methyl tert-butyl ether	+++++ 4.4190	5.4116 4.3609	4.7194 4.1384	4.5333	4.3157	Ave		4.5569				9.2		30.0			
n-Hexane	+++++ 2.6448	3.1518 2.6328	3.1588 2.4915	2.7589	2.6120	Ave		2.7786				9.7		30.0			
1,1-Dichloroethane	3.5723 3.0127	3.7708 2.9960	3.3324 2.7956	3.1689	2.9838	Ave		3.2040				10.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Vinyl acetate	+++++ 3.9630	+++++ 4.0389	+++++ 3.6865	4.0246	3.9372	Ave		3.9300				3.6		30.0			
Methyl Ethyl Ketone	+++++ 0.8378	+++++ 0.8391	0.8492 0.8133	0.8440	0.8135	Ave		0.8328				1.9		30.0			
cis-1,2-Dichloroethene	2.1901 1.6274	2.0085 1.5923	1.7127 1.5441	1.6554	1.5900	Ave		1.7401				13.4		30.0			
Ethyl acetate	+++++ 0.1412	+++++ 0.1383	+++++ 0.1367	0.1395	0.1372	Ave		0.1386				1.3		30.0			
Tetrahydrofuran	+++++ 0.3870	+++++ 0.3916	+++++ 0.3741	0.4082	0.3843	Ave		0.3890				3.2		30.0			
Chloroform	+++++ 3.2524	3.8465 3.2187	3.5715 3.0968	3.3739	3.1858	Ave		3.3637				7.8		30.0			
1,1,1-Trichloroethane	+++++ 0.6027	0.7493 0.5943	0.6620 0.5839	0.6141	0.5816	Ave		0.6268				9.6		30.0			
Cyclohexane	+++++ 0.4089	0.4784 0.4007	0.4364 0.3965	0.4115	0.3922	Ave		0.4178				7.3		30.0			
Carbon tetrachloride	0.6566 0.5797	0.6362 0.5718	0.5918 0.5677	0.5815	0.5568	Ave		0.5928				5.9		30.0			
Benzene	+++++ 0.9771	1.2006 0.9589	1.0713 0.9237	1.0044	0.9514	Ave		1.0125				9.4		30.0			
1,2-Dichloroethane	+++++ 0.4154	0.4901 0.4167	0.4438 0.4015	0.4341	0.4058	Ave		0.4296				7.1		30.0			
2,2,4-Trimethylpentane	+++++ 1.6514	1.9634 1.6340	1.8291 1.5276	1.7386	1.6197	Ave		1.7091				8.6		30.0			
n-Heptane	+++++ 0.6224	0.7813 0.6256	0.7370 0.5842	0.6608	0.6162	Ave		0.6611				10.9		30.0			
n-Butanol	+++++ 0.2454	+++++ 0.2426	+++++ 0.2392	0.2396	0.2340	Ave		0.2401				1.8		30.0			
Trichloroethene	0.4290 0.4084	0.4591 0.4017	0.4235 0.3967	0.4132	0.3907	Ave		0.4153				5.3		30.0			
1,2-Dichloropropane	+++++ 0.3951	0.4703 0.3941	0.4340 0.3715	0.4130	0.3888	Ave		0.4096				8.1		30.0			
Methyl methacrylate	+++++ 0.3696	+++++ 0.3685	0.3373 0.3600	0.3611	0.3571	Ave		0.3589				3.3		30.0			
1,4-Dioxane	+++++ 0.1925	0.2084 0.1832	0.1928 0.1780	0.1971	0.1866	Ave		0.1912				5.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	+++++ 0.2811	0.3351 0.2760	0.2851 0.2758	0.2764	0.2672	Ave		0.2853				7.9		30.0			
Bromodichloromethane	+++++ 0.6936	0.7497 0.6916	0.7080 0.6738	0.7038	0.6746	Ave		0.6993				3.7		30.0			
cis-1,3-Dichloropropene	+++++ 0.6493	0.7011 0.6460	0.6380 0.6289	0.6450	0.6276	Ave		0.6480				3.8		30.0			
methyl isobutyl ketone	+++++ 0.8173	+++++ 0.8194	0.8132 0.7687	0.8419	0.8018	Ave		0.8104				3.0		30.0			
Toluene	+++++ 0.7400	0.8756 0.7234	0.8049 0.6978	0.7538	0.7144	Ave		0.7586				8.2		30.0			
n-Octane	+++++ 0.8627	1.0512 0.8646	0.9886 0.7819	0.9299	0.8585	Ave		0.9053				10.1		30.0			
trans-1,3-Dichloropropene	+++++ 0.5127	0.5542 0.5125	0.5192 0.4962	0.5140	0.4957	Ave		0.5149				3.8		30.0			
1,1,2-Trichloroethane	+++++ 0.3986	0.4759 0.3950	0.4295 0.3858	0.4095	0.3879	Ave		0.4117				7.8		30.0			
Tetrachloroethene	0.5261 0.4628	0.5373 0.4494	0.4939 0.4514	0.4605	0.4432	Ave		0.4781				7.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.8623	+++++ 0.8665	0.7763 0.8183	0.8713	0.8410	Ave		0.8393				4.4		30.0			
Dibromochloromethane	+++++ 0.6866	0.6977 0.6758	0.6563 0.6755	0.6710	0.6576	Ave		0.6744				2.2		30.0			
1,2-Dibromoethane	+++++ 0.6543	0.7064 0.6425	0.6551 0.6316	0.6499	0.6293	Ave		0.6527				4.0		30.0			
Chlorobenzene	+++++ 0.9254	1.1074 0.9059	1.0086 0.8733	0.9477	0.8921	Ave		0.9515				8.6		30.0			
Ethylbenzene	+++++ 1.6414	1.9174 1.6115	1.7574 1.5033	1.7024	1.6079	Ave		1.6773				7.9		30.0			
m,p-Xylene	+++++ 0.5884	0.6614 0.5760	0.6186 0.5411	0.6063	0.5746	Ave		0.5952				6.4		30.0			
n-Nonane	+++++ 0.8753	1.0637 0.8704	1.0350 0.7928	0.9583	0.8777	Ave		0.9247				10.6		30.0			
Xylene, o-	+++++ 0.5776	0.6362 0.5661	0.6024 0.5389	0.5854	0.5589	Ave		0.5808				5.5		30.0			
Styrene	+++++ 0.9583	0.9286 0.9500	0.8752 0.8838	0.9631	0.9283	Ave		0.9267				3.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bromoform	+++++ 0.5862	0.5377 0.5836	0.5072 0.5843	0.5632	0.5601	Ave		0.5603				5.2		30.0			
Cumene	+++++ 1.7216	1.9615 1.6990	1.8398 1.5563	1.8162	1.7028	Ave		1.7568				7.3		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.0624	1.2030 1.0605	1.1204 0.9870	1.1110	1.0485	Ave		1.0847				6.3		30.0			
1,2,3-Trichloropropane	+++++ 0.8228	+++++ 0.8211	0.9035 0.7755	0.8673	0.8097	Ave		0.8333				5.4		30.0			
n-Propylbenzene	+++++ 2.2149	2.5520 2.1684	2.3626 1.8972	2.3672	2.2077	Ave		2.2529				9.1		30.0			
2-Chlorotoluene	+++++ 1.3853	1.6106 1.3701	1.4972 1.2583	1.4350	1.3745	Ave		1.4187				7.9		30.0			
4-Ethyltoluene	+++++ 1.6936	1.8574 1.6643	1.7524 1.4955	1.7852	1.6780	Ave		1.7038				6.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.4173	1.5463 1.3942	1.4453 1.2661	1.4887	1.3999	Ave		1.4226				6.2		30.0			
n-Decane	+++++ 1.1039	+++++ 1.1075	1.1851 0.9608	1.2242	1.1153	Ave		1.1161				8.1		30.0			
Alpha Methyl Styrene	+++++ 0.7357	0.6582 0.7411	0.6282 0.6890	0.7302	0.7213	Ave		0.7005				6.2		30.0			
tert-Butylbenzene	+++++ 1.3147	1.4631 1.2895	1.3648 1.1853	1.3768	1.2966	Ave		1.3273				6.5		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4392	1.5676 1.4204	1.4619 1.2819	1.5187	1.4279	Ave		1.4454				6.2		30.0			
sec-Butylbenzene	+++++ 2.1082	2.3791 2.0567	2.2090 1.7822	2.2780	2.1178	Ave		2.1330				8.9		30.0			
1,3-Dichlorobenzene	+++++ 0.8839	0.9316 0.8756	0.8559 0.8185	0.9079	0.8633	Ave		0.8767				4.2		30.0			
4-Isopropyltoluene	+++++ 1.6930	1.8012 1.6748	1.6595 1.4778	1.7878	1.6849	Ave		1.6827				6.3		30.0			
1,4-Dichlorobenzene	+++++ 0.8753	0.9330 0.8743	0.8583 0.8113	0.9104	0.8592	Ave		0.8746				4.5		30.0			
Benzyl chloride	+++++ 1.4937	1.3893 1.4897	1.3394 1.3442	1.5582	1.4965	Ave		1.4444				5.9		30.0			
n-Butylbenzene	+++++ 1.8364	1.9120 1.8253	1.7694 1.5654	1.9615	1.8533	Ave		1.8176				7.0		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 0.8477	0.9037 0.8419	0.8219 0.7883	0.8805	0.8337	Ave		0.8454				4.5		30.0			
n-Undecane	+++++ 1.1470	+++++ 1.1828	+++++ 1.0178	1.2416	1.1637	Ave		1.1506				7.2		30.0			
n-Dodecane	+++++ 1.0536	+++++ 1.0807	+++++ 0.9377	1.1421	1.0699	Ave		1.0568				7.1		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5299	+++++ 0.5612	0.3504 0.5486	0.5055	0.5195	Ave		0.5025				15.3		30.0			
Hexachlorobutadiene	+++++ 0.4264	0.4382 0.4315	0.3896 0.4359	0.4250	0.4141	Ave		0.4230				4.0		30.0			
Naphthalene	+++++ 1.4267	1.0597 1.5086	0.8168 1.3399	1.4271	1.4422	Ave		1.2887				19.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4982	+++++ 0.5138	0.3477 0.5135	0.4876	0.4881	Ave		0.4748				13.3		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74702-1 | Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 | Calibration End Date: 08/12/2024 23:20 | Calibration ID: 53248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207426/4	61568_004.D
Level 2	IC 200-207426/7	61568_007.D
Level 3	IC 200-207426/6	61568_006.D
Level 4	IC 200-207426/8	61568_008.D
Level 5	ICIS 200-207426/9	61568_009.D
Level 6	IC 200-207426/10	61568_010.D
Level 7	IC 200-207426/13	61568_013.D
Level 8	IC 200-207426/14	61568_014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 872747	+++++ 1146280	+++++ 2306398	233735	566834	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2087693	+++++ 2596414	58594 5446937	531623	1323535	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Freon 22	BCM	Ave	+++++ 1508290	+++++ 1946167	43964 3959452	394178	972524	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2243665	27757 2786117	62401 5909930	571380	1423349	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloromethane	BCM	Ave	+++++ 942836	+++++ 1194723	27901 2475918	244384	602869	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	2650 818818	10784 1062982	24661 2122841	222669	536254	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butane	BCM	Ave	+++++ 1287137	+++++ 1716885	52735 3314982	362968	853617	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	2153 635709	8456 836363	19326 1662857	173599	414019	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromomethane	BCM	Ave	+++++ 714120	8663 893083	19887 1929915	179312	442584	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chloroethane	BCM	Ave	+++++ 498952	+++++ 635387	14109 1341266	128741	313024	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Isopentane	BCM	Ave	+++++ 1163357	16274 1505465	38018 3079147	308616	741483	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 654899	7473 815955	17860 1762914	162415	402288	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1712554	21729 2157606	48398 4581917	443537	1075422	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Pentane	BCM	Ave	+++++ 1698474	+++++ 2207551	58543 4453949	454569	1086860	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Ethanol	BCM	Ave	+++++ 477551	+++++ 962179	99960 2489494	189830	352007	+++++ 20.0	+++++ 40.0	4.26 100.0	8.49	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 636282	7815 815816	17701 1706890	163810	401806	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acrolein	BCM	Ave	+++++ 397193	+++++ 515394	+++++ 1071785	100425	250463	+++++ 17.6	+++++ 23.4	+++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	2832 732660	9562 927865	21059 1961464	185754	459191	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Freon TF	BCM	Ave	+++++ 1489890	18523 1886772	42208 3958075	385907	936917	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acetone	BCM	Ave	+++++ 1279086	+++++ 1677767	+++++ 3340537	351835	823270	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1537990	+++++ 1987848	+++++ 4023285	412095	991198	+++++ 17.4	+++++ 23.2	+++++ 46.4	4.92	11.6
Carbon disulfide	BCM	Ave	+++++ 2333879	+++++ 2998488	67321 6100797	617196	1489886	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Acetonitrile	BCM	Ave	+++++ 687178	+++++ 903135	+++++ 1824112	186207	442532	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	+++++ 1096653	14767 1452162	31132 2905729	293753	711924	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	+++++ 976246	+++++ 1278890	30987 2578433	266101	631495	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1642239	+++++ 2099004	+++++ 4330227	428560	1045786	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	+++++ 619543	+++++ 807745	17110 1660795	163433	393879	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	3618 1157069	15179 1506297	34051 2999123	312690	747052	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2160849	28080 2773224	61329 5624150	565972	1373755	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Hexane	BCM	Ave	+++++ 1293282	16354 1674264	41048 3385903	344440	831433	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	4156 1473160	19566 1905232	43304 3799171	395623	949775	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	+++++ 2207243	+++++ 2925471	+++++ 5706418	572302	1427460	+++++ 17.1	+++++ 22.8	+++++ 45.6	4.83	11.4
Methyl Ethyl Ketone	BCM	Ave	+++++ 409685	+++++ 533639	11035 1105263	105377	258950	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	2548 795758	10422 1012575	22256 2098466	206677	506113	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	+++++ 69030	+++++ 87918	+++++ 185769	17417	43678	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	262075	631134	+++++	+++++	+++++	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			965064	1274621	2566554			15.0	20.0	40.0		
Chloroform	BCM	Ave	+++++ 1590402	19959 2046900	46411 4208543	421223	1014088	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 1503036	19941 1934140	44013 4005650	394296	955129	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	+++++ 1019810	12730 1304069	29013 2720174	264206	644182	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	3880 1445765	16931 1861134	39346 3894606	373305	914463	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzene	DFBZ	Ave	+++++ 2436636	31950 3120903	71224 6336930	644870	1562447	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 1035804	13041 1356266	29502 2754526	278710	666450	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 4118171	52249 5318096	121603 10480546	1116201	2660048	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	+++++ 1552102	20791 2036122	48996 4008028	424263	1011999	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	+++++ 611974	+++++ 789478	+++++ 1641185	153807	384227	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	2535 1018438	12217 1307283	28154 2721864	265314	641738	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 985414	12516 1282751	28853 2549066	265140	638489	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 921682	+++++ 1199255	22425 2469938	231807	586440	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 479949	5546 596207	12815 1221014	126514	306394	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	+++++ 701096	8918 898414	18956 1892101	177451	438790	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 1729708	19951 2250881	47072 4622775	451884	1107918	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 1619314	18658 2102556	42415 4314580	414077	1030717	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 2038271	+++++ 2666881	54065 5273503	540491	1316829	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Toluene	CBNZd5	Ave	+++++ 1655991	20168 2122548	46291 4296580	430270	1050367	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Octane	DFBZ	Ave	+++++ 2151322	27973 2813986	65727 5364201	597029	1409910	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++	14749	34516	329977	814101	+++++	0.170	0.425	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington | Job No.: 200-74702-1 | Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i | GC Column: RTX-624 | ID: 0.32(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 | Calibration End Date: 08/12/2024 23:20 | Calibration ID: 53248

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1278484	1668034	3404505			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 891913	10962 1158979	24699 2375209	233720	570424	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Tetrachloroethene	CBNZd5	Ave	2650 1035630	12375 1318708	28404 2779336	262860	651711	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd5	Ave	+++++ 1929561	+++++ 2542282	44644 5038750	497367	1236607	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Dibromochloromethane	CBNZd5	Ave	+++++ 1536459	16071 1982748	37743 4159031	383025	966953	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dibromoethane	CBNZd5	Ave	+++++ 1464040	16271 1885064	37674 3889057	370942	925242	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chlorobenzene	CBNZd5	Ave	+++++ 2070733	25508 2657850	58002 5376929	540933	1311668	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethylbenzene	CBNZd5	Ave	+++++ 3672851	44164 4728354	101066 9256182	971735	2364233	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
m,p-Xylene	CBNZd5	Ave	+++++ 2633121	30470 3380225	71154 6663323	692134	1689644	+++++ 30.0	0.341 40.0	0.851 80.0	8.49	20.0
n-Nonane	CBNZd5	Ave	+++++ 1958684	24500 2553825	59522 4881399	546992	1290494	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Xylene, o-	CBNZd5	Ave	+++++ 1292525	14655 1661085	34641 3317829	334160	821762	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Styrene	CBNZd5	Ave	+++++ 2144405	21388 2787276	50333 5441968	549726	1364888	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoform	CBNZd5	Ave	+++++ 1311693	12386 1712398	29170 3597692	321491	823612	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cumene	CBNZd5	Ave	+++++ 3852507	45180 4985056	105808 9582602	1036706	2503717	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2,2-Tetrachloroethane	CBNZd5	Ave	+++++ 2377243	27709 3111489	64436 6076922	634190	1541761	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichloropropane	CBNZd5	Ave	+++++	+++++	51960	495039	1190534	+++++	+++++	0.425	4.24	10.00
			1841225	2409183	4774929			15.0	20.0	40.0		
n-Propylbenzene	CBNZd5	Ave	+++++	58781	135874	1351218	3246110	+++++	0.170	0.425	4.24	10.00
			4956246	6362260	11681590			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd5	Ave	+++++	37099	86102	819111	2021035	+++++	0.170	0.425	4.24	10.00
			3099858	4020038	7747396			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd5	Ave	+++++	42783	100779	1019007	2467256	+++++	0.170	0.425	4.24	10.00
			3789848	4883101	9207801			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd5	Ave	+++++	35618	83119	849727	2058422	+++++	0.170	0.425	4.24	10.00
			3171448	4090678	7795881			15.0	20.0	40.0		
n-Decane	CBNZd5	Ave	+++++	+++++	68157	698761	1639977	+++++	+++++	0.425	4.24	10.00
			2470138	3249319	5915679			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd5	Ave	+++++	15160	36130	416807	1060606	+++++	0.170	0.425	4.24	10.00
			1646354	2174551	4242495			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd5	Ave	+++++	33700	78491	785894	1906492	+++++	0.170	0.425	4.24	10.00
			2941992	3783455	7298372			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd5	Ave	+++++	36107	84075	866865	2099601	+++++	0.170	0.425	4.24	10.00
			3220440	4167597	7892916			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd5	Ave	+++++	54799	127038	1300312	3113925	+++++	0.170	0.425	4.24	10.00
			4717534	6034585	10973433			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd5	Ave	+++++	21458	49223	518234	1269345	+++++	0.170	0.425	4.24	10.00
			1977835	2569122	5039465			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd5	Ave	+++++	41488	95437	1020454	2477375	+++++	0.170	0.425	4.24	10.00
			3788456	4913823	9099151			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd5	Ave	+++++	21491	49363	519685	1263283	+++++	0.170	0.425	4.24	10.00
			1958627	2565157	4995565			15.0	20.0	40.0		
Benzyl chloride	CBNZd5	Ave	+++++	32000	77029	889420	2200446	+++++	0.170	0.425	4.24	10.00
			3342321	4370945	8276401			15.0	20.0	40.0		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74702-1 Analy Batch No.: 207426

SDG No.:

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/12/2024 14:43 Calibration End Date: 08/12/2024 23:20 Calibration ID: 53248

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Butylbenzene	CBNZd5	Ave	+++++ 4109390	44041 5355519	101756 9638736	1119655	2725106	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichlorobenzene	CBNZd5	Ave	+++++ 1896816	20815 2470189	47270 4854002	502597	1225869	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Undecane	CBNZd5	Ave	+++++ 2566599	+++++ 3470483	+++++ 6266890	708720	1711095	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
n-Dodecane	CBNZd5	Ave	+++++ 2357542	+++++ 3170840	+++++ 5773747	651928	1573214	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
1,2,4-Trichlorobenzene	CBNZd5	Ave	+++++ 1390842	+++++ 1931383	23639 3961906	338478	896074	+++++ 17.6	+++++ 23.5	0.499 46.9	4.98	11.7
Hexachlorobutadiene	CBNZd5	Ave	+++++ 1072583	11346 1423055	25186 3016924	272699	684461	+++++ 16.9	0.192 22.5	0.478 45.0	4.77	11.2
Naphthalene	CBNZd5	Ave	+++++ 3795990	29023 5262858	55855 9808996	968519	2521431	+++++ 17.8	0.203 23.8	0.506 47.6	5.05	11.9
1,2,3-Trichlorobenzene	CBNZd5	Ave	+++++ 1298845	+++++ 1756357	23294 3683453	324257	836122	+++++ 17.5	+++++ 23.3	0.496 46.6	4.94	11.6

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Lab Sample ID: ICV 200-205411/16 Calibration Date: 06/19/2024 01:33

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 60827_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	4.298	4.478		10.4	10.0	4.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.452	4.537		10.2	10.0	1.9	30.0
Chloromethane	Ave	1.248	1.264		10.1	10.0	1.3	30.0
Vinyl chloride	Ave	1.588	1.493		9.40	10.0	-6.0	30.0
1,3-Butadiene	Ave	1.223	1.118		9.14	10.0	-8.6	30.0
Bromomethane	Ave	1.650	1.666		10.1	10.0	1.0	30.0
Chloroethane	Ave	0.8622	0.8778		10.2	10.0	1.8	30.0
Vinyl bromide	Ave	1.667	1.724		10.3	10.0	3.4	30.0
Trichlorofluoromethane	Ave	4.598	4.693		10.2	10.0	2.1	30.0
Ethanol	Ave	0.6024	0.5297		13.2	15.0	-12.1	30.0
1,1-Dichloroethene	Ave	1.831	1.749		9.55	10.0	-4.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.852	3.732		9.69	10.0	-3.1	30.0
Acetone	Ave	2.352	2.427		10.3	10.0	3.2	30.0
Carbon disulfide	Ave	5.024	4.981		9.91	10.0	-0.9	30.0
Isopropanol	Ave	2.705	2.532		9.36	10.0	-6.4	30.0
Allyl chloride	Ave	2.164	2.178		10.1	10.0	0.7	30.0
Methylene Chloride	Ave	1.920	1.891		9.85	10.0	-1.5	30.0
tert-Butyl alcohol	Ave	3.098	3.124		10.1	10.0	0.8	30.0
1,2-Dichloroethene, trans-	Ave	2.591	2.559		9.87	10.0	-1.3	30.0
Methyl tert-butyl ether	Ave	4.780	4.907		10.3	10.0	2.7	30.0
Hexane	Ave	2.713	2.652		9.77	10.0	-2.3	30.0
1,1-Dichloroethane	Ave	3.297	3.108		9.42	10.0	-5.7	30.0
Methyl ethyl ketone (MEK)	Ave	0.8871	0.8732		9.84	10.0	-1.6	30.0
1,2-Dichloroethene, cis-	Ave	2.016	1.868		9.26	10.0	-7.3	30.0
Tetrahydrofuran	Ave	0.3731	0.3751		10.1	10.0	0.5	30.0
Chloroform	Ave	3.866	3.810		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.7908	0.7971		10.1	10.0	0.8	30.0
Cyclohexane	Ave	0.4918	0.4915		9.99	10.0	-0.0	30.0
Carbon tetrachloride	Ave	0.8143	0.8232		10.1	10.0	1.1	30.0
Benzene	Ave	1.155	1.153		9.98	10.0	-0.2	30.0
1,2-Dichloroethane	Ave	0.5110	0.5090		9.96	10.0	-0.4	30.0
2,2,4-Trimethylpentane	Ave	1.794	1.796		10.0	10.0	0.1	30.0
n-Heptane	Ave	0.6506	0.6483		9.96	10.0	-0.3	30.0
Trichloroethene	Ave	0.5390	0.5291		9.82	10.0	-1.8	30.0
1,2-Dichloropropane	Ave	0.4354	0.4334		9.95	10.0	-0.5	30.0
Methyl methacrylate	Ave	0.4018	0.4124		10.3	10.0	2.6	30.0
1,4-Dioxane	Ave	0.2204	0.2047		9.29	10.0	-7.1	30.0
Bromodichloromethane	Ave	0.8562	0.8696		10.2	10.0	1.6	30.0
1,3-Dichloropropene, cis-	Ave	0.7319	0.7393		10.1	10.0	1.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Lab Sample ID: ICV 200-205411/16 Calibration Date: 06/19/2024 01:33

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 60827_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone (MIBK)	Ave	0.7926	0.8057		10.2	10.0	1.7	30.0
Toluene	Ave	0.9039	0.9105		10.1	10.0	0.7	30.0
1,3-Dichloropropene, trans-	Ave	0.5803	0.6403		11.0	10.0	10.3	30.0
1,1,2-Trichloroethane	Ave	0.4637	0.4739		10.2	10.0	2.2	30.0
Tetrachloroethene	Ave	0.7518	0.7469		9.93	10.0	-0.7	30.0
2-Hexanone	Ave	0.8204	0.8224		10.0	10.0	0.2	30.0
Dibromochloromethane	Ave	0.9437	0.9689		10.3	10.0	2.7	30.0
1,2-Dibromoethane	Ave	0.8383	0.8513		10.2	10.0	1.5	30.0
Chlorobenzene	Ave	1.216	1.225		10.1	10.0	0.7	30.0
Ethylbenzene	Ave	1.988	2.022		10.2	10.0	1.7	30.0
m,p-Xylene	Ave	0.7505	0.7647		20.4	20.0	1.9	30.0
Xylene, o-	Ave	0.7250	0.7467		10.3	10.0	3.0	30.0
Styrene	Ave	1.179	1.215		10.3	10.0	3.1	30.0
Bromoform	Ave	0.8834	0.9279		10.5	10.0	5.0	30.0
1,1,2,2-Tetrachloroethane	Ave	1.167	1.192		10.2	10.0	2.1	30.0
2-Chlorotoluene	Ave	1.713	1.734		10.1	10.0	1.2	30.0
4-Ethyltoluene	Ave	2.072	2.178		10.5	10.0	5.1	30.0
1,3,5-Trimethylbenzene	Ave	1.740	1.823		10.5	10.0	4.8	30.0
1,2,4-Trimethylbenzene	Ave	1.755	1.818		10.4	10.0	3.6	30.0
1,3-Dichlorobenzene	Ave	1.206	1.221		10.1	10.0	1.2	30.0
1,4-Dichlorobenzene	Ave	1.204	1.220		10.1	10.0	1.3	30.0
1,2-Dichlorobenzene	Ave	1.145	1.164		10.2	10.0	1.7	30.0
1,2,4-Trichlorobenzene	Ave	0.9271	0.8645		9.32	10.0	-6.8	30.0
Hexachlorobutadiene	Ave	0.8274	0.8255		9.97	10.0	-0.2	30.0
Naphthalene	Ave	1.654	1.759		10.6	10.0	6.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Lab Sample ID: CCVIS 200-207101/3 Calibration Date: 08/02/2024 09:12

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 61451_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	4.298	4.029		9.37	10.0	-6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.452	4.416		9.92	10.0	-0.8	30.0
Chloromethane	Ave	1.248	1.439		11.5	10.0	15.3	30.0
Vinyl chloride	Ave	1.588	1.802		11.3	10.0	13.5	30.0
1,3-Butadiene	Ave	1.223	1.366		11.2	10.0	11.7	30.0
Bromomethane	Ave	1.650	1.594		9.66	10.0	-3.4	30.0
Chloroethane	Ave	0.8622	0.9472		11.0	10.0	9.9	30.0
Vinyl bromide	Ave	1.667	1.556		9.33	10.0	-6.7	30.0
Trichlorofluoromethane	Ave	4.598	4.267		9.28	10.0	-7.2	30.0
Ethanol	Ave	0.6024	0.6180		15.4	15.0	2.6	30.0
1,1-Dichloroethene	Ave	1.831	1.731		9.45	10.0	-5.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.852	3.714		9.64	10.0	-3.6	30.0
Acetone	Ave	2.352	2.844		12.1	10.0	20.9	30.0
Isopropanol	Ave	2.705	2.817		12.1	11.6	4.2	30.0
Carbon disulfide	Ave	5.024	5.366		10.7	10.0	6.8	30.0
Allyl chloride	Ave	2.164	2.293		10.6	10.0	6.0	30.0
Methylene Chloride	Ave	1.920	2.202		11.5	10.0	14.7	30.0
tert-Butyl alcohol	Ave	3.098	3.488		11.3	10.0	12.6	30.0
1,2-Dichloroethene, trans-	Ave	2.591	2.737		10.6	10.0	5.6	30.0
Methyl tert-butyl ether	Ave	4.780	4.979		10.4	10.0	4.2	30.0
Hexane	Ave	2.713	2.904		10.7	10.0	7.0	30.0
1,1-Dichloroethane	Ave	3.297	3.446		10.4	10.0	4.5	30.0
Methyl ethyl ketone (MEK)	Ave	0.8871	0.9369		10.6	10.0	5.6	30.0
1,2-Dichloroethene, cis-	Ave	2.016	1.931		9.58	10.0	-4.2	30.0
Tetrahydrofuran	Ave	0.3731	0.4458		11.9	10.0	19.5	30.0
Chloroform	Ave	3.866	3.900		10.1	10.0	0.9	30.0
1,1,1-Trichloroethane	Ave	0.7908	0.7660		9.69	10.0	-3.1	30.0
Cyclohexane	Ave	0.4918	0.4978		10.1	10.0	1.2	30.0
Carbon tetrachloride	Ave	0.8143	0.7695		9.45	10.0	-5.5	30.0
Benzene	Ave	1.155	1.187		10.3	10.0	2.8	30.0
1,2-Dichloroethane	Ave	0.5110	0.5258		10.3	10.0	2.9	30.0
2,2,4-Trimethylpentane	Ave	1.794	1.954		10.9	10.0	8.9	30.0
n-Heptane	Ave	0.6506	0.7253		11.1	10.0	11.5	30.0
Trichloroethene	Ave	0.5390	0.5221		9.69	10.0	-3.1	30.0
1,2-Dichloropropane	Ave	0.4354	0.4773		11.0	10.0	9.6	30.0
Methyl methacrylate	Ave	0.4018	0.4357		10.8	10.0	8.4	30.0
1,4-Dioxane	Ave	0.2204	0.2490		11.3	10.0	13.0	30.0
Bromodichloromethane	Ave	0.8562	0.8681		10.1	10.0	1.4	30.0
1,3-Dichloropropene, cis-	Ave	0.7319	0.7573		10.3	10.0	3.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Lab Sample ID: CCVIS 200-207101/3 Calibration Date: 08/02/2024 09:12

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 61451_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone (MIBK)	Ave	0.7926	0.9110		11.5	10.0	14.9	30.0
Toluene	Ave	0.9039	0.9109		10.1	10.0	0.8	30.0
1,3-Dichloropropene, trans-	Ave	0.5803	0.6028		10.4	10.0	3.9	30.0
1,1,2-Trichloroethane	Ave	0.4637	0.4914		10.6	10.0	6.0	30.0
Tetrachloroethene	Ave	0.7518	0.6742		8.97	10.0	-10.3	30.0
2-Hexanone	Ave	0.8204	0.9678		11.8	10.0	18.0	30.0
Dibromochloromethane	Ave	0.9437	0.9206		9.75	10.0	-2.4	30.0
1,2-Dibromoethane	Ave	0.8383	0.8434		10.1	10.0	0.6	30.0
Chlorobenzene	Ave	1.216	1.199		9.85	10.0	-1.5	30.0
Ethylbenzene	Ave	1.988	2.040		10.3	10.0	2.6	30.0
m,p-Xylene	Ave	0.7505	0.7545		20.1	20.0	0.5	30.0
Xylene, o-	Ave	0.7250	0.7180		9.90	10.0	-1.0	30.0
Styrene	Ave	1.179	1.203		10.2	10.0	2.1	30.0
Bromoform	Ave	0.8834	0.8317		9.41	10.0	-5.8	30.0
1,1,2,2-Tetrachloroethane	Ave	1.167	1.267		10.8	10.0	8.5	30.0
2-Chlorotoluene	Ave	1.713	1.781		10.4	10.0	4.0	30.0
4-Ethyltoluene	Ave	2.072	2.163		10.4	10.0	4.4	30.0
1,3,5-Trimethylbenzene	Ave	1.740	1.802		10.4	10.0	3.6	30.0
1,2,4-Trimethylbenzene	Ave	1.755	1.819		10.4	10.0	3.6	30.0
1,3-Dichlorobenzene	Ave	1.206	1.197		9.93	10.0	-0.7	30.0
1,4-Dichlorobenzene	Ave	1.204	1.205		10.0	10.0	0.1	30.0
1,2-Dichlorobenzene	Ave	1.145	1.149		10.0	10.0	0.3	30.0
1,2,4-Trichlorobenzene	Ave	0.9271	0.7261		9.18	11.7	-21.7	30.0
Hexachlorobutadiene	Ave	0.8274	0.6504		8.83	11.2	-21.4	30.0
Naphthalene	Ave	1.654	1.719		12.4	11.9	3.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Lab Sample ID: ICV 200-205411/16 Calibration Date: 06/19/2024 01:33

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 60827_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.9863	1.037		10.5	10.0	5.1	30.0
Dichlorodifluoromethane	Ave	4.298	4.478		10.4	10.0	4.2	30.0
Freon 22	Ave	2.286	2.349		10.3	10.0	2.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.452	4.537		10.2	10.0	1.9	30.0
Chloromethane	Ave	1.248	1.264		10.1	10.0	1.3	30.0
n-Butane	Ave	2.038	2.051		10.1	10.0	0.6	30.0
Vinyl chloride	Ave	1.588	1.493		9.40	10.0	-6.0	30.0
1,3-Butadiene	Ave	1.223	1.118		9.14	10.0	-8.6	30.0
Bromomethane	Ave	1.650	1.666		10.1	10.0	1.0	30.0
Chloroethane	Ave	0.8622	0.8778		10.2	10.0	1.8	30.0
Isopentane	Ave	1.777	1.774		9.98	10.0	-0.2	30.0
Bromoethene(Vinyl Bromide)	Ave	1.667	1.724		10.3	10.0	3.4	30.0
Trichlorofluoromethane	Ave	4.598	4.693		10.2	10.0	2.1	30.0
n-Pentane	Ave	2.716	2.684		9.88	10.0	-1.2	30.0
Ethanol	Ave	0.6024	0.5297		13.2	15.0	-12.1	30.0
Ethyl ether	Ave	1.189	1.178		9.91	10.0	-0.9	30.0
Acrolein	Ave	0.7156	0.7316		10.2	10.0	2.2	30.0
1,1-Dichloroethene	Ave	1.831	1.749		9.55	10.0	-4.5	30.0
Freon TF	Ave	3.852	3.732		9.69	10.0	-3.1	30.0
Acetone	Ave	2.352	2.427		10.3	10.0	3.2	30.0
Carbon disulfide	Ave	5.024	4.981		9.91	10.0	-0.9	30.0
Isopropyl alcohol	Ave	2.705	2.532		9.36	10.0	-6.4	30.0
Acetonitrile	Ave	1.186	1.078		9.09	10.0	-9.1	30.0
3-Chloropropene	Ave	2.164	2.178		10.1	10.0	0.7	30.0
Methylene Chloride	Ave	1.920	1.891		9.85	10.0	-1.5	30.0
tert-Butyl alcohol	Ave	3.098	3.124		10.1	10.0	0.8	30.0
Acrylonitrile	Ave	1.229	1.191		9.69	10.0	-3.0	30.0
trans-1,2-Dichloroethene	Ave	2.591	2.559		9.87	10.0	-1.3	30.0
Methyl tert-butyl ether	Ave	4.780	4.907		10.3	10.0	2.7	30.0
n-Hexane	Ave	2.713	2.652		9.77	10.0	-2.3	30.0
1,1-Dichloroethane	Ave	3.297	3.108		9.42	10.0	-5.7	30.0
Vinyl acetate	Ave	3.952	4.051		10.2	10.0	2.5	30.0
Methyl Ethyl Ketone	Ave	0.8871	0.8732		9.84	10.0	-1.6	30.0
cis-1,2-Dichloroethene	Ave	2.016	1.868		9.26	10.0	-7.3	30.0
Ethyl acetate	Ave	0.1547	0.1615		10.4	10.0	4.4	30.0
Tetrahydrofuran	Ave	0.3731	0.3751		10.1	10.0	0.5	30.0
Chloroform	Ave	3.866	3.810		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.7908	0.7971		10.1	10.0	0.8	30.0
Cyclohexane	Ave	0.4918	0.4915		9.99	10.0	-0.0	30.0
Carbon tetrachloride	Ave	0.8143	0.8232		10.1	10.0	1.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Lab Sample ID: ICV 200-205411/16 Calibration Date: 06/19/2024 01:33

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 60827_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.155	1.153		9.98	10.0	-0.2	30.0
1,2-Dichloroethane	Ave	0.5110	0.5090		9.96	10.0	-0.4	30.0
2,2,4-Trimethylpentane	Ave	1.794	1.796		10.0	10.0	0.1	30.0
n-Heptane	Ave	0.6506	0.6483		9.96	10.0	-0.3	30.0
n-Butanol	Ave	0.2376	0.2081		8.76	10.0	-12.4	30.0
Trichloroethene	Ave	0.5390	0.5291		9.82	10.0	-1.8	30.0
1,2-Dichloropropane	Ave	0.4354	0.4334		9.95	10.0	-0.5	30.0
Methyl methacrylate	Ave	0.4018	0.4124		10.3	10.0	2.6	30.0
1,4-Dioxane	Ave	0.2204	0.2047		9.29	10.0	-7.1	30.0
Dibromomethane	Ave	0.4653	0.4656		10.0	10.0	0.0	30.0
Bromodichloromethane	Ave	0.8562	0.8696		10.2	10.0	1.6	30.0
cis-1,3-Dichloropropene	Ave	0.7319	0.7393		10.1	10.0	1.0	30.0
methyl isobutyl ketone	Ave	0.7926	0.8057		10.2	10.0	1.7	30.0
Toluene	Ave	0.9039	0.9105		10.1	10.0	0.7	30.0
n-Octane	Ave	0.8942	0.8929		9.98	10.0	-0.1	30.0
trans-1,3-Dichloropropene	Ave	0.5803	0.6403		11.0	10.0	10.3	30.0
1,1,2-Trichloroethane	Ave	0.4637	0.4739		10.2	10.0	2.2	30.0
Tetrachloroethene	Ave	0.7518	0.7469		9.93	10.0	-0.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8204	0.8224		10.0	10.0	0.2	30.0
Dibromochloromethane	Ave	0.9437	0.9689		10.3	10.0	2.7	30.0
1,2-Dibromoethane	Ave	0.8383	0.8513		10.2	10.0	1.5	30.0
Chlorobenzene	Ave	1.216	1.225		10.1	10.0	0.7	30.0
Ethylbenzene	Ave	1.988	2.022		10.2	10.0	1.7	30.0
m,p-Xylene	Ave	0.7505	0.7647		20.4	20.0	1.9	30.0
n-Nonane	Ave	0.9464	0.9572		10.1	10.0	1.1	30.0
Xylene, o-	Ave	0.7250	0.7467		10.3	10.0	3.0	30.0
Styrene	Ave	1.179	1.215		10.3	10.0	3.1	30.0
Bromoform	Ave	0.8834	0.9279		10.5	10.0	5.0	30.0
Cumene	Ave	2.151	2.211		10.3	10.0	2.8	30.0
1,1,2,2-Tetrachloroethane	Ave	1.167	1.192		10.2	10.0	2.1	30.0
1,2,3-Trichloropropane	Ave	0.9157	0.9365		10.2	10.0	2.3	30.0
n-Propylbenzene	Ave	2.585	2.679		10.4	10.0	3.6	30.0
2-Chlorotoluene	Ave	1.713	1.734		10.1	10.0	1.2	30.0
4-Ethyltoluene	Ave	2.072	2.178		10.5	10.0	5.1	30.0
1,3,5-Trimethylbenzene	Ave	1.740	1.823		10.5	10.0	4.8	30.0
n-Decane	Ave	1.130	1.188		10.5	10.0	5.1	30.0
Alpha Methyl Styrene	Ave	0.9054	0.9496		10.5	10.0	4.9	30.0
tert-Butylbenzene	Ave	1.673	1.739		10.4	10.0	3.9	30.0
1,2,4-Trimethylbenzene	Ave	1.755	1.818		10.4	10.0	3.6	30.0
sec-Butylbenzene	Ave	2.524	2.651		10.5	10.0	5.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Lab Sample ID: ICV 200-205411/16 Calibration Date: 06/19/2024 01:33

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 60827_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.206	1.221		10.1	10.0	1.2	30.0
4-Isopropyltoluene	Ave	2.086	2.167		10.4	10.0	3.9	30.0
1,4-Dichlorobenzene	Ave	1.204	1.220		10.1	10.0	1.3	30.0
Benzyl chloride	Ave	1.520	1.618		10.6	10.0	6.5	30.0
n-Butylbenzene	Ave	2.023	2.081		10.3	10.0	2.8	30.0
1,2-Dichlorobenzene	Ave	1.145	1.164		10.2	10.0	1.7	30.0
n-Undecane	Ave	1.137	1.169		10.3	10.0	2.8	30.0
n-Dodecane	Ave	1.041	0.9521		9.15	10.0	-8.5	30.0
1,2,4-Trichlorobenzene	Ave	0.9271	0.8645		9.32	10.0	-6.8	30.0
Hexachlorobutadiene	Ave	0.8274	0.8255		9.97	10.0	-0.2	30.0
Naphthalene	Ave	1.654	1.759		10.6	10.0	6.3	30.0
1,2,3-Trichlorobenzene	Ave	0.8446	0.6797		8.05	10.0	-19.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Lab Sample ID: CCVIS 200-207101/3 Calibration Date: 08/02/2024 09:12

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 61451_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.9863	1.098		11.1	10.0	11.3	30.0
Dichlorodifluoromethane	Ave	4.298	4.029		9.37	10.0	-6.3	30.0
Freon 22	Ave	2.286	2.422		10.6	10.0	6.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.452	4.416		9.92	10.0	-0.8	30.0
Chloromethane	Ave	1.248	1.439		11.5	10.0	15.3	30.0
n-Butane	Ave	2.038	2.622		12.9	10.0	28.7	30.0
Vinyl chloride	Ave	1.588	1.802		11.3	10.0	13.5	30.0
1,3-Butadiene	Ave	1.223	1.366		11.2	10.0	11.7	30.0
Bromomethane	Ave	1.650	1.594		9.66	10.0	-3.4	30.0
Chloroethane	Ave	0.8622	0.9472		11.0	10.0	9.9	30.0
Isopentane	Ave	1.777	2.040		11.5	10.0	14.8	30.0
Bromoethene(Vinyl Bromide)	Ave	1.667	1.556		9.33	10.0	-6.7	30.0
Trichlorofluoromethane	Ave	4.598	4.267		9.28	10.0	-7.2	30.0
n-Pentane	Ave	2.716	3.227		11.9	10.0	18.8	30.0
Ethanol	Ave	0.6024	0.6180		15.4	15.0	2.6	30.0
Ethyl ether	Ave	1.189	1.306		11.0	10.0	9.9	30.0
Acrolein	Ave	0.7156	0.6792		11.1	11.7	-5.1	30.0
1,1-Dichloroethene	Ave	1.831	1.731		9.45	10.0	-5.5	30.0
Freon TF	Ave	3.852	3.714		9.64	10.0	-3.6	30.0
Acetone	Ave	2.352	2.844		12.1	10.0	20.9	30.0
Isopropyl alcohol	Ave	2.705	2.817		12.1	11.6	4.2	30.0
Carbon disulfide	Ave	5.024	5.366		10.7	10.0	6.8	30.0
Acetonitrile	Ave	1.186	1.490		12.6	10.0	25.6	30.0
3-Chloropropene	Ave	2.164	2.293		10.6	10.0	6.0	30.0
Methylene Chloride	Ave	1.920	2.202		11.5	10.0	14.7	30.0
tert-Butyl alcohol	Ave	3.098	3.488		11.3	10.0	12.6	30.0
Acrylonitrile	Ave	1.229	1.442		11.7	10.0	17.4	30.0
Methyl tert-butyl ether	Ave	4.780	4.979		10.4	10.0	4.2	30.0
trans-1,2-Dichloroethene	Ave	2.591	2.737		10.6	10.0	5.6	30.0
n-Hexane	Ave	2.713	2.904		10.7	10.0	7.0	30.0
1,1-Dichloroethane	Ave	3.297	3.446		10.4	10.0	4.5	30.0
Vinyl acetate	Ave	3.952	4.071		11.7	11.4	3.0	30.0
Methyl Ethyl Ketone	Ave	0.8871	0.9369		10.6	10.0	5.6	30.0
cis-1,2-Dichloroethene	Ave	2.016	1.931		9.58	10.0	-4.2	30.0
Ethyl acetate	Ave	0.1547	0.1606		10.4	10.0	3.8	30.0
Tetrahydrofuran	Ave	0.3731	0.4458		11.9	10.0	19.5	30.0
Chloroform	Ave	3.866	3.900		10.1	10.0	0.9	30.0
1,1,1-Trichloroethane	Ave	0.7908	0.7660		9.69	10.0	-3.1	30.0
Cyclohexane	Ave	0.4918	0.4978		10.1	10.0	1.2	30.0
Carbon tetrachloride	Ave	0.8143	0.7695		9.45	10.0	-5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Lab Sample ID: CCVIS 200-207101/3 Calibration Date: 08/02/2024 09:12

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 61451_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.155	1.187		10.3	10.0	2.8	30.0
1,2-Dichloroethane	Ave	0.5110	0.5258		10.3	10.0	2.9	30.0
2,2,4-Trimethylpentane	Ave	1.794	1.954		10.9	10.0	8.9	30.0
n-Heptane	Ave	0.6506	0.7253		11.1	10.0	11.5	30.0
n-Butanol	Ave	0.2376	0.2663		11.2	10.0	12.1	30.0
Trichloroethene	Ave	0.5390	0.5221		9.69	10.0	-3.1	30.0
1,2-Dichloropropane	Ave	0.4354	0.4773		11.0	10.0	9.6	30.0
Methyl methacrylate	Ave	0.4018	0.4357		10.8	10.0	8.4	30.0
1,4-Dioxane	Ave	0.2204	0.2490		11.3	10.0	13.0	30.0
Dibromomethane	Ave	0.4653	0.4254		9.14	10.0	-8.6	30.0
Bromodichloromethane	Ave	0.8562	0.8681		10.1	10.0	1.4	30.0
cis-1,3-Dichloropropene	Ave	0.7319	0.7573		10.3	10.0	3.5	30.0
methyl isobutyl ketone	Ave	0.7926	0.9110		11.5	10.0	14.9	30.0
Toluene	Ave	0.9039	0.9109		10.1	10.0	0.8	30.0
n-Octane	Ave	0.8942	1.011		11.3	10.0	13.1	30.0
trans-1,3-Dichloropropene	Ave	0.5803	0.6028		10.4	10.0	3.9	30.0
1,1,2-Trichloroethane	Ave	0.4637	0.4914		10.6	10.0	6.0	30.0
Tetrachloroethene	Ave	0.7518	0.6742		8.97	10.0	-10.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8204	0.9678		11.8	10.0	18.0	30.0
Dibromochloromethane	Ave	0.9437	0.9206		9.75	10.0	-2.4	30.0
1,2-Dibromoethane	Ave	0.8383	0.8434		10.1	10.0	0.6	30.0
Chlorobenzene	Ave	1.216	1.199		9.85	10.0	-1.5	30.0
Ethylbenzene	Ave	1.988	2.040		10.3	10.0	2.6	30.0
m,p-Xylene	Ave	0.7505	0.7545		20.1	20.0	0.5	30.0
n-Nonane	Ave	0.9464	1.057		11.2	10.0	11.7	30.0
Xylene, o-	Ave	0.7250	0.7180		9.90	10.0	-1.0	30.0
Styrene	Ave	1.179	1.203		10.2	10.0	2.1	30.0
Bromoform	Ave	0.8834	0.8317		9.41	10.0	-5.8	30.0
Cumene	Ave	2.151	2.179		10.1	10.0	1.3	30.0
1,1,2,2-Tetrachloroethane	Ave	1.167	1.267		10.8	10.0	8.5	30.0
1,2,3-Trichloropropane	Ave	0.9157	1.004		11.0	10.0	9.6	30.0
n-Propylbenzene	Ave	2.585	2.774		10.7	10.0	7.3	30.0
2-Chlorotoluene	Ave	1.713	1.781		10.4	10.0	4.0	30.0
4-Ethyltoluene	Ave	2.072	2.163		10.4	10.0	4.4	30.0
1,3,5-Trimethylbenzene	Ave	1.740	1.802		10.4	10.0	3.6	30.0
n-Decane	Ave	1.130	1.337		11.8	10.0	18.3	30.0
Alpha Methyl Styrene	Ave	0.9054	0.9287		10.3	10.0	2.6	30.0
tert-Butylbenzene	Ave	1.673	1.679		10.0	10.0	0.4	30.0
1,2,4-Trimethylbenzene	Ave	1.755	1.819		10.4	10.0	3.6	30.0
sec-Butylbenzene	Ave	2.524	2.648		10.5	10.0	4.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Lab Sample ID: CCVIS 200-207101/3 Calibration Date: 08/02/2024 09:12

Instrument ID: CHAM.i Calib Start Date: 06/18/2024 15:07

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/18/2024 22:56

Lab File ID: 61451_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.206	1.197		9.93	10.0	-0.7	30.0
4-Isopropyltoluene	Ave	2.086	2.167		10.4	10.0	3.9	30.0
1,4-Dichlorobenzene	Ave	1.204	1.205		10.0	10.0	0.1	30.0
Benzyl chloride	Ave	1.520	1.690		11.1	10.0	11.1	30.0
n-Butylbenzene	Ave	2.023	2.217		11.0	10.0	9.6	30.0
1,2-Dichlorobenzene	Ave	1.145	1.149		10.0	10.0	0.3	30.0
n-Undecane	Ave	1.137	1.307		11.5	10.0	14.9	30.0
n-Dodecane	Ave	1.041	1.174		11.3	10.0	12.8	30.0
1,2,4-Trichlorobenzene	Ave	0.9271	0.7261		9.18	11.7	-21.7	30.0
Hexachlorobutadiene	Ave	0.8274	0.6504		8.83	11.2	-21.4	30.0
Naphthalene	Ave	1.654	1.719		12.4	11.9	3.9	30.0
1,2,3-Trichlorobenzene	Ave	0.8446	0.6745		9.30	11.6	-20.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Lab Sample ID: ICV 200-207028/23 Calibration Date: 08/01/2024 13:10

Instrument ID: CHX.i Calib Start Date: 07/31/2024 16:56

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/01/2024 11:24

Lab File ID: 61427-23.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	1.629	1.596		9.80	10.0	-2.0	30.0
Dichlorodifluoromethane	Ave	4.628	4.576		9.89	10.0	-1.1	30.0
Freon 22	Ave	3.302	3.227		9.77	10.0	-2.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	5.284	4.924		9.32	10.0	-6.8	30.0
Chloromethane	Ave	2.076	2.140		10.3	10.0	3.1	30.0
Vinyl chloride	Ave	2.502	2.302		9.20	10.0	-8.0	30.0
n-Butane	Ave	4.436	3.976		8.96	10.0	-10.4	30.0
1,3-Butadiene	Ave	2.066	1.874		9.07	10.0	-9.3	30.0
Bromomethane	Ave	2.275	2.179		9.58	10.0	-4.2	30.0
Chloroethane	Ave	1.222	1.181		9.67	10.0	-3.3	30.0
Isopentane	Ave	3.005	2.982		9.92	10.0	-0.8	30.0
Bromoethene(Vinyl Bromide)	Ave	1.616	1.735		10.7	10.0	7.4	30.0
Trichlorofluoromethane	Ave	4.277	4.391		10.3	10.0	2.7	30.0
n-Pentane	Ave	4.355	4.098		9.41	10.0	-5.9	30.0
Ethanol	Ave	0.9157	0.9542		15.6	15.0	4.2	30.0
Ethyl ether	Ave	1.455	1.351		9.29	10.0	-7.1	30.0
Acrolein	Ave	0.8046	0.8582		10.7	10.0	6.7	30.0
1,1-Dichloroethene	Ave	1.748	1.599		9.14	10.0	-8.5	30.0
Freon TF	Ave	3.721	3.327		8.94	10.0	-10.6	30.0
Acetone	Ave	3.373	3.321		9.84	10.0	-1.5	30.0
Carbon disulfide	Ave	5.996	5.446		9.08	10.0	-9.2	30.0
Isopropyl alcohol	Ave	3.827	4.018		10.5	10.0	5.0	30.0
Acetonitrile	Ave	1.999	1.781		8.90	10.0	-10.9	30.0
3-Chloropropene	Ave	3.281	2.607		7.95	10.0	-20.5	30.0
Methylene Chloride	Ave	2.852	2.668		9.35	10.0	-6.4	30.0
tert-Butyl alcohol	Ave	4.077	4.018		9.85	10.0	-1.5	30.0
Acrylonitrile	Ave	1.708	1.603		9.38	10.0	-6.2	30.0
trans-1,2-Dichloroethene	Ave	3.190	3.023		9.47	10.0	-5.2	30.0
Methyl tert-butyl ether	Ave	5.254	5.081		9.67	10.0	-3.3	30.0
n-Hexane	Ave	3.547	3.327		9.38	10.0	-6.2	30.0
1,1-Dichloroethane	Ave	4.203	3.726		8.86	10.0	-11.3	30.0
Vinyl acetate	Ave	6.029	6.491		10.8	10.0	7.7	30.0
Methyl Ethyl Ketone	Ave	1.011	0.9614		9.51	10.0	-4.9	30.0
cis-1,2-Dichloroethene	Ave	2.028	1.805		8.90	10.0	-11.0	30.0
Ethyl acetate	Ave	0.1549	0.1534		9.90	10.0	-1.0	30.0
Tetrahydrofuran	Ave	0.5942	0.5402		9.09	10.0	-9.1	30.0
Chloroform	Ave	4.110	3.773		9.18	10.0	-8.2	30.0
1,1,1-Trichloroethane	Ave	0.7535	0.7214		9.57	10.0	-4.3	30.0
Cyclohexane	Ave	0.4989	0.4742		9.50	10.0	-5.0	30.0
Carbon tetrachloride	Ave	0.7465	0.6890		9.23	10.0	-7.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Lab Sample ID: ICV 200-207028/23 Calibration Date: 08/01/2024 13:10

Instrument ID: CHX.i Calib Start Date: 07/31/2024 16:56

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/01/2024 11:24

Lab File ID: 61427-23.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.266	1.159		9.16	10.0	-8.4	30.0
1,2-Dichloroethane	Ave	0.5651	0.5184		9.17	10.0	-8.3	30.0
2,2,4-Trimethylpentane	Ave	2.240	2.147		9.58	10.0	-4.2	30.0
n-Heptane	Ave	0.9418	0.9073		9.63	10.0	-3.7	30.0
n-Butanol	Ave	0.3230	0.2829		8.76	10.0	-12.4	30.0
Trichloroethene	Ave	0.5164	0.4884		9.46	10.0	-5.4	30.0
1,2-Dichloropropane	Ave	0.5526	0.5431		9.83	10.0	-1.7	30.0
Methyl methacrylate	Ave	0.4520	0.4530		10.0	10.0	0.2	30.0
Dibromomethane	Ave	0.4290	0.4257		9.92	10.0	-0.8	30.0
1,4-Dioxane	Ave	0.2363	0.2405		10.2	10.0	1.8	30.0
Bromodichloromethane	Ave	0.8996	0.8419		9.36	10.0	-6.4	30.0
cis-1,3-Dichloropropene	Ave	0.7956	0.7400		9.30	10.0	-7.0	30.0
methyl isobutyl ketone	Ave	1.217	1.200		9.85	10.0	-1.5	30.0
Toluene	Ave	0.8693	0.7017		8.07	10.0	-19.3	30.0
n-Octane	Ave	1.325	1.298		9.79	10.0	-2.0	30.0
trans-1,3-Dichloropropene	Ave	0.6362	0.6515		10.2	10.0	2.4	30.0
1,1,2-Trichloroethane	Ave	0.4890	0.3861		7.89	10.0	-21.0	30.0
Tetrachloroethene	Ave	0.6515	0.5174		7.94	10.0	-20.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.179	1.009		8.56	10.0	-14.4	30.0
Dibromochloromethane	Ave	0.8593	0.7513		8.74	10.0	-12.6	30.0
1,2-Dibromoethane	Ave	0.7957	0.7099		8.92	10.0	-10.8	30.0
Chlorobenzene	Ave	1.177	1.056		8.97	10.0	-10.3	30.0
Ethylbenzene	Ave	1.956	1.826		9.33	10.0	-6.6	30.0
m,p-Xylene	Ave	0.6953	0.6694		19.3	20.0	-3.7	30.0
n-Nonane	Ave	1.198	1.114		9.29	10.0	-7.0	30.0
Xylene, o-	Ave	0.6699	0.5931		8.85	10.0	-11.5	30.0
Styrene	Ave	1.114	1.000		8.97	10.0	-10.2	30.0
Bromoform	Ave	0.8154	0.6113		7.50	10.0	-25.0	30.0
Cumene	Ave	2.073	1.790		8.63	10.0	-13.6	30.0
1,1,2,2-Tetrachloroethane	Ave	1.347	1.071		7.95	10.0	-20.5	30.0
1,2,3-Trichloropropane	Ave	1.030	0.8393		8.15	10.0	-18.5	30.0
n-Propylbenzene	Ave	2.685	2.319		8.64	10.0	-13.6	30.0
2-Chlorotoluene	Ave	1.699	1.422		8.37	10.0	-16.3	30.0
4-Ethyltoluene	Ave	2.065	1.805		8.74	10.0	-12.6	30.0
1,3,5-Trimethylbenzene	Ave	1.799	1.555		8.64	10.0	-13.6	30.0
n-Decane	Ave	1.662	1.434		8.63	10.0	-13.7	30.0
Alpha Methyl Styrene	Ave	0.8605	0.7468		8.68	10.0	-13.2	30.0
tert-Butylbenzene	Ave	1.727	1.497		8.67	10.0	-13.3	30.0
1,2,4-Trimethylbenzene	Ave	1.831	1.602		8.75	10.0	-12.5	30.0
sec-Butylbenzene	Ave	2.768	2.449		8.85	10.0	-11.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Lab Sample ID: ICV 200-207028/23 Calibration Date: 08/01/2024 13:10

Instrument ID: CHX.i Calib Start Date: 07/31/2024 16:56

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/01/2024 11:24

Lab File ID: 61427-23.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.165	0.9633		8.26	10.0	-17.3	30.0
4-Isopropyltoluene	Ave	2.240	1.945		8.68	10.0	-13.1	30.0
1,4-Dichlorobenzene	Ave	1.128	0.9486		8.41	10.0	-15.9	30.0
Benzyl chloride	Ave	1.574	1.261		8.01	10.0	-19.9	30.0
n-Butylbenzene	Ave	2.256	2.005		8.89	10.0	-11.1	30.0
1,2-Dichlorobenzene	Ave	1.166	0.9713		8.33	10.0	-16.7	30.0
n-Undecane	Ave	1.950	1.590		8.15	10.0	-18.5	30.0
n-Dodecane	Ave	1.820	1.385		7.61	10.0	-23.9	30.0
1,2,4-Trichlorobenzene	Ave	0.6277	0.5194		8.27	10.0	-17.2	30.0
Hexachlorobutadiene	Ave	0.8526	0.7719		9.05	10.0	-9.5	30.0
Naphthalene	Ave	1.573	1.259		8.00	10.0	-20.0	30.0
1,2,3-Trichlorobenzene	Ave	0.7103	0.5089		7.16	10.0	-28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Lab Sample ID: CCVIS 200-207356/2 Calibration Date: 08/09/2024 08:25

Instrument ID: CHX.i Calib Start Date: 07/31/2024 16:56

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/01/2024 11:24

Lab File ID: 61545-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	1.629	1.896		11.6	10.0	16.4	30.0
Dichlorodifluoromethane	Ave	4.628	4.978		10.8	10.0	7.6	30.0
Freon 22	Ave	3.302	3.483		10.5	10.0	5.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	5.284	5.455		10.3	10.0	3.3	30.0
Chloromethane	Ave	2.076	2.272		10.9	10.0	9.5	30.0
Vinyl chloride	Ave	2.502	2.304		9.21	10.0	-7.9	30.0
n-Butane	Ave	4.436	4.086		9.21	10.0	-7.9	30.0
1,3-Butadiene	Ave	2.066	1.831		8.86	10.0	-11.4	30.0
Bromomethane	Ave	2.275	2.082		9.15	10.0	-8.5	30.0
Chloroethane	Ave	1.222	1.160		9.49	10.0	-5.1	30.0
Isopentane	Ave	3.005	2.647		8.81	10.0	-11.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.616	1.466		9.07	10.0	-9.2	30.0
Trichlorofluoromethane	Ave	4.277	3.869		9.04	10.0	-9.5	30.0
n-Pentane	Ave	4.355	3.971		9.12	10.0	-8.8	30.0
Ethanol	Ave	0.9157	0.9442		15.5	15.0	3.1	30.0
Ethyl ether	Ave	1.455	1.293		8.89	10.0	-11.1	30.0
Acrolein	Ave	0.8046	0.6759		9.84	11.7	-16.0	30.0
1,1-Dichloroethene	Ave	1.748	1.567		8.96	10.0	-10.4	30.0
Freon TF	Ave	3.721	3.316		8.91	10.0	-10.9	30.0
Acetone	Ave	3.373	3.204		9.50	10.0	-5.0	30.0
Carbon disulfide	Ave	5.996	5.351		8.92	10.0	-10.7	30.0
Isopropyl alcohol	Ave	3.827	3.162		9.57	11.6	-17.4	30.0
Acetonitrile	Ave	1.999	1.720		8.60	10.0	-14.0	30.0
3-Chloropropene	Ave	3.281	2.453		7.48	10.0	-25.2	30.0
Methylene Chloride	Ave	2.852	2.634		9.24	10.0	-7.6	30.0
tert-Butyl alcohol	Ave	4.077	3.557		8.72	10.0	-12.8	30.0
Acrylonitrile	Ave	1.708	1.522		8.91	10.0	-10.9	30.0
trans-1,2-Dichloroethene	Ave	3.190	2.969		9.30	10.0	-6.9	30.0
Methyl tert-butyl ether	Ave	5.254	4.844		9.22	10.0	-7.8	30.0
n-Hexane	Ave	3.547	3.230		9.10	10.0	-9.0	30.0
1,1-Dichloroethane	Ave	4.203	3.692		8.78	10.0	-12.1	30.0
Vinyl acetate	Ave	6.029	5.435		10.3	11.4	-9.8	30.0
Methyl Ethyl Ketone	Ave	1.011	0.9152		9.05	10.0	-9.4	30.0
cis-1,2-Dichloroethene	Ave	2.028	1.760		8.68	10.0	-13.2	30.0
Ethyl acetate	Ave	0.1549	0.1493		9.64	10.0	-3.6	30.0
Tetrahydrofuran	Ave	0.5942	0.5484		9.23	10.0	-7.7	30.0
Chloroform	Ave	4.110	3.773		9.18	10.0	-8.2	30.0
1,1,1-Trichloroethane	Ave	0.7535	0.7223		9.58	10.0	-4.1	30.0
Cyclohexane	Ave	0.4989	0.4756		9.53	10.0	-4.7	30.0
Carbon tetrachloride	Ave	0.7465	0.7352		9.85	10.0	-1.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Lab Sample ID: CCVIS 200-207356/2 Calibration Date: 08/09/2024 08:25

Instrument ID: CHX.i Calib Start Date: 07/31/2024 16:56

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/01/2024 11:24

Lab File ID: 61545-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.266	1.192		9.41	10.0	-5.8	30.0
1,2-Dichloroethane	Ave	0.5651	0.5342		9.45	10.0	-5.5	30.0
2,2,4-Trimethylpentane	Ave	2.240	2.210		9.86	10.0	-1.3	30.0
n-Heptane	Ave	0.9418	0.9224		9.79	10.0	-2.1	30.0
n-Butanol	Ave	0.3230	0.2659		8.23	10.0	-17.7	30.0
Trichloroethene	Ave	0.5164	0.4852		9.39	10.0	-6.0	30.0
1,2-Dichloropropane	Ave	0.5526	0.5366		9.71	10.0	-2.9	30.0
Methyl methacrylate	Ave	0.4520	0.4402		9.74	10.0	-2.6	30.0
Dibromomethane	Ave	0.4290	0.4282		9.98	10.0	-0.2	30.0
1,4-Dioxane	Ave	0.2363	0.2255		9.54	10.0	-4.6	30.0
Bromodichloromethane	Ave	0.8996	0.8596		9.55	10.0	-4.4	30.0
cis-1,3-Dichloropropene	Ave	0.7956	0.7474		9.39	10.0	-6.1	30.0
methyl isobutyl ketone	Ave	1.217	1.166		9.58	10.0	-4.2	30.0
Toluene	Ave	0.8693	0.8590		9.88	10.0	-1.2	30.0
n-Octane	Ave	1.325	1.351		10.2	10.0	2.0	30.0
trans-1,3-Dichloropropene	Ave	0.6362	0.6656		10.5	10.0	4.6	30.0
1,1,2-Trichloroethane	Ave	0.4890	0.4819		9.85	10.0	-1.5	30.0
Tetrachloroethene	Ave	0.6515	0.6513		9.99	10.0	-0.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.179	1.163		9.87	10.0	-1.3	30.0
Dibromochloromethane	Ave	0.8593	0.8377		9.75	10.0	-2.5	30.0
1,2-Dibromoethane	Ave	0.7957	0.7840		9.85	10.0	-1.5	30.0
Chlorobenzene	Ave	1.177	1.163		9.88	10.0	-1.2	30.0
Ethylbenzene	Ave	1.956	1.976		10.1	10.0	1.0	30.0
m,p-Xylene	Ave	0.6953	0.7477		21.5	20.0	7.5	30.0
n-Nonane	Ave	1.198	1.261		10.5	10.0	5.3	30.0
Xylene, o-	Ave	0.6699	0.7072		10.6	10.0	5.6	30.0
Styrene	Ave	1.114	1.190		10.7	10.0	6.8	30.0
Bromoform	Ave	0.8154	0.7664		9.40	10.0	-6.0	30.0
Cumene	Ave	2.073	2.204		10.6	10.0	6.3	30.0
1,1,2,2-Tetrachloroethane	Ave	1.347	1.362		10.1	10.0	1.1	30.0
1,2,3-Trichloropropane	Ave	1.030	1.057		10.3	10.0	2.7	30.0
n-Propylbenzene	Ave	2.685	2.863		10.7	10.0	6.6	30.0
2-Chlorotoluene	Ave	1.699	1.727		10.2	10.0	1.7	30.0
4-Ethyltoluene	Ave	2.065	2.235		10.8	10.0	8.2	30.0
1,3,5-Trimethylbenzene	Ave	1.799	1.883		10.5	10.0	4.7	30.0
n-Decane	Ave	1.662	1.783		10.7	10.0	7.3	30.0
Alpha Methyl Styrene	Ave	0.8605	0.9104		10.6	10.0	5.8	30.0
tert-Butylbenzene	Ave	1.727	1.825		10.6	10.0	5.7	30.0
1,2,4-Trimethylbenzene	Ave	1.831	1.923		10.5	10.0	5.0	30.0
sec-Butylbenzene	Ave	2.768	2.966		10.7	10.0	7.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Lab Sample ID: CCVIS 200-207356/2 Calibration Date: 08/09/2024 08:25

Instrument ID: CHX.i Calib Start Date: 07/31/2024 16:56

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/01/2024 11:24

Lab File ID: 61545-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.165	1.176		10.1	10.0	0.9	30.0
4-Isopropyltoluene	Ave	2.240	2.401		10.7	10.0	7.2	30.0
1,4-Dichlorobenzene	Ave	1.128	1.163		10.3	10.0	3.1	30.0
Benzyl chloride	Ave	1.574	1.544		9.81	10.0	-1.9	30.0
n-Butylbenzene	Ave	2.256	2.436		10.8	10.0	8.0	30.0
1,2-Dichlorobenzene	Ave	1.166	1.174		10.1	10.0	0.7	30.0
n-Undecane	Ave	1.950	1.963		10.1	10.0	0.7	30.0
n-Dodecane	Ave	1.820	1.603		8.81	10.0	-11.9	30.0
1,2,4-Trichlorobenzene	Ave	0.6277	0.5575		10.4	11.7	-11.2	30.0
Hexachlorobutadiene	Ave	0.8526	0.8578		11.3	11.2	0.6	30.0
Naphthalene	Ave	1.573	1.290		9.75	11.9	-18.0	30.0
1,2,3-Trichlorobenzene	Ave	0.7103	0.5284		8.66	11.6	-25.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Lab Sample ID: ICV 200-207426/17 Calibration Date: 08/13/2024 01:54

Instrument ID: CHAN.i Calib Start Date: 08/12/2024 14:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/12/2024 23:20

Lab File ID: 61568_017.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	1.787	1.863		10.4	10.0	4.2	30.0
Dichlorodifluoromethane	Ave	4.214	4.385		10.4	10.0	4.1	30.0
Freon 22	Ave	3.109	3.212		10.3	10.0	3.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.645	4.712		10.1	10.0	1.4	30.0
Chloromethane	Ave	1.938	1.987		10.3	10.0	2.5	30.0
n-Butane	Ave	2.903	2.733		9.41	10.0	-5.9	30.0
Vinyl chloride	Ave	1.829	1.732		9.47	10.0	-5.3	30.0
1,3-Butadiene	Ave	1.437	1.355		9.42	10.0	-5.8	30.0
Bromomethane	Ave	1.473	1.473		10.0	10.0	-0.0	30.0
Chloroethane	Ave	1.018	1.049		10.3	10.0	3.1	30.0
Isopentane	Ave	2.554	2.489		9.75	10.0	-2.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.328	1.373		10.3	10.0	3.4	30.0
Trichlorofluoromethane	Ave	3.587	3.551		9.90	10.0	-1.0	30.0
n-Pentane	Ave	3.630	3.522		9.70	10.0	-3.0	30.0
Ethanol	Ave	0.7475	0.8699		17.5	15.0	16.4	30.0
Ethyl ether	Ave	1.326	1.303		9.83	10.0	-1.7	30.0
Acrolein	Ave	0.6836	0.7583		11.1	10.0	10.9	30.0
1,1-Dichloroethene	Ave	1.654	1.476		8.92	10.0	-10.7	30.0
Freon TF	Ave	3.111	2.985		9.59	10.0	-4.1	30.0
Acetone	Ave	2.623	2.689		10.2	10.0	2.5	30.0
Isopropyl alcohol	Ave	2.700	3.127		11.6	10.0	15.8	30.0
Carbon disulfide	Ave	4.797	4.771		9.94	10.0	-0.6	30.0
Acetonitrile	Ave	1.410	1.298		9.21	10.0	-7.9	30.0
3-Chloropropene	Ave	2.356	1.999		8.48	10.0	-15.2	30.0
Methylene Chloride	Ave	2.067	2.023		9.78	10.0	-2.1	30.0
tert-Butyl alcohol	Ave	3.313	3.440		10.4	10.0	3.8	30.0
Acrylonitrile	Ave	1.270	1.248		9.82	10.0	-1.7	30.0
trans-1,2-Dichloroethene	Ave	2.556	2.485		9.72	10.0	-2.8	30.0
Methyl tert-butyl ether	Ave	4.557	4.515		9.91	10.0	-0.9	30.0
n-Hexane	Ave	2.779	2.716		9.77	10.0	-2.3	30.0
1,1-Dichloroethane	Ave	3.204	3.023		9.43	10.0	-5.6	30.0
Vinyl acetate	Ave	3.930	4.541		11.6	10.0	15.5	30.0
Methyl Ethyl Ketone	Ave	0.8328	0.8319		9.99	10.0	-0.1	30.0
cis-1,2-Dichloroethene	Ave	1.740	1.588		9.12	10.0	-8.7	30.0
Ethyl acetate	Ave	0.1386	0.1434		10.3	10.0	3.5	30.0
Tetrahydrofuran	Ave	0.3890	0.3928		10.1	10.0	1.0	30.0
Chloroform	Ave	3.364	3.294		9.79	10.0	-2.1	30.0
1,1,1-Trichloroethane	Ave	0.6268	0.6102		9.73	10.0	-2.7	30.0
Cyclohexane	Ave	0.4178	0.4126		9.87	10.0	-1.2	30.0
Carbon tetrachloride	Ave	0.5928	0.5813		9.80	10.0	-1.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Lab Sample ID: ICV 200-207426/17 Calibration Date: 08/13/2024 01:54

Instrument ID: CHAN.i Calib Start Date: 08/12/2024 14:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/12/2024 23:20

Lab File ID: 61568_017.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.012	1.002		9.90	10.0	-1.0	30.0
1,2-Dichloroethane	Ave	0.4296	0.4261		9.92	10.0	-0.8	30.0
2,2,4-Trimethylpentane	Ave	1.709	1.722		10.1	10.0	0.8	30.0
n-Heptane	Ave	0.6611	0.6562		9.92	10.0	-0.7	30.0
n-Butanol	Ave	0.2401	0.2249		9.36	10.0	-6.4	30.0
Trichloroethene	Ave	0.4153	0.4168		10.0	10.0	0.4	30.0
1,2-Dichloropropane	Ave	0.4096	0.4070		9.93	10.0	-0.6	30.0
Methyl methacrylate	Ave	0.3589	0.3671		10.2	10.0	2.3	30.0
1,4-Dioxane	Ave	0.1912	0.1950		10.2	10.0	2.0	30.0
Dibromomethane	Ave	0.2853	0.2896		10.2	10.0	1.5	30.0
Bromodichloromethane	Ave	0.6993	0.7005		10.0	10.0	0.2	30.0
cis-1,3-Dichloropropene	Ave	0.6480	0.6520		10.1	10.0	0.6	30.0
methyl isobutyl ketone	Ave	0.8104	0.8413		10.4	10.0	3.8	30.0
Toluene	Ave	0.7586	0.7660		10.1	10.0	1.0	30.0
n-Octane	Ave	0.9053	0.9026		9.97	10.0	-0.3	30.0
trans-1,3-Dichloropropene	Ave	0.5149	0.5551		10.8	10.0	7.8	30.0
1,1,2-Trichloroethane	Ave	0.4117	0.4159		10.1	10.0	1.0	30.0
Tetrachloroethene	Ave	0.4781	0.4733		9.90	10.0	-1.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8393	0.8746		10.4	10.0	4.2	30.0
Dibromochloromethane	Ave	0.6744	0.6553		9.72	10.0	-2.8	30.0
1,2-Dibromoethane	Ave	0.6527	0.6626		10.1	10.0	1.5	30.0
Chlorobenzene	Ave	0.9515	0.9484		9.97	10.0	-0.3	30.0
Ethylbenzene	Ave	1.677	1.696		10.1	10.0	1.1	30.0
m,p-Xylene	Ave	0.5952	0.6065		20.4	20.0	1.9	30.0
n-Nonane	Ave	0.9247	0.9315		10.1	10.0	0.7	30.0
Xylene, o-	Ave	0.5808	0.5901		10.2	10.0	1.6	30.0
Styrene	Ave	0.9267	0.9731		10.5	10.0	5.0	30.0
Bromoform	Ave	0.5603	0.4970		8.87	10.0	-11.3	30.0
Cumene	Ave	1.757	1.783		10.1	10.0	1.5	30.0
1,1,2,2-Tetrachloroethane	Ave	1.085	1.071		9.87	10.0	-1.2	30.0
1,2,3-Trichloropropane	Ave	0.8333	0.8364		10.0	10.0	0.4	30.0
n-Propylbenzene	Ave	2.253	2.283		10.1	10.0	1.3	30.0
2-Chlorotoluene	Ave	1.419	1.425		10.0	10.0	0.5	30.0
4-Ethyltoluene	Ave	1.704	1.745		10.2	10.0	2.4	30.0
1,3,5-Trimethylbenzene	Ave	1.423	1.465		10.3	10.0	3.0	30.0
n-Decane	Ave	1.116	1.185		10.6	10.0	6.2	30.0
Alpha Methyl Styrene	Ave	0.7005	0.7163		10.2	10.0	2.2	30.0
tert-Butylbenzene	Ave	1.327	1.358		10.2	10.0	2.4	30.0
1,2,4-Trimethylbenzene	Ave	1.445	1.471		10.2	10.0	1.8	30.0
sec-Butylbenzene	Ave	2.133	2.200		10.3	10.0	3.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Lab Sample ID: ICV 200-207426/17 Calibration Date: 08/13/2024 01:54

Instrument ID: CHAN.i Calib Start Date: 08/12/2024 14:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/12/2024 23:20

Lab File ID: 61568_017.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.8767	0.8760		9.99	10.0	-0.0	30.0
4-Isopropyltoluene	Ave	1.683	1.714		10.2	10.0	1.8	30.0
1,4-Dichlorobenzene	Ave	0.8746	0.8878		10.1	10.0	1.5	30.0
Benzyl chloride	Ave	1.444	1.346		9.31	10.0	-6.8	30.0
n-Butylbenzene	Ave	1.818	1.855		10.2	10.0	2.1	30.0
1,2-Dichlorobenzene	Ave	0.8454	0.8348		9.87	10.0	-1.3	30.0
n-Undecane	Ave	1.151	1.202		10.4	10.0	4.5	30.0
n-Dodecane	Ave	1.057	1.016		9.61	10.0	-3.9	30.0
1,2,4-Trichlorobenzene	Ave	0.5025	0.5542		11.0	10.0	10.3	30.0
Hexachlorobutadiene	Ave	0.4230	0.4812		11.4	10.0	13.8	30.0
Naphthalene	Ave	1.289	1.396		10.8	10.0	8.3	30.0
1,2,3-Trichlorobenzene	Ave	0.4748	0.4517		9.51	10.0	-4.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Lab Sample ID: CCVIS 200-207469/2 Calibration Date: 08/13/2024 11:13

Instrument ID: CHAN.i Calib Start Date: 08/12/2024 14:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/12/2024 23:20

Lab File ID: 61584_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	1.787	1.724		9.64	10.0	-3.6	30.0
Dichlorodifluoromethane	Ave	4.214	3.995		9.48	10.0	-5.2	30.0
Freon 22	Ave	3.109	2.944		9.47	10.0	-5.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.645	4.275		9.20	10.0	-8.0	30.0
Chloromethane	Ave	1.938	1.814		9.36	10.0	-6.4	30.0
n-Butane	Ave	2.903	2.524		8.69	10.0	-13.1	30.0
Vinyl chloride	Ave	1.829	1.576		8.62	10.0	-13.8	30.0
1,3-Butadiene	Ave	1.437	1.228		8.55	10.0	-14.5	30.0
Bromomethane	Ave	1.473	1.336		9.07	10.0	-9.3	30.0
Chloroethane	Ave	1.018	0.9441		9.27	10.0	-7.2	30.0
Isopentane	Ave	2.554	2.259		8.84	10.0	-11.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.328	1.209		9.10	10.0	-9.0	30.0
Trichlorofluoromethane	Ave	3.587	3.214		8.96	10.0	-10.4	30.0
n-Pentane	Ave	3.630	3.292		9.07	10.0	-9.3	30.0
Ethanol	Ave	0.7475	0.7114		14.3	15.0	-4.8	30.0
Ethyl ether	Ave	1.326	1.211		9.13	10.0	-8.7	30.0
Acrolein	Ave	0.6836	0.6399		11.0	11.7	-6.4	30.0
1,1-Dichloroethene	Ave	1.654	1.361		8.23	10.0	-17.7	30.0
Freon TF	Ave	3.111	2.789		8.96	10.0	-10.4	30.0
Acetone	Ave	2.623	2.482		9.46	10.0	-5.4	30.0
Isopropyl alcohol	Ave	2.700	2.571		11.0	11.6	-4.8	30.0
Carbon disulfide	Ave	4.797	4.438		9.25	10.0	-7.5	30.0
Acetonitrile	Ave	1.410	1.331		9.44	10.0	-5.6	30.0
3-Chloropropene	Ave	2.356	2.136		9.06	10.0	-9.4	30.0
Methylene Chloride	Ave	2.067	1.879		9.09	10.0	-9.1	30.0
tert-Butyl alcohol	Ave	3.313	3.131		9.45	10.0	-5.5	30.0
Acrylonitrile	Ave	1.270	1.186		9.33	10.0	-6.7	30.0
trans-1,2-Dichloroethene	Ave	2.556	2.218		8.68	10.0	-13.2	30.0
Methyl tert-butyl ether	Ave	4.557	4.088		8.97	10.0	-10.3	30.0
n-Hexane	Ave	2.779	2.469		8.88	10.0	-11.1	30.0
1,1-Dichloroethane	Ave	3.204	2.809		8.77	10.0	-12.3	30.0
Vinyl acetate	Ave	3.930	3.725		10.8	11.4	-5.2	30.0
Methyl Ethyl Ketone	Ave	0.8328	0.7696		9.24	10.0	-7.6	30.0
cis-1,2-Dichloroethene	Ave	1.740	1.496		8.59	10.0	-14.0	30.0
Ethyl acetate	Ave	0.1386	0.1290		9.31	10.0	-6.9	30.0
Tetrahydrofuran	Ave	0.3890	0.3643		9.36	10.0	-6.4	30.0
Chloroform	Ave	3.364	3.002		8.92	10.0	-10.8	30.0
1,1,1-Trichloroethane	Ave	0.6268	0.5470		8.72	10.0	-12.7	30.0
Cyclohexane	Ave	0.4178	0.3757		8.99	10.0	-10.1	30.0
Carbon tetrachloride	Ave	0.5928	0.5269		8.89	10.0	-11.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Lab Sample ID: CCVIS 200-207469/2 Calibration Date: 08/13/2024 11:13

Instrument ID: CHAN.i Calib Start Date: 08/12/2024 14:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/12/2024 23:20

Lab File ID: 61584_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.012	0.9020		8.91	10.0	-10.9	30.0
1,2-Dichloroethane	Ave	0.4296	0.3830		8.91	10.0	-10.9	30.0
2,2,4-Trimethylpentane	Ave	1.709	1.543		9.02	10.0	-9.7	30.0
n-Heptane	Ave	0.6611	0.5862		8.87	10.0	-11.3	30.0
n-Butanol	Ave	0.2401	0.2229		9.28	10.0	-7.2	30.0
Trichloroethene	Ave	0.4153	0.3724		8.96	10.0	-10.3	30.0
1,2-Dichloropropane	Ave	0.4096	0.3672		8.96	10.0	-10.4	30.0
Methyl methacrylate	Ave	0.3589	0.3392		9.45	10.0	-5.5	30.0
1,4-Dioxane	Ave	0.1912	0.1767		9.24	10.0	-7.6	30.0
Dibromomethane	Ave	0.2853	0.2548		8.93	10.0	-10.7	30.0
Bromodichloromethane	Ave	0.6993	0.6336		9.06	10.0	-9.4	30.0
cis-1,3-Dichloropropene	Ave	0.6480	0.5960		9.20	10.0	-8.0	30.0
methyl isobutyl ketone	Ave	0.8104	0.7598		9.37	10.0	-6.2	30.0
Toluene	Ave	0.7586	0.6855		9.03	10.0	-9.6	30.0
n-Octane	Ave	0.9053	0.8116		8.96	10.0	-10.4	30.0
trans-1,3-Dichloropropene	Ave	0.5149	0.4673		9.07	10.0	-9.3	30.0
1,1,2-Trichloroethane	Ave	0.4117	0.3683		8.94	10.0	-10.6	30.0
Tetrachloroethene	Ave	0.4781	0.4213		8.81	10.0	-11.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8393	0.8036		9.57	10.0	-4.3	30.0
Dibromochloromethane	Ave	0.6744	0.6228		9.23	10.0	-7.6	30.0
1,2-Dibromoethane	Ave	0.6527	0.5971		9.15	10.0	-8.5	30.0
Chlorobenzene	Ave	0.9515	0.8462		8.89	10.0	-11.1	30.0
Ethylbenzene	Ave	1.677	1.524		9.09	10.0	-9.1	30.0
m,p-Xylene	Ave	0.5952	0.5426		18.2	20.0	-8.8	30.0
n-Nonane	Ave	0.9247	0.8280		8.95	10.0	-10.5	30.0
Xylene, o-	Ave	0.5808	0.5277		9.08	10.0	-9.1	30.0
Styrene	Ave	0.9267	0.8769		9.46	10.0	-5.4	30.0
Bromoform	Ave	0.5603	0.5283		9.43	10.0	-5.7	30.0
Cumene	Ave	1.757	1.605		9.14	10.0	-8.6	30.0
1,1,2,2-Tetrachloroethane	Ave	1.085	0.9777		9.01	10.0	-9.9	30.0
1,2,3-Trichloropropane	Ave	0.8333	0.7596		9.11	10.0	-8.8	30.0
n-Propylbenzene	Ave	2.253	2.068		9.18	10.0	-8.2	30.0
2-Chlorotoluene	Ave	1.419	1.269		8.94	10.0	-10.5	30.0
4-Ethyltoluene	Ave	1.704	1.572		9.22	10.0	-7.7	30.0
1,3,5-Trimethylbenzene	Ave	1.423	1.317		9.26	10.0	-7.4	30.0
n-Decane	Ave	1.116	1.047		9.38	10.0	-6.2	30.0
Alpha Methyl Styrene	Ave	0.7005	0.6742		9.62	10.0	-3.8	30.0
tert-Butylbenzene	Ave	1.327	1.217		9.17	10.0	-8.3	30.0
1,2,4-Trimethylbenzene	Ave	1.445	1.344		9.30	10.0	-7.0	30.0
sec-Butylbenzene	Ave	2.133	1.976		9.26	10.0	-7.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Lab Sample ID: CCVIS 200-207469/2 Calibration Date: 08/13/2024 11:13

Instrument ID: CHAN.i Calib Start Date: 08/12/2024 14:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/12/2024 23:20

Lab File ID: 61584_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	0.8767	0.8090		9.23	10.0	-7.7	30.0
4-Isopropyltoluene	Ave	1.683	1.581		9.39	10.0	-6.1	30.0
1,4-Dichlorobenzene	Ave	0.8746	0.8111		9.27	10.0	-7.3	30.0
Benzyl chloride	Ave	1.444	1.393		9.64	10.0	-3.6	30.0
n-Butylbenzene	Ave	1.818	1.716		9.44	10.0	-5.6	30.0
1,2-Dichlorobenzene	Ave	0.8454	0.7812		9.24	10.0	-7.6	30.0
n-Undecane	Ave	1.151	1.070		9.30	10.0	-7.0	30.0
n-Dodecane	Ave	1.057	0.9490		8.98	10.0	-10.2	30.0
1,2,4-Trichlorobenzene	Ave	0.5025	0.4841		11.3	11.7	-3.7	30.0
Hexachlorobutadiene	Ave	0.4230	0.3837		10.2	11.2	-9.3	30.0
Naphthalene	Ave	1.289	1.331		12.3	11.9	3.3	30.0
1,2,3-Trichlorobenzene	Ave	0.4748	0.4471		11.0	11.6	-5.8	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Instrument ID: CHAM.i Start Date: 06/18/2024 12:34

Analysis Batch Number: 205411 End Date: 06/19/2024 04:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-205411/1		06/18/2024 12:34	1	60827_001.D	RTX-624 0.32(mm)
IC 200-205411/4		06/18/2024 15:07	1	60827_004.D	RTX-624 0.32(mm)
IC 200-205411/5		06/18/2024 15:59	1	60827_005.D	RTX-624 0.32(mm)
IC 200-205411/6		06/18/2024 16:51	1	60827_006.D	RTX-624 0.32(mm)
IC 200-205411/7		06/18/2024 17:43	1	60827_007.D	RTX-624 0.32(mm)
ICIS 200-205411/8		06/18/2024 18:35	1	60827_008.D	RTX-624 0.32(mm)
IC 200-205411/9		06/18/2024 19:27	1	60827_009.D	RTX-624 0.32(mm)
IC 200-205411/12		06/18/2024 22:04	1	60827_012.D	RTX-624 0.32(mm)
IC 200-205411/13		06/18/2024 22:56	1	60827_013.D	RTX-624 0.32(mm)
ICV 200-205411/16		06/19/2024 01:33	1	60827_016.D	RTX-624 0.32(mm)
ZZZZZ		06/19/2024 02:25	1		RTX-624 0.32(mm)
ZZZZZ		06/19/2024 03:17	1		RTX-624 0.32(mm)
ZZZZZ		06/19/2024 04:09	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74575-1

SDG No.:

Instrument ID: CHAM.i Start Date: 08/02/2024 07:31

Analysis Batch Number: 207101 End Date: 08/03/2024 01:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-207101/1		08/02/2024 07:31	1	61451_001.D	RTX-624 0.32(mm)
CCVIS 200-207101/3		08/02/2024 09:12	1	61451_003.D	RTX-624 0.32(mm)
LCS 200-207101/4		08/02/2024 10:04	1	61451_004.D	RTX-624 0.32(mm)
MB 200-207101/6		08/02/2024 11:49	1	61451_006.D	RTX-624 0.32(mm)
ZZZZZ		08/02/2024 12:42	1		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 13:34	1		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 14:27	1		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 15:20	2		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 16:13	2		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 17:06	38.5		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 17:59	45.8		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 18:52	29.4		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 19:45	31.6		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 20:47	0.2		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 21:49	0.2		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 22:51	0.2		RTX-624 0.32(mm)
200-74575-6	2615	08/02/2024 23:53	0.2	61451_019.D	RTX-624 0.32(mm)
ZZZZZ		08/03/2024 00:55	0.2		RTX-624 0.32(mm)
ZZZZZ		08/03/2024 01:56	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Instrument ID: CHAM.i Start Date: 06/18/2024 12:34

Analysis Batch Number: 205411 End Date: 06/19/2024 04:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-205411/1		06/18/2024 12:34	1	60827_001.D	RTX-624 0.32(mm)
IC 200-205411/4		06/18/2024 15:07	1	60827_004.D	RTX-624 0.32(mm)
IC 200-205411/5		06/18/2024 15:59	1	60827_005.D	RTX-624 0.32(mm)
IC 200-205411/6		06/18/2024 16:51	1	60827_006.D	RTX-624 0.32(mm)
IC 200-205411/7		06/18/2024 17:43	1	60827_007.D	RTX-624 0.32(mm)
ICIS 200-205411/8		06/18/2024 18:35	1	60827_008.D	RTX-624 0.32(mm)
IC 200-205411/9		06/18/2024 19:27	1	60827_009.D	RTX-624 0.32(mm)
IC 200-205411/12		06/18/2024 22:04	1	60827_012.D	RTX-624 0.32(mm)
IC 200-205411/13		06/18/2024 22:56	1	60827_013.D	RTX-624 0.32(mm)
ICV 200-205411/16		06/19/2024 01:33	1	60827_016.D	RTX-624 0.32(mm)
ZZZZZ		06/19/2024 02:25	1		RTX-624 0.32(mm)
ZZZZZ		06/19/2024 03:17	1		RTX-624 0.32(mm)
ZZZZZ		06/19/2024 04:09	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74590-1

SDG No.:

Instrument ID: CHAM.i Start Date: 08/02/2024 07:31

Analysis Batch Number: 207101 End Date: 08/03/2024 01:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-207101/1		08/02/2024 07:31	1	61451_001.D	RTX-624 0.32(mm)
CCVIS 200-207101/3		08/02/2024 09:12	1	61451_003.D	RTX-624 0.32(mm)
LCS 200-207101/4		08/02/2024 10:04	1	61451_004.D	RTX-624 0.32(mm)
MB 200-207101/6		08/02/2024 11:49	1	61451_006.D	RTX-624 0.32(mm)
ZZZZZ		08/02/2024 12:42	1		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 13:34	1		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 14:27	1		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 15:20	2		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 16:13	2		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 17:06	38.5		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 17:59	45.8		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 18:52	29.4		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 19:45	31.6		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 20:47	0.2		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 21:49	0.2		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 22:51	0.2		RTX-624 0.32(mm)
ZZZZZ		08/02/2024 23:53	0.2		RTX-624 0.32(mm)
ZZZZZ		08/03/2024 00:55	0.2		RTX-624 0.32(mm)
200-74590-6	5409	08/03/2024 01:56	0.2	61451_021.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Instrument ID: CHX.i Start Date: 07/31/2024 14:07

Analysis Batch Number: 207028 End Date: 08/01/2024 13:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-207028/1		07/31/2024 14:07	1	61427-01.D	RTX-624 0.32(mm)
IC 200-207028/4		07/31/2024 16:56	1	61427-04.D	RTX-624 0.32(mm)
IC 200-207028/7		07/31/2024 19:45	1	61427-07.D	RTX-624 0.32(mm)
ICIS 200-207028/8		07/31/2024 20:41	1	61427-08.D	RTX-624 0.32(mm)
IC 200-207028/9		07/31/2024 21:37	1	61427-09.D	RTX-624 0.32(mm)
IC 200-207028/12		08/01/2024 00:27	1	61427-12.D	RTX-624 0.32(mm)
IC 200-207028/13		08/01/2024 01:23	1	61427-13.D	RTX-624 0.32(mm)
ZZZZZ		08/01/2024 03:16	1		RTX-624 0.32(mm)
IC 200-207028/21		08/01/2024 10:29	1	61427-21.D	RTX-624 0.32(mm)
IC 200-207028/22		08/01/2024 11:24	1	61427-22.D	RTX-624 0.32(mm)
ICV 200-207028/23		08/01/2024 13:10	1	61427-23.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74672-1

SDG No.:

Instrument ID: CHX.i Start Date: 08/09/2024 07:28

Analysis Batch Number: 207356 End Date: 08/10/2024 06:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-207356/1		08/09/2024 07:28	1	61545-01.D	RTX-624 0.32(mm)
CCVIS 200-207356/2		08/09/2024 08:25	1	61545-02.D	RTX-624 0.32(mm)
LCS 200-207356/3		08/09/2024 09:21	1	61545-03.D	RTX-624 0.32(mm)
MB 200-207356/4		08/09/2024 10:17	1	61545-04.D	RTX-624 0.32(mm)
200-74672-9	2553	08/09/2024 12:23	0.2	61545-06.D	RTX-624 0.32(mm)
ZZZZZ		08/09/2024 13:21	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 14:18	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 15:15	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 16:12	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 17:09	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 18:11	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 19:09	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 20:05	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 21:02	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 21:59	1		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 22:55	10		RTX-624 0.32(mm)
ZZZZZ		08/09/2024 23:51	10		RTX-624 0.32(mm)
ZZZZZ		08/10/2024 00:47	10		RTX-624 0.32(mm)
ZZZZZ		08/10/2024 01:44	6.14		RTX-624 0.32(mm)
ZZZZZ		08/10/2024 02:38	2.98		RTX-624 0.32(mm)
ZZZZZ		08/10/2024 03:34	50		RTX-624 0.32(mm)
ZZZZZ		08/10/2024 04:31	1		RTX-624 0.32(mm)
ZZZZZ		08/10/2024 05:25	2.98		RTX-624 0.32(mm)
ZZZZZ		08/10/2024 06:21	15		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Instrument ID: CHAN.i Start Date: 08/12/2024 12:16

Analysis Batch Number: 207426 End Date: 08/13/2024 04:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-207426/1		08/12/2024 12:16	1	61568_001.D	RTX-624 0.32(mm)
IC 200-207426/4		08/12/2024 14:43	1	61568_004.D	RTX-624 0.32(mm)
IC 200-207426/6		08/12/2024 16:26	1	61568_006.D	RTX-624 0.32(mm)
ZZZZZ		08/12/2024 16:26	1		RTX-624 0.32(mm)
IC 200-207426/7		08/12/2024 17:17	1	61568_007.D	RTX-624 0.32(mm)
ZZZZZ		08/12/2024 17:17	1		RTX-624 0.32(mm)
IC 200-207426/8		08/12/2024 18:09	1	61568_008.D	RTX-624 0.32(mm)
ZZZZZ		08/12/2024 18:09	1		RTX-624 0.32(mm)
ICIS 200-207426/9		08/12/2024 19:01	1	61568_009.D	RTX-624 0.32(mm)
IC 200-207426/10		08/12/2024 19:52	1	61568_010.D	RTX-624 0.32(mm)
IC 200-207426/13		08/12/2024 22:28	1	61568_013.D	RTX-624 0.32(mm)
IC 200-207426/14		08/12/2024 23:20	1	61568_014.D	RTX-624 0.32(mm)
ICV 200-207426/17		08/13/2024 01:54	1	61568_017.D	RTX-624 0.32(mm)
ZZZZZ		08/13/2024 04:29	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 200-74702-1

SDG No.:

Instrument ID: CHAN.i Start Date: 08/13/2024 10:32

Analysis Batch Number: 207469 End Date: 08/14/2024 05:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-207469/1		08/13/2024 10:32	1	61584_001.D	RTX-624 0.32(mm)
CCVIS 200-207469/2		08/13/2024 11:13	1	61584_002.D	RTX-624 0.32(mm)
LCS 200-207469/3		08/13/2024 12:07	1	61584_003.D	RTX-624 0.32(mm)
MB 200-207469/4		08/13/2024 12:58	1	61584_004.D	RTX-624 0.32(mm)
200-74702-10	6020	08/13/2024 14:00	0.2	61584_005.D	RTX-624 0.32(mm)
ZZZZZ		08/13/2024 16:36	10		RTX-624 0.32(mm)
ZZZZZ		08/13/2024 17:28	10		RTX-624 0.32(mm)
ZZZZZ		08/13/2024 18:20	10		RTX-624 0.32(mm)
ZZZZZ		08/13/2024 19:12	10		RTX-624 0.32(mm)
ZZZZZ		08/13/2024 20:05	1		RTX-624 0.32(mm)
ZZZZZ		08/13/2024 20:57	1		RTX-624 0.32(mm)
ZZZZZ		08/13/2024 21:49	10		RTX-624 0.32(mm)
ZZZZZ		08/13/2024 22:41	10		RTX-624 0.32(mm)
ZZZZZ		08/13/2024 23:33	10		RTX-624 0.32(mm)
ZZZZZ		08/14/2024 00:24	10		RTX-624 0.32(mm)
ZZZZZ		08/14/2024 01:16	1		RTX-624 0.32(mm)
ZZZZZ		08/14/2024 02:08	10		RTX-624 0.32(mm)
ZZZZZ		08/14/2024 03:00	10		RTX-624 0.32(mm)
ZZZZZ		08/14/2024 03:52	10		RTX-624 0.32(mm)
ZZZZZ		08/14/2024 04:44	10		RTX-624 0.32(mm)
ZZZZZ		08/14/2024 05:35	1		RTX-624 0.32(mm)

Shipping and Receiving Documents

NYC '22

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802 660 1990 fax 802.660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc assumes no liability with respect to the collection and shipment of these samples

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TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	Client Project Manager: LAUREN LOVELAND	Samples Collected By: EL	COC No
Company Name: BOUX	Phone: 631-697-2773		1 of 1 COCs
Address: 209 SHAFTER ST	Email: LLOVELAND@BOUXENG.COM		TALS Project #:
City/State/Zip: ISLANDIA, NY 11749			For Lab Use Only:
Phone: 631- [redacted] 697-2773	Site Contact: EMERY LOVELAND		Walk-in Client:
FAX	Tel/Fax		Lab Sampling
Project Name: 2838 W 28TH ST	Analysis Turnaround Time		Job / SDG No
Site/Location: "	Standard (Specific): STANDARD		(See below for Add'l Items)
P O #	Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
PXSV-8	9/13/24	0847	9/13/24	1047	-30	-5	4734	6394	X														STANDARD TO15
PXSV-2		0851		1051	-30	-8	6228	2540	X														
PXSV-9		0855		1053	-30	-5	8818	5448	X														
PXSV-6		0857		1055	-24	-4	4045	2134	X														
PXSV-4		0900		1100	-30	-8	4490	3210	X														
PXSV-7		0903		1103	-30	-10	3133	4267	X														
PXSV-3		0907		1100	-30	-3	6156	34001143	X														
PXSV-5		0909		1109	-30	-8	4058	5714	X														
PXSV-1		0912		1112	-30	-10	3440	34001246	X														
DUP-09132024		1200		1400	-30	-6	4164	3012	X														

200-75119 Chain of Custody

Temperature (Fahrenheit)			
Start	Interior	Ambient 74 F	
Stop		78 F	

Pressure (inches of Hg)			
Start	Interior	Ambient 30.25	
Stop		30.26	

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date / Time: 9/13/24	Samples Received by: 9/13/24 1430
Samples Relinquished by: EL	Date / Time: 9/13/24 1440	Received by: ETA Burl 9/14/24 0930
Relinquished by:	Date / Time:	Received by:
Lab Use Only: Shipper Name:	Opened by:	Condition:

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

ORIGIN ID:AIVA (646) 630-1481
AJAY SINGH

4732 32ND PLACE
SUITE 1141
LONG ISLAND CITY, NY 11101
UNITED STATES US

SHIP DATE 13SEP24
ACTWGT 40.00 LB
CAD 112977992/INET4535

BILL RECIPIENT

TO **SAMPLING RECEIVING BVT**
TESTAMERICA
530 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 923-1026 REF
INV
PO. DEPT.

583J/2/4EF9/9AE3

FedEx Express

J243024071301uv

2 of 3

MPS# 0263 **7785 8015 8554**
Mstr# **7785 8015 8543**

X0 BTVA

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

05403
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AJAY SINGH

4732 32ND PLACE
SUITE 1141
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UNITED STATES US

SHIP DATE 13SEP24
ACTWGT 40 00 LB
CAD 112977992/INET4535

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583J/2/4EF9/9AE3

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J243024071301uv

3 of 3

MPS# 0263 **7785 8015 8565**
Mstr# **7785 8015 8543**

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PRIORITY OVERNIGHT

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AJAY SINGH

4732 32ND PLACE
SUITE 1141
LONG ISLAND CITY, NY 11101
UNITED STATES US

SHIP DATE: 13SEP24
ACTWGT: 20.00 LB
CAD: 112977992/INET4535

BILL RECIPIENT

TO **SAMPLING RECEIVING BVT**
TESTAMERICA
530 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 923-1026 REF
INV
PO DEPT.

583J2/4EF9/9AE3

FedEx Express

J24302407130tuv

SATURDAY 12:00P
PRIORITY OVERNIGHT

1 of 3
TRK# **7785 8015 8543**
0201
MASTER

X0 BTVA

05403
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Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 200-75119-1

Login Number: 75119
List Number: 1
Creator: Khudaier, Zahraa

List Source: Eurofins Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Julia Michaels
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 10/16/2024 3:24:25 PM Revision 1

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311096-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Job Notes

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

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

Compliance Statement

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

Authorization

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Revision 1

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

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-311096-1

REVISION

The report being provided is a revision of the original report sent on 9/18/2024. The report (revision 1) is being revised due to Correcting compound list to Part 375 only..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/10/2024 6:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

Receipt Exceptions
Per laboratory policy, the trip blank date/time was changed to reflect the latest date/time in the sampling event.

The following sample was received outside of holding time for Hexavalent Chromium: FB_09092024 (460-311096-5).

Method 8260D - Volatile Organic Compounds by GC/MS
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), FB_09092024 (460-311096-5), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11), DUP_09092024 (460-311096-12) and TB_09092024 (460-311096-13) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 9/10/2024 and analyzed on 9/12/2024 and 9/13/2024.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-995611 recovered outside control limits for the following analytes: Bromoform, Carbon tetrachloride and Dibromochloromethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-995611 recovered above the upper control limit for 1,1,1-Trichloroethane, Bromoform, 1,1,2-Trichloro-1,2,2-trifluoroethane and Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-995292 recovered above the upper control limit for Bromoform and Methyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-995292 recovered outside control limits for the following analytes: Bromoform, Methyl acetate and Chloroethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), FB_09092024 (460-311096-5), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11) and DUP_09092024 (460-311096-12) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 9/11/2024 and 9/12/2024 and analyzed on 9/12/2024 and 9/13/2024.

Sample RXSB-9_4-6 (460-311096-11)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) analyzed in batch 460-995535 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane] and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-995383 was outside the method criteria for the following analyte(s): Benzaldehyde and Hexachlorocyclopentadiene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-995338 and analytical batch 460-995383 recovered outside control limits for the following analytes: 2,4-Dimethylphenol, 2,6-Dinitrotoluene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene and Hexachlorocyclopentadiene. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been flagged and reported.

The continuing calibration verification (CCV) analyzed in batch 460-995400 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane], 4-Nitrophenol, Benzaldehyde, Bis(2-chloroethyl)ether, Caprolactam, Di-n-octyl phthalate and N-Nitrosodi-n-propylamine. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-995337 and analytical batch 460-995400 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), FB_09092024 (460-311096-5), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11) and DUP_09092024 (460-311096-12) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 9/11/2024 and analyzed on 9/12/2024.

CCV1268 is outside control limits in the secondary column. There sample has been reported from the other column

(CCV 460-995378/20)

Method 8081B - Organochlorine Pesticides (GC)
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), FB_09092024 (460-311096-5), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11) and DUP_09092024 (460-311096-12) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 9/11/2024 and analyzed on 9/12/2024.

The continuing calibration verification (CCV) associated with batch 460-995374 recovered below the lower control limit for Methoxychlor on the secondary column.
The CCV at the reporting limits was analyzed and the affected analyte was detected therefore the data is reported. Methoxychlor was within control limits on the primary column (CCVIS 460-995374/3).

The %RPD between the primary and confirmation column exceeded 40% for cis-Chlordane for the following samples: RXSB-5_4-6 (460-311096-2) and RXSB-3_0-2 (460-311096-6). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 6020B - Metals (ICP/MS)
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11) and DUP_09092024 (460-311096-12) were analyzed for Metals (ICP/MS). The samples were prepared and analyzed on 9/11/2024.

Method 6020B - Metals (ICP/MS) - Total Recoverable
Sample FB_09092024 (460-311096-5) was analyzed for Metals (ICP/MS) - Total Recoverable. The sample was prepared on 9/11/2024 and analyzed on 9/12/2024.

Method 7470A - Mercury (CVAA)
Sample FB_09092024 (460-311096-5) was analyzed for Mercury (CVAA). The sample was prepared and analyzed on 9/11/2024.

Method 7471B - Mercury (CVAA)
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11) and DUP_09092024 (460-311096-12) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 9/13/2024 and 9/16/2024.

Method 7196A - Chromium, Hexavalent
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), FB_09092024 (460-311096-5), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11) and DUP_09092024 (460-311096-12) were analyzed for Chromium, Hexavalent. The samples were prepared on 9/17/2024 and analyzed on 9/11/2024 and 9/17/2024.

Method 7196A - Chromium, Trivalent (Colorimetric)
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), FB_09092024 (460-311096-5), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11) and DUP_09092024 (460-311096-12) were analyzed for Chromium, Trivalent (Colorimetric). The samples were analyzed on 9/12/2024 and 9/17/2024.

Method 9012B - Cyanide, Total andor Amenable
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), FB_09092024 (460-311096-5), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11) and DUP_09092024 (460-311096-12) were analyzed for Cyanide, Total andor Amenable. The samples were prepared and analyzed on 9/15/2024.

Method Moisture - Percent Moisture
Samples RXSB-5_0-2 (460-311096-1), RXSB-5_4-6 (460-311096-2), RXSB-10_0-2 (460-311096-3), RXSB-10_4-6 (460-311096-4), RXSB-3_0-2 (460-311096-6), RXSB-3_4-6 (460-311096-7), RXSB-8_0-2 (460-311096-8), RXSB-8_4-6 (460-311096-9), RXSB-9_0-2 (460-311096-10), RXSB-9_4-6 (460-311096-11) and DUP_09092024 (460-311096-12) were analyzed for Percent Moisture. The samples were analyzed on 9/10/2024.

Client Sample ID: RXSB-5_0-2
Lab Sample ID: 460-311096-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.035	J	0.34	0.0098	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.077	J	0.34	0.0099	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.13	J	0.34	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.58		0.034	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.62		0.034	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.79		0.034	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.47	*	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.38	*	0.034	0.0068	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.65		0.34	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.099		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.021	J	0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.3		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.035	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.46		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.017	J	0.34	0.0060	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.65		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.1		0.34	0.0086	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0040	J	0.0070	0.00083	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0063	J	0.0070	0.0013	mg/Kg	1	☼	8081B	Total/NA
Arsenic	3.3		0.99	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	230		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.11	J	0.40	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.78	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	9.3		2.0	0.90	mg/Kg	1	☼	6020B	Total/NA
Copper	26.9		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Lead	316		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Manganese	177		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	10.7		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.17	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.11	J	0.40	0.088	mg/Kg	1	☼	6020B	Total/NA
Zinc	334		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.15		0.018	0.0084	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	9.3		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.13	J	0.20	0.11	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-5_4-6
Lab Sample ID: 460-311096-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.022		0.0071	0.0068	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.081	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.19	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.50		0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.9		0.035	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	2.0		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	2.5		0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1.4	*	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1.1	*	0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.9		0.35	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.32		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.076	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	4.0		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-5_4-6 (Continued)
Lab Sample ID: 460-311096-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.13	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.4		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.040	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	2.4		0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	3.5		0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDD	0.066		0.0071	0.0012	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDE	0.021		0.0071	0.00084	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.011		0.0071	0.0013	mg/Kg	1	☼	8081B	Total/NA
Chlordane (technical)	0.093		0.071	0.017	mg/Kg	1	☼	8081B	Total/NA
cis-Chlordane	0.016	p	0.0071	0.0011	mg/Kg	1	☼	8081B	Total/NA
Arsenic	2.3		0.98	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	786		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.20	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.51	J	0.98	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	19.6		2.0	0.89	mg/Kg	1	☼	6020B	Total/NA
Copper	18.6		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Lead	724		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Manganese	122		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	18.2		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.13	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.090	J	0.39	0.087	mg/Kg	1	☼	6020B	Total/NA
Zinc	493		7.8	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.19		0.016	0.0077	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	19.6		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.83		0.21	0.11	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-10_0-2
Lab Sample ID: 460-311096-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00055	J	0.0012	0.00028	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.076	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.18	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.41		0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	2.9		0.034	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	3.0		0.034	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	3.9		0.034	0.0088	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	2.0	*	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1.8	*	0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Chrysene	2.9		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.49		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.043	J	0.34	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	5.8		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.067	J	0.34	0.0099	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	2.1		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.030	J	0.34	0.0059	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	2.2		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	5.0		0.34	0.0084	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDT	0.0026	J	0.0069	0.0013	mg/Kg	1	☼	8081B	Total/NA
Arsenic	2.7		0.92	0.095	mg/Kg	1	☼	6020B	Total/NA
Barium	292		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.13	J	0.37	0.052	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-10_0-2 (Continued)
Lab Sample ID: 460-311096-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.44	J	0.92	0.10	mg/Kg	1	☼	6020B	Total/NA
Chromium	8.1		1.8	0.84	mg/Kg	1	☼	6020B	Total/NA
Copper	16.4		1.8	0.34	mg/Kg	1	☼	6020B	Total/NA
Lead	1320		0.55	0.18	mg/Kg	1	☼	6020B	Total/NA
Manganese	98.0		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.8		1.8	0.43	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.16	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	0.37	0.082	mg/Kg	1	☼	6020B	Total/NA
Zinc	230		7.4	2.8	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.17		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	8.1		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.14	J	0.21	0.11	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-10_4-6
Lab Sample ID: 460-311096-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.018	J	0.34	0.0096	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.062	J	0.34	0.0096	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.076	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.24		0.034	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.30		0.034	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.37		0.034	0.0087	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.25	J *	0.34	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.14	*	0.034	0.0066	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.26	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.029	J	0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.013	J	0.34	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.55		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.021	J	0.34	0.0099	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.25		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.012	J	0.34	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.31	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.46		0.34	0.0084	mg/Kg	1	☼	8270E	Total/NA
Arsenic	2.9		0.95	0.098	mg/Kg	1	☼	6020B	Total/NA
Barium	122		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.12	J	0.38	0.054	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.32	J	0.95	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.3		1.9	0.86	mg/Kg	1	☼	6020B	Total/NA
Copper	12.3		1.9	0.35	mg/Kg	1	☼	6020B	Total/NA
Lead	111		0.57	0.19	mg/Kg	1	☼	6020B	Total/NA
Manganese	60.6		3.8	0.38	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.8		1.9	0.45	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.15	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Zinc	99.3		7.6	2.9	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.049		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	11.3		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.24		0.21	0.12	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: FB_09092024
Lab Sample ID: 460-311096-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-3_0-2
Lab Sample ID: 460-311096-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00082	J	0.0011	0.00026	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.051	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.17	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.24	J	0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.3		0.039	0.029	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.4		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.9		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1.1	*	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.69	*	0.039	0.0076	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.3		0.39	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.14		0.039	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.026	J	0.39	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	2.4		0.39	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.044	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.96		0.039	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.038	J	0.39	0.0067	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.1		0.39	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	2.3		0.39	0.0096	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0030	J	0.0078	0.00092	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0046	J	0.0078	0.0014	mg/Kg	1	☼	8081B	Total/NA
cis-Chlordane	0.0035	J p	0.0078	0.0012	mg/Kg	1	☼	8081B	Total/NA
Arsenic	6.5		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	628		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.41	J	0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Cadmium	1.1		1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Chromium	17.0		2.2	1.0	mg/Kg	1	☼	6020B	Total/NA
Copper	36.9		2.2	0.41	mg/Kg	1	☼	6020B	Total/NA
Lead	585		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Manganese	215		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	22.8		2.2	0.52	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.30	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.14	J	0.44	0.098	mg/Kg	1	☼	6020B	Total/NA
Zinc	459		8.8	3.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.19		0.020	0.0094	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	17.0		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.26		0.23	0.13	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-3_4-6
Lab Sample ID: 460-311096-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.093	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.25	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.36		0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.8		0.035	0.027	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	2.0		0.035	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	2.5		0.035	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.86	*	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1.2	*	0.035	0.0069	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.8		0.35	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.24		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.080	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-3_4-6 (Continued)
Lab Sample ID: 460-311096-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	4.1		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.11	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.0		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.061	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	2.2		0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	3.4		0.35	0.0088	mg/Kg	1	☼	8270E	Total/NA
Arsenic	4.5		0.98	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	448		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.21	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	1.0		0.98	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	10.6		2.0	0.89	mg/Kg	1	☼	6020B	Total/NA
Copper	73.8		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Lead	634		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Manganese	117		3.9	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.2		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.48	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.18	J	0.39	0.087	mg/Kg	1	☼	6020B	Total/NA
Zinc	503		7.8	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.13		0.016	0.0075	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	10.6		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.33		0.23	0.13	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-8_0-2
Lab Sample ID: 460-311096-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.027	J	0.34	0.0096	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.12	J	0.34	0.0096	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.16	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.80		0.034	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.85		0.034	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.1		0.034	0.0087	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.43	*	0.34	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.52	*	0.034	0.0066	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.88		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.083		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.037	J	0.34	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.6		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.038	J	0.34	0.0099	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.53		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.026	J	0.34	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.92		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.3		0.34	0.0084	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0041	J	0.0068	0.00081	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0034	J	0.0068	0.0013	mg/Kg	1	☼	8081B	Total/NA
Arsenic	3.6		0.99	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	388		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.12	J	0.40	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.65	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	8.0		2.0	0.90	mg/Kg	1	☼	6020B	Total/NA
Copper	31.0		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Lead	370		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-8_0-2 (Continued)
Lab Sample ID: 460-311096-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	62.1		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	8.1		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.29	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.14	J	0.40	0.088	mg/Kg	1	☼	6020B	Total/NA
Zinc	318		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.38		0.016	0.0077	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	8.0		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.38		0.19	0.10	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-8_4-6
Lab Sample ID: 460-311096-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.021	J	0.34	0.0096	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.034	J	0.34	0.0096	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.063	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.27		0.034	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.28		0.034	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.35		0.034	0.0087	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.18	J *	0.34	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.14	*	0.034	0.0066	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.31	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.039		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.56		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.018	J	0.34	0.0098	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.19		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.014	J	0.34	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.31	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.55		0.34	0.0084	mg/Kg	1	☼	8270E	Total/NA
Arsenic	1.4		0.92	0.095	mg/Kg	1	☼	6020B	Total/NA
Barium	323		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.42	J	0.92	0.10	mg/Kg	1	☼	6020B	Total/NA
Chromium	4.4		1.8	0.84	mg/Kg	1	☼	6020B	Total/NA
Copper	13.6		1.8	0.34	mg/Kg	1	☼	6020B	Total/NA
Lead	320		0.55	0.18	mg/Kg	1	☼	6020B	Total/NA
Manganese	30.3		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	2.9		1.8	0.43	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.14	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.092	J	0.37	0.082	mg/Kg	1	☼	6020B	Total/NA
Zinc	262		7.4	2.8	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.064		0.015	0.0072	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	4.4		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.19	J	0.24	0.13	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-9_0-2
Lab Sample ID: 460-311096-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.050	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.16	J	0.33	0.0096	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.19	J	0.33	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.0		0.033	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.1		0.033	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.5		0.033	0.0087	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-9_0-2 (Continued)
Lab Sample ID: 460-311096-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.64	*	0.33	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.74	*	0.033	0.0066	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.2		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.18		0.033	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.026	J	0.33	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.9		0.33	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.047	J	0.33	0.0098	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.74		0.033	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.023	J	0.33	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.77		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.6		0.33	0.0083	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0099		0.0068	0.00080	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.012		0.0068	0.0013	mg/Kg	1	☼	8081B	Total/NA
Arsenic	3.2		0.90	0.093	mg/Kg	1	☼	6020B	Total/NA
Barium	357		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.13	J	0.36	0.051	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.83	J	0.90	0.10	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.4		1.8	0.82	mg/Kg	1	☼	6020B	Total/NA
Copper	35.1		1.8	0.33	mg/Kg	1	☼	6020B	Total/NA
Lead	449		0.54	0.18	mg/Kg	1	☼	6020B	Total/NA
Manganese	74.6		3.6	0.36	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.8		1.8	0.42	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.28	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.26	J	0.36	0.080	mg/Kg	1	☼	6020B	Total/NA
Zinc	385		7.2	2.7	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.37		0.017	0.0081	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	11.4		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.20		0.18	0.10	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-9_4-6
Lab Sample ID: 460-311096-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.20	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.55		0.33	0.0096	mg/Kg	1	☼	8270E	Total/NA
Anthracene	1.2		0.33	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	5.6		0.033	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	5.1		0.033	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	7.0		0.033	0.0086	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	2.7		0.33	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	2.5		0.033	0.0066	mg/Kg	1	☼	8270E	Total/NA
Chrysene	5.6		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.81		0.033	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.19	J	0.33	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.27	J	0.33	0.0098	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	3.0		0.033	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.075	J	0.33	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	6.1		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene - DL	13		1.7	0.058	mg/Kg	5	☼	8270E	Total/NA
Pyrene - DL	11		1.7	0.042	mg/Kg	5	☼	8270E	Total/NA
4,4'-DDD	0.012		0.0068	0.0011	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDE	0.0073		0.0068	0.00080	mg/Kg	1	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-9_4-6 (Continued) — Lab Sample ID: 460-311096-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.022		0.0068	0.0012	mg/Kg	1	☼	8081B	Total/NA
Arsenic	3.3		0.92	0.095	mg/Kg	1	☼	6020B	Total/NA
Barium	462		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.21	J	0.37	0.053	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.77	J	0.92	0.10	mg/Kg	1	☼	6020B	Total/NA
Chromium	14.1		1.8	0.84	mg/Kg	1	☼	6020B	Total/NA
Copper	48.2		1.8	0.34	mg/Kg	1	☼	6020B	Total/NA
Lead	633		0.55	0.18	mg/Kg	1	☼	6020B	Total/NA
Manganese	107		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	14.8		1.8	0.43	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.28	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.18	J	0.37	0.082	mg/Kg	1	☼	6020B	Total/NA
Zinc	379		7.4	2.8	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.27		0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	14.1		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.21		0.20	0.11	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: DUP_09092024 — Lab Sample ID: 460-311096-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00080	J	0.0011	0.00026	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.017	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.031	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.060	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.31		0.034	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.33		0.034	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.43		0.034	0.0088	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.17	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.14		0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.30	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.047		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.59		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.014	J	0.34	0.0099	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.18		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.27	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.56		0.34	0.0085	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0027	J	0.0069	0.00081	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0036	J	0.0069	0.0013	mg/Kg	1	☼	8081B	Total/NA
Arsenic	2.1		0.90	0.092	mg/Kg	1	☼	6020B	Total/NA
Barium	187		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.12	J	0.36	0.051	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.47	J	0.90	0.10	mg/Kg	1	☼	6020B	Total/NA
Chromium	7.3		1.8	0.81	mg/Kg	1	☼	6020B	Total/NA
Copper	18.0		1.8	0.33	mg/Kg	1	☼	6020B	Total/NA
Lead	259		0.54	0.18	mg/Kg	1	☼	6020B	Total/NA
Manganese	68.2		3.6	0.36	mg/Kg	1	☼	6020B	Total/NA
Nickel	6.4		1.8	0.42	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.17	J	1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Silver	0.12	J	0.36	0.080	mg/Kg	1	☼	6020B	Total/NA
Zinc	209		7.2	2.7	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.16		0.016	0.0075	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP_09092024 (Continued)
Lab Sample ID: 460-311096-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	7.3		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.11	J	0.21	0.11	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: TB_09092024
Lab Sample ID: 460-311096-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.51	J	1.0	0.32	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-5_0-2
Date Collected: 09/09/24 08:55
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-1
Matrix: Solid
Percent Solids: 95.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Acetone	0.0072	U	0.0072	0.0069	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	09/10/24 23:00	09/12/24 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*	*09/10/24 23:00*	*09/12/24 02:48*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*09/10/24 23:00*	*09/12/24 02:48*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*09/10/24 23:00*	*09/12/24 02:48*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*09/10/24 23:00*	*09/12/24 02:48*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
3 & 4 Methylphenol	0.34	U	0.34	0.022	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Acenaphthene	**0.035**	**J**	0.34	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Acenaphthylene	**0.077**	**J**	0.34	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Anthracene	**0.13**	**J**	0.34	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Benzo[a]anthracene	**0.58**		0.034	0.026	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Benzo[a]pyrene	**0.62**		0.034	0.0092	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Benzo[b]fluoranthene	**0.79**		0.034	0.0089	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Benzo[g,h,i]perylene	**0.47**	*	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1

Client Sample ID: RXSB-5_0-2
Date Collected: 09/09/24 08:55
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-1
Matrix: Solid
Percent Solids: 95.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**0.38**	*	0.034	0.0068	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Chrysene	**0.65**		0.34	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Dibenz(a,h)anthracene	**0.099**		0.034	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Dibenzofuran	**0.021**	J	0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Fluoranthene	**1.3**		0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Fluorene	**0.035**	J	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Indeno[1,2,3-cd]pyrene	**0.46**		0.034	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Naphthalene	**0.017**	J	0.34	0.0060	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Phenanthrene	**0.65**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1
Pyrene	**1.1**		0.34	0.0086	mg/Kg	☼	09/11/24 20:46	09/12/24 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*09/11/24 20:46*	*09/12/24 07:15*	*1*
2-Fluorobiphenyl	*97*		*38 - 128*	*09/11/24 20:46*	*09/12/24 07:15*	*1*
2-Fluorophenol (Surr)	*96*		*31 - 133*	*09/11/24 20:46*	*09/12/24 07:15*	*1*
Nitrobenzene-d5 (Surr)	*97*		*31 - 120*	*09/11/24 20:46*	*09/12/24 07:15*	*1*
Phenol-d5 (Surr)	*101*		*35 - 132*	*09/11/24 20:46*	*09/12/24 07:15*	*1*
Terphenyl-d14 (Surr)	*101*		*44 - 147*	*09/11/24 20:46*	*09/12/24 07:15*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0070	U	0.0070	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
4,4'-DDE	**0.0040**	J	0.0070	0.00083	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
4,4'-DDT	**0.0063**	J	0.0070	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Aldrin	0.0070	U	0.0070	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
alpha-BHC	0.0021	U	0.0021	0.00071	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
beta-BHC	0.0021	U	0.0021	0.00078	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Chlordane (technical)	0.070	U	0.070	0.017	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
cis-Chlordane	0.0070	U	0.0070	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Dieldrin	0.0021	U	0.0021	0.00091	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Endosulfan I	0.0070	U	0.0070	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Endosulfan II	0.0070	U	0.0070	0.0018	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Endosulfan sulfate	0.0070	U	0.0070	0.00088	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Endrin	0.0070	U	0.0070	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Endrin aldehyde	0.0070	U	0.0070	0.0017	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Endrin ketone	0.0070	U	0.0070	0.0014	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Heptachlor	0.0070	U	0.0070	0.00083	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Heptachlor epoxide	0.0070	U	0.0070	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Methoxychlor	0.0070	U	0.0070	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1
Toxaphene	0.070	U	0.070	0.025	mg/Kg	☼	09/11/24 16:56	09/12/24 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*17 - 150*	*09/11/24 16:56*	*09/12/24 05:29*	*1*
DCB Decachlorobiphenyl	*50*		*17 - 150*	*09/11/24 16:56*	*09/12/24 05:29*	*1*
Tetrachloro-m-xylene	*38*		*21 - 150*	*09/11/24 16:56*	*09/12/24 05:29*	*1*

Client Sample ID: RXSB-5_0-2

Date Collected: 09/09/24 08:55
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-1

Matrix: Solid
Percent Solids: 95.3

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*39*		*21 - 150*	*09/11/24 16:56*	*09/12/24 05:29*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1
Aroclor 1221	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1
Aroclor 1232	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1
Aroclor 1242	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1
Aroclor 1248	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1
Aroclor 1254	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1
Aroclor 1260	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1
Aroclor-1262	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1
Aroclor 1268	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1
Polychlorinated biphenyls, Total	0.070	U	0.070	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*35*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:02*	*1*
DCB Decachlorobiphenyl	*28*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:02*	*1*
Tetrachloro-m-xylene	*26*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:02*	*1*
Tetrachloro-m-xylene	*26*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:02*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.3**		0.99	0.10	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Barium	**230**		2.0	0.14	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Beryllium	**0.11**	**J**	0.40	0.056	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Cadmium	**0.78**	**J**	0.99	0.11	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Chromium	**9.3**		2.0	0.90	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Copper	**26.9**		2.0	0.36	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Lead	**316**		0.59	0.20	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Manganese	**177**		4.0	0.40	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Nickel	**10.7**		2.0	0.47	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Selenium	**0.17**	**J**	1.2	0.13	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Silver	**0.11**	**J**	0.40	0.088	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1
Zinc	**334**		7.9	3.0	mg/Kg	☼	09/11/24 07:50	09/11/24 20:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**		0.018	0.0084	mg/Kg	☼	09/13/24 01:13	09/13/24 06:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**9.3**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.1	U	2.1	0.88	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.13**	**J**	0.20	0.11	mg/Kg	☼	09/15/24 14:31	09/15/24 17:16	1
Percent Moisture (EPA Moisture)	**4.7**		1.0	1.0	%			09/10/24 21:00	1
Percent Solids (EPA Moisture)	**95.3**		1.0	1.0	%			09/10/24 21:00	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-5_4-6
Date Collected: 09/09/24 09:30
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-2
Matrix: Solid
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
2-Butanone (MEK)	0.0059	U	0.0059	0.00044	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Acetone	**0.022**		0.0071	0.0068	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00061	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
sec-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Vinyl chloride	0.0012	U	0.0012	0.00065	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	09/10/24 23:01	09/12/24 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*09/10/24 23:01*	*09/12/24 03:12*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*09/10/24 23:01*	*09/12/24 03:12*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*09/10/24 23:01*	*09/12/24 03:12*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*09/10/24 23:01*	*09/12/24 03:12*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Acenaphthene	**0.081**	**J**	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Acenaphthylene	**0.19**	**J**	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Anthracene	**0.50**		0.35	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Benzo[a]anthracene	**1.9**		0.035	0.026	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Benzo[a]pyrene	**2.0**		0.035	0.0093	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Benzo[b]fluoranthene	**2.5**		0.035	0.0091	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Benzo[g,h,i]perylene	**1.4**	*	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1

Client Sample ID: RXSB-5_4-6
Date Collected: 09/09/24 09:30
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-2
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**1.1**	*	0.035	0.0069	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Chrysene	**1.9**		0.35	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Dibenz(a,h)anthracene	**0.32**		0.035	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Dibenzofuran	**0.076**	J	0.35	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Fluoranthene	**4.0**		0.35	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Fluorene	**0.13**	J	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Indeno[1,2,3-cd]pyrene	**1.4**		0.035	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Naphthalene	**0.040**	J	0.35	0.0061	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Phenanthrene	**2.4**		0.35	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1
Pyrene	**3.5**		0.35	0.0087	mg/Kg	☼	09/11/24 20:46	09/12/24 07:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*24 - 137*	*09/11/24 20:46*	*09/12/24 07:33*	*1*
2-Fluorobiphenyl	*91*		*38 - 128*	*09/11/24 20:46*	*09/12/24 07:33*	*1*
2-Fluorophenol (Surr)	*91*		*31 - 133*	*09/11/24 20:46*	*09/12/24 07:33*	*1*
Nitrobenzene-d5 (Surr)	*92*		*31 - 120*	*09/11/24 20:46*	*09/12/24 07:33*	*1*
Phenol-d5 (Surr)	*95*		*35 - 132*	*09/11/24 20:46*	*09/12/24 07:33*	*1*
Terphenyl-d14 (Surr)	*96*		*44 - 147*	*09/11/24 20:46*	*09/12/24 07:33*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.066**		0.0071	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
4,4'-DDE	**0.021**		0.0071	0.00084	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
4,4'-DDT	**0.011**		0.0071	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Chlordane (technical)	**0.093**		0.071	0.017	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
cis-Chlordane	**0.016**	p	0.0071	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	09/11/24 16:56	09/12/24 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*17 - 150*	*09/11/24 16:56*	*09/12/24 05:42*	*1*
DCB Decachlorobiphenyl	*53*		*17 - 150*	*09/11/24 16:56*	*09/12/24 05:42*	*1*
Tetrachloro-m-xylene	*41*		*21 - 150*	*09/11/24 16:56*	*09/12/24 05:42*	*1*

Client Sample ID: RXSB-5_4-6
Date Collected: 09/09/24 09:30
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-2
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*42*		*21 - 150*	*09/11/24 16:56*	*09/12/24 05:42*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:19*	*1*
DCB Decachlorobiphenyl	*36*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:19*	*1*
Tetrachloro-m-xylene	*31*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:19*	*1*
Tetrachloro-m-xylene	*31*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:19*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.3**		0.98	0.10	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Barium	**786**		2.0	0.14	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Beryllium	**0.20**	**J**	0.39	0.056	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Cadmium	**0.51**	**J**	0.98	0.11	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Chromium	**19.6**		2.0	0.89	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Copper	**18.6**		2.0	0.36	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Lead	**724**		0.59	0.20	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Manganese	**122**		3.9	0.39	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Nickel	**18.2**		2.0	0.46	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Selenium	**0.13**	**J**	1.2	0.12	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Silver	**0.090**	**J**	0.39	0.087	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1
Zinc	**493**		7.8	3.0	mg/Kg	☼	09/11/24 07:50	09/11/24 20:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**		0.016	0.0077	mg/Kg	☼	09/13/24 01:13	09/13/24 06:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**19.6**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.1	U	2.1	0.90	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.83**		0.21	0.11	mg/Kg	☼	09/15/24 14:31	09/15/24 17:17	1
Percent Moisture (EPA Moisture)	**6.0**		1.0	1.0	%			09/10/24 21:00	1
Percent Solids (EPA Moisture)	**94.0**		1.0	1.0	%			09/10/24 21:00	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-10_0-2
Date Collected: 09/09/24 10:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-3
Matrix: Solid
Percent Solids: 97.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Acetone	0.0072	U	0.0072	0.0069	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00061	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Toluene	**0.00055**	**J**	0.0012	0.00028	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Vinyl chloride	0.0012	U	0.0012	0.00065	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	09/10/24 23:02	09/12/24 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*	*09/10/24 23:02*	*09/12/24 03:37*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*09/10/24 23:02*	*09/12/24 03:37*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*09/10/24 23:02*	*09/12/24 03:37*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*09/10/24 23:02*	*09/12/24 03:37*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Acenaphthene	**0.076**	**J**	0.34	0.0097	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Acenaphthylene	**0.18**	**J**	0.34	0.0097	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Anthracene	**0.41**		0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Benzo[a]anthracene	**2.9**		0.034	0.026	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Benzo[a]pyrene	**3.0**		0.034	0.0090	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Benzo[b]fluoranthene	**3.9**		0.034	0.0088	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Benzo[g,h,i]perylene	**2.0**	*	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1

Client Sample ID: RXSB-10_0-2
Date Collected: 09/09/24 10:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-3
Matrix: Solid
Percent Solids: 97.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**1.8**	*	0.034	0.0067	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Chrysene	**2.9**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Dibenz(a,h)anthracene	**0.49**		0.034	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Dibenzofuran	**0.043**	J	0.34	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Fluoranthene	**5.8**		0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Fluorene	**0.067**	J	0.34	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Indeno[1,2,3-cd]pyrene	**2.1**		0.034	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Naphthalene	**0.030**	J	0.34	0.0059	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Phenanthrene	**2.2**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1
Pyrene	**5.0**		0.34	0.0084	mg/Kg	☼	09/11/24 20:46	09/12/24 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*09/11/24 20:46*	*09/12/24 07:50*	*1*
2-Fluorobiphenyl	*95*		*38 - 128*	*09/11/24 20:46*	*09/12/24 07:50*	*1*
2-Fluorophenol (Surr)	*95*		*31 - 133*	*09/11/24 20:46*	*09/12/24 07:50*	*1*
Nitrobenzene-d5 (Surr)	*97*		*31 - 120*	*09/11/24 20:46*	*09/12/24 07:50*	*1*
Phenol-d5 (Surr)	*100*		*35 - 132*	*09/11/24 20:46*	*09/12/24 07:50*	*1*
Terphenyl-d14 (Surr)	*99*		*44 - 147*	*09/11/24 20:46*	*09/12/24 07:50*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
4,4'-DDE	0.0069	U	0.0069	0.00081	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
4,4'-DDT	**0.0026**	J	0.0069	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
beta-BHC	0.0021	U	0.0021	0.00077	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Dieldrin	0.0021	U	0.0021	0.00089	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Endosulfan I	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Endosulfan sulfate	0.0069	U	0.0069	0.00086	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Heptachlor	0.0069	U	0.0069	0.00081	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	09/11/24 16:56	09/12/24 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*17 - 150*	*09/11/24 16:56*	*09/12/24 05:55*	*1*
DCB Decachlorobiphenyl	*73*		*17 - 150*	*09/11/24 16:56*	*09/12/24 05:55*	*1*
Tetrachloro-m-xylene	*61*		*21 - 150*	*09/11/24 16:56*	*09/12/24 05:55*	*1*

Client Sample ID: RXSB-10_0-2
Date Collected: 09/09/24 10:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-3
Matrix: Solid
Percent Solids: 97.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*21 - 150*	*09/11/24 16:56*	*09/12/24 05:55*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:36*	*1*
DCB Decachlorobiphenyl	*42*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:36*	*1*
Tetrachloro-m-xylene	*44*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:36*	*1*
Tetrachloro-m-xylene	*44*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:36*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**		0.92	0.095	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Barium	**292**		1.8	0.13	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Beryllium	**0.13**	**J**	0.37	0.052	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Cadmium	**0.44**	**J**	0.92	0.10	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Chromium	**8.1**		1.8	0.84	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Copper	**16.4**		1.8	0.34	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Lead	**1320**		0.55	0.18	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Manganese	**98.0**		3.7	0.37	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Nickel	**7.8**		1.8	0.43	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Selenium	**0.16**	**J**	1.2	0.12	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Silver	**0.13**	**J**	0.37	0.082	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1
Zinc	**230**		7.4	2.8	mg/Kg	☼	09/11/24 07:50	09/11/24 20:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.17**		0.017	0.0079	mg/Kg	☼	09/13/24 01:13	09/13/24 06:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**8.1**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.86	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.14**	**J**	0.21	0.11	mg/Kg	☼	09/15/24 14:31	09/15/24 17:17	1
Percent Moisture (EPA Moisture)	**3.0**		1.0	1.0	%			09/10/24 21:00	1
Percent Solids (EPA Moisture)	**97.0**		1.0	1.0	%			09/10/24 21:00	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-10_4-6
Date Collected: 09/09/24 10:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-4
Matrix: Solid
Percent Solids: 97.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
2-Butanone (MEK)	0.0059	U	0.0059	0.00043	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Acetone	0.0071	U	0.0071	0.0067	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
sec-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	09/10/24 23:03	09/12/24 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*09/10/24 23:03*	*09/12/24 04:02*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*	*09/10/24 23:03*	*09/12/24 04:02*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*09/10/24 23:03*	*09/12/24 04:02*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*09/10/24 23:03*	*09/12/24 04:02*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Acenaphthene	**0.018**	**J**	0.34	0.0096	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Acenaphthylene	**0.062**	**J**	0.34	0.0096	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Anthracene	**0.076**	**J**	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Benzo[a]anthracene	**0.24**		0.034	0.025	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Benzo[a]pyrene	**0.30**		0.034	0.0090	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Benzo[b]fluoranthene	**0.37**		0.034	0.0087	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Benzo[g,h,i]perylene	**0.25**	**J ***	0.34	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1

Client Sample ID: RXSB-10_4-6
Date Collected: 09/09/24 10:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-4
Matrix: Solid
Percent Solids: 97.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**0.14**	*	0.034	0.0066	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Chrysene	**0.26**	J	0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Dibenz(a,h)anthracene	**0.029**	J	0.034	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Dibenzofuran	**0.013**	J	0.34	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Fluoranthene	**0.55**		0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Fluorene	**0.021**	J	0.34	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Indeno[1,2,3-cd]pyrene	**0.25**		0.034	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Naphthalene	**0.012**	J	0.34	0.0058	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Pentachlorophenol	0.27	U	0.27	0.069	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Phenanthrene	**0.31**	J	0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1
Pyrene	**0.46**		0.34	0.0084	mg/Kg	☼	09/11/24 20:46	09/12/24 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*24 - 137*	*09/11/24 20:46*	*09/12/24 08:42*	*1*
2-Fluorobiphenyl	*96*		*38 - 128*	*09/11/24 20:46*	*09/12/24 08:42*	*1*
2-Fluorophenol (Surr)	*96*		*31 - 133*	*09/11/24 20:46*	*09/12/24 08:42*	*1*
Nitrobenzene-d5 (Surr)	*98*		*31 - 120*	*09/11/24 20:46*	*09/12/24 08:42*	*1*
Phenol-d5 (Surr)	*100*		*35 - 132*	*09/11/24 20:46*	*09/12/24 08:42*	*1*
Terphenyl-d14 (Surr)	*98*		*44 - 147*	*09/11/24 20:46*	*09/12/24 08:42*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
4,4'-DDE	0.0069	U	0.0069	0.00081	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
4,4'-DDT	0.0069	U	0.0069	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
alpha-BHC	0.0020	U	0.0020	0.00070	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
beta-BHC	0.0020	U	0.0020	0.00077	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
delta-BHC	0.0020	U	0.0020	0.00042	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Dieldrin	0.0020	U	0.0020	0.00089	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Endosulfan I	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Endosulfan sulfate	0.0069	U	0.0069	0.00086	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Endrin	0.0069	U	0.0069	0.00098	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00063	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Heptachlor	0.0069	U	0.0069	0.00081	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	09/11/24 16:56	09/12/24 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*17 - 150*	*09/11/24 16:56*	*09/12/24 06:08*	*1*
DCB Decachlorobiphenyl	*81*		*17 - 150*	*09/11/24 16:56*	*09/12/24 06:08*	*1*
Tetrachloro-m-xylene	*66*		*21 - 150*	*09/11/24 16:56*	*09/12/24 06:08*	*1*

Client Sample ID: RXSB-10_4-6
Date Collected: 09/09/24 10:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-4
Matrix: Solid
Percent Solids: 97.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*21 - 150*	*09/11/24 16:56*	*09/12/24 06:08*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:52*	*1*
DCB Decachlorobiphenyl	*43*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:52*	*1*
Tetrachloro-m-xylene	*49*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:52*	*1*
Tetrachloro-m-xylene	*47*		*20 - 150*	*09/11/24 16:52*	*09/12/24 00:52*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.9**		0.95	0.098	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Barium	**122**		1.9	0.14	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Beryllium	**0.12**	**J**	0.38	0.054	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Cadmium	**0.32**	**J**	0.95	0.11	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Chromium	**11.3**		1.9	0.86	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Copper	**12.3**		1.9	0.35	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Lead	**111**		0.57	0.19	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Manganese	**60.6**		3.8	0.38	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Nickel	**7.8**		1.9	0.45	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Selenium	**0.15**	**J**	1.2	0.12	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Silver	0.38	U	0.38	0.084	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1
Zinc	**99.3**		7.6	2.9	mg/Kg	☼	09/11/24 07:50	09/11/24 20:48	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.049**		0.017	0.0079	mg/Kg	☼	09/13/24 01:13	09/13/24 06:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**11.3**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.85	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.24**		0.21	0.12	mg/Kg	☼	09/15/24 14:31	09/15/24 17:22	1
Percent Moisture (EPA Moisture)	**2.3**		1.0	1.0	%			09/10/24 21:00	1
Percent Solids (EPA Moisture)	**97.7**		1.0	1.0	%			09/10/24 21:00	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: FB_09092024
Date Collected: 09/09/24 11:35
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/13/24 08:57	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/13/24 08:57	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/13/24 08:57	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 08:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/13/24 08:57	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/13/24 08:57	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/13/24 08:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/13/24 08:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/13/24 08:57	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/13/24 08:57	1
Acetone	5.0	U	5.0	4.4	ug/L			09/13/24 08:57	1
Benzene	1.0	U	1.0	0.20	ug/L			09/13/24 08:57	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/13/24 08:57	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/13/24 08:57	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/13/24 08:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/13/24 08:57	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/13/24 08:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/13/24 08:57	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/13/24 08:57	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/13/24 08:57	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 08:57	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 08:57	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/13/24 08:57	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 08:57	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/13/24 08:57	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/13/24 08:57	1
Toluene	1.0	U	1.0	0.38	ug/L			09/13/24 08:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/13/24 08:57	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/13/24 08:57	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/13/24 08:57	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/13/24 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*		*09/13/24 08:57*	*1*
4-Bromofluorobenzene	*98*		*76 - 120*		*09/13/24 08:57*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 132*		*09/13/24 08:57*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/13/24 08:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/12/24 12:22	09/13/24 03:43	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/12/24 12:22	09/13/24 03:43	1
Acenaphthene	10	U	10	1.1	ug/L		09/12/24 12:22	09/13/24 03:43	1
Acenaphthylene	10	U	10	0.82	ug/L		09/12/24 12:22	09/13/24 03:43	1
Anthracene	10	U	10	1.3	ug/L		09/12/24 12:22	09/13/24 03:43	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/12/24 12:22	09/13/24 03:43	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/12/24 12:22	09/13/24 03:43	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/12/24 12:22	09/13/24 03:43	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/12/24 12:22	09/13/24 03:43	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/12/24 12:22	09/13/24 03:43	1

Client Sample ID: FB_09092024
Lab Sample ID: 460-311096-5
Date Collected: 09/09/24 11:35
Matrix: Water
Date Received: 09/10/24 18:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	2.0	U	2.0	0.91	ug/L		09/12/24 12:22	09/13/24 03:43	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/12/24 12:22	09/13/24 03:43	1
Dibenzofuran	10	U	10	1.1	ug/L		09/12/24 12:22	09/13/24 03:43	1
Fluoranthene	10	U	10	0.84	ug/L		09/12/24 12:22	09/13/24 03:43	1
Fluorene	10	U	10	0.91	ug/L		09/12/24 12:22	09/13/24 03:43	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/12/24 12:22	09/13/24 03:43	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/12/24 12:22	09/13/24 03:43	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/12/24 12:22	09/13/24 03:43	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/12/24 12:22	09/13/24 03:43	1
Phenanthrene	10	U	10	1.3	ug/L		09/12/24 12:22	09/13/24 03:43	1
Phenol	10	U	10	0.29	ug/L		09/12/24 12:22	09/13/24 03:43	1
Pyrene	10	U	10	1.6	ug/L		09/12/24 12:22	09/13/24 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*114*		*37 - 150*	*09/12/24 12:22*	*09/13/24 03:43*	*1*
2-Fluorobiphenyl	*105*		*46 - 139*	*09/12/24 12:22*	*09/13/24 03:43*	*1*
2-Fluorophenol (Surr)	*56*		*16 - 80*	*09/12/24 12:22*	*09/13/24 03:43*	*1*
Nitrobenzene-d5 (Surr)	*107*		*51 - 145*	*09/12/24 12:22*	*09/13/24 03:43*	*1*
Phenol-d5 (Surr)	*36*		*10 - 56*	*09/12/24 12:22*	*09/13/24 03:43*	*1*
Terphenyl-d14 (Surr)	*79*		*13 - 159*	*09/12/24 12:22*	*09/13/24 03:43*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 05:03	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 05:03	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 05:03	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 05:03	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/11/24 20:10	09/12/24 05:03	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/11/24 20:10	09/12/24 05:03	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/11/24 20:10	09/12/24 05:03	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 05:03	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 05:03	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 05:03	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 05:03	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 05:03	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 05:03	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 05:03	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 05:03	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 05:03	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/11/24 20:10	09/12/24 05:03	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 05:03	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 05:03	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 05:03	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/11/24 20:10	09/12/24 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*30 - 131*	*09/11/24 20:10*	*09/12/24 05:03*	*1*
DCB Decachlorobiphenyl	*93*		*30 - 131*	*09/11/24 20:10*	*09/12/24 05:03*	*1*
Tetrachloro-m-xylene	*83*		*34 - 120*	*09/11/24 20:10*	*09/12/24 05:03*	*1*
Tetrachloro-m-xylene	*81*		*34 - 120*	*09/11/24 20:10*	*09/12/24 05:03*	*1*

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311096-1
Project/Site: 2828 W 28th Street

Client Sample ID: FB_09092024
Lab Sample ID: 460-311096-5
Date Collected: 09/09/24 11:35
Matrix: Water
Date Received: 09/10/24 18:30

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 07:41	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 07:41	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 07:41	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 07:41	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 07:41	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 07:41	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 07:41	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 07:41	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 07:41	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*18 - 145*	*09/11/24 20:11*	*09/12/24 07:41*	*1*
DCB Decachlorobiphenyl	*68*		*18 - 145*	*09/11/24 20:11*	*09/12/24 07:41*	*1*
Tetrachloro-m-xylene	*67*		*21 - 124*	*09/11/24 20:11*	*09/12/24 07:41*	*1*
Tetrachloro-m-xylene	*71*		*21 - 124*	*09/11/24 20:11*	*09/12/24 07:41*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		09/11/24 18:55	09/12/24 13:40	1
Barium	4.0	U	4.0	0.93	ug/L		09/11/24 18:55	09/12/24 13:40	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/11/24 18:55	09/12/24 13:40	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/11/24 18:55	09/12/24 13:40	1
Chromium	4.0	U	4.0	1.7	ug/L		09/11/24 18:55	09/12/24 13:40	1
Copper	4.0	U	4.0	2.0	ug/L		09/11/24 18:55	09/12/24 13:40	1
Lead	1.2	U	1.2	0.42	ug/L		09/11/24 18:55	09/12/24 13:40	1
Manganese	8.0	U	8.0	0.84	ug/L		09/11/24 18:55	09/12/24 13:40	1
Nickel	4.0	U	4.0	1.4	ug/L		09/11/24 18:55	09/12/24 13:40	1
Selenium	2.5	U	2.5	0.43	ug/L		09/11/24 18:55	09/12/24 13:40	1
Silver	2.0	U	2.0	1.3	ug/L		09/11/24 18:55	09/12/24 13:40	1
Zinc	16.0	U	16.0	4.2	ug/L		09/11/24 18:55	09/12/24 13:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/11/24 12:35	09/11/24 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/17/24 17:04	1
Cr (VI) (SW846 7196A)	10.0	U H	10.0	8.1	ug/L			09/11/24 08:40	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/15/24 16:08	09/15/24 18:26	1

Client Sample ID: RXSB-3_0-2
Lab Sample ID: 460-311096-6
Date Collected: 09/09/24 12:25
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-3_0-2
Date Collected: 09/09/24 12:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-6
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Toluene	**0.00082**	**J**	0.0011	0.00026	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	09/10/24 23:04	09/12/24 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*09/10/24 23:04*	*09/12/24 04:27*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*09/10/24 23:04*	*09/12/24 04:27*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*09/10/24 23:04*	*09/12/24 04:27*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*09/10/24 23:04*	*09/12/24 04:27*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
2-Methylphenol	0.39	U	0.39	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
3 & 4 Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Acenaphthene	**0.051**	**J**	0.39	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Acenaphthylene	**0.17**	**J**	0.39	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Anthracene	**0.24**	**J**	0.39	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Benzo[a]anthracene	**1.3**		0.039	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Benzo[a]pyrene	**1.4**		0.039	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Benzo[b]fluoranthene	**1.9**		0.039	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Benzo[g,h,i]perylene	**1.1**	*	0.39	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Benzo[k]fluoranthene	**0.69**	*	0.039	0.0076	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Chrysene	**1.3**		0.39	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Dibenz(a,h)anthracene	**0.14**		0.039	0.017	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1

Client Sample ID: RXSB-3_0-2
Date Collected: 09/09/24 12:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-6
Matrix: Solid
Percent Solids: 85.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**0.026**	**J**	0.39	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Fluoranthene	**2.4**		0.39	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Fluorene	**0.044**	**J**	0.39	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Indeno[1,2,3-cd]pyrene	**0.96**		0.039	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Naphthalene	**0.038**	**J**	0.39	0.0067	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Phenanthrene	**1.1**		0.39	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1
Pyrene	**2.3**		0.39	0.0096	mg/Kg	☼	09/11/24 20:46	09/12/24 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 137*	*09/11/24 20:46*	*09/12/24 08:25*	*1*
2-Fluorobiphenyl	*96*		*38 - 128*	*09/11/24 20:46*	*09/12/24 08:25*	*1*
2-Fluorophenol (Surr)	*96*		*31 - 133*	*09/11/24 20:46*	*09/12/24 08:25*	*1*
Nitrobenzene-d5 (Surr)	*97*		*31 - 120*	*09/11/24 20:46*	*09/12/24 08:25*	*1*
Phenol-d5 (Surr)	*101*		*35 - 132*	*09/11/24 20:46*	*09/12/24 08:25*	*1*
Terphenyl-d14 (Surr)	*97*		*44 - 147*	*09/11/24 20:46*	*09/12/24 08:25*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0078	U	0.0078	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
4,4'-DDE	**0.0030**	**J**	0.0078	0.00092	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
4,4'-DDT	**0.0046**	**J**	0.0078	0.0014	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Aldrin	0.0078	U	0.0078	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
alpha-BHC	0.0023	U	0.0023	0.00079	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
beta-BHC	0.0023	U	0.0023	0.00088	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Chlordane (technical)	0.078	U	0.078	0.019	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
cis-Chlordane	**0.0035**	**J p**	0.0078	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Endosulfan I	0.0078	U	0.0078	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Endosulfan II	0.0078	U	0.0078	0.0020	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Endosulfan sulfate	0.0078	U	0.0078	0.00098	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Endrin	0.0078	U	0.0078	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Endrin aldehyde	0.0078	U	0.0078	0.0018	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Endrin ketone	0.0078	U	0.0078	0.0015	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Heptachlor	0.0078	U	0.0078	0.00092	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Heptachlor epoxide	0.0078	U	0.0078	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Methoxychlor	0.0078	U	0.0078	0.0018	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1
Toxaphene	0.078	U	0.078	0.028	mg/Kg	☼	09/11/24 16:56	09/12/24 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*17 - 150*	*09/11/24 16:56*	*09/12/24 06:21*	*1*
DCB Decachlorobiphenyl	*54*		*17 - 150*	*09/11/24 16:56*	*09/12/24 06:21*	*1*
Tetrachloro-m-xylene	*43*		*21 - 150*	*09/11/24 16:56*	*09/12/24 06:21*	*1*
Tetrachloro-m-xylene	*44*		*21 - 150*	*09/11/24 16:56*	*09/12/24 06:21*	*1*

Client Sample ID: RXSB-3_0-2
Lab Sample ID: 460-311096-6
Date Collected: 09/09/24 12:25
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 85.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1
Aroclor 1221	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1
Aroclor 1232	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1
Aroclor 1242	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1
Aroclor 1248	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1
Aroclor 1254	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1
Aroclor 1260	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1
Aroclor-1262	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1
Aroclor 1268	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1
Polychlorinated biphenyls, Total	0.078	U	0.078	0.021	mg/Kg	☼	09/11/24 16:52	09/12/24 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*42*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:09*	*1*
DCB Decachlorobiphenyl	*34*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:09*	*1*
Tetrachloro-m-xylene	*32*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:09*	*1*
Tetrachloro-m-xylene	*32*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:09*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.5**		1.1	0.11	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Barium	**628**		2.2	0.16	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Beryllium	**0.41**	**J**	0.44	0.063	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Cadmium	**1.1**		1.1	0.12	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Chromium	**17.0**		2.2	1.0	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Copper	**36.9**		2.2	0.41	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Lead	**585**		0.66	0.22	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Manganese	**215**		4.4	0.44	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Nickel	**22.8**		2.2	0.52	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Selenium	**0.30**	**J**	1.4	0.14	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Silver	**0.14**	**J**	0.44	0.098	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1
Zinc	**459**		8.8	3.4	mg/Kg	☼	09/11/24 07:50	09/11/24 20:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**		0.020	0.0094	mg/Kg	☼	09/13/24 01:13	09/13/24 06:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**17.0**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.3	U	2.3	0.97	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.26**		0.23	0.13	mg/Kg	☼	09/15/24 14:31	09/15/24 17:23	1
Percent Moisture (EPA Moisture)	**14.5**		1.0	1.0	%			09/10/24 21:01	1
Percent Solids (EPA Moisture)	**85.5**		1.0	1.0	%			09/10/24 21:01	1

Client Sample ID: RXSB-3_4-6
Lab Sample ID: 460-311096-7
Date Collected: 09/09/24 12:30
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-3_4-6
Date Collected: 09/09/24 12:30
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-7
Matrix: Solid
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00039	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00046	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
2-Butanone (MEK)	0.0062	U	0.0062	0.00046	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Acetone	0.0075	U	0.0075	0.0071	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Benzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Carbon tetrachloride	0.0012	U	0.0012	0.00048	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Chlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00045	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Ethylbenzene	0.0012	U	0.0012	0.00025	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00064	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00022	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
n-Butylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
N-Propylbenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
o-Xylene	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
sec-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
tert-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Tetrachloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00031	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Trichloroethene	0.0012	U	0.0012	0.00040	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Vinyl chloride	0.0012	U	0.0012	0.00068	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	09/10/24 23:05	09/12/24 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*09/10/24 23:05*	*09/12/24 04:52*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*09/10/24 23:05*	*09/12/24 04:52*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*09/10/24 23:05*	*09/12/24 04:52*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*09/10/24 23:05*	*09/12/24 04:52*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Acenaphthene	**0.093**	**J**	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Acenaphthylene	**0.25**	**J**	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Anthracene	**0.36**		0.35	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Benzo[a]anthracene	**1.8**		0.035	0.027	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Benzo[a]pyrene	**2.0**		0.035	0.0094	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Benzo[b]fluoranthene	**2.5**		0.035	0.0091	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Benzo[g,h,i]perylene	**0.86**	*	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Benzo[k]fluoranthene	**1.2**	*	0.035	0.0069	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1

Client Sample ID: RXSB-3_4-6
Lab Sample ID: 460-311096-7
Date Collected: 09/09/24 12:30
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 93.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**1.8**		0.35	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Dibenz(a,h)anthracene	**0.24**		0.035	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Dibenzofuran	**0.080**	**J**	0.35	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Fluoranthene	**4.1**		0.35	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Fluorene	**0.11**	**J**	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Indeno[1,2,3-cd]pyrene	**1.0**		0.035	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Naphthalene	**0.061**	**J**	0.35	0.0061	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Phenanthrene	**2.2**		0.35	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1
Pyrene	**3.4**		0.35	0.0088	mg/Kg	☼	09/11/24 20:46	09/12/24 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 137*	*09/11/24 20:46*	*09/12/24 09:17*	*1*
2-Fluorobiphenyl	*94*		*38 - 128*	*09/11/24 20:46*	*09/12/24 09:17*	*1*
2-Fluorophenol (Surr)	*93*		*31 - 133*	*09/11/24 20:46*	*09/12/24 09:17*	*1*
Nitrobenzene-d5 (Surr)	*97*		*31 - 120*	*09/11/24 20:46*	*09/12/24 09:17*	*1*
Phenol-d5 (Surr)	*97*		*35 - 132*	*09/11/24 20:46*	*09/12/24 09:17*	*1*
Terphenyl-d14 (Surr)	*93*		*44 - 147*	*09/11/24 20:46*	*09/12/24 09:17*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
4,4'-DDE	0.0072	U	0.0072	0.00084	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
alpha-BHC	0.0021	U	0.0021	0.00073	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Heptachlor	0.0072	U	0.0072	0.00084	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	09/11/24 16:56	09/12/24 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*17 - 150*	*09/11/24 16:56*	*09/12/24 06:34*	*1*
DCB Decachlorobiphenyl	*59*		*17 - 150*	*09/11/24 16:56*	*09/12/24 06:34*	*1*
Tetrachloro-m-xylene	*45*		*21 - 150*	*09/11/24 16:56*	*09/12/24 06:34*	*1*
Tetrachloro-m-xylene	*47*		*21 - 150*	*09/11/24 16:56*	*09/12/24 06:34*	*1*

Client Sample ID: RXSB-3_4-6
Lab Sample ID: 460-311096-7
Date Collected: 09/09/24 12:30
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 93.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1
Aroclor 1260	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.019	mg/Kg	☼	09/11/24 16:52	09/12/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:25*	*1*
DCB Decachlorobiphenyl	*34*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:25*	*1*
Tetrachloro-m-xylene	*33*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:25*	*1*
Tetrachloro-m-xylene	*32*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:25*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.5**		0.98	0.10	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Barium	**448**		2.0	0.14	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Beryllium	**0.21**	**J**	0.39	0.056	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Cadmium	**1.0**		0.98	0.11	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Chromium	**10.6**		2.0	0.89	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Copper	**73.8**		2.0	0.36	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Lead	**634**		0.59	0.20	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Manganese	**117**		3.9	0.40	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Nickel	**12.2**		2.0	0.46	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Selenium	**0.48**	**J**	1.2	0.13	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Silver	**0.18**	**J**	0.39	0.087	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1
Zinc	**503**		7.8	3.0	mg/Kg	☼	09/11/24 07:50	09/11/24 20:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.016	0.0075	mg/Kg	☼	09/16/24 00:42	09/16/24 04:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**10.6**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.1	U	2.1	0.88	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.33**		0.23	0.13	mg/Kg	☼	09/15/24 14:31	09/15/24 17:24	1
Percent Moisture (EPA Moisture)	**6.5**		1.0	1.0	%			09/10/24 21:01	1
Percent Solids (EPA Moisture)	**93.5**		1.0	1.0	%			09/10/24 21:01	1

Client Sample ID: RXSB-8_0-2
Lab Sample ID: 460-311096-8
Date Collected: 09/09/24 13:20
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 97.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-8_0-2
Date Collected: 09/09/24 13:20
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-8
Matrix: Solid
Percent Solids: 97.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
2-Butanone (MEK)	0.0059	U	0.0059	0.00043	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Acetone	0.0071	U	0.0071	0.0067	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Methylene Chloride	0.0024	U	0.0024	0.0013	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
sec-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	09/10/24 23:06	09/12/24 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*09/10/24 23:06*	*09/12/24 05:16*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*09/10/24 23:06*	*09/12/24 05:16*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*09/10/24 23:06*	*09/12/24 05:16*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*09/10/24 23:06*	*09/12/24 05:16*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Acenaphthene	**0.027**	**J**	0.34	0.0096	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Acenaphthylene	**0.12**	**J**	0.34	0.0096	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Anthracene	**0.16**	**J**	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Benzo[a]anthracene	**0.80**		0.034	0.025	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Benzo[a]pyrene	**0.85**		0.034	0.0090	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Benzo[b]fluoranthene	**1.1**		0.034	0.0087	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Benzo[g,h,i]perylene	**0.43**	*	0.34	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Benzo[k]fluoranthene	**0.52**	*	0.034	0.0066	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1

Client Sample ID: RXSB-8_0-2
Lab Sample ID: 460-311096-8
Date Collected: 09/09/24 13:20
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 97.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**0.88**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Dibenz(a,h)anthracene	**0.083**		0.034	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Dibenzofuran	**0.037**	**J**	0.34	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Fluoranthene	**1.6**		0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Fluorene	**0.038**	**J**	0.34	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Indeno[1,2,3-cd]pyrene	**0.53**		0.034	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Naphthalene	**0.026**	**J**	0.34	0.0058	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Pentachlorophenol	0.27	U	0.27	0.069	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Phenanthrene	**0.92**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1
Pyrene	**1.3**		0.34	0.0084	mg/Kg	☼	09/11/24 20:46	09/12/24 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*24 - 137*	*09/11/24 20:46*	*09/12/24 08:59*	*1*
2-Fluorobiphenyl	*98*		*38 - 128*	*09/11/24 20:46*	*09/12/24 08:59*	*1*
2-Fluorophenol (Surr)	*98*		*31 - 133*	*09/11/24 20:46*	*09/12/24 08:59*	*1*
Nitrobenzene-d5 (Surr)	*99*		*31 - 120*	*09/11/24 20:46*	*09/12/24 08:59*	*1*
Phenol-d5 (Surr)	*102*		*35 - 132*	*09/11/24 20:46*	*09/12/24 08:59*	*1*
Terphenyl-d14 (Surr)	*98*		*44 - 147*	*09/11/24 20:46*	*09/12/24 08:59*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0068	U	0.0068	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
4,4'-DDE	**0.0041**	**J**	0.0068	0.00081	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
4,4'-DDT	**0.0034**	**J**	0.0068	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Chlordane (technical)	0.068	U	0.068	0.017	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
cis-Chlordane	0.0068	U	0.0068	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
delta-BHC	0.0020	U	0.0020	0.00042	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Dieldrin	0.0020	U	0.0020	0.00089	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Endosulfan II	0.0068	U	0.0068	0.0018	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Endosulfan sulfate	0.0068	U	0.0068	0.00086	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Endrin	0.0068	U	0.0068	0.00098	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00063	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Heptachlor	0.0068	U	0.0068	0.00081	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Methoxychlor	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1
Toxaphene	0.068	U	0.068	0.025	mg/Kg	☼	09/11/24 16:56	09/12/24 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*17 - 150*	*09/11/24 16:56*	*09/12/24 06:47*	*1*
DCB Decachlorobiphenyl	*110*		*17 - 150*	*09/11/24 16:56*	*09/12/24 06:47*	*1*
Tetrachloro-m-xylene	*91*		*21 - 150*	*09/11/24 16:56*	*09/12/24 06:47*	*1*
Tetrachloro-m-xylene	*91*		*21 - 150*	*09/11/24 16:56*	*09/12/24 06:47*	*1*

Client Sample ID: RXSB-8_0-2
Lab Sample ID: 460-311096-8
Date Collected: 09/09/24 13:20
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 97.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:42*	*1*
DCB Decachlorobiphenyl	*66*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:42*	*1*
Tetrachloro-m-xylene	*63*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:42*	*1*
Tetrachloro-m-xylene	*65*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:42*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.6**		0.99	0.10	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Barium	**388**		2.0	0.14	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Beryllium	**0.12**	**J**	0.40	0.056	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Cadmium	**0.65**	**J**	0.99	0.11	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Chromium	**8.0**		2.0	0.90	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Copper	**31.0**		2.0	0.36	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Lead	**370**		0.59	0.20	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Manganese	**62.1**		4.0	0.40	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Nickel	**8.1**		2.0	0.47	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Selenium	**0.29**	**J**	1.2	0.13	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Silver	**0.14**	**J**	0.40	0.088	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1
Zinc	**318**		7.9	3.0	mg/Kg	☼	09/11/24 07:50	09/11/24 20:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.38**		0.016	0.0077	mg/Kg	☼	09/16/24 00:42	09/16/24 04:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**8.0**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.84	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.38**		0.19	0.10	mg/Kg	☼	09/15/24 14:31	09/15/24 17:25	1
Percent Moisture (EPA Moisture)	**2.1**		1.0	1.0	%			09/10/24 21:01	1
Percent Solids (EPA Moisture)	**97.9**		1.0	1.0	%			09/10/24 21:01	1

Client Sample ID: RXSB-8_4-6
Lab Sample ID: 460-311096-9
Date Collected: 09/09/24 13:25
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-8_4-6
Date Collected: 09/09/24 13:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-9
Matrix: Solid
Percent Solids: 98.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00042	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
2-Butanone (MEK)	0.0067	U	0.0067	0.00050	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Acetone	0.0081	U	0.0081	0.0077	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Benzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Carbon tetrachloride	0.0013	U	0.0013	0.00052	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Chlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00048	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Ethylbenzene	0.0013	U	0.0013	0.00027	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00069	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
n-Butylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
N-Propylbenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
sec-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
tert-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Tetrachloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Vinyl chloride	0.0013	U	0.0013	0.00073	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1
Xylenes, Total	0.0027	U	0.0027	0.00023	mg/Kg	☼	09/10/24 23:07	09/12/24 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*09/10/24 23:07*	*09/12/24 05:41*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*09/10/24 23:07*	*09/12/24 05:41*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*09/10/24 23:07*	*09/12/24 05:41*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*09/10/24 23:07*	*09/12/24 05:41*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Acenaphthene	**0.021**	**J**	0.34	0.0096	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Acenaphthylene	**0.034**	**J**	0.34	0.0096	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Anthracene	**0.063**	**J**	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Benzo[a]anthracene	**0.27**		0.034	0.025	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Benzo[a]pyrene	**0.28**		0.034	0.0090	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Benzo[b]fluoranthene	**0.35**		0.034	0.0087	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Benzo[g,h,i]perylene	**0.18**	**J ***	0.34	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Benzo[k]fluoranthene	**0.14**	*****	0.034	0.0066	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311096-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-8_4-6
Lab Sample ID: 460-311096-9
Date Collected: 09/09/24 13:25
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**0.31**	**J**	0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Dibenz(a,h)anthracene	**0.039**		0.034	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Fluoranthene	**0.56**		0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Fluorene	**0.018**	**J**	0.34	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Indeno[1,2,3-cd]pyrene	**0.19**		0.034	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Naphthalene	**0.014**	**J**	0.34	0.0058	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Pentachlorophenol	0.27	U	0.27	0.069	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Phenanthrene	**0.31**	**J**	0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1
Pyrene	**0.55**		0.34	0.0084	mg/Kg	☼	09/11/24 20:46	09/12/24 08:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*24 - 137*	*09/11/24 20:46*	*09/12/24 08:07*	*1*
2-Fluorobiphenyl	*93*		*38 - 128*	*09/11/24 20:46*	*09/12/24 08:07*	*1*
2-Fluorophenol (Surr)	*92*		*31 - 133*	*09/11/24 20:46*	*09/12/24 08:07*	*1*
Nitrobenzene-d5 (Surr)	*92*		*31 - 120*	*09/11/24 20:46*	*09/12/24 08:07*	*1*
Phenol-d5 (Surr)	*95*		*35 - 132*	*09/11/24 20:46*	*09/12/24 08:07*	*1*
Terphenyl-d14 (Surr)	*95*		*44 - 147*	*09/11/24 20:46*	*09/12/24 08:07*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0068	U	0.0068	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
4,4'-DDE	0.0068	U	0.0068	0.00080	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
4,4'-DDT	0.0068	U	0.0068	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Chlordane (technical)	0.068	U	0.068	0.016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
cis-Chlordane	0.0068	U	0.0068	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
delta-BHC	0.0020	U	0.0020	0.00042	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Dieldrin	0.0020	U	0.0020	0.00088	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Endosulfan II	0.0068	U	0.0068	0.0017	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Endosulfan sulfate	0.0068	U	0.0068	0.00085	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Endrin	0.0068	U	0.0068	0.00097	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00063	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Heptachlor	0.0068	U	0.0068	0.00080	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Methoxychlor	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1
Toxaphene	0.068	U	0.068	0.025	mg/Kg	☼	09/11/24 16:56	09/12/24 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*17 - 150*	*09/11/24 16:56*	*09/12/24 07:00*	*1*
DCB Decachlorobiphenyl	*61*		*17 - 150*	*09/11/24 16:56*	*09/12/24 07:00*	*1*
Tetrachloro-m-xylene	*47*		*21 - 150*	*09/11/24 16:56*	*09/12/24 07:00*	*1*
Tetrachloro-m-xylene	*49*		*21 - 150*	*09/11/24 16:56*	*09/12/24 07:00*	*1*

Client Sample ID: RXSB-8_4-6
Lab Sample ID: 460-311096-9
Date Collected: 09/09/24 13:25
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:59*	*1*
DCB Decachlorobiphenyl	*33*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:59*	*1*
Tetrachloro-m-xylene	*35*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:59*	*1*
Tetrachloro-m-xylene	*34*		*20 - 150*	*09/11/24 16:52*	*09/12/24 01:59*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.4**		0.92	0.095	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Barium	**323**		1.8	0.13	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Beryllium	0.37	U	0.37	0.053	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Cadmium	**0.42**	**J**	0.92	0.10	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Chromium	**4.4**		1.8	0.84	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Copper	**13.6**		1.8	0.34	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Lead	**320**		0.55	0.18	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Manganese	**30.3**		3.7	0.37	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Nickel	**2.9**		1.8	0.43	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Selenium	**0.14**	**J**	1.2	0.12	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Silver	**0.092**	**J**	0.37	0.082	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1
Zinc	**262**		7.4	2.8	mg/Kg	☼	09/11/24 07:50	09/11/24 20:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.064**		0.015	0.0072	mg/Kg	☼	09/16/24 00:42	09/16/24 04:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**4.4**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.84	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.19**	**J**	0.24	0.13	mg/Kg	☼	09/15/24 14:31	09/15/24 17:26	1
Percent Moisture (EPA Moisture)	**1.7**		1.0	1.0	%			09/10/24 21:01	1
Percent Solids (EPA Moisture)	**98.3**		1.0	1.0	%			09/10/24 21:01	1

Client Sample ID: RXSB-9_0-2
Lab Sample ID: 460-311096-10
Date Collected: 09/09/24 14:05
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1

Client Sample ID: RXSB-9_0-2
Lab Sample ID: 460-311096-10
Date Collected: 09/09/24 14:05
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Acetone	0.0072	U	0.0072	0.0069	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
n-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	09/10/24 23:08	09/12/24 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*09/10/24 23:08*	*09/12/24 06:05*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*	*09/10/24 23:08*	*09/12/24 06:05*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*09/10/24 23:08*	*09/12/24 06:05*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*09/10/24 23:08*	*09/12/24 06:05*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Acenaphthene	**0.050**	**J**	0.33	0.0095	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Acenaphthylene	**0.16**	**J**	0.33	0.0096	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Anthracene	**0.19**	**J**	0.33	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Benzo[a]anthracene	**1.0**		0.033	0.025	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Benzo[a]pyrene	**1.1**		0.033	0.0089	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Benzo[b]fluoranthene	**1.5**		0.033	0.0087	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Benzo[g,h,i]perylene	**0.64**	*	0.33	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Benzo[k]fluoranthene	**0.74**	*	0.033	0.0066	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1

Client Sample ID: RXSB-9_0-2
Lab Sample ID: 460-311096-10
Date Collected: 09/09/24 14:05
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**1.2**		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Dibenz(a,h)anthracene	**0.18**		0.033	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Dibenzofuran	**0.026**	**J**	0.33	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Fluoranthene	**1.9**		0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Fluorene	**0.047**	**J**	0.33	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Indeno[1,2,3-cd]pyrene	**0.74**		0.033	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Naphthalene	**0.023**	**J**	0.33	0.0058	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Pentachlorophenol	0.27	U	0.27	0.069	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Phenanthrene	**0.77**		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1
Pyrene	**1.6**		0.33	0.0083	mg/Kg	☼	09/11/24 20:46	09/12/24 09:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 137*	*09/11/24 20:46*	*09/12/24 09:34*	*1*
2-Fluorobiphenyl	*93*		*38 - 128*	*09/11/24 20:46*	*09/12/24 09:34*	*1*
2-Fluorophenol (Surr)	*89*		*31 - 133*	*09/11/24 20:46*	*09/12/24 09:34*	*1*
Nitrobenzene-d5 (Surr)	*92*		*31 - 120*	*09/11/24 20:46*	*09/12/24 09:34*	*1*
Phenol-d5 (Surr)	*95*		*35 - 132*	*09/11/24 20:46*	*09/12/24 09:34*	*1*
Terphenyl-d14 (Surr)	*95*		*44 - 147*	*09/11/24 20:46*	*09/12/24 09:34*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0068	U	0.0068	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
4,4'-DDE	**0.0099**		0.0068	0.00080	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
4,4'-DDT	**0.012**		0.0068	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Chlordane (technical)	0.068	U	0.068	0.016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
cis-Chlordane	0.0068	U	0.0068	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
delta-BHC	0.0020	U	0.0020	0.00042	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Dieldrin	0.0020	U	0.0020	0.00088	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Endosulfan II	0.0068	U	0.0068	0.0017	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Endosulfan sulfate	0.0068	U	0.0068	0.00085	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Endrin	0.0068	U	0.0068	0.00098	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00063	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Heptachlor	0.0068	U	0.0068	0.00080	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Methoxychlor	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1
Toxaphene	0.068	U	0.068	0.025	mg/Kg	☼	09/11/24 16:56	09/12/24 07:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*17 - 150*	*09/11/24 16:56*	*09/12/24 07:13*	*1*
DCB Decachlorobiphenyl	*76*		*17 - 150*	*09/11/24 16:56*	*09/12/24 07:13*	*1*
Tetrachloro-m-xylene	*52*		*21 - 150*	*09/11/24 16:56*	*09/12/24 07:13*	*1*
Tetrachloro-m-xylene	*53*		*21 - 150*	*09/11/24 16:56*	*09/12/24 07:13*	*1*

Client Sample ID: RXSB-9_0-2
Lab Sample ID: 460-311096-10
Date Collected: 09/09/24 14:05
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:15*	*1*
DCB Decachlorobiphenyl	*46*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:15*	*1*
Tetrachloro-m-xylene	*38*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:15*	*1*
Tetrachloro-m-xylene	*37*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:15*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.2**		0.90	0.093	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Barium	**357**		1.8	0.13	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Beryllium	**0.13**	**J**	0.36	0.051	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Cadmium	**0.83**	**J**	0.90	0.10	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Chromium	**11.4**		1.8	0.82	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Copper	**35.1**		1.8	0.33	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Lead	**449**		0.54	0.18	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Manganese	**74.6**		3.6	0.36	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Nickel	**11.8**		1.8	0.42	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Selenium	**0.28**	**J**	1.1	0.12	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Silver	**0.26**	**J**	0.36	0.080	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1
Zinc	**385**		7.2	2.7	mg/Kg	☼	09/11/24 07:50	09/11/24 21:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.37**		0.017	0.0081	mg/Kg	☼	09/16/24 00:42	09/16/24 04:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**11.4**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.85	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.20**		0.18	0.10	mg/Kg	☼	09/15/24 14:31	09/15/24 17:28	1
Percent Moisture (EPA Moisture)	**1.7**		1.0	1.0	%			09/10/24 21:01	1
Percent Solids (EPA Moisture)	**98.3**		1.0	1.0	%			09/10/24 21:01	1

Client Sample ID: RXSB-9_4-6
Lab Sample ID: 460-311096-11
Date Collected: 09/09/24 14:10
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-9_4-6
Date Collected: 09/09/24 14:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-11
Matrix: Solid
Percent Solids: 98.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00026	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
2-Butanone (MEK)	0.0059	U	0.0059	0.00043	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Acetone	0.0071	U	0.0071	0.0067	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Carbon tetrachloride	0.0012	U	0.0012	0.00045	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Methylene Chloride	0.0024	U	0.0024	0.0013	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00020	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
sec-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
tert-Butylbenzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1
Xylenes, Total	0.0024	U	0.0024	0.00020	mg/Kg	☼	09/10/24 23:09	09/12/24 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*09/10/24 23:09*	*09/12/24 06:29*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*09/10/24 23:09*	*09/12/24 06:29*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*09/10/24 23:09*	*09/12/24 06:29*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*09/10/24 23:09*	*09/12/24 06:29*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Acenaphthene	**0.20**	**J**	0.33	0.0095	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Acenaphthylene	**0.55**		0.33	0.0096	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Anthracene	**1.2**		0.33	0.010	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Benzo[a]anthracene	**5.6**		0.033	0.025	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Benzo[a]pyrene	**5.1**		0.033	0.0089	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Benzo[b]fluoranthene	**7.0**		0.033	0.0086	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Benzo[g,h,i]perylene	**2.7**		0.33	0.0099	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Benzo[k]fluoranthene	**2.5**		0.033	0.0066	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1

Client Sample ID: RXSB-9_4-6
Lab Sample ID: 460-311096-11

Date Collected: 09/09/24 14:10
Matrix: Solid

Date Received: 09/10/24 18:30
Percent Solids: 98.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**5.6**		0.33	0.014	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Dibenz(a,h)anthracene	**0.81**		0.033	0.014	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Dibenzofuran	**0.19**	**J**	0.33	0.011	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Fluorene	**0.27**	**J**	0.33	0.0098	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Indeno[1,2,3-cd]pyrene	**3.0**		0.033	0.013	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Naphthalene	**0.075**	**J**	0.33	0.0058	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Phenanthrene	**6.1**		0.33	0.014	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:42	09/12/24 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 137*	*09/11/24 20:42*	*09/12/24 15:39*	*1*
2-Fluorobiphenyl	*98*		*38 - 128*	*09/11/24 20:42*	*09/12/24 15:39*	*1*
2-Fluorophenol (Surr)	*101*		*31 - 133*	*09/11/24 20:42*	*09/12/24 15:39*	*1*
Nitrobenzene-d5 (Surr)	*99*		*31 - 120*	*09/11/24 20:42*	*09/12/24 15:39*	*1*
Phenol-d5 (Surr)	*102*		*35 - 132*	*09/11/24 20:42*	*09/12/24 15:39*	*1*
Terphenyl-d14 (Surr)	*96*		*44 - 147*	*09/11/24 20:42*	*09/12/24 15:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**13**		1.7	0.058	mg/Kg	☼	09/11/24 20:42	09/12/24 17:11	5
Pyrene	**11**		1.7	0.042	mg/Kg	☼	09/11/24 20:42	09/12/24 17:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*24 - 137*	*09/11/24 20:42*	*09/12/24 17:11*	*5*
2-Fluorobiphenyl	*102*		*38 - 128*	*09/11/24 20:42*	*09/12/24 17:11*	*5*
2-Fluorophenol (Surr)	*100*		*31 - 133*	*09/11/24 20:42*	*09/12/24 17:11*	*5*
Nitrobenzene-d5 (Surr)	*104*		*31 - 120*	*09/11/24 20:42*	*09/12/24 17:11*	*5*
Phenol-d5 (Surr)	*105*		*35 - 132*	*09/11/24 20:42*	*09/12/24 17:11*	*5*
Terphenyl-d14 (Surr)	*105*		*44 - 147*	*09/11/24 20:42*	*09/12/24 17:11*	*5*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.012**		0.0068	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
4,4'-DDE	**0.0073**		0.0068	0.00080	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
4,4'-DDT	**0.022**		0.0068	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Chlordane (technical)	0.068	U	0.068	0.016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
cis-Chlordane	0.0068	U	0.0068	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Dieldrin	0.0020	U	0.0020	0.00088	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Endosulfan II	0.0068	U	0.0068	0.0017	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Endosulfan sulfate	0.0068	U	0.0068	0.00085	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Endrin	0.0068	U	0.0068	0.00097	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1

Client Sample ID: RXSB-9_4-6
Lab Sample ID: 460-311096-11

Date Collected: 09/09/24 14:10
Matrix: Solid

Date Received: 09/10/24 18:30
Percent Solids: 98.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00063	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Heptachlor	0.0068	U	0.0068	0.00080	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Methoxychlor	0.0068	U	0.0068	0.0015	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1
Toxaphene	0.068	U	0.068	0.024	mg/Kg	☼	09/11/24 16:56	09/12/24 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*17 - 150*	*09/11/24 16:56*	*09/12/24 07:26*	*1*
DCB Decachlorobiphenyl	*71*		*17 - 150*	*09/11/24 16:56*	*09/12/24 07:26*	*1*
Tetrachloro-m-xylene	*53*		*21 - 150*	*09/11/24 16:56*	*09/12/24 07:26*	*1*
Tetrachloro-m-xylene	*56*		*21 - 150*	*09/11/24 16:56*	*09/12/24 07:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:32*	*1*
DCB Decachlorobiphenyl	*48*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:32*	*1*
Tetrachloro-m-xylene	*44*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:32*	*1*
Tetrachloro-m-xylene	*44*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:32*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.3**		0.92	0.095	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Barium	**462**		1.8	0.13	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Beryllium	**0.21**	**J**	0.37	0.053	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Cadmium	**0.77**	**J**	0.92	0.10	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Chromium	**14.1**		1.8	0.84	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Copper	**48.2**		1.8	0.34	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Lead	**633**		0.55	0.18	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Manganese	**107**		3.7	0.37	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Nickel	**14.8**		1.8	0.43	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Selenium	**0.28**	**J**	1.2	0.12	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Silver	**0.18**	**J**	0.37	0.082	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1
Zinc	**379**		7.4	2.8	mg/Kg	☼	09/11/24 07:50	09/11/24 21:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**		0.017	0.0080	mg/Kg	☼	09/16/24 00:42	09/16/24 04:35	1

Client Sample ID: RXSB-9_4-6
Lab Sample ID: 460-311096-11
Date Collected: 09/09/24 14:10
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**14.1**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.85	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.21**		0.20	0.11	mg/Kg	☼	09/15/24 14:31	09/15/24 17:29	1
Percent Moisture (EPA Moisture)	**1.3**		1.0	1.0	%			09/10/24 21:01	1
Percent Solids (EPA Moisture)	**98.7**		1.0	1.0	%			09/10/24 21:01	1

Client Sample ID: DUP_09092024
Lab Sample ID: 460-311096-12
Date Collected: 09/09/24 12:00
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 97.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00041	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Toluene	**0.00080**	**J**	0.0011	0.00026	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	09/10/24 23:10	09/12/24 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*	*09/10/24 23:10*	*09/12/24 06:53*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*09/10/24 23:10*	*09/12/24 06:53*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*09/10/24 23:10*	*09/12/24 06:53*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*09/10/24 23:10*	*09/12/24 06:53*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: DUP_09092024
Date Collected: 09/09/24 12:00
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-12
Matrix: Solid
Percent Solids: 97.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Acenaphthene	**0.017**	**J**	0.34	0.0097	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Acenaphthylene	**0.031**	**J**	0.34	0.0097	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Anthracene	**0.060**	**J**	0.34	0.010	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Benzo[a]anthracene	**0.31**		0.034	0.026	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Benzo[a]pyrene	**0.33**		0.034	0.0091	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Benzo[b]fluoranthene	**0.43**		0.034	0.0088	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Benzo[g,h,i]perylene	**0.17**	**J**	0.34	0.010	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Benzo[k]fluoranthene	**0.14**		0.034	0.0067	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Chrysene	**0.30**	**J**	0.34	0.014	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Dibenz(a,h)anthracene	**0.047**		0.034	0.015	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Fluoranthene	**0.59**		0.34	0.012	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Fluorene	**0.014**	**J**	0.34	0.0099	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Indeno[1,2,3-cd]pyrene	**0.18**		0.034	0.013	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Naphthalene	0.34	U	0.34	0.0059	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Phenanthrene	**0.27**	**J**	0.34	0.014	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1
Pyrene	**0.56**		0.34	0.0085	mg/Kg	☼	09/11/24 20:42	09/12/24 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*09/11/24 20:42*	*09/12/24 16:02*	*1*
2-Fluorobiphenyl	*102*		*38 - 128*	*09/11/24 20:42*	*09/12/24 16:02*	*1*
2-Fluorophenol (Surr)	*106*		*31 - 133*	*09/11/24 20:42*	*09/12/24 16:02*	*1*
Nitrobenzene-d5 (Surr)	*106*		*31 - 120*	*09/11/24 20:42*	*09/12/24 16:02*	*1*
Phenol-d5 (Surr)	*107*		*35 - 132*	*09/11/24 20:42*	*09/12/24 16:02*	*1*
Terphenyl-d14 (Surr)	*99*		*44 - 147*	*09/11/24 20:42*	*09/12/24 16:02*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
4,4'-DDE	**0.0027**	**J**	0.0069	0.00081	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
4,4'-DDT	**0.0036**	**J**	0.0069	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
beta-BHC	0.0021	U	0.0021	0.00077	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Dieldrin	0.0021	U	0.0021	0.00089	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Endosulfan I	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Endosulfan sulfate	0.0069	U	0.0069	0.00086	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Endrin	0.0069	U	0.0069	0.00098	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1

Client Sample ID: DUP_09092024
Lab Sample ID: 460-311096-12

Date Collected: 09/09/24 12:00
Matrix: Solid

Date Received: 09/10/24 18:30
Percent Solids: 97.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Heptachlor	0.0069	U	0.0069	0.00081	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	09/11/24 16:56	09/12/24 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*17 - 150*	*09/11/24 16:56*	*09/12/24 07:39*	*1*
DCB Decachlorobiphenyl	*52*		*17 - 150*	*09/11/24 16:56*	*09/12/24 07:39*	*1*
Tetrachloro-m-xylene	*40*		*21 - 150*	*09/11/24 16:56*	*09/12/24 07:39*	*1*
Tetrachloro-m-xylene	*41*		*21 - 150*	*09/11/24 16:56*	*09/12/24 07:39*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☼	09/11/24 16:52	09/12/24 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*38*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:49*	*1*
DCB Decachlorobiphenyl	*31*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:49*	*1*
Tetrachloro-m-xylene	*30*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:49*	*1*
Tetrachloro-m-xylene	*30*		*20 - 150*	*09/11/24 16:52*	*09/12/24 02:49*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.1**		0.90	0.092	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Barium	**187**		1.8	0.13	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Beryllium	**0.12**	**J**	0.36	0.051	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Cadmium	**0.47**	**J**	0.90	0.10	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Chromium	**7.3**		1.8	0.81	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Copper	**18.0**		1.8	0.33	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Lead	**259**		0.54	0.18	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Manganese	**68.2**		3.6	0.36	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Nickel	**6.4**		1.8	0.42	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Selenium	**0.17**	**J**	1.1	0.11	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Silver	**0.12**	**J**	0.36	0.080	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1
Zinc	**209**		7.2	2.7	mg/Kg	☼	09/11/24 07:50	09/11/24 21:08	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**		0.016	0.0075	mg/Kg	☼	09/16/24 00:42	09/16/24 04:37	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311096-1
Project/Site: 2828 W 28th Street

Client Sample ID: DUP_09092024
Lab Sample ID: 460-311096-12
Date Collected: 09/09/24 12:00
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 97.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**7.3**		2.0	2.0	mg/Kg	☼		09/12/24 12:25	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.85	mg/Kg	☼	09/17/24 10:16	09/17/24 14:50	1
Cyanide, Total (SW846 9012B)	**0.11**	**J**	0.21	0.11	mg/Kg	☼	09/15/24 14:31	09/15/24 17:30	1
Percent Moisture (EPA Moisture)	**3.0**		1.0	1.0	%			09/10/24 21:01	1
Percent Solids (EPA Moisture)	**97.0**		1.0	1.0	%			09/10/24 21:01	1

Client Sample ID: TB_09092024
Lab Sample ID: 460-311096-13
Date Collected: 09/09/24 14:10
Matrix: Water
Date Received: 09/10/24 18:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/13/24 09:16	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/13/24 09:16	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/13/24 09:16	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 09:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/13/24 09:16	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/13/24 09:16	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/13/24 09:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/13/24 09:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/13/24 09:16	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/13/24 09:16	1
Acetone	5.0	U	5.0	4.4	ug/L			09/13/24 09:16	1
Benzene	1.0	U	1.0	0.20	ug/L			09/13/24 09:16	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/13/24 09:16	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/13/24 09:16	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/13/24 09:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/13/24 09:16	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/13/24 09:16	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/13/24 09:16	1
Methylene Chloride	**0.51**	**J**	1.0	0.32	ug/L			09/13/24 09:16	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/13/24 09:16	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 09:16	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 09:16	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/13/24 09:16	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 09:16	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/13/24 09:16	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/13/24 09:16	1
Toluene	1.0	U	1.0	0.38	ug/L			09/13/24 09:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/13/24 09:16	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/13/24 09:16	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/13/24 09:16	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/13/24 09:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*		*09/13/24 09:16*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*09/13/24 09:16*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*09/13/24 09:16*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/13/24 09:16*	*1*

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-311096-1	RXSB-5_0-2	89	104	97	94
460-311096-2	RXSB-5_4-6	90	101	97	93
460-311096-3	RXSB-10_0-2	89	101	98	93
460-311096-4	RXSB-10_4-6	91	100	100	92
460-311096-6	RXSB-3_0-2	92	101	98	92
460-311096-7	RXSB-3_4-6	92	99	99	91
460-311096-8	RXSB-8_0-2	92	101	101	94
460-311096-9	RXSB-8_4-6	91	99	100	92
460-311096-10	RXSB-9_0-2	90	100	100	93
460-311096-11	RXSB-9_4-6	92	102	101	93
460-311096-12	DUP_09092024	89	99	101	92
LB3 460-995140/1-A	Method Blank	90	103	99	97
LCS 460-995292/3	Lab Control Sample	89	102	98	94
LCSD 460-995292/4	Lab Control Sample Dup	89	104	99	98
MB 460-995292/7	Method Blank	96	100	105	96

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-311096-5	FB_09092024	95	98	105	99
460-311096-13	TB_09092024	97	100	104	99
LCS 460-995611/4	Lab Control Sample	97	103	105	100
LCSD 460-995611/5	Lab Control Sample Dup	98	103	104	101
MB 460-995611/8	Method Blank	99	100	104	99

Surrogate Legend

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

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-311096-1	RXSB-5_0-2	90	97	96	97	101	101
460-311096-2	RXSB-5_4-6	88	91	91	92	95	96
460-311096-3	RXSB-10_0-2	90	95	95	97	100	99
460-311096-4	RXSB-10_4-6	91	96	96	98	100	98
460-311096-6	RXSB-3_0-2	92	96	96	97	101	97

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311096-1
Project/Site: 2828 W 28th Street

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-311096-7	RXSB-3_4-6	89	94	93	97	97	93
460-311096-8	RXSB-8_0-2	91	98	98	99	102	98
460-311096-9	RXSB-8_4-6	88	93	92	92	95	95
460-311096-10	RXSB-9_0-2	89	93	89	92	95	95
460-311096-11	RXSB-9_4-6	89	98	101	99	102	96
460-311096-11 - DL	RXSB-9_4-6	99	102	100	104	105	105
460-311096-12	DUP_09092024	90	102	106	106	107	99
LCS 460-995337/2-A	Lab Control Sample	75	77	90	88	93	85
LCS 460-995338/2-A	Lab Control Sample	102	104	105	109	110	105
LCSD 460-995337/3-A	Lab Control Sample Dup	81	80	90	90	96	86
LCSD 460-995338/3-A	Lab Control Sample Dup	98	101	101	105	107	102
MB 460-995337/1-A	Method Blank	80	78	91	90	96	89
MB 460-995338/1-A	Method Blank	90	102	101	107	105	105

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-159)
460-311096-5	FB_09092024	114	105	56	107	36	79
460-311121-H-6-B MS	Matrix Spike	115	95	57	99	42	58
460-311121-H-6-C MSD	Matrix Spike Duplicate	99	79	58	82	44	41
LCS 460-995477/2-A	Lab Control Sample	126	105	74	110	55	101
LCSD 460-995477/3-A	Lab Control Sample Dup	127	104	74	113	55	101
MB 460-995477/1-A	Method Blank	117	115	67	112	47	111

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(17-150)	(17-150)	(21-150)	(21-150)
460-311069-B-1-E MS	Matrix Spike	113	100	81	80
460-311069-B-1-F MSD	Matrix Spike Duplicate	133	119	94	93
460-311096-1	RXSB-5_0-2	50	49	39	38

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (17-150)	DCBP2 (17-150)	TCX1 (21-150)	TCX2 (21-150)
460-311096-2	RXSB-5_4-6	53	55	42	41
460-311096-3	RXSB-10_0-2	73	78	62	61
460-311096-4	RXSB-10_4-6	81	89	67	66
460-311096-6	RXSB-3_0-2	54	54	44	43
460-311096-7	RXSB-3_4-6	59	57	47	45
460-311096-8	RXSB-8_0-2	110	115	91	91
460-311096-9	RXSB-8_4-6	61	60	49	47
460-311096-10	RXSB-9_0-2	76	83	53	52
460-311096-11	RXSB-9_4-6	71	76	56	53
460-311096-12	DUP_09092024	52	52	41	40
LCS 460-995291/2-A	Lab Control Sample	90	85	85	78
LCSD 460-995291/3-A	Lab Control Sample Dup	99	91	95	86
MB 460-995291/1-A	Method Blank	117	111	102	104

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (30-131)	DCBP2 (30-131)	TCX1 (34-120)	TCX2 (34-120)
460-311096-5	FB_09092024	93	99	81	83
LCS 460-995329/2-A	Lab Control Sample	96	102	99	91
LCSD 460-995329/3-A	Lab Control Sample Dup	91	101	93	87
MB 460-995329/1-A	Method Blank	91	105	86	95

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-311096-1	RXSB-5_0-2	28	35	26	26
460-311096-2	RXSB-5_4-6	36	44	31	31
460-311096-3	RXSB-10_0-2	42	51	44	44
460-311096-4	RXSB-10_4-6	43	56	47	49
460-311096-6	RXSB-3_0-2	34	42	32	32
460-311096-7	RXSB-3_4-6	34	44	32	33
460-311096-8	RXSB-8_0-2	66	77	65	63
460-311096-9	RXSB-8_4-6	33	43	34	35
460-311096-10	RXSB-9_0-2	46	59	37	38
460-311096-11	RXSB-9_4-6	48	61	44	44
460-311096-12	DUP_09092024	31	38	30	30
LCS 460-995290/2-A	Lab Control Sample	124	135	95	104
LCSD 460-995290/3-A	Lab Control Sample Dup	127	125	110	107

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311096-1
Project/Site: 2828 W 28th Street

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
MB 460-995290/1-A	Method Blank	124	121	109	108

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (18-145)	DCBP2 (18-145)	TCX1 (21-124)	TCX2 (21-124)
460-311096-5	FB_09092024	68	82	71	67
LCS 460-995331/2-A	Lab Control Sample	65	77	73	68
LCSD 460-995331/3-A	Lab Control Sample Dup	63	76	72	68
MB 460-995331/1-A	Method Blank	66	78	71	70

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Lab Sample ID: LB3 460-995140/1-A
Matrix: Solid
Analysis Batch: 995292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995140

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		09/10/24 23:00	09/12/24 02:23	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg		09/10/24 23:00	09/12/24 02:23	1

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*09/10/24 23:00*	*09/12/24 02:23*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*09/10/24 23:00*	*09/12/24 02:23*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*09/10/24 23:00*	*09/12/24 02:23*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*09/10/24 23:00*	*09/12/24 02:23*	*1*

Lab Sample ID: MB 460-995292/7
Matrix: Solid
Analysis Batch: 995292

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			09/11/24 23:05	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			09/11/24 23:05	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			09/11/24 23:05	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			09/11/24 23:05	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			09/11/24 23:05	1

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

Lab Sample ID: MB 460-995292/7
Matrix: Solid
Analysis Batch: 995292

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			09/11/24 23:05	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			09/11/24 23:05	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			09/11/24 23:05	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			09/11/24 23:05	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			09/11/24 23:05	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			09/11/24 23:05	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			09/11/24 23:05	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			09/11/24 23:05	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			09/11/24 23:05	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			09/11/24 23:05	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			09/11/24 23:05	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			09/11/24 23:05	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			09/11/24 23:05	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			09/11/24 23:05	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			09/11/24 23:05	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			09/11/24 23:05	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			09/11/24 23:05	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			09/11/24 23:05	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			09/11/24 23:05	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			09/11/24 23:05	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			09/11/24 23:05	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			09/11/24 23:05	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			09/11/24 23:05	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			09/11/24 23:05	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			09/11/24 23:05	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			09/11/24 23:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*		*09/11/24 23:05*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*		*09/11/24 23:05*	*1*
Dibromofluoromethane (Surr)	*105*		*50 - 150*		*09/11/24 23:05*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*09/11/24 23:05*	*1*

Lab Sample ID: LCS 460-995292/3
Matrix: Solid
Analysis Batch: 995292

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0198		mg/Kg		99	78 - 120
1,1-Dichloroethane	0.0200	0.0216		mg/Kg		108	72 - 120
1,1-Dichloroethene	0.0200	0.0201		mg/Kg		101	76 - 120
1,2,4-Trimethylbenzene	0.0200	0.0177		mg/Kg		89	75 - 120
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120
1,2-Dichloroethane	0.0200	0.0193		mg/Kg		97	70 - 123
1,3,5-Trimethylbenzene	0.0200	0.0182		mg/Kg		91	70 - 120
1,3-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0189		mg/Kg		95	80 - 120
2-Butanone (MEK)	0.100	0.0814		mg/Kg		81	64 - 128

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

Lab Sample ID: LCS 460-995292/3
Matrix: Solid
Analysis Batch: 995292

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone			0.100	0.0768		mg/Kg		77	58 - 122		
Benzene			0.0200	0.0224		mg/Kg		112	75 - 120		
Carbon tetrachloride			0.0200	0.0210		mg/Kg		105	66 - 127		
Chlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120		
Chloroform			0.0200	0.0202		mg/Kg		101	79 - 126		
cis-1,2-Dichloroethene			0.0200	0.0207		mg/Kg		104	80 - 123		
Ethylbenzene			0.0200	0.0195		mg/Kg		97	80 - 120		
Methyl tert-butyl ether			0.0200	0.0197		mg/Kg		98	74 - 125		
Methylene Chloride			0.0200	0.0201		mg/Kg		100	78 - 120		
m-Xylene & p-Xylene			0.0200	0.0195		mg/Kg		98	80 - 120		
n-Butylbenzene			0.0200	0.0195		mg/Kg		97	72 - 120		
N-Propylbenzene			0.0200	0.0183		mg/Kg		91	68 - 120		
o-Xylene			0.0200	0.0196		mg/Kg		98	80 - 120		
sec-Butylbenzene			0.0200	0.0184		mg/Kg		92	78 - 120		
tert-Butylbenzene			0.0200	0.0181		mg/Kg		90	80 - 120		
Tetrachloroethene			0.0200	0.0199		mg/Kg		99	73 - 120		
Toluene			0.0200	0.0193		mg/Kg		97	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0213		mg/Kg		107	78 - 120		
Trichloroethene			0.0200	0.0198		mg/Kg		99	80 - 120		
Vinyl chloride			0.0200	0.0235		mg/Kg		117	54 - 122		
Xylenes, Total			0.0400	0.0391		mg/Kg		98	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*
4-Bromofluorobenzene	*102*		*71 - 128*
Dibromofluoromethane (Surr)	*98*		*50 - 150*
Toluene-d8 (Surr)	*94*		*71 - 126*

Lab Sample ID: LCSD 460-995292/4
Matrix: Solid
Analysis Batch: 995292

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0203		mg/Kg		102	78 - 120	3	30
1,1-Dichloroethane			0.0200	0.0227		mg/Kg		114	72 - 120	5	30
1,1-Dichloroethene			0.0200	0.0204		mg/Kg		102	76 - 120	2	30
1,2,4-Trimethylbenzene			0.0200	0.0182		mg/Kg		91	75 - 120	2	30
1,2-Dichlorobenzene			0.0200	0.0205		mg/Kg		102	80 - 120	4	30
1,2-Dichloroethane			0.0200	0.0197		mg/Kg		98	70 - 123	2	30
1,3,5-Trimethylbenzene			0.0200	0.0185		mg/Kg		92	70 - 120	2	30
1,3-Dichlorobenzene			0.0200	0.0192		mg/Kg		96	80 - 120	2	30
1,4-Dichlorobenzene			0.0200	0.0197		mg/Kg		99	80 - 120	4	30
2-Butanone (MEK)			0.100	0.0860		mg/Kg		86	64 - 128	6	30
Acetone			0.100	0.0828		mg/Kg		83	58 - 122	8	30
Benzene			0.0200	0.0235		mg/Kg		118	75 - 120	5	30
Carbon tetrachloride			0.0200	0.0217		mg/Kg		109	66 - 127	3	30
Chlorobenzene			0.0200	0.0201		mg/Kg		100	80 - 120	3	30
Chloroform			0.0200	0.0207		mg/Kg		104	79 - 126	2	30

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

Lab Sample ID: LCSD 460-995292/4
Matrix: Solid
Analysis Batch: 995292

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			0.0200	0.0219		mg/Kg		109	80 - 123	5	30
Ethylbenzene			0.0200	0.0198		mg/Kg		99	80 - 120	2	30
Methyl tert-butyl ether			0.0200	0.0198		mg/Kg		99	74 - 125	1	30
Methylene Chloride			0.0200	0.0205		mg/Kg		102	78 - 120	2	30
m-Xylene & p-Xylene			0.0200	0.0200		mg/Kg		100	80 - 120	2	30
n-Butylbenzene			0.0200	0.0197		mg/Kg		98	72 - 120	1	30
N-Propylbenzene			0.0200	0.0191		mg/Kg		95	68 - 120	4	30
o-Xylene			0.0200	0.0209		mg/Kg		104	80 - 120	6	30
sec-Butylbenzene			0.0200	0.0184		mg/Kg		92	78 - 120	0	30
tert-Butylbenzene			0.0200	0.0182		mg/Kg		91	80 - 120	1	30
Tetrachloroethene			0.0200	0.0201		mg/Kg		100	73 - 120	1	30
Toluene			0.0200	0.0199		mg/Kg		100	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0221		mg/Kg		111	78 - 120	3	30
Trichloroethene			0.0200	0.0202		mg/Kg		101	80 - 120	2	30
Vinyl chloride			0.0200	0.0233		mg/Kg		116	54 - 122	1	30
Xylenes, Total			0.0400	0.0408		mg/Kg		102	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*
4-Bromofluorobenzene	*104*		*71 - 128*
Dibromofluoromethane (Surr)	*99*		*50 - 150*
Toluene-d8 (Surr)	*98*		*71 - 126*

Lab Sample ID: MB 460-995611/8
Matrix: Water
Analysis Batch: 995611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/13/24 08:17	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/13/24 08:17	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/13/24 08:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 08:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/13/24 08:17	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/13/24 08:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/13/24 08:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/13/24 08:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/13/24 08:17	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/13/24 08:17	1
Acetone	5.0	U	5.0	4.4	ug/L			09/13/24 08:17	1
Benzene	1.0	U	1.0	0.20	ug/L			09/13/24 08:17	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/13/24 08:17	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/13/24 08:17	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/13/24 08:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/13/24 08:17	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/13/24 08:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/13/24 08:17	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/13/24 08:17	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/13/24 08:17	1

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

Lab Sample ID: MB 460-995611/8
Matrix: Water
Analysis Batch: 995611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 08:17	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 08:17	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/13/24 08:17	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 08:17	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/13/24 08:17	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/13/24 08:17	1
Toluene	1.0	U	1.0	0.38	ug/L			09/13/24 08:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/13/24 08:17	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/13/24 08:17	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/13/24 08:17	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/13/24 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 128*		*09/13/24 08:17*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*09/13/24 08:17*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*09/13/24 08:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/13/24 08:17*	*1*

Lab Sample ID: LCS 460-995611/4
Matrix: Water
Analysis Batch: 995611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	24.6		ug/L		123	72 - 128
1,1-Dichloroethane	20.0	21.3		ug/L		107	73 - 130
1,1-Dichloroethene	20.0	20.8		ug/L		104	68 - 133
1,2,4-Trimethylbenzene	20.0	22.3		ug/L		112	75 - 125
1,2-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 120
1,2-Dichloroethane	20.0	20.3		ug/L		101	66 - 129
1,3,5-Trimethylbenzene	20.0	22.2		ug/L		111	75 - 125
1,3-Dichlorobenzene	20.0	22.0		ug/L		110	80 - 120
1,4-Dichlorobenzene	20.0	21.9		ug/L		109	80 - 120
2-Butanone (MEK)	100	106		ug/L		106	65 - 142
Acetone	100	99.2		ug/L		99	60 - 133
Benzene	20.0	20.3		ug/L		101	71 - 126
Carbon tetrachloride	20.0	31.2	*	ug/L		156	65 - 131
Chlorobenzene	20.0	21.8		ug/L		109	80 - 120
Chloroform	20.0	21.9		ug/L		109	78 - 125
cis-1,2-Dichloroethene	20.0	21.1		ug/L		105	78 - 121
Ethylbenzene	20.0	21.5		ug/L		107	78 - 120
Methyl tert-butyl ether	20.0	19.4		ug/L		97	72 - 131
Methylene Chloride	20.0	20.6		ug/L		103	74 - 127
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	78 - 120
n-Butylbenzene	20.0	23.2		ug/L		116	69 - 135
N-Propylbenzene	20.0	21.8		ug/L		109	68 - 129
o-Xylene	20.0	21.8		ug/L		109	78 - 120
sec-Butylbenzene	20.0	22.8		ug/L		114	77 - 129
tert-Butylbenzene	20.0	22.1		ug/L		110	78 - 120

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

Lab Sample ID: LCS 460-995611/4
Matrix: Water
Analysis Batch: 995611

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrachloroethene			20.0	22.3		ug/L		112	70 - 127		
Toluene			20.0	18.9		ug/L		95	78 - 120		
trans-1,2-Dichloroethene			20.0	21.0		ug/L		105	70 - 126		
Trichloroethene			20.0	22.0		ug/L		110	73 - 121		
Vinyl chloride			20.0	21.0		ug/L		105	55 - 144		
Xylenes, Total			40.0	43.8		ug/L		110	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 132*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 460-995611/5
Matrix: Water
Analysis Batch: 995611

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	23.6		ug/L		118	72 - 128	4	30
1,1-Dichloroethane			20.0	20.6		ug/L		103	73 - 130	3	30
1,1-Dichloroethene			20.0	19.8		ug/L		99	68 - 133	5	30
1,2,4-Trimethylbenzene			20.0	20.8		ug/L		104	75 - 125	7	30
1,2-Dichlorobenzene			20.0	20.5		ug/L		102	80 - 120	7	30
1,2-Dichloroethane			20.0	19.2		ug/L		96	66 - 129	5	30
1,3,5-Trimethylbenzene			20.0	20.7		ug/L		103	75 - 125	7	30
1,3-Dichlorobenzene			20.0	20.5		ug/L		102	80 - 120	7	30
1,4-Dichlorobenzene			20.0	20.8		ug/L		104	80 - 120	5	30
2-Butanone (MEK)			100	102		ug/L		102	65 - 142	4	30
Acetone			100	91.3		ug/L		91	60 - 133	8	30
Benzene			20.0	19.5		ug/L		98	71 - 126	4	30
Carbon tetrachloride			20.0	28.8	*	ug/L		144	65 - 131	8	30
Chlorobenzene			20.0	20.8		ug/L		104	80 - 120	5	30
Chloroform			20.0	21.1		ug/L		105	78 - 125	4	30
cis-1,2-Dichloroethene			20.0	19.8		ug/L		99	78 - 121	6	30
Ethylbenzene			20.0	21.2		ug/L		106	78 - 120	1	30
Methyl tert-butyl ether			20.0	18.4		ug/L		92	72 - 131	5	30
Methylene Chloride			20.0	18.9		ug/L		95	74 - 127	9	30
m-Xylene & p-Xylene			20.0	20.9		ug/L		104	78 - 120	5	30
n-Butylbenzene			20.0	21.6		ug/L		108	69 - 135	7	30
N-Propylbenzene			20.0	20.4		ug/L		102	68 - 129	6	30
o-Xylene			20.0	20.5		ug/L		103	78 - 120	6	30
sec-Butylbenzene			20.0	20.9		ug/L		105	77 - 129	9	30
tert-Butylbenzene			20.0	20.2		ug/L		101	78 - 120	9	30
Tetrachloroethene			20.0	21.3		ug/L		107	70 - 127	5	30
Toluene			20.0	18.4		ug/L		92	78 - 120	3	30
trans-1,2-Dichloroethene			20.0	20.8		ug/L		104	70 - 126	1	30
Trichloroethene			20.0	20.7		ug/L		103	73 - 121	6	30
Vinyl chloride			20.0	18.8		ug/L		94	55 - 144	11	30

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

Lab Sample ID: LCSD 460-995611/5
Matrix: Water
Analysis Batch: 995611

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total			40.0	41.4		ug/L		103	80 - 120	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*104*		*77 - 132*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-995337/1-A
Matrix: Solid
Analysis Batch: 995400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995337

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Phenol	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:42	09/12/24 07:31	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		09/11/24 20:42	09/12/24 07:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*24 - 137*	*09/11/24 20:42*	*09/12/24 07:31*	*1*
2-Fluorobiphenyl	*78*		*38 - 128*	*09/11/24 20:42*	*09/12/24 07:31*	*1*
2-Fluorophenol (Surr)	*91*		*31 - 133*	*09/11/24 20:42*	*09/12/24 07:31*	*1*
Nitrobenzene-d5 (Surr)	*90*		*31 - 120*	*09/11/24 20:42*	*09/12/24 07:31*	*1*
Phenol-d5 (Surr)	*96*		*35 - 132*	*09/11/24 20:42*	*09/12/24 07:31*	*1*
Terphenyl-d14 (Surr)	*89*		*44 - 147*	*09/11/24 20:42*	*09/12/24 07:31*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-995337/2-A
Matrix: Solid
Analysis Batch: 995400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995337

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			3.33	2.72		mg/Kg		82	27 - 120		
2-Methylnaphthalene			3.33	2.52		mg/Kg		76	64 - 120		
2-Methylphenol			3.33	3.09		mg/Kg		93	63 - 120		
3 & 4 Methylphenol			3.33	2.92		mg/Kg		88	61 - 120		
Acenaphthene			3.33	2.74		mg/Kg		82	65 - 120		
Acenaphthylene			3.33	2.93		mg/Kg		88	64 - 120		
Anthracene			3.33	2.81		mg/Kg		84	67 - 120		
Benzo[a]anthracene			3.33	2.79		mg/Kg		84	66 - 120		
Benzo[a]pyrene			3.33	2.91		mg/Kg		87	73 - 123		
Benzo[b]fluoranthene			3.33	2.87		mg/Kg		86	70 - 125		
Benzo[g,h,i]perylene			3.33	2.99		mg/Kg		90	66 - 120		
Benzo[k]fluoranthene			3.33	2.85		mg/Kg		85	67 - 122		
Chrysene			3.33	2.73		mg/Kg		82	67 - 120		
Dibenz(a,h)anthracene			3.33	2.78		mg/Kg		83	66 - 128		
Dibenzofuran			3.33	2.67		mg/Kg		80	61 - 120		
Fluoranthene			3.33	2.63		mg/Kg		79	61 - 120		
Fluorene			3.33	2.73		mg/Kg		82	64 - 120		
Hexachlorobenzene			3.33	2.81		mg/Kg		84	66 - 120		
Indeno[1,2,3-cd]pyrene			3.33	3.07		mg/Kg		92	71 - 137		
Naphthalene			3.33	2.79		mg/Kg		84	63 - 120		
Pentachlorophenol			6.67	5.24		mg/Kg		79	61 - 126		
Phenanthrene			3.33	2.77		mg/Kg		83	66 - 120		
Phenol			3.33	3.05		mg/Kg		91	63 - 120		
Pyrene			3.33	3.00		mg/Kg		90	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 137*
2-Fluorobiphenyl	*77*		*38 - 128*
2-Fluorophenol (Surr)	*90*		*31 - 133*
Nitrobenzene-d5 (Surr)	*88*		*31 - 120*
Phenol-d5 (Surr)	*93*		*35 - 132*
Terphenyl-d14 (Surr)	*85*		*44 - 147*

Lab Sample ID: LCSD 460-995337/3-A
Matrix: Solid
Analysis Batch: 995400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995337

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			3.33	2.59		mg/Kg		78	27 - 120	5	30
2-Methylnaphthalene			3.33	2.60		mg/Kg		78	64 - 120	3	30
2-Methylphenol			3.33	3.16		mg/Kg		95	63 - 120	2	30
3 & 4 Methylphenol			3.33	3.03		mg/Kg		91	61 - 120	4	30
Acenaphthene			3.33	2.89		mg/Kg		87	65 - 120	6	30
Acenaphthylene			3.33	3.11		mg/Kg		93	64 - 120	6	30
Anthracene			3.33	2.85		mg/Kg		86	67 - 120	2	30
Benzo[a]anthracene			3.33	2.88		mg/Kg		86	66 - 120	3	30
Benzo[a]pyrene			3.33	3.00		mg/Kg		90	73 - 123	3	30
Benzo[b]fluoranthene			3.33	3.03		mg/Kg		91	70 - 125	6	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-995337/3-A
Matrix: Solid
Analysis Batch: 995400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995337

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[g,h,i]perylene			3.33	2.99		mg/Kg		90	66 - 120	0	30
Benzo[k]fluoranthene			3.33	2.92		mg/Kg		87	67 - 122	2	30
Chrysene			3.33	2.79		mg/Kg		84	67 - 120	2	30
Dibenz(a,h)anthracene			3.33	2.80		mg/Kg		84	66 - 128	1	30
Dibenzofuran			3.33	2.82		mg/Kg		85	61 - 120	6	30
Fluoranthene			3.33	2.70		mg/Kg		81	61 - 120	3	30
Fluorene			3.33	2.89		mg/Kg		87	64 - 120	6	30
Hexachlorobenzene			3.33	2.80		mg/Kg		84	66 - 120	0	30
Indeno[1,2,3-cd]pyrene			3.33	3.11		mg/Kg		93	71 - 137	1	30
Naphthalene			3.33	2.84		mg/Kg		85	63 - 120	2	30
Pentachlorophenol			6.67	5.36		mg/Kg		80	61 - 126	2	30
Phenanthrene			3.33	2.83		mg/Kg		85	66 - 120	2	30
Phenol			3.33	3.06		mg/Kg		92	63 - 120	0	30
Pyrene			3.33	3.02		mg/Kg		91	61 - 121	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*24 - 137*
2-Fluorobiphenyl	*80*		*38 - 128*
2-Fluorophenol (Surr)	*90*		*31 - 133*
Nitrobenzene-d5 (Surr)	*90*		*31 - 120*
Phenol-d5 (Surr)	*96*		*35 - 132*
Terphenyl-d14 (Surr)	*86*		*44 - 147*

Lab Sample ID: MB 460-995338/1-A
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		09/11/24 20:46	09/12/24 06:23	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-995338/1-A
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Phenol	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		09/11/24 20:46	09/12/24 06:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
2-Fluorobiphenyl	*102*		*38 - 128*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
2-Fluorophenol (Surr)	*101*		*31 - 133*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
Nitrobenzene-d5 (Surr)	*107*		*31 - 120*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
Phenol-d5 (Surr)	*105*		*35 - 132*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
Terphenyl-d14 (Surr)	*105*		*44 - 147*	*09/11/24 20:46*	*09/12/24 06:23*	*1*

Lab Sample ID: LCS 460-995338/2-A
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	3.33	2.82		mg/Kg		85	27 - 120
2-Methylnaphthalene	3.33	3.22		mg/Kg		97	64 - 120
2-Methylphenol	3.33	3.67		mg/Kg		110	63 - 120
3 & 4 Methylphenol	3.33	3.61		mg/Kg		108	61 - 120
Acenaphthene	3.33	3.65		mg/Kg		109	65 - 120
Acenaphthylene	3.33	3.98		mg/Kg		119	64 - 120
Anthracene	3.33	3.71		mg/Kg		111	67 - 120
Benzo[a]anthracene	3.33	3.71		mg/Kg		111	66 - 120
Benzo[a]pyrene	3.33	4.07		mg/Kg		122	73 - 123
Benzo[b]fluoranthene	3.33	3.83		mg/Kg		115	70 - 125
Benzo[g,h,i]perylene	3.33	4.11	*	mg/Kg		123	66 - 120
Benzo[k]fluoranthene	3.33	4.21	*	mg/Kg		126	67 - 122
Chrysene	3.33	3.80		mg/Kg		114	67 - 120
Dibenz(a,h)anthracene	3.33	3.82		mg/Kg		115	66 - 128
Dibenzofuran	3.33	3.52		mg/Kg		106	61 - 120
Fluoranthene	3.33	3.74		mg/Kg		112	61 - 120
Fluorene	3.33	3.67		mg/Kg		110	64 - 120
Hexachlorobenzene	3.33	3.61		mg/Kg		108	66 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.58		mg/Kg		107	71 - 137
Naphthalene	3.33	3.60		mg/Kg		108	63 - 120
Pentachlorophenol	6.67	7.21		mg/Kg		108	61 - 126
Phenanthrene	3.33	3.74		mg/Kg		112	66 - 120
Phenol	3.33	3.65		mg/Kg		109	63 - 120
Pyrene	3.33	3.90		mg/Kg		117	61 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*24 - 137*
2-Fluorobiphenyl	*104*		*38 - 128*
2-Fluorophenol (Surr)	*105*		*31 - 133*
Nitrobenzene-d5 (Surr)	*109*		*31 - 120*
Phenol-d5 (Surr)	*110*		*35 - 132*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-995338/2-A
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995338

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	*105*		*44 - 147*

Lab Sample ID: LCSD 460-995338/3-A
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995338

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			3.33	2.62		mg/Kg		79	27 - 120	7	30
2-Methylnaphthalene			3.33	3.12		mg/Kg		94	64 - 120	3	30
2-Methylphenol			3.33	3.53		mg/Kg		106	63 - 120	4	30
3 & 4 Methylphenol			3.33	3.43		mg/Kg		103	61 - 120	5	30
Acenaphthene			3.33	3.50		mg/Kg		105	65 - 120	4	30
Acenaphthylene			3.33	3.85		mg/Kg		115	64 - 120	3	30
Anthracene			3.33	3.60		mg/Kg		108	67 - 120	3	30
Benzo[a]anthracene			3.33	3.61		mg/Kg		108	66 - 120	3	30
Benzo[a]pyrene			3.33	3.92		mg/Kg		118	73 - 123	4	30
Benzo[b]fluoranthene			3.33	4.03		mg/Kg		121	70 - 125	5	30
Benzo[g,h,i]perylene			3.33	3.95		mg/Kg		118	66 - 120	4	30
Benzo[k]fluoranthene			3.33	3.80		mg/Kg		114	67 - 122	10	30
Chrysene			3.33	3.52		mg/Kg		106	67 - 120	8	30
Dibenz(a,h)anthracene			3.33	3.76		mg/Kg		113	66 - 128	2	30
Dibenzofuran			3.33	3.40		mg/Kg		102	61 - 120	4	30
Fluoranthene			3.33	3.64		mg/Kg		109	61 - 120	3	30
Fluorene			3.33	3.48		mg/Kg		104	64 - 120	5	30
Hexachlorobenzene			3.33	3.47		mg/Kg		104	66 - 120	4	30
Indeno[1,2,3-cd]pyrene			3.33	3.44		mg/Kg		103	71 - 137	4	30
Naphthalene			3.33	3.45		mg/Kg		104	63 - 120	4	30
Pentachlorophenol			6.67	6.93		mg/Kg		104	61 - 126	4	30
Phenanthrene			3.33	3.57		mg/Kg		107	66 - 120	5	30
Phenol			3.33	3.50		mg/Kg		105	63 - 120	4	30
Pyrene			3.33	3.67		mg/Kg		110	61 - 121	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*98*		*24 - 137*
2-Fluorobiphenyl	*101*		*38 - 128*
2-Fluorophenol (Surr)	*101*		*31 - 133*
Nitrobenzene-d5 (Surr)	*105*		*31 - 120*
Phenol-d5 (Surr)	*107*		*35 - 132*
Terphenyl-d14 (Surr)	*102*		*44 - 147*

Lab Sample ID: MB 460-995477/1-A
Matrix: Water
Analysis Batch: 995535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/12/24 12:22	09/12/24 20:24	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/12/24 12:22	09/12/24 20:24	1
Acenaphthene	10	U	10	1.1	ug/L		09/12/24 12:22	09/12/24 20:24	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-995477/1-A
Matrix: Water
Analysis Batch: 995535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	10	U	10	0.82	ug/L		09/12/24 12:22	09/12/24 20:24	1
Anthracene	10	U	10	1.3	ug/L		09/12/24 12:22	09/12/24 20:24	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/12/24 12:22	09/12/24 20:24	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/12/24 12:22	09/12/24 20:24	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/12/24 12:22	09/12/24 20:24	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/12/24 12:22	09/12/24 20:24	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/12/24 12:22	09/12/24 20:24	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/12/24 12:22	09/12/24 20:24	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/12/24 12:22	09/12/24 20:24	1
Dibenzofuran	10	U	10	1.1	ug/L		09/12/24 12:22	09/12/24 20:24	1
Fluoranthene	10	U	10	0.84	ug/L		09/12/24 12:22	09/12/24 20:24	1
Fluorene	10	U	10	0.91	ug/L		09/12/24 12:22	09/12/24 20:24	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/12/24 12:22	09/12/24 20:24	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/12/24 12:22	09/12/24 20:24	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/12/24 12:22	09/12/24 20:24	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/12/24 12:22	09/12/24 20:24	1
Phenanthrene	10	U	10	1.3	ug/L		09/12/24 12:22	09/12/24 20:24	1
Phenol	10	U	10	0.29	ug/L		09/12/24 12:22	09/12/24 20:24	1
Pyrene	10	U	10	1.6	ug/L		09/12/24 12:22	09/12/24 20:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*117*		*37 - 150*	*09/12/24 12:22*	*09/12/24 20:24*	*1*
2-Fluorobiphenyl	*115*		*46 - 139*	*09/12/24 12:22*	*09/12/24 20:24*	*1*
2-Fluorophenol (Surr)	*67*		*16 - 80*	*09/12/24 12:22*	*09/12/24 20:24*	*1*
Nitrobenzene-d5 (Surr)	*112*		*51 - 145*	*09/12/24 12:22*	*09/12/24 20:24*	*1*
Phenol-d5 (Surr)	*47*		*10 - 56*	*09/12/24 12:22*	*09/12/24 20:24*	*1*
Terphenyl-d14 (Surr)	*111*		*13 - 159*	*09/12/24 12:22*	*09/12/24 20:24*	*1*

Lab Sample ID: LCS 460-995477/2-A
Matrix: Water
Analysis Batch: 995535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995477

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	80.0	66.8		ug/L		83	35 - 120
3 & 4 Methylphenol	80.0	56.8		ug/L		71	27 - 120
Acenaphthene	80.0	81.1		ug/L		101	62 - 127
Acenaphthylene	80.0	89.3		ug/L		112	58 - 122
Anthracene	80.0	84.9		ug/L		106	67 - 127
Benzo[a]anthracene	80.0	81.8		ug/L		102	71 - 131
Benzo[a]pyrene	80.0	94.3		ug/L		118	75 - 148
Benzo[b]fluoranthene	80.0	89.3		ug/L		112	70 - 140
Benzo[g,h,i]perylene	80.0	92.1		ug/L		115	52 - 143
Benzo[k]fluoranthene	80.0	87.9		ug/L		110	71 - 140
Chrysene	80.0	81.3		ug/L		102	70 - 132
Dibenz(a,h)anthracene	80.0	80.1		ug/L		100	53 - 150
Dibenzofuran	80.0	81.4		ug/L		102	64 - 125
Fluoranthene	80.0	93.9		ug/L		117	69 - 137
Fluorene	80.0	83.7		ug/L		105	67 - 125

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-995477/2-A
Matrix: Water
Analysis Batch: 995535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995477

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Hexachlorobenzene			80.0	89.7		ug/L		112	62 - 135		
Indeno[1,2,3-cd]pyrene			80.0	86.3		ug/L		108	59 - 150		
Naphthalene			80.0	84.6		ug/L		106	39 - 126		
Pentachlorophenol			160	181		ug/L		113	60 - 140		
Phenanthrene			80.0	84.7		ug/L		106	68 - 126		
Phenol			80.0	43.9		ug/L		55	10 - 80		
Pyrene			80.0	76.5		ug/L		96	60 - 137		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*126*		*37 - 150*
2-Fluorobiphenyl	*105*		*46 - 139*
2-Fluorophenol (Surr)	*74*		*16 - 80*
Nitrobenzene-d5 (Surr)	*110*		*51 - 145*
Phenol-d5 (Surr)	*55*		*10 - 56*
Terphenyl-d14 (Surr)	*101*		*13 - 159*

Lab Sample ID: LCSD 460-995477/3-A
Matrix: Water
Analysis Batch: 995535

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995477

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol			80.0	66.3		ug/L		83	35 - 120	1	30
3 & 4 Methylphenol			80.0	56.9		ug/L		71	27 - 120	0	30
Acenaphthene			80.0	81.5		ug/L		102	62 - 127	1	30
Acenaphthylene			80.0	91.1		ug/L		114	58 - 122	2	30
Anthracene			80.0	82.8		ug/L		103	67 - 127	3	30
Benzo[a]anthracene			80.0	82.5		ug/L		103	71 - 131	1	30
Benzo[a]pyrene			80.0	91.6		ug/L		114	75 - 148	3	30
Benzo[b]fluoranthene			80.0	85.6		ug/L		107	70 - 140	4	30
Benzo[g,h,i]perylene			80.0	90.8		ug/L		114	52 - 143	1	30
Benzo[k]fluoranthene			80.0	89.6		ug/L		112	71 - 140	2	30
Chrysene			80.0	80.1		ug/L		100	70 - 132	1	30
Dibenz(a,h)anthracene			80.0	78.8		ug/L		98	53 - 150	2	30
Dibenzofuran			80.0	83.6		ug/L		104	64 - 125	3	30
Fluoranthene			80.0	91.9		ug/L		115	69 - 137	2	30
Fluorene			80.0	84.5		ug/L		106	67 - 125	1	30
Hexachlorobenzene			80.0	87.0		ug/L		109	62 - 135	3	30
Indeno[1,2,3-cd]pyrene			80.0	85.9		ug/L		107	59 - 150	0	30
Naphthalene			80.0	85.7		ug/L		107	39 - 126	1	30
Pentachlorophenol			160	182		ug/L		114	60 - 140	0	30
Phenanthrene			80.0	82.0		ug/L		102	68 - 126	3	30
Phenol			80.0	43.9		ug/L		55	10 - 80	0	30
Pyrene			80.0	76.3		ug/L		95	60 - 137	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*127*		*37 - 150*
2-Fluorobiphenyl	*104*		*46 - 139*
2-Fluorophenol (Surr)	*74*		*16 - 80*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-995477/3-A
Matrix: Water
Analysis Batch: 995535

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995477

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	113		51 - 145
Phenol-d5 (Surr)	55		10 - 56
Terphenyl-d14 (Surr)	101		13 - 159

Lab Sample ID: 460-311121-H-6-B MS
Matrix: Water
Analysis Batch: 995535

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995477

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	10	U	40.0	40.5		ug/L		101	35 - 120
3 & 4 Methylphenol	10	U	40.0	35.0		ug/L		87	27 - 120
Acenaphthene	10	U	40.0	51.2	*	ug/L		128	62 - 127
Acenaphthylene	10	U	40.0	55.4	*	ug/L		138	58 - 122
Anthracene	10	U	40.0	51.9	*	ug/L		130	67 - 127
Benzo[a]anthracene	1.0	U	40.0	52.4		ug/L		131	71 - 131
Benzo[a]pyrene	1.0	U	40.0	56.3		ug/L		141	75 - 148
Benzo[b]fluoranthene	2.0	U	40.0	53.1		ug/L		133	70 - 140
Benzo[g,h,i]perylene	10	U	40.0	58.9	*	ug/L		147	52 - 143
Benzo[k]fluoranthene	1.0	U	40.0	54.2		ug/L		136	71 - 140
Chrysene	2.0	U	40.0	50.3		ug/L		126	70 - 132
Dibenz(a,h)anthracene	1.0	U	40.0	51.1		ug/L		128	53 - 150
Dibenzofuran	10	U	40.0	50.5	*	ug/L		126	64 - 125
Fluoranthene	10	U	40.0	57.4	*	ug/L		143	69 - 137
Fluorene	10	U	40.0	51.8	*	ug/L		129	67 - 125
Hexachlorobenzene	1.0	U	40.0	53.9		ug/L		135	62 - 135
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	54.9		ug/L		137	59 - 150
Naphthalene	2.0	U	40.0	51.7	*	ug/L		129	39 - 126
Pentachlorophenol	20	U	80.0	107		ug/L		134	60 - 140
Phenanthrene	10	U	40.0	50.3		ug/L		126	68 - 126
Phenol	10	U	40.0	23.6		ug/L		59	10 - 80
Pyrene	10	U	40.0	47.5		ug/L		119	60 - 137

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	115		37 - 150
2-Fluorobiphenyl	95		46 - 139
2-Fluorophenol (Surr)	57		16 - 80
Nitrobenzene-d5 (Surr)	99		51 - 145
Phenol-d5 (Surr)	42		10 - 56
Terphenyl-d14 (Surr)	58		13 - 159

Lab Sample ID: 460-311121-H-6-C MSD
Matrix: Water
Analysis Batch: 995535

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995477

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	10	U	40.0	34.4		ug/L		86	35 - 120	16	30
3 & 4 Methylphenol	10	U	40.0	30.6		ug/L		76	27 - 120	13	30
Acenaphthene	10	U	40.0	40.5		ug/L		101	62 - 127	23	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-311121-H-6-C MSD
Matrix: Water
Analysis Batch: 995535

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995477

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthylene	10	U	40.0	44.2		ug/L		110	58 - 122	23	30
Anthracene	10	U	40.0	40.3		ug/L		101	67 - 127	25	30
Benzo[a]anthracene	1.0	U	40.0	41.0		ug/L		102	71 - 131	24	30
Benzo[a]pyrene	1.0	U	40.0	44.4		ug/L		111	75 - 148	24	30
Benzo[b]fluoranthene	2.0	U	40.0	42.2		ug/L		105	70 - 140	23	30
Benzo[g,h,i]perylene	10	U	40.0	46.4		ug/L		116	52 - 143	24	30
Benzo[k]fluoranthene	1.0	U	40.0	41.1		ug/L		103	71 - 140	28	30
Chrysene	2.0	U	40.0	39.0		ug/L		97	70 - 132	25	30
Dibenz(a,h)anthracene	1.0	U	40.0	40.5		ug/L		101	53 - 150	23	30
Dibenzofuran	10	U	40.0	40.8		ug/L		102	64 - 125	21	30
Fluoranthene	10	U	40.0	45.4		ug/L		113	69 - 137	23	30
Fluorene	10	U	40.0	41.5		ug/L		104	67 - 125	22	30
Hexachlorobenzene	1.0	U	40.0	41.5		ug/L		104	62 - 135	26	30
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	43.2		ug/L		108	59 - 150	24	30
Naphthalene	2.0	U	40.0	40.7		ug/L		102	39 - 126	24	30
Pentachlorophenol	20	U	80.0	85.4		ug/L		107	60 - 140	23	30
Phenanthrene	10	U	40.0	39.5		ug/L		99	68 - 126	24	30
Phenol	10	U	40.0	22.7		ug/L		57	10 - 80	4	30
Pyrene	10	U	40.0	37.7		ug/L		94	60 - 137	23	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*99*		*37 - 150*
2-Fluorobiphenyl	*79*		*46 - 139*
2-Fluorophenol (Surr)	*58*		*16 - 80*
Nitrobenzene-d5 (Surr)	*82*		*51 - 145*
Phenol-d5 (Surr)	*44*		*10 - 56*
Terphenyl-d14 (Surr)	*41*		*13 - 159*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-995291/1-A
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		09/11/24 16:56	09/12/24 04:33	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-995291/1-A
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		09/11/24 16:56	09/12/24 04:33	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		09/11/24 16:56	09/12/24 04:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*17 - 150*	*09/11/24 16:56*	*09/12/24 04:33*	*1*
DCB Decachlorobiphenyl	*117*		*17 - 150*	*09/11/24 16:56*	*09/12/24 04:33*	*1*
Tetrachloro-m-xylene	*104*		*21 - 150*	*09/11/24 16:56*	*09/12/24 04:33*	*1*
Tetrachloro-m-xylene	*102*		*21 - 150*	*09/11/24 16:56*	*09/12/24 04:33*	*1*

Lab Sample ID: LCS 460-995291/2-A
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.123		mg/Kg		92	70 - 138
4,4'-DDD	0.133	0.138		mg/Kg		103	70 - 138
4,4'-DDE	0.133	0.136		mg/Kg		102	68 - 136
4,4'-DDE	0.133	0.146		mg/Kg		110	68 - 136
4,4'-DDT	0.133	0.131		mg/Kg		99	66 - 149
4,4'-DDT	0.133	0.147		mg/Kg		110	66 - 149
Aldrin	0.133	0.132		mg/Kg		99	69 - 136
Aldrin	0.133	0.146		mg/Kg		109	69 - 136

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-995291/2-A
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995291

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
alpha-BHC			0.133	0.134		mg/Kg		101	72 - 134		
alpha-BHC			0.133	0.137		mg/Kg		103	72 - 134		
beta-BHC			0.133	0.122		mg/Kg		92	71 - 130		
beta-BHC			0.133	0.137		mg/Kg		103	71 - 130		
cis-Chlordane			0.133	0.133		mg/Kg		100	69 - 135		
cis-Chlordane			0.133	0.151		mg/Kg		113	69 - 135		
delta-BHC			0.133	0.126		mg/Kg		94	69 - 140		
delta-BHC			0.133	0.132		mg/Kg		99	69 - 140		
Dieldrin			0.133	0.130		mg/Kg		97	69 - 134		
Dieldrin			0.133	0.144		mg/Kg		108	69 - 134		
Endosulfan I			0.133	0.129		mg/Kg		96	69 - 133		
Endosulfan I			0.133	0.151		mg/Kg		113	69 - 133		
Endosulfan II			0.133	0.131		mg/Kg		98	71 - 137		
Endosulfan II			0.133	0.152		mg/Kg		114	71 - 137		
Endosulfan sulfate			0.133	0.108		mg/Kg		81	61 - 140		
Endosulfan sulfate			0.133	0.113		mg/Kg		85	61 - 140		
Endrin			0.133	0.121		mg/Kg		91	67 - 141		
Endrin			0.133	0.136		mg/Kg		102	67 - 141		
Endrin aldehyde			0.133	0.130		mg/Kg		97	71 - 136		
Endrin aldehyde			0.133	0.141		mg/Kg		106	71 - 136		
Endrin ketone			0.133	0.122		mg/Kg		92	60 - 146		
Endrin ketone			0.133	0.132		mg/Kg		99	60 - 146		
gamma-BHC (Lindane)			0.133	0.133		mg/Kg		100	72 - 139		
gamma-BHC (Lindane)			0.133	0.142		mg/Kg		107	72 - 139		
Heptachlor			0.133	0.131		mg/Kg		98	74 - 138		
Heptachlor			0.133	0.145		mg/Kg		109	74 - 138		
Heptachlor epoxide			0.133	0.134		mg/Kg		100	72 - 134		
Heptachlor epoxide			0.133	0.147		mg/Kg		110	72 - 134		
Methoxychlor			0.133	0.125		mg/Kg		94	60 - 150		
Methoxychlor			0.133	0.127		mg/Kg		95	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*17 - 150*
DCB Decachlorobiphenyl	*90*		*17 - 150*
Tetrachloro-m-xylene	*78*		*21 - 150*
Tetrachloro-m-xylene	*85*		*21 - 150*

Lab Sample ID: LCSD 460-995291/3-A
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995291

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.139		mg/Kg		104	70 - 138	12	30
4,4'-DDD			0.133	0.157		mg/Kg		118	70 - 138	13	30
4,4'-DDE			0.133	0.151		mg/Kg		113	68 - 136	10	30
4,4'-DDE			0.133	0.169		mg/Kg		127	68 - 136	15	30
4,4'-DDT			0.133	0.147		mg/Kg		110	66 - 149	11	30
4,4'-DDT			0.133	0.166		mg/Kg		124	66 - 149	12	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-995291/3-A
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995291

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin			0.133	0.147		mg/Kg		111	69 - 136	11	30
Aldrin			0.133	0.168		mg/Kg		126	69 - 136	14	30
alpha-BHC			0.133	0.151		mg/Kg		113	72 - 134	12	30
alpha-BHC			0.133	0.159		mg/Kg		119	72 - 134	15	30
beta-BHC			0.133	0.145		mg/Kg		109	71 - 130	17	30
beta-BHC			0.133	0.157		mg/Kg		118	71 - 130	14	30
cis-Chlordane			0.133	0.151		mg/Kg		113	69 - 135	13	30
cis-Chlordane			0.133	0.175		mg/Kg		131	69 - 135	15	30
delta-BHC			0.133	0.142		mg/Kg		106	69 - 140	12	30
delta-BHC			0.133	0.153		mg/Kg		114	69 - 140	14	30
Dieldrin			0.133	0.145		mg/Kg		109	69 - 134	11	30
Dieldrin			0.133	0.166		mg/Kg		125	69 - 134	14	30
Endosulfan I			0.133	0.147		mg/Kg		110	69 - 133	13	30
Endosulfan I			0.133	0.174		mg/Kg		130	69 - 133	14	30
Endosulfan II			0.133	0.149		mg/Kg		112	71 - 137	13	30
Endosulfan II			0.133	0.172		mg/Kg		129	71 - 137	13	30
Endosulfan sulfate			0.133	0.121		mg/Kg		91	61 - 140	11	30
Endosulfan sulfate			0.133	0.128		mg/Kg		96	61 - 140	12	30
Endrin			0.133	0.136		mg/Kg		102	67 - 141	11	30
Endrin			0.133	0.155		mg/Kg		116	67 - 141	13	30
Endrin aldehyde			0.133	0.146		mg/Kg		109	71 - 136	11	30
Endrin aldehyde			0.133	0.161		mg/Kg		120	71 - 136	13	30
Endrin ketone			0.133	0.141		mg/Kg		106	60 - 146	14	30
Endrin ketone			0.133	0.150		mg/Kg		112	60 - 146	13	30
gamma-BHC (Lindane)			0.133	0.154		mg/Kg		116	72 - 139	14	30
gamma-BHC (Lindane)			0.133	0.163		mg/Kg		122	72 - 139	14	30
Heptachlor			0.133	0.148		mg/Kg		111	74 - 138	12	30
Heptachlor			0.133	0.167		mg/Kg		125	74 - 138	14	30
Heptachlor epoxide			0.133	0.149		mg/Kg		111	72 - 134	10	30
Heptachlor epoxide			0.133	0.168		mg/Kg		126	72 - 134	14	30
Methoxychlor			0.133	0.141		mg/Kg		106	60 - 150	12	30
Methoxychlor			0.133	0.142		mg/Kg		106	60 - 150	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*17 - 150*
DCB Decachlorobiphenyl	*99*		*17 - 150*
Tetrachloro-m-xylene	*86*		*21 - 150*
Tetrachloro-m-xylene	*95*		*21 - 150*

Lab Sample ID: 460-311069-B-1-E MS
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0072	U	0.144	0.171		mg/Kg	☼	119	70 - 138
4,4'-DDD	0.0072	U	0.144	0.189		mg/Kg	☼	132	70 - 138
4,4'-DDE	0.0072	U	0.144	0.177		mg/Kg	☼	123	68 - 136
4,4'-DDE	0.0072	U	0.144	0.182		mg/Kg	☼	127	68 - 136

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-311069-B-1-E MS
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDT	0.0072	U	0.144	0.181		mg/Kg	☼	126	66 - 149
4,4'-DDT	0.0072	U	0.144	0.202		mg/Kg	☼	140	66 - 149
Aldrin	0.0072	U	0.144	0.162		mg/Kg	☼	113	69 - 136
Aldrin	0.0072	U	0.144	0.169		mg/Kg	☼	118	69 - 136
alpha-BHC	0.0022	U	0.144	0.168		mg/Kg	☼	117	72 - 134
alpha-BHC	0.0022	U	0.144	0.165		mg/Kg	☼	115	72 - 134
beta-BHC	0.0022	U	0.144	0.157		mg/Kg	☼	109	71 - 130
beta-BHC	0.0022	U	0.144	0.159		mg/Kg	☼	111	71 - 130
cis-Chlordane	0.0072	U	0.144	0.177		mg/Kg	☼	123	69 - 135
cis-Chlordane	0.0072	U	0.144	0.181		mg/Kg	☼	126	69 - 135
delta-BHC	0.0022	U	0.144	0.165		mg/Kg	☼	115	69 - 140
delta-BHC	0.0022	U	0.144	0.164		mg/Kg	☼	114	69 - 140
Dieldrin	0.0022	U	0.144	0.172		mg/Kg	☼	120	69 - 134
Dieldrin	0.0022	U	0.144	0.186		mg/Kg	☼	129	69 - 134
Endosulfan I	0.0072	U	0.144	0.175		mg/Kg	☼	122	69 - 133
Endosulfan I	0.0072	U	0.144	0.189		mg/Kg	☼	132	69 - 133
Endosulfan II	0.0072	U	0.144	0.181		mg/Kg	☼	126	71 - 137
Endosulfan II	0.0072	U	0.144	0.204	*	mg/Kg	☼	142	71 - 137
Endosulfan sulfate	0.0072	U	0.144	0.158		mg/Kg	☼	110	61 - 140
Endosulfan sulfate	0.0072	U	0.144	0.173		mg/Kg	☼	120	61 - 140
Endrin	0.0072	U	0.144	0.164		mg/Kg	☼	114	67 - 141
Endrin	0.0072	U	0.144	0.179		mg/Kg	☼	124	67 - 141
Endrin aldehyde	0.0072	U	0.144	0.188		mg/Kg	☼	131	71 - 136
Endrin aldehyde	0.0072	U	0.144	0.211	*	mg/Kg	☼	147	71 - 136
Endrin ketone	0.0072	U	0.144	0.186		mg/Kg	☼	130	60 - 146
Endrin ketone	0.0072	U	0.144	0.208		mg/Kg	☼	145	60 - 146
gamma-BHC (Lindane)	0.0022	U	0.144	0.169		mg/Kg	☼	118	72 - 139
gamma-BHC (Lindane)	0.0022	U	0.144	0.164		mg/Kg	☼	114	72 - 139
Heptachlor	0.0072	U	0.144	0.161		mg/Kg	☼	112	74 - 138
Heptachlor	0.0072	U	0.144	0.169		mg/Kg	☼	118	74 - 138
Heptachlor epoxide	0.0072	U	0.144	0.170		mg/Kg	☼	118	72 - 134
Heptachlor epoxide	0.0072	U	0.144	0.181		mg/Kg	☼	126	72 - 134
Methoxychlor	0.0072	U	0.144	0.173		mg/Kg	☼	121	60 - 150
Methoxychlor	0.0072	U	0.144	0.197		mg/Kg	☼	138	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*17 - 150*
DCB Decachlorobiphenyl	*113*		*17 - 150*
Tetrachloro-m-xylene	*80*		*21 - 150*
Tetrachloro-m-xylene	*81*		*21 - 150*

Lab Sample ID: 460-311069-B-1-F MSD
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0072	U	0.144	0.175		mg/Kg	☼	122	70 - 138	3	30
4,4'-DDD	0.0072	U	0.144	0.194		mg/Kg	☼	135	70 - 138	3	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-311069-B-1-F MSD
Matrix: Solid
Analysis Batch: 995371

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDE	0.0072	U	0.144	0.181		mg/Kg	☼	126	68 - 136	3	30
4,4'-DDE	0.0072	U	0.144	0.188		mg/Kg	☼	131	68 - 136	3	30
4,4'-DDT	0.0072	U	0.144	0.187		mg/Kg	☼	130	66 - 149	3	30
4,4'-DDT	0.0072	U	0.144	0.208		mg/Kg	☼	144	66 - 149	3	30
Aldrin	0.0072	U	0.144	0.165		mg/Kg	☼	115	69 - 136	2	30
Aldrin	0.0072	U	0.144	0.173		mg/Kg	☼	121	69 - 136	3	30
alpha-BHC	0.0022	U	0.144	0.172		mg/Kg	☼	120	72 - 134	2	30
alpha-BHC	0.0022	U	0.144	0.170		mg/Kg	☼	118	72 - 134	3	30
beta-BHC	0.0022	U	0.144	0.160		mg/Kg	☼	112	71 - 130	2	30
beta-BHC	0.0022	U	0.144	0.163		mg/Kg	☼	114	71 - 130	3	30
cis-Chlordane	0.0072	U	0.144	0.181		mg/Kg	☼	126	69 - 135	2	30
cis-Chlordane	0.0072	U	0.144	0.185		mg/Kg	☼	129	69 - 135	3	30
delta-BHC	0.0022	U	0.144	0.169		mg/Kg	☼	117	69 - 140	2	30
delta-BHC	0.0022	U	0.144	0.168		mg/Kg	☼	117	69 - 140	3	30
Dieldrin	0.0022	U	0.144	0.176		mg/Kg	☼	123	69 - 134	2	30
Dieldrin	0.0022	U	0.144	0.191		mg/Kg	☼	133	69 - 134	3	30
Endosulfan I	0.0072	U	0.144	0.179		mg/Kg	☼	125	69 - 133	2	30
Endosulfan I	0.0072	U	0.144	0.194	*	mg/Kg	☼	135	69 - 133	2	30
Endosulfan II	0.0072	U	0.144	0.186		mg/Kg	☼	130	71 - 137	3	30
Endosulfan II	0.0072	U	0.144	0.210	*	mg/Kg	☼	146	71 - 137	3	30
Endosulfan sulfate	0.0072	U	0.144	0.162		mg/Kg	☼	113	61 - 140	3	30
Endosulfan sulfate	0.0072	U	0.144	0.178		mg/Kg	☼	123	61 - 140	3	30
Endrin	0.0072	U	0.144	0.169		mg/Kg	☼	118	67 - 141	3	30
Endrin	0.0072	U	0.144	0.184		mg/Kg	☼	128	67 - 141	3	30
Endrin aldehyde	0.0072	U	0.144	0.192		mg/Kg	☼	134	71 - 136	2	30
Endrin aldehyde	0.0072	U	0.144	0.218	*	mg/Kg	☼	152	71 - 136	3	30
Endrin ketone	0.0072	U	0.144	0.192		mg/Kg	☼	134	60 - 146	3	30
Endrin ketone	0.0072	U	0.144	0.215	*	mg/Kg	☼	149	60 - 146	3	30
gamma-BHC (Lindane)	0.0022	U	0.144	0.174		mg/Kg	☼	121	72 - 139	3	30
gamma-BHC (Lindane)	0.0022	U	0.144	0.168		mg/Kg	☼	117	72 - 139	3	30
Heptachlor	0.0072	U	0.144	0.165		mg/Kg	☼	115	74 - 138	3	30
Heptachlor	0.0072	U	0.144	0.174		mg/Kg	☼	121	74 - 138	3	30
Heptachlor epoxide	0.0072	U	0.144	0.174		mg/Kg	☼	121	72 - 134	2	30
Heptachlor epoxide	0.0072	U	0.144	0.186		mg/Kg	☼	129	72 - 134	3	30
Methoxychlor	0.0072	U	0.144	0.180		mg/Kg	☼	125	60 - 150	4	30
Methoxychlor	0.0072	U	0.144	0.203		mg/Kg	☼	142	60 - 150	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*119*		*17 - 150*
DCB Decachlorobiphenyl	*133*		*17 - 150*
Tetrachloro-m-xylene	*93*		*21 - 150*
Tetrachloro-m-xylene	*94*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-995329/1-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/11/24 20:10	09/12/24 04:16	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/11/24 20:10	09/12/24 04:16	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/11/24 20:10	09/12/24 04:16	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/11/24 20:10	09/12/24 04:16	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/11/24 20:10	09/12/24 04:16	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/11/24 20:10	09/12/24 04:16	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/11/24 20:10	09/12/24 04:16	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/11/24 20:10	09/12/24 04:16	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/11/24 20:10	09/12/24 04:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*30 - 131*	*09/11/24 20:10*	*09/12/24 04:16*	*1*
DCB Decachlorobiphenyl	*91*		*30 - 131*	*09/11/24 20:10*	*09/12/24 04:16*	*1*
Tetrachloro-m-xylene	*95*		*34 - 120*	*09/11/24 20:10*	*09/12/24 04:16*	*1*
Tetrachloro-m-xylene	*86*		*34 - 120*	*09/11/24 20:10*	*09/12/24 04:16*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 460-995329/2-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995329

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			0.800	0.759		ug/L		95	69 - 138		
4,4'-DDE			0.800	0.785		ug/L		98	68 - 130		
4,4'-DDT			0.800	0.694		ug/L		87	57 - 1505		
Aldrin			0.800	0.772		ug/L		97	67 - 129		
alpha-BHC			0.800	0.742		ug/L		93	70 - 125		
beta-BHC			0.800	0.733		ug/L		92	70 - 129		
cis-Chlordane			0.800	0.766		ug/L		96	72 - 126		
delta-BHC			0.800	0.583		ug/L		73	44 - 120		
Dieldrin			0.800	0.763		ug/L		95	72 - 128		
Endosulfan I			0.800	0.804		ug/L		100	73 - 127		
Endosulfan II			0.800	0.802		ug/L		100	73 - 134		
Endosulfan sulfate			0.800	0.688		ug/L		86	61 - 128		
Endrin			0.800	0.763		ug/L		95	64 - 138		
Endrin aldehyde			0.800	0.770		ug/L		96	74 - 133		
Endrin ketone			0.800	0.781		ug/L		98	56 - 150		
gamma-BHC (Lindane)			0.800	0.762		ug/L		95	73 - 132		
Heptachlor			0.800	0.781		ug/L		98	70 - 134		
Heptachlor epoxide			0.800	0.771		ug/L		96	75 - 126		
Methoxychlor			0.800	0.613		ug/L		77	49 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*102*		*30 - 131*
DCB Decachlorobiphenyl	*96*		*30 - 131*
Tetrachloro-m-xylene	*91*		*34 - 120*
Tetrachloro-m-xylene	*99*		*34 - 120*

Lab Sample ID: LCSD 460-995329/3-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.800	0.745		ug/L		93	69 - 138	NaN	30
4,4'-DDD			0.800	0.746		ug/L		93	69 - 138	2	30
4,4'-DDE			0.800	0.809		ug/L		101	68 - 130	NaN	30
4,4'-DDE			0.800	0.770		ug/L		96	68 - 130	6	30
4,4'-DDT			0.800	0.685		ug/L		86	57 - 1505	NaN	30
4,4'-DDT			0.800	0.725		ug/L		91	57 - 1505	4	30
Aldrin			0.800	0.822		ug/L		103	67 - 129	NaN	30
Aldrin			0.800	0.757		ug/L		95	67 - 129	8	30
alpha-BHC			0.800	0.777		ug/L		97	70 - 125	NaN	30
alpha-BHC			0.800	0.725		ug/L		91	70 - 125	7	30
beta-BHC			0.800	0.770		ug/L		96	70 - 129	NaN	30
beta-BHC			0.800	0.720		ug/L		90	70 - 129	8	30
cis-Chlordane			0.800	0.813		ug/L		102	72 - 126	NaN	30
cis-Chlordane			0.800	0.752		ug/L		94	72 - 126	8	30
delta-BHC			0.800	0.598		ug/L		75	44 - 120	NaN	30
delta-BHC			0.800	0.572		ug/L		72	44 - 120	5	30
Dieldrin			0.800	0.811		ug/L		101	72 - 128	NaN	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-995329/3-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dieldrin			0.800	0.750		ug/L		94	72 - 128	8	30
Endosulfan I			0.800	0.817		ug/L		102	73 - 127	NaN	30
Endosulfan I			0.800	0.791		ug/L		99	73 - 127	4	30
Endosulfan II			0.800	0.878		ug/L		110	73 - 134	NaN	30
Endosulfan II			0.800	0.789		ug/L		99	73 - 134	11	30
Endosulfan sulfate			0.800	0.736		ug/L		92	61 - 128	NaN	30
Endosulfan sulfate			0.800	0.681		ug/L		85	61 - 128	9	30
Endrin			0.800	0.756		ug/L		94	64 - 138	NaN	30
Endrin			0.800	0.849		ug/L		106	64 - 138	11	30
Endrin aldehyde			0.800	0.860		ug/L		107	74 - 133	NaN	30
Endrin aldehyde			0.800	0.757		ug/L		95	74 - 133	14	30
Endrin ketone			0.800	0.869		ug/L		109	56 - 150	NaN	30
Endrin ketone			0.800	0.768		ug/L		96	56 - 150	11	30
gamma-BHC (Lindane)			0.800	0.795		ug/L		99	73 - 132	NaN	30
gamma-BHC (Lindane)			0.800	0.748		ug/L		94	73 - 132	6	30
Heptachlor			0.800	0.820		ug/L		103	70 - 134	NaN	30
Heptachlor			0.800	0.767		ug/L		96	70 - 134	7	30
Heptachlor epoxide			0.800	0.814		ug/L		102	75 - 126	NaN	30
Heptachlor epoxide			0.800	0.758		ug/L		95	75 - 126	7	30
Methoxychlor			0.800	0.613		ug/L		77	49 - 150	NaN	30
Methoxychlor			0.800	0.725		ug/L		91	49 - 150	17	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*30 - 131*
DCB Decachlorobiphenyl	*91*		*30 - 131*
Tetrachloro-m-xylene	*87*		*34 - 120*
Tetrachloro-m-xylene	*93*		*34 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-995290/1-A
Matrix: Solid
Analysis Batch: 995272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-995290/1-A
Matrix: Solid
Analysis Batch: 995272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		09/11/24 16:52	09/11/24 20:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*20 - 150*	*09/11/24 16:52*	*09/11/24 20:26*	*1*
DCB Decachlorobiphenyl	*124*		*20 - 150*	*09/11/24 16:52*	*09/11/24 20:26*	*1*
Tetrachloro-m-xylene	*108*		*20 - 150*	*09/11/24 16:52*	*09/11/24 20:26*	*1*
Tetrachloro-m-xylene	*109*		*20 - 150*	*09/11/24 16:52*	*09/11/24 20:26*	*1*

Lab Sample ID: LCS 460-995290/2-A
Matrix: Solid
Analysis Batch: 995272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995290

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.392		mg/Kg		118	54 - 136		
Aroclor 1016			0.333	0.432		mg/Kg		130	54 - 136		
Aroclor 1260			0.333	0.373		mg/Kg		112	53 - 145		
Aroclor 1260			0.333	0.431		mg/Kg		129	53 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*135*		*20 - 150*
DCB Decachlorobiphenyl	*124*		*20 - 150*
Tetrachloro-m-xylene	*104*		*20 - 150*
Tetrachloro-m-xylene	*95*		*20 - 150*

Lab Sample ID: LCSD 460-995290/3-A
Matrix: Solid
Analysis Batch: 995272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995290

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.307		mg/Kg		92	54 - 136	24	30
Aroclor 1016			0.333	0.345		mg/Kg		103	54 - 136	23	30
Aroclor 1260			0.333	0.293		mg/Kg		88	53 - 145	24	30
Aroclor 1260			0.333	0.338		mg/Kg		101	53 - 145	24	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*125*		*20 - 150*
DCB Decachlorobiphenyl	*127*		*20 - 150*
Tetrachloro-m-xylene	*107*		*20 - 150*
Tetrachloro-m-xylene	*110*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-995331/1-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*18 - 145*	*09/11/24 20:11*	*09/12/24 06:51*	*1*
DCB Decachlorobiphenyl	*66*		*18 - 145*	*09/11/24 20:11*	*09/12/24 06:51*	*1*
Tetrachloro-m-xylene	*70*		*21 - 124*	*09/11/24 20:11*	*09/12/24 06:51*	*1*
Tetrachloro-m-xylene	*71*		*21 - 124*	*09/11/24 20:11*	*09/12/24 06:51*	*1*

Lab Sample ID: LCS 460-995331/2-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	4.00	2.33		ug/L		58	42 - 120
Aroclor 1016	4.00	2.53		ug/L		63	42 - 120
Aroclor 1260	4.00	2.45		ug/L		61	42 - 126
Aroclor 1260	4.00	2.66		ug/L		66	42 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*18 - 145*
DCB Decachlorobiphenyl	*65*		*18 - 145*
Tetrachloro-m-xylene	*68*		*21 - 124*
Tetrachloro-m-xylene	*73*		*21 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-995331/3-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995331

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			4.00	2.26		ug/L		57	42 - 120	3	30
Aroclor 1016			4.00	2.36		ug/L		59	42 - 120	7	30
Aroclor 1260			4.00	2.33		ug/L		58	42 - 126	5	30
Aroclor 1260			4.00	2.36		ug/L		59	42 - 126	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*76*		*18 - 145*
DCB Decachlorobiphenyl	*63*		*18 - 145*
Tetrachloro-m-xylene	*68*		*21 - 124*
Tetrachloro-m-xylene	*72*		*21 - 124*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-995341/1-A
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 995341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		09/11/24 18:55	09/12/24 13:15	1
Barium	4.0	U	4.0	0.93	ug/L		09/11/24 18:55	09/12/24 13:15	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/11/24 18:55	09/12/24 13:15	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/11/24 18:55	09/12/24 13:15	1
Chromium	4.0	U	4.0	1.7	ug/L		09/11/24 18:55	09/12/24 13:15	1
Copper	4.0	U	4.0	2.0	ug/L		09/11/24 18:55	09/12/24 13:15	1
Lead	1.2	U	1.2	0.42	ug/L		09/11/24 18:55	09/12/24 13:15	1
Manganese	8.0	U	8.0	0.84	ug/L		09/11/24 18:55	09/12/24 13:15	1
Nickel	4.0	U	4.0	1.4	ug/L		09/11/24 18:55	09/12/24 13:15	1
Selenium	2.5	U	2.5	0.43	ug/L		09/11/24 18:55	09/12/24 13:15	1
Silver	2.0	U	2.0	1.3	ug/L		09/11/24 18:55	09/12/24 13:15	1
Zinc	16.0	U	16.0	4.2	ug/L		09/11/24 18:55	09/12/24 13:15	1

Lab Sample ID: LCS 460-995341/2-A
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 995341

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			50.0	51.55		ug/L		103	80 - 120
Barium			50.0	50.11		ug/L		100	80 - 120
Beryllium			25.0	25.51		ug/L		102	80 - 120
Cadmium			25.0	25.53		ug/L		102	80 - 120
Chromium			50.0	52.52		ug/L		105	80 - 120
Copper			50.0	54.41		ug/L		109	80 - 120
Lead			25.0	25.32		ug/L		101	80 - 120
Manganese			250	253.3		ug/L		101	80 - 120
Nickel			50.0	52.94		ug/L		106	80 - 120
Selenium			50.0	49.12		ug/L		98	80 - 120
Silver			25.0	25.55		ug/L		102	80 - 120
Zinc			250	259.3		ug/L		104	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311030-H-3-C MS ^5
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 995341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	10.0	U	50.0	47.10		ug/L		94	75 - 125
Barium	304		50.0	323.7	4	ug/L		40	75 - 125
Beryllium	4.0	U	25.0	23.20		ug/L		93	75 - 125
Cadmium	10.0	U	25.0	23.06		ug/L		92	75 - 125
Chromium	44.7		50.0	85.47		ug/L		82	75 - 125
Copper	22.7		50.0	61.16		ug/L		77	75 - 125
Lead	4.9	J	25.0	27.14		ug/L		89	75 - 125
Manganese	26400		250	23940	4	ug/L		-966	75 - 125
Nickel	52.0		50.0	91.68		ug/L		79	75 - 125
Selenium	12.5	U	50.0	44.54		ug/L		89	75 - 125
Silver	10.0	U	25.0	22.55		ug/L		90	75 - 125
Zinc	24.9	J	250	250.1		ug/L		90	75 - 125

Lab Sample ID: 460-311030-H-3-D MSD ^5
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 995341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	10.0	U	50.0	48.21		ug/L		96	75 - 125	2	20
Barium	304		50.0	333.2	4	ug/L		59	75 - 125	3	20
Beryllium	4.0	U	25.0	22.37		ug/L		89	75 - 125	4	20
Cadmium	10.0	U	25.0	22.77		ug/L		91	75 - 125	1	20
Chromium	44.7		50.0	86.42		ug/L		83	75 - 125	1	20
Copper	22.7		50.0	64.12		ug/L		83	75 - 125	5	20
Lead	4.9	J	25.0	27.31		ug/L		89	75 - 125	1	20
Manganese	26400		250	24410	4	ug/L		-778	75 - 125	2	20
Nickel	52.0		50.0	92.98		ug/L		82	75 - 125	1	20
Selenium	12.5	U	50.0	45.82		ug/L		92	75 - 125	3	20
Silver	10.0	U	25.0	22.67		ug/L		91	75 - 125	1	20
Zinc	24.9	J	250	249.0		ug/L		90	75 - 125	0	20

Lab Sample ID: 460-311030-H-3-B DU ^5
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 995341

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	10.0	U	10.0	U	ug/L		NC	20
Barium	304		304.6		ug/L		0.2	20
Beryllium	4.0	U	4.0	U	ug/L		NC	20
Cadmium	10.0	U	10.0	U	ug/L		NC	20
Chromium	44.7		43.98		ug/L		2	20
Copper	22.7		18.90	J	ug/L		18	20
Lead	4.9	J	4.76	J	ug/L		4	20
Manganese	26400		25840		ug/L		2	20
Nickel	52.0		50.35		ug/L		3	20
Selenium	12.5	U	12.5	U	ug/L		NC	20
Silver	10.0	U	10.0	U	ug/L		NC	20
Zinc	24.9	J	24.44	J	ug/L		2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-995249/1-A
Matrix: Water
Analysis Batch: 995289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995249

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/11/24 12:35	09/11/24 14:05	1

Lab Sample ID: LCS 460-995249/2-A
Matrix: Water
Analysis Batch: 995289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995249

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.983		ug/L		98	80 - 120

Lab Sample ID: 460-310615-H-5-B MSD
Matrix: Water
Analysis Batch: 995289

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995249

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.00		ug/L		100	75 - 125	5	20

Lab Sample ID: 460-310615-J-5-B MS
Matrix: Water
Analysis Batch: 995289

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995249

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.06		ug/L		106	75 - 125

Lab Sample ID: 460-310615-F-5-E DU
Matrix: Water
Analysis Batch: 995289

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 995249

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-995581/1-A
Matrix: Solid
Analysis Batch: 995631

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		09/13/24 01:13	09/13/24 05:41	1

Lab Sample ID: LCSSRM 460-995581/2-A ^40
Matrix: Solid
Analysis Batch: 995631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995581

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	22.55		mg/Kg		98.9	70.6 - 129.4

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

Lab Sample ID: 460-310692-I-1-H MS
Matrix: Solid
Analysis Batch: 995631

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995581

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.059		0.0841	0.124	N	mg/Kg	☼	78	80 - 120

Lab Sample ID: 460-310692-I-1-G DU
Matrix: Solid
Analysis Batch: 995631

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 995581

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.059		0.0628		mg/Kg	☼	7	20

Lab Sample ID: MB 460-996005/10-A
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		09/16/24 00:42	09/16/24 04:09	1

Lab Sample ID: LCSSRM 460-996005/11-A ^40
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996005

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	24.50		mg/Kg		107.5	70.6 - 129.4

Lab Sample ID: 460-311117-E-9-R MS
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 996005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.43		0.0837	0.510	4	mg/Kg	☼	96	80 - 120

Lab Sample ID: 460-311117-E-9-S MSD
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 996005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.43		0.0837	0.523	4	mg/Kg	☼	111	80 - 120	2	20

Lab Sample ID: 460-311117-A-9-D DU
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 996005

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.43		0.445		mg/Kg	☼	3	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-995193/1-A
Matrix: Water
Analysis Batch: 995221

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10.0	U	10.0	8.1	ug/L			09/11/24 08:40	1

Lab Sample ID: MB 460-995221/10
Matrix: Water
Analysis Batch: 995221

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10.0	U	10.0	8.1	ug/L			09/11/24 08:40	1

Lab Sample ID: LCSSRM 460-995221/11
Matrix: Water
Analysis Batch: 995221

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	77.6	76.33		ug/L		98	84.2 - 114

Lab Sample ID: MB 460-996304/1-A
Matrix: Solid
Analysis Batch: 996347

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996304

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.0	U	2.0	0.85	mg/Kg		09/17/24 10:16	09/17/24 13:00	1

Lab Sample ID: LCSI 460-996304/3-A
Matrix: Solid
Analysis Batch: 996347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996304

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	708	688.0		mg/Kg		97	80 - 120

Lab Sample ID: LCSSRM 460-996304/2-A
Matrix: Solid
Analysis Batch: 996347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996304

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	14.9	14.09		mg/Kg		94.3	84.2 - 114.5

Lab Sample ID: 460-310466-B-3-S MSS
Matrix: Solid
Analysis Batch: 996347

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 996304

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	2.0	U	40.5	35.80		mg/Kg	☼	88	75 - 125

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 460-310466-B-3-T MSI
Matrix: Solid
Analysis Batch: 996347

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 996304

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	2.0	U	717	668.2		mg/Kg	☼	93	75 - 125

Lab Sample ID: 460-310466-B-3-R DU
Matrix: Solid
Analysis Batch: 996347

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 996304

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	2.0	U	2.0	U	mg/Kg	☼	NC	20

Lab Sample ID: 460-311078-A-3-A MS
Matrix: Water
Analysis Batch: 995221

Client Sample ID: Matrix Spike
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	120		250	370.6		ug/L		100	85 - 115

Lab Sample ID: 460-311078-A-3-A DU
Matrix: Water
Analysis Batch: 995221

Client Sample ID: Duplicate
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	120		119.1		ug/L		0.9	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-995976/1-A
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		09/15/24 14:31	09/15/24 17:10	1

Lab Sample ID: LCSSRM 460-995976/2-A ^20
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995976

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	183	81.12		mg/Kg		44.3	21.9 - 121.9

Lab Sample ID: 460-311096-9 MS
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: RXSB-8_4-6
Prep Type: Total/NA
Prep Batch: 995976

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.19	J	4.07	3.95		mg/Kg	☼	92	29 - 100

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-311096-9 MSD
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: RXSB-8_4-6
Prep Type: Total/NA
Prep Batch: 995976

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.19	J	4.07	4.35	N	mg/Kg	☼	102	29 - 100	10	40

Lab Sample ID: LCS 460-995993/13-A
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.103		mg/L		103	85 - 115

Lab Sample ID: MRL 460-995993/11-A
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995993

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.00738	J	mg/L		74	50 - 150

Lab Sample ID: 460-311118-D-7-B MS
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995993

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.042		0.200	0.233		mg/L		96	90 - 110

Lab Sample ID: 460-311118-D-7-C MSD
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995993

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.042		0.200	0.241		mg/L		100	90 - 110	3	35

Method: Moisture - Percent Moisture

Lab Sample ID: 460-311096-4 DU
Matrix: Solid
Analysis Batch: 995077

Client Sample ID: RXSB-10_4-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	2.3		20.0	*	%		159	20
Percent Solids	97.7		80.0		%		20	20

GC/MS VOA

Prep Batch: 995140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	5035	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	5035	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	5035	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	5035	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	5035	
460-311096-7	RXSB-3_4-6	Total/NA	Solid	5035	
460-311096-8	RXSB-8_0-2	Total/NA	Solid	5035	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	5035	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	5035	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	5035	
460-311096-12	DUP_09092024	Total/NA	Solid	5035	
LB3 460-995140/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 995292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	8260D	995140
460-311096-2	RXSB-5_4-6	Total/NA	Solid	8260D	995140
460-311096-3	RXSB-10_0-2	Total/NA	Solid	8260D	995140
460-311096-4	RXSB-10_4-6	Total/NA	Solid	8260D	995140
460-311096-6	RXSB-3_0-2	Total/NA	Solid	8260D	995140
460-311096-7	RXSB-3_4-6	Total/NA	Solid	8260D	995140
460-311096-8	RXSB-8_0-2	Total/NA	Solid	8260D	995140
460-311096-9	RXSB-8_4-6	Total/NA	Solid	8260D	995140
460-311096-10	RXSB-9_0-2	Total/NA	Solid	8260D	995140
460-311096-11	RXSB-9_4-6	Total/NA	Solid	8260D	995140
460-311096-12	DUP_09092024	Total/NA	Solid	8260D	995140
LB3 460-995140/1-A	Method Blank	Total/NA	Solid	8260D	995140
MB 460-995292/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-995292/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-995292/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 995611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	8260D	
460-311096-13	TB_09092024	Total/NA	Water	8260D	
MB 460-995611/8	Method Blank	Total/NA	Water	8260D	
LCS 460-995611/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-995611/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 995337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-11 - DL	RXSB-9_4-6	Total/NA	Solid	3546	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	3546	
460-311096-12	DUP_09092024	Total/NA	Solid	3546	
MB 460-995337/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995337/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995337/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

GC/MS Semi VOA

Prep Batch: 995338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	3546	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	3546	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	3546	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	3546	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	3546	
460-311096-7	RXSB-3_4-6	Total/NA	Solid	3546	
460-311096-8	RXSB-8_0-2	Total/NA	Solid	3546	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	3546	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	3546	
MB 460-995338/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995338/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995338/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 995383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	8270E	995338
460-311096-2	RXSB-5_4-6	Total/NA	Solid	8270E	995338
460-311096-3	RXSB-10_0-2	Total/NA	Solid	8270E	995338
460-311096-4	RXSB-10_4-6	Total/NA	Solid	8270E	995338
460-311096-6	RXSB-3_0-2	Total/NA	Solid	8270E	995338
460-311096-7	RXSB-3_4-6	Total/NA	Solid	8270E	995338
460-311096-8	RXSB-8_0-2	Total/NA	Solid	8270E	995338
460-311096-9	RXSB-8_4-6	Total/NA	Solid	8270E	995338
460-311096-10	RXSB-9_0-2	Total/NA	Solid	8270E	995338
MB 460-995338/1-A	Method Blank	Total/NA	Solid	8270E	995338
LCS 460-995338/2-A	Lab Control Sample	Total/NA	Solid	8270E	995338
LCSD 460-995338/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	995338

Analysis Batch: 995400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-11	RXSB-9_4-6	Total/NA	Solid	8270E	995337
460-311096-11 - DL	RXSB-9_4-6	Total/NA	Solid	8270E	995337
460-311096-12	DUP_09092024	Total/NA	Solid	8270E	995337
MB 460-995337/1-A	Method Blank	Total/NA	Solid	8270E	995337
LCS 460-995337/2-A	Lab Control Sample	Total/NA	Solid	8270E	995337
LCSD 460-995337/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	995337

Prep Batch: 995477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	3510C	
MB 460-995477/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995477/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995477/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311121-H-6-B MS	Matrix Spike	Total/NA	Water	3510C	
460-311121-H-6-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 995535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	8270E	995477
MB 460-995477/1-A	Method Blank	Total/NA	Water	8270E	995477
LCS 460-995477/2-A	Lab Control Sample	Total/NA	Water	8270E	995477

GC/MS Semi VOA (Continued)

Analysis Batch: 995535 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-995477/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	995477
460-311121-H-6-B MS	Matrix Spike	Total/NA	Water	8270E	995477
460-311121-H-6-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	995477

GC Semi VOA

Analysis Batch: 995272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995290/1-A	Method Blank	Total/NA	Solid	8082A	995290
LCS 460-995290/2-A	Lab Control Sample	Total/NA	Solid	8082A	995290
LCSD 460-995290/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	995290

Analysis Batch: 995283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	8082A	995290
460-311096-2	RXSB-5_4-6	Total/NA	Solid	8082A	995290
460-311096-3	RXSB-10_0-2	Total/NA	Solid	8082A	995290
460-311096-4	RXSB-10_4-6	Total/NA	Solid	8082A	995290
460-311096-6	RXSB-3_0-2	Total/NA	Solid	8082A	995290
460-311096-7	RXSB-3_4-6	Total/NA	Solid	8082A	995290
460-311096-8	RXSB-8_0-2	Total/NA	Solid	8082A	995290
460-311096-9	RXSB-8_4-6	Total/NA	Solid	8082A	995290
460-311096-10	RXSB-9_0-2	Total/NA	Solid	8082A	995290
460-311096-11	RXSB-9_4-6	Total/NA	Solid	8082A	995290
460-311096-12	DUP_09092024	Total/NA	Solid	8082A	995290

Prep Batch: 995290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	3546	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	3546	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	3546	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	3546	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	3546	
460-311096-7	RXSB-3_4-6	Total/NA	Solid	3546	
460-311096-8	RXSB-8_0-2	Total/NA	Solid	3546	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	3546	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	3546	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	3546	
460-311096-12	DUP_09092024	Total/NA	Solid	3546	
MB 460-995290/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995290/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995290/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 995291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	3546	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	3546	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	3546	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	3546	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	3546	
460-311096-7	RXSB-3_4-6	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 995291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-8	RXSB-8_0-2	Total/NA	Solid	3546	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	3546	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	3546	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	3546	
460-311096-12	DUP_09092024	Total/NA	Solid	3546	
MB 460-995291/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995291/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995291/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-311069-B-1-E MS	Matrix Spike	Total/NA	Solid	3546	
460-311069-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 995329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	3510C	
MB 460-995329/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995329/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995329/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 995331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	3510C	
MB 460-995331/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995331/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995331/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 995371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995291/1-A	Method Blank	Total/NA	Solid	8081B	995291
LCS 460-995291/2-A	Lab Control Sample	Total/NA	Solid	8081B	995291
LCSD 460-995291/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	995291
460-311069-B-1-E MS	Matrix Spike	Total/NA	Solid	8081B	995291
460-311069-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	995291

Analysis Batch: 995374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	8081B	995291
460-311096-2	RXSB-5_4-6	Total/NA	Solid	8081B	995291
460-311096-3	RXSB-10_0-2	Total/NA	Solid	8081B	995291
460-311096-4	RXSB-10_4-6	Total/NA	Solid	8081B	995291
460-311096-5	FB_09092024	Total/NA	Water	8081B	995329
460-311096-6	RXSB-3_0-2	Total/NA	Solid	8081B	995291
460-311096-7	RXSB-3_4-6	Total/NA	Solid	8081B	995291
460-311096-8	RXSB-8_0-2	Total/NA	Solid	8081B	995291
460-311096-9	RXSB-8_4-6	Total/NA	Solid	8081B	995291
460-311096-10	RXSB-9_0-2	Total/NA	Solid	8081B	995291
460-311096-11	RXSB-9_4-6	Total/NA	Solid	8081B	995291
460-311096-12	DUP_09092024	Total/NA	Solid	8081B	995291
MB 460-995329/1-A	Method Blank	Total/NA	Water	8081B	995329
LCS 460-995329/2-A	Lab Control Sample	Total/NA	Water	8081B	995329
LCSD 460-995329/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	995329

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Analysis Batch: 995378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	8082A	995331
MB 460-995331/1-A	Method Blank	Total/NA	Water	8082A	995331
LCS 460-995331/2-A	Lab Control Sample	Total/NA	Water	8082A	995331
LCSD 460-995331/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	995331

Metals

Prep Batch: 995181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	3050B	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	3050B	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	3050B	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	3050B	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	3050B	
460-311096-7	RXSB-3_4-6	Total/NA	Solid	3050B	
460-311096-8	RXSB-8_0-2	Total/NA	Solid	3050B	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	3050B	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	3050B	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	3050B	
460-311096-12	DUP_09092024	Total/NA	Solid	3050B	

Prep Batch: 995249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	7470A	
MB 460-995249/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-995249/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-310615-H-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
460-310615-J-5-B MS	Matrix Spike	Total/NA	Water	7470A	
460-310615-F-5-E DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 995268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	6020B	995181
460-311096-2	RXSB-5_4-6	Total/NA	Solid	6020B	995181
460-311096-3	RXSB-10_0-2	Total/NA	Solid	6020B	995181
460-311096-4	RXSB-10_4-6	Total/NA	Solid	6020B	995181
460-311096-6	RXSB-3_0-2	Total/NA	Solid	6020B	995181
460-311096-7	RXSB-3_4-6	Total/NA	Solid	6020B	995181
460-311096-8	RXSB-8_0-2	Total/NA	Solid	6020B	995181
460-311096-9	RXSB-8_4-6	Total/NA	Solid	6020B	995181
460-311096-10	RXSB-9_0-2	Total/NA	Solid	6020B	995181
460-311096-11	RXSB-9_4-6	Total/NA	Solid	6020B	995181
460-311096-12	DUP_09092024	Total/NA	Solid	6020B	995181

Analysis Batch: 995289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	7470A	995249
MB 460-995249/1-A	Method Blank	Total/NA	Water	7470A	995249
LCS 460-995249/2-A	Lab Control Sample	Total/NA	Water	7470A	995249
460-310615-H-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	995249
460-310615-J-5-B MS	Matrix Spike	Total/NA	Water	7470A	995249

Metals (Continued)

Analysis Batch: 995289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-310615-F-5-E DU	Duplicate	Total/NA	Water	7470A	995249

Prep Batch: 995341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total Recoverable	Water	3005A	
MB 460-995341/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-995341/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311030-H-3-C MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
460-311030-H-3-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
460-311030-H-3-B DU ^5	Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 995489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total Recoverable	Water	6020B	995341
MB 460-995341/1-A	Method Blank	Total Recoverable	Water	6020B	995341
LCS 460-995341/2-A	Lab Control Sample	Total Recoverable	Water	6020B	995341
460-311030-H-3-C MS ^5	Matrix Spike	Total Recoverable	Water	6020B	995341
460-311030-H-3-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020B	995341
460-311030-H-3-B DU ^5	Duplicate	Total Recoverable	Water	6020B	995341

Prep Batch: 995581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	7471B	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	7471B	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	7471B	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	7471B	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	7471B	
MB 460-995581/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-995581/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-310692-I-1-H MS	Matrix Spike	Total/NA	Solid	7471B	
460-310692-I-1-G DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 995631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	7471B	995581
460-311096-2	RXSB-5_4-6	Total/NA	Solid	7471B	995581
460-311096-3	RXSB-10_0-2	Total/NA	Solid	7471B	995581
460-311096-4	RXSB-10_4-6	Total/NA	Solid	7471B	995581
460-311096-6	RXSB-3_0-2	Total/NA	Solid	7471B	995581
MB 460-995581/1-A	Method Blank	Total/NA	Solid	7471B	995581
LCSSRM 460-995581/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	995581
460-310692-I-1-H MS	Matrix Spike	Total/NA	Solid	7471B	995581
460-310692-I-1-G DU	Duplicate	Total/NA	Solid	7471B	995581

Prep Batch: 996005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-7	RXSB-3_4-6	Total/NA	Solid	7471B	
460-311096-8	RXSB-8_0-2	Total/NA	Solid	7471B	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	7471B	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	7471B	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 996005 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-12	DUP_09092024	Total/NA	Solid	7471B	
MB 460-996005/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-996005/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-311117-E-9-R MS	Matrix Spike	Total/NA	Solid	7471B	
460-311117-E-9-S MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-311117-A-9-D DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 996065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-7	RXSB-3_4-6	Total/NA	Solid	7471B	996005
460-311096-8	RXSB-8_0-2	Total/NA	Solid	7471B	996005
460-311096-9	RXSB-8_4-6	Total/NA	Solid	7471B	996005
460-311096-10	RXSB-9_0-2	Total/NA	Solid	7471B	996005
460-311096-11	RXSB-9_4-6	Total/NA	Solid	7471B	996005
460-311096-12	DUP_09092024	Total/NA	Solid	7471B	996005
MB 460-996005/10-A	Method Blank	Total/NA	Solid	7471B	996005
LCSSRM 460-996005/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	996005
460-311117-E-9-R MS	Matrix Spike	Total/NA	Solid	7471B	996005
460-311117-E-9-S MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	996005
460-311117-A-9-D DU	Duplicate	Total/NA	Solid	7471B	996005

General Chemistry

Analysis Batch: 995077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	Moisture	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	Moisture	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	Moisture	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	Moisture	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	Moisture	
460-311096-7	RXSB-3_4-6	Total/NA	Solid	Moisture	
460-311096-8	RXSB-8_0-2	Total/NA	Solid	Moisture	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	Moisture	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	Moisture	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	Moisture	
460-311096-12	DUP_09092024	Total/NA	Solid	Moisture	
460-311096-4 DU	RXSB-10_4-6	Total/NA	Solid	Moisture	

Filtration Batch: 995193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995193/1-A	Method Blank	Total/NA	Water	FILTRATION	
460-311078-A-3-A MS	Matrix Spike	Dissolved	Water	FILTRATION	
460-311078-A-3-A DU	Duplicate	Dissolved	Water	FILTRATION	

Analysis Batch: 995221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	7196A	
MB 460-995193/1-A	Method Blank	Total/NA	Water	7196A	995193
MB 460-995221/10	Method Blank	Total/NA	Water	7196A	
LCSSRM 460-995221/11	Lab Control Sample	Total/NA	Water	7196A	
MRL 460-995221/9	Lab Control Sample	Total/NA	Water	7196A	

General Chemistry (Continued)

Analysis Batch: 995221 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311078-A-3-A MS	Matrix Spike	Dissolved	Water	7196A	995193
460-311078-A-3-A DU	Duplicate	Dissolved	Water	7196A	995193

Analysis Batch: 995275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	7196A	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	7196A	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	7196A	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	7196A	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	7196A	
460-311096-7	RXSB-3_4-6	Total/NA	Solid	7196A	
460-311096-8	RXSB-8_0-2	Total/NA	Solid	7196A	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	7196A	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	7196A	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	7196A	
460-311096-12	DUP_09092024	Total/NA	Solid	7196A	

Prep Batch: 995976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	9012B	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	9012B	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	9012B	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	9012B	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	9012B	
460-311096-7	RXSB-3_4-6	Total/NA	Solid	9012B	
460-311096-8	RXSB-8_0-2	Total/NA	Solid	9012B	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	9012B	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	9012B	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	9012B	
460-311096-12	DUP_09092024	Total/NA	Solid	9012B	
MB 460-995976/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-995976/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-311096-9 MS	RXSB-8_4-6	Total/NA	Solid	9012B	
460-311096-9 MSD	RXSB-8_4-6	Total/NA	Solid	9012B	

Prep Batch: 995993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	9012B	
LCS 460-995993/13-A	Lab Control Sample	Total/NA	Water	9012B	
MRL 460-995993/11-A	Lab Control Sample	Total/NA	Solid	9012B	
460-311118-D-7-B MS	Matrix Spike	Total/NA	Water	9012B	
460-311118-D-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

Analysis Batch: 996001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	9012B	995976
460-311096-2	RXSB-5_4-6	Total/NA	Solid	9012B	995976
460-311096-3	RXSB-10_0-2	Total/NA	Solid	9012B	995976
460-311096-4	RXSB-10_4-6	Total/NA	Solid	9012B	995976
460-311096-5	FB_09092024	Total/NA	Water	9012B	995993
460-311096-6	RXSB-3_0-2	Total/NA	Solid	9012B	995976

General Chemistry (Continued)

Analysis Batch: 996001 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-7	RXSB-3_4-6	Total/NA	Solid	9012B	995976
460-311096-8	RXSB-8_0-2	Total/NA	Solid	9012B	995976
460-311096-9	RXSB-8_4-6	Total/NA	Solid	9012B	995976
460-311096-10	RXSB-9_0-2	Total/NA	Solid	9012B	995976
460-311096-11	RXSB-9_4-6	Total/NA	Solid	9012B	995976
460-311096-12	DUP_09092024	Total/NA	Solid	9012B	995976
MB 460-995976/1-A	Method Blank	Total/NA	Solid	9012B	995976
LCS 460-995993/13-A	Lab Control Sample	Total/NA	Water	9012B	995993
LCSSRM 460-995976/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	995976
MRL 460-995993/11-A	Lab Control Sample	Total/NA	Solid	9012B	995993
460-311096-9 MS	RXSB-8_4-6	Total/NA	Solid	9012B	995976
460-311096-9 MSD	RXSB-8_4-6	Total/NA	Solid	9012B	995976
460-311118-D-7-B MS	Matrix Spike	Total/NA	Water	9012B	995993
460-311118-D-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	995993

Prep Batch: 996304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	3060A	
460-311096-2	RXSB-5_4-6	Total/NA	Solid	3060A	
460-311096-3	RXSB-10_0-2	Total/NA	Solid	3060A	
460-311096-4	RXSB-10_4-6	Total/NA	Solid	3060A	
460-311096-6	RXSB-3_0-2	Total/NA	Solid	3060A	
460-311096-7	RXSB-3_4-6	Total/NA	Solid	3060A	
460-311096-8	RXSB-8_0-2	Total/NA	Solid	3060A	
460-311096-9	RXSB-8_4-6	Total/NA	Solid	3060A	
460-311096-10	RXSB-9_0-2	Total/NA	Solid	3060A	
460-311096-11	RXSB-9_4-6	Total/NA	Solid	3060A	
460-311096-12	DUP_09092024	Total/NA	Solid	3060A	
MB 460-996304/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-996304/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-996304/2-A	Lab Control Sample	Total/NA	Solid	3060A	
460-310466-B-3-S MSS	Matrix Spike	Total/NA	Solid	3060A	
460-310466-B-3-T MSI	Matrix Spike	Total/NA	Solid	3060A	
460-310466-B-3-R DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 996347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-1	RXSB-5_0-2	Total/NA	Solid	7196A	996304
460-311096-2	RXSB-5_4-6	Total/NA	Solid	7196A	996304
460-311096-3	RXSB-10_0-2	Total/NA	Solid	7196A	996304
460-311096-4	RXSB-10_4-6	Total/NA	Solid	7196A	996304
460-311096-6	RXSB-3_0-2	Total/NA	Solid	7196A	996304
460-311096-7	RXSB-3_4-6	Total/NA	Solid	7196A	996304
460-311096-8	RXSB-8_0-2	Total/NA	Solid	7196A	996304
460-311096-9	RXSB-8_4-6	Total/NA	Solid	7196A	996304
460-311096-10	RXSB-9_0-2	Total/NA	Solid	7196A	996304
460-311096-11	RXSB-9_4-6	Total/NA	Solid	7196A	996304
460-311096-12	DUP_09092024	Total/NA	Solid	7196A	996304
MB 460-996304/1-A	Method Blank	Total/NA	Solid	7196A	996304
LCSI 460-996304/3-A	Lab Control Sample	Total/NA	Solid	7196A	996304
LCSSRM 460-996304/2-A	Lab Control Sample	Total/NA	Solid	7196A	996304

General Chemistry (Continued)

Analysis Batch: 996347 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-310466-B-3-S MSS	Matrix Spike	Total/NA	Solid	7196A	996304
460-310466-B-3-T MSI	Matrix Spike	Total/NA	Solid	7196A	996304
460-310466-B-3-R DU	Duplicate	Total/NA	Solid	7196A	996304

Analysis Batch: 996380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311096-5	FB_09092024	Total/NA	Water	7196A	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-5_0-2
Date Collected: 09/09/24 08:55
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:00

Client Sample ID: RXSB-5_0-2
Date Collected: 09/09/24 08:55
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-1
Matrix: Solid
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:00
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 02:48
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 07:15
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 05:29
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 00:02
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 20:31
Total/NA	Prep	7471B			995581	TJS	EET EDI	09/13/24 01:13
Total/NA	Analysis	7471B		1	995631	TJS	EET EDI	09/13/24 06:24
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:16

Client Sample ID: RXSB-5_4-6
Date Collected: 09/09/24 09:30
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:00

Client Sample ID: RXSB-5_4-6
Date Collected: 09/09/24 09:30
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-2
Matrix: Solid
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:01
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 03:12
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 07:33
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 05:42

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-5_4-6

Lab Sample ID: 460-311096-2

Date Collected: 09/09/24 09:30
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 00:19
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 20:33
Total/NA	Prep	7471B			995581	TJS	EET EDI	09/13/24 01:13
Total/NA	Analysis	7471B		1	995631	TJS	EET EDI	09/13/24 06:26
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:17

Client Sample ID: RXSB-10_0-2

Lab Sample ID: 460-311096-3

Date Collected: 09/09/24 10:10
Matrix: Solid
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:00

Client Sample ID: RXSB-10_0-2

Lab Sample ID: 460-311096-3

Date Collected: 09/09/24 10:10
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:02
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 03:37
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 07:50
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 05:55
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 00:36
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 20:38
Total/NA	Prep	7471B			995581	TJS	EET EDI	09/13/24 01:13
Total/NA	Analysis	7471B		1	995631	TJS	EET EDI	09/13/24 06:27
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:17

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-10_4-6
Date Collected: 09/09/24 10:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:00

Client Sample ID: RXSB-10_4-6
Date Collected: 09/09/24 10:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-4
Matrix: Solid
Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:03
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 04:02
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 08:42
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 06:08
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 00:52
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 20:48
Total/NA	Prep	7471B			995581	TJS	EET EDI	09/13/24 01:13
Total/NA	Analysis	7471B		1	995631	TJS	EET EDI	09/13/24 06:29
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:22

Client Sample ID: FB_09092024
Date Collected: 09/09/24 11:35
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995611	SZD	EET EDI	09/13/24 08:57
Total/NA	Prep	3510C			995477	NMP	EET EDI	09/12/24 12:22
Total/NA	Analysis	8270E		1	995535	MME	EET EDI	09/13/24 03:43
Total/NA	Prep	3510C			995329	JMS	EET EDI	09/11/24 20:10
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 05:03
Total/NA	Prep	3510C			995331	JMS	EET EDI	09/11/24 20:11
Total/NA	Analysis	8082A		1	995378	FAM	EET EDI	09/12/24 07:41
Total Recoverable	Prep	3005A			995341	GAE	EET EDI	09/11/24 18:55
Total Recoverable	Analysis	6020B		1	995489	CDC	EET EDI	09/12/24 13:40
Total/NA	Prep	7470A			995249	RBS	EET EDI	09/11/24 12:35
Total/NA	Analysis	7470A		1	995289	RBS	EET EDI	09/11/24 14:50
Total/NA	Analysis	7196A		1	996380	JMP	EET EDI	09/17/24 17:04
Total/NA	Analysis	7196A		1	995221	AXP	EET EDI	09/11/24 08:40

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: FB_09092024

Lab Sample ID: 460-311096-5
Matrix: Water
Date Collected: 09/09/24 11:35
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			995993	VBG	EET EDI	09/15/24 16:08
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 18:26

Client Sample ID: RXSB-3_0-2

Lab Sample ID: 460-311096-6
Matrix: Solid
Date Collected: 09/09/24 12:25
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:01

Client Sample ID: RXSB-3_0-2

Lab Sample ID: 460-311096-6
Matrix: Solid
Date Collected: 09/09/24 12:25
Date Received: 09/10/24 18:30
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:04
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 04:27
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 08:25
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 06:21
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 01:09
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 20:51
Total/NA	Prep	7471B			995581	TJS	EET EDI	09/13/24 01:13
Total/NA	Analysis	7471B		1	995631	TJS	EET EDI	09/13/24 06:31
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:23

Client Sample ID: RXSB-3_4-6

Lab Sample ID: 460-311096-7
Matrix: Solid
Date Collected: 09/09/24 12:30
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:01

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-3_4-6

Lab Sample ID: 460-311096-7
Date Collected: 09/09/24 12:30
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:05
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 04:52
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 09:17
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 06:34
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 01:25
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 20:53
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:24
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:24

Client Sample ID: RXSB-8_0-2

Lab Sample ID: 460-311096-8
Date Collected: 09/09/24 13:20
Matrix: Solid
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:01

Client Sample ID: RXSB-8_0-2

Lab Sample ID: 460-311096-8
Date Collected: 09/09/24 13:20
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 97.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:06
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 05:16
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 08:59
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 06:47
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 01:42
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 20:56
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:26
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-8_0-2

Date Collected: 09/09/24 13:20
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-8

Matrix: Solid
Percent Solids: 97.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:25

Client Sample ID: RXSB-8_4-6

Date Collected: 09/09/24 13:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:01

Client Sample ID: RXSB-8_4-6

Date Collected: 09/09/24 13:25
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-9

Matrix: Solid
Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:07
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 05:41
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 08:07
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 07:00
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 01:59
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 20:58
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:32
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:26

Client Sample ID: RXSB-9_0-2

Date Collected: 09/09/24 14:05
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:01

Client Sample ID: RXSB-9_0-2

Date Collected: 09/09/24 14:05
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-10

Matrix: Solid
Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:08
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 06:05
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 09:34
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 07:13
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 02:15
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 21:00
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:33
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:28

Client Sample ID: RXSB-9_4-6

Date Collected: 09/09/24 14:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:01

Client Sample ID: RXSB-9_4-6

Date Collected: 09/09/24 14:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311096-11

Matrix: Solid
Percent Solids: 98.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:09
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 06:29
Total/NA	Prep	3546			995337	GXY	EET EDI	09/11/24 20:42
Total/NA	Analysis	8270E		1	995400	DXD	EET EDI	09/12/24 15:39
Total/NA	Prep	3546	DL		995337	GXY	EET EDI	09/11/24 20:42
Total/NA	Analysis	8270E	DL	5	995400	DXD	EET EDI	09/12/24 17:11
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 07:26
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 02:32
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 21:03
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:35

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311096-1

Client Sample ID: RXSB-9_4-6

Lab Sample ID: 460-311096-11
Date Collected: 09/09/24 14:10
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:29

Client Sample ID: DUP_09092024

Lab Sample ID: 460-311096-12
Date Collected: 09/09/24 12:00
Matrix: Solid
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	995275	TJW	EET EDI	09/12/24 12:25
Total/NA	Analysis	Moisture		1	995077	CJC	EET EDI	09/10/24 21:01

Client Sample ID: DUP_09092024

Lab Sample ID: 460-311096-12
Date Collected: 09/09/24 12:00
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995140	ERP	EET EDI	09/10/24 23:10
Total/NA	Analysis	8260D		1	995292	EMM	EET EDI	09/12/24 06:53
Total/NA	Prep	3546			995337	GXY	EET EDI	09/11/24 20:42
Total/NA	Analysis	8270E		1	995400	DXD	EET EDI	09/12/24 16:02
Total/NA	Prep	3546			995291	ARA	EET EDI	09/11/24 16:56
Total/NA	Analysis	8081B		1	995374	FAM	EET EDI	09/12/24 07:39
Total/NA	Prep	3546			995290	ARA	EET EDI	09/11/24 16:52
Total/NA	Analysis	8082A		1	995283	AAA	EET EDI	09/12/24 02:49
Total/NA	Prep	3050B			995181	FBT	EET EDI	09/11/24 07:50
Total/NA	Analysis	6020B		1	995268	CDC	EET EDI	09/11/24 21:08
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:37
Total/NA	Prep	3060A			996304	MNP	EET EDI	09/17/24 10:16 - 09/17/24 11:16 [1]
Total/NA	Analysis	7196A		1	996347	MNP	EET EDI	09/17/24 14:50
Total/NA	Prep	9012B			995976	VBG	EET EDI	09/15/24 14:31
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:30

Client Sample ID: TB_09092024

Lab Sample ID: 460-311096-13
Date Collected: 09/09/24 14:10
Matrix: Water
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995611	SZD	EET EDI	09/13/24 09:16

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311096-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Edison

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
7196A		Solid	Cr (III)
7196A		Water	Cr (III)
8270E	3510C	Water	3 & 4 Methylphenol
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311096-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
7196A	Chromium, Hexavalent	SW846	EET EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311096-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311096-1	RXSB-5_0-2	Solid	09/09/24 08:55	09/10/24 18:30
460-311096-2	RXSB-5_4-6	Solid	09/09/24 09:30	09/10/24 18:30
460-311096-3	RXSB-10_0-2	Solid	09/09/24 10:10	09/10/24 18:30
460-311096-4	RXSB-10_4-6	Solid	09/09/24 10:25	09/10/24 18:30
460-311096-5	FB_09092024	Water	09/09/24 11:35	09/10/24 18:30
460-311096-6	RXSB-3_0-2	Solid	09/09/24 12:25	09/10/24 18:30
460-311096-7	RXSB-3_4-6	Solid	09/09/24 12:30	09/10/24 18:30
460-311096-8	RXSB-8_0-2	Solid	09/09/24 13:20	09/10/24 18:30
460-311096-9	RXSB-8_4-6	Solid	09/09/24 13:25	09/10/24 18:30
460-311096-10	RXSB-9_0-2	Solid	09/09/24 14:05	09/10/24 18:30
460-311096-11	RXSB-9_4-6	Solid	09/09/24 14:10	09/10/24 18:30
460-311096-12	DUP_09092024	Solid	09/09/24 12:00	09/10/24 18:30
460-311096-13	TB_09092024	Water	09/09/24 14:10	09/10/24 18:30

Eurofins Edison
777 New Durham Road
Edison NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM:	Carrier Tracking No(s):	COC No:
	EMERY LOVEKAMP	Flannery Elizabeth J		460-185740-121602.1
Client Contact: Lauren Dolginko	Phone: 704-770-6813	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #:
Address: 209 Shafter St	Due Date Requested: STANDARD	Analysis Requested		Preservation Codes. N None A HCL B NaOH D HNO3
City: Islandia	TAT Requested (days): Standard			
State, Zip: NY 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: Purchase Order Requested			
Email: ldolginko@rouxinc.com	WO #: 2828 W 28th Street			
Project Name: 2828 W 28th Street	Project #: 46044510			
Site: 2828 W 28TH ST	SSOW#:			Other: 311096

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - ~~Four~~Part 375 VOCs	6020B Part 375 Metals, 7196A- Hex Chrome, 7196A_CR3- Tri Chrome, 7471B	8270E ~~Four~~Part 375 BNAs	8081B Pesticides, 8082A- PCBs	9012B Cyanide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N/A	N/D	N	N	N/B		
RXSB-5_0-2	9/9/24	0855	G	S	N	N	X	X	X	X	X	3	
RXSB-5_4-6		0930		S	N	N	X	X	X	X	X	3	
RXSB-10_0-2		1010		S	N	N	X	X	X	X	X	3	
RXSB-10_4-6		1025		S	N	N	X	X	X	X	X	3	
FB_09092024		1135		W	N	N	X	X	X	X	X	3	
RXSB-3_0-2		1225		S	N	N	X	X	X	X	X	3	
RXSB-3_4-6		1230		S	N	N	X	X	X	X	X	3	
RXSB-8_0-2		1320		S	N	N	X	X	X	X	X	3	
RXSB-8_4-6		1325		S	N	N	X	X	X	X	X	3	
RXSB-9_0-2		1405		S	N	N	X	X	X	X	X	3	
RXSB-9_4-6		1410		S	N	N	X	X	X	X	X	3	

460-311096 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Specia Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	9/9/24 1440	Roux		9/10/24 1400	ECI
Relinquished by:	9-10-24 1830	ECI		9/10/24 1830	ECI
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: NO

Cooler Temperature(s) °C and Other Remarks: 4 9 0.9/1.1

Ver: 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM	Carrier Tracking No(s).	COC No
Client Contact: Lauren Dolginko	Phone: 201-770-6813	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: 2 Page 1 of 2
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #:
Address: 209 Shafter St	Due Date Requested: STANDARD			
City: Islandia	TAT Requested (days): Standard			
State, Zip: NY 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: Purchase Order Requested			
Email: ldolginko@rouxinc.com	WO #: 2828 W 28th Street			
Project Name: 2828 W 28th Street	Project #: 46044510			
Site: 2828 W 28TH ST	SSOW#:			

Analysis Requested

Preservation Codes: N None; A HCL; B NaOH; D HNO3

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Part 375 VOCs	6020B Part 375 Metals, 7196A- Hex Chrome, 7196A_CR3- Tri Chrome, 7471B	8270E - Part 375 BNAs	8081B Pesticides, 8082A- PCBs	9012B Cyanide, Total	Total Number of containers	Special Instructions/Note
			Preservation Code:				N/A	N/D	N	N	N/B		
DUP-09092024	9/9/24	1200	G	S	N	N	X	X	X	X	X	5	311096
TB-09092024	5/29/24	—	—	W	N	N	X					2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9/9/24 1440	ROUX			
2		9-10-24 1830	ET		9/10/24 1830	ET
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

NO Yes DR 0.9/1.1

Ver: 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 311096

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	0.4 °C	1.1 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

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

If pH adjustments are required record the information below:

Sample No(s). adjusted. _____

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

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

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

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

Initials. MA Date 9-10-24

EDS-WI-038, Rev 4.1
10/22/2019

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311096-1

Login Number: 311096
List Number: 1
Creator: Nelson, Rose E

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Julia Michaels
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 9/23/2024 11:54:09 AM

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311100-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Compliance Statement

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

Authorization

Generated
9/23/2024 11:54:09 AM

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

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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311100-1
Project/Site: 2828 W 28th Street

Qualifiers

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
U	Indicates analyzed for but not detected.

Glossary

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

Job ID: 460-311100-1 Eurofins Edison

Job Narrative
460-311100-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/10/2024 6:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.9°C.

Method 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS
Samples RXSB-5_0-2_P (460-311100-1) and FB_09092024_P (460-311100-2) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS. The samples were prepared on 9/12/2024 and 9/13/2024 and analyzed on 9/13/2024 and 9/14/2024.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the low-level laboratory control sample (LLCS) associated with prep batch 240-626866. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The LLCS recovered within limits for associated target analyte(s), therefore, the associated samples are reported. The following samples are affected:RXSB-5_0-2_P (460-311100-1) and (LLCS 240-626866/2-A).

The continuing calibration verification (CCV) recovered outside of control limits for IDA compound(s) . Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCV(s) must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analytes associated with this IDA are within spec, data is reported. The following samples are impacted: FB_09092024_P (460-311100-2) and (240-211064-B-1-A).

Method Moisture - Percent Moisture
Sample RXSB-5_0-2_P (460-311100-1) was analyzed for Percent Moisture. The sample was prepared on 9/12/2024 and analyzed on 9/13/2024 and 9/14/2024.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311100-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-5_0-2_P
Lab Sample ID: 460-311100-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	0.16	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.31		0.18	0.046	ug/Kg	1	☼	1633	Total/NA

Client Sample ID: FB_09092024_P
Lab Sample ID: 460-311100-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311100-1

Client Sample ID: RXSB-5_0-2_P
Date Collected: 09/09/24 08:55
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311100-1
Matrix: Solid
Percent Solids: 92.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.73	U	0.73	0.18	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluoropentanoic acid (PFPeA)	0.37	U	0.37	0.092	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorohexanoic acid (PFHxA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluoroheptanoic acid (PFHpA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorooctanoic acid (PFOA)	**0.16**	**J**	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorononanoic acid (PFNA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorodecanoic acid (PFDA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluoroundecanoic acid (PFUnA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorododecanoic acid (PFDoA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorotridecanoic acid (PFTrDA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorotetradecanoic acid (PFTeDA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorooctanesulfonic acid (PFOS)	**0.31**		0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.73	U	0.73	0.18	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.73	U	0.73	0.18	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.73	U	0.73	0.18	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.83	U	1.83	0.46	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.83	U	1.83	0.46	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.73	U	0.73	0.18	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.73	U	0.73	0.18	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.37	U	0.37	0.092	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.37	U	0.37	0.092	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.73	U	0.73	0.18	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.73	U	0.73	0.18	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1

Client Sample ID: RXSB-5_0-2_P — **Lab Sample ID: 460-311100-1**
Date Collected: 09/09/24 08:55 — **Matrix: Solid**
Date Received: 09/10/24 18:30 — **Percent Solids: 92.7**

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.37	U	0.37	0.092	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.92	U	0.92	0.23	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.59	U	4.59	1.15	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.59	U	4.59	1.15	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	0.046	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.37	U	0.37	0.092	ug/Kg	☼	09/12/24 17:38	09/14/24 07:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.3*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C5 PFPeA	*81.6*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C5 PFHxA	*78.4*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C4 PFHpA	*75.7*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C8 PFOA	*82.5*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C9 PFNA	*100*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C6 PFDA	*115*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C7 PFUnA	*111*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C2 PFTeDA	*96.6*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C3 PFBS	*104*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C3 PFHxS	*95.3*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C8 PFOS	*101*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C8 FOSA	*96.8*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
d3-NMeFOSAA	*99.8*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
d5-NEtFOSAA	*96.9*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
M2-4:2 FTS	*146*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
M2-6:2 FTS	*130*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
M2-8:2 FTS	*125*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C3 HFPO-DA	*86.6*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
d7-N-MeFOSE-M	*96.5*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
d9-N-EtFOSE-M	*98.5*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
d5-NEtPFOSA	*84.2*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
d3-NMePFOSA	*90.6*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*
13C2-PFDoDA	*96.4*		*20 - 150*	*09/12/24 17:38*	*09/14/24 07:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**92.7**		0.1	0.1	%			09/13/24 18:25	1
Percent Moisture (EPA Moisture)	**7.3**		0.1	0.1	%			09/13/24 18:25	1

Client Sample ID: FB_09092024_P — **Lab Sample ID: 460-311100-2**
Date Collected: 09/09/24 11:00 — **Matrix: Water**
Date Received: 09/10/24 18:30

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.30	U	6.30	1.68	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluoropentanoic acid (PFPeA)	3.15	U	3.15	0.79	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorohexanoic acid (PFHxA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311100-1
Project/Site: 2828 W 28th Street

Client Sample ID: FB_09092024_P
Lab Sample ID: 460-311100-2
Date Collected: 09/09/24 11:00
Matrix: Water
Date Received: 09/10/24 18:30

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorooctanoic acid (PFOA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorononanoic acid (PFNA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorodecanoic acid (PFDA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluoroundecanoic acid (PFUnA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorododecanoic acid (PFDoA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorotridecanoic acid (PFTrDA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorotetradecanoic acid (PFTeDA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorobutanesulfonic acid (PFBS)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluoropentanesulfonic acid (PFPeS)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorohexanesulfonic acid (PFHxS)	1.58	U	1.58	0.41	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluoroheptanesulfonic acid (PFHpS)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorooctanesulfonic acid (PFOS)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorononanesulfonic acid (PFNS)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorododecanesulfonic acid (PFDoS)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.30	U	6.30	1.58	ng/L		09/13/24 08:12	09/13/24 15:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.30	U	6.30	1.58	ng/L		09/13/24 08:12	09/13/24 15:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.30	U	6.30	1.58	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorooctanesulfonamide (PFOSA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.58	U	1.58	0.49	ng/L		09/13/24 08:12	09/13/24 15:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.58	U	1.58	0.41	ng/L		09/13/24 08:12	09/13/24 15:29	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.8	U	15.8	3.94	ng/L		09/13/24 08:12	09/13/24 15:29	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.8	U	15.8	3.94	ng/L		09/13/24 08:12	09/13/24 15:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.30	U	6.30	1.58	ng/L		09/13/24 08:12	09/13/24 15:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.30	U	6.30	1.58	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.15	U	3.15	0.79	ng/L		09/13/24 08:12	09/13/24 15:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.15	U	3.15	0.96	ng/L		09/13/24 08:12	09/13/24 15:29	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.30	U	6.30	1.58	ng/L		09/13/24 08:12	09/13/24 15:29	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.30	U	6.30	1.58	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.15	U	3.15	0.79	ng/L		09/13/24 08:12	09/13/24 15:29	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.88	U	7.88	1.97	ng/L		09/13/24 08:12	09/13/24 15:29	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.4	U	39.4	9.85	ng/L		09/13/24 08:12	09/13/24 15:29	1

Client Sample ID: FB_09092024_P
Lab Sample ID: 460-311100-2
Date Collected: 09/09/24 11:00
Matrix: Water
Date Received: 09/10/24 18:30

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.4	U	39.4	11.7	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluorodecanesulfonic acid (PFDS)	1.58	U	1.58	0.39	ng/L		09/13/24 08:12	09/13/24 15:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.15	U	3.15	0.79	ng/L		09/13/24 08:12	09/13/24 15:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.1*		*10 - 130*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C5 PFPeA	*81.8*		*35 - 150*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C5 PFHxA	*73.2*		*55 - 150*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C4 PFHpA	*84.7*		*55 - 150*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C8 PFOA	*86.3*		*60 - 140*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C9 PFNA	*96.9*		*55 - 140*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C6 PFDA	*92.2*		*50 - 140*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C7 PFUnA	*104*		*30 - 140*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C2 PFTeDA	*72.7*		*10 - 130*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C3 PFBS	*103*		*55 - 150*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C3 PFHxS	*101*		*55 - 150*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C8 PFOS	*99.9*		*45 - 140*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C8 FOSA	*96.5*		*30 - 130*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
d3-NMeFOSAA	*93.6*		*45 - 200*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
d5-NEtFOSAA	*96.2*		*10 - 200*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
M2-4:2 FTS	*133*		*60 - 200*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
M2-6:2 FTS	*121*		*60 - 200*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
M2-8:2 FTS	*121*		*50 - 200*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C3 HFPO-DA	*80.1*		*25 - 160*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
d7-N-MeFOSE-M	*86.4*		*10 - 150*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
d9-N-EtFOSE-M	*89.6*		*10 - 150*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
d5-NEtPFOSA	*70.9*		*10 - 130*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
d3-NMePFOSA	*71.6*		*15 - 130*	*09/13/24 08:12*	*09/13/24 15:29*	*1*
13C2-PFDoDA	*87.6*		*10 - 150*	*09/13/24 08:12*	*09/13/24 15:29*	*1*

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311100-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)
460-311100-1	RXSB-5_0-2_P	86.3	81.6	78.4	75.7	82.5	100	115	111
460-311100-1 DU	RXSB-5_0-2_P	89.3	83.5	80.1	76.1	81.5	109	101	112
LCS 240-626866/3-A	Lab Control Sample	80.9	77.9	73.7	73.9	80.1	90.1	91.6	99.9
LLCS 240-626866/2-A	Lab Control Sample	83.7	78.7	71.3	76.1	77.1	83.7	95.5	104
MB 240-626866/1-A	Method Blank	83.6	74.5	73.9	70.8	76.2	84.4	91.2	93.9

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)
460-311100-1	RXSB-5_0-2_P	96.6	104	95.3	101	96.8	99.8	96.9	146
460-311100-1 DU	RXSB-5_0-2_P	106	110	100	98.3	95.2	94.7	98.4	150
LCS 240-626866/3-A	Lab Control Sample	84.6	109	94.6	92.7	86.1	95.9	85.3	133
LLCS 240-626866/2-A	Lab Control Sample	97.0	119	105	91.3	89.4	101	94.1	155 *
MB 240-626866/1-A	Method Blank	85.4	114	100	90.5	88.7	93.5	90.1	143

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)
460-311100-1	RXSB-5_0-2_P	130	125	86.6	96.5	98.5	84.2	90.6	96.4
460-311100-1 DU	RXSB-5_0-2_P	135	133	88.2	96.2	96.9	82.4	86.1	99.7
LCS 240-626866/3-A	Lab Control Sample	127	105	83.0	91.5	91.1	72.5	73.2	86.2
LLCS 240-626866/2-A	Lab Control Sample	150	126	85.9	96.4	97.0	71.5	71.7	97.1
MB 240-626866/1-A	Method Blank	136	124	80.8	87.7	90.7	68.7	74.8	88.4

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311100-1
Project/Site: 2828 W 28th Street

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(35-150)	(55-150)	(55-150)	(60-140)	(55-140)	(50-140)	(30-140)
460-311100-2	FB_09092024_P	86.1	81.8	73.2	84.7	86.3	96.9	92.2	104
MB 240-626896/1-A	Method Blank	84.6	80.5	73.3	79.5	75.2	98.3	91.4	90.7

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(55-150)	(55-150)	(45-140)	(30-130)	(45-200)	(10-200)	(60-200)
460-311100-2	FB_09092024_P	72.7	103	101	99.9	96.5	93.6	96.2	133
MB 240-626896/1-A	Method Blank	66.6	98.2	98.5	91.5	88.9	87.4	92.4	130

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(60-200)	(50-200)	(25-160)	(10-150)	(10-150)	(10-130)	(15-130)	(10-150)
460-311100-2	FB_09092024_P	121	121	80.1	86.4	89.6	70.9	71.6	87.6
MB 240-626896/1-A	Method Blank	118	113	75.0	83.2	75.6	63.8	63.8	85.7

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(40-150)	(40-150)	(40-150)	(30-140)	(30-140)	(20-140)	(20-140)
LCS 240-626896/3-A	Lab Control Sample	86.5	82.6	72.8	78.7	85.5	98.1	104	88.0
LLCS 240-626896/2-A	Lab Control Sample	86.0	76.2	74.4	75.5	82.3	94.8	95.6	89.2

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311100-1
Project/Site: 2828 W 28th Street

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(25-150)	(25-150)	(20-140)	(10-130)	(10-200)	(10-200)	(25-200)
LCS 240-626896/3-A	Lab Control Sample	75.8	99.9	97.3	97.1	92.7	90.8	97.4	125
LLCS 240-626896/2-A	Lab Control Sample	70.5	107	107	102	96.8	94.6	100	130

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(25-200)	(25-200)	(25-160)	(10-150)	(10-150)	(10-130)	(10-130)	(10-150)
LCS 240-626896/3-A	Lab Control Sample	122	113	74.9	91.3	87.3	66.2	70.6	86.9
LLCS 240-626896/2-A	Lab Control Sample	121	117	77.9	84.9	89.5	70.6	72.7	87.8

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-626866/1-A
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 626866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.80	U	0.80	0.20	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluoropentanoic acid (PFPeA)	0.40	U	0.40	0.10	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.80	U	0.80	0.20	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.80	U	0.80	0.20	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.80	U	0.80	0.20	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.00	U	2.00	0.50	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.00	U	2.00	0.50	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.80	U	0.80	0.20	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.80	U	0.80	0.20	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.40	U	0.40	0.10	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.40	U	0.40	0.10	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.80	U	0.80	0.20	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.80	U	0.80	0.20	ug/Kg		09/12/24 17:38	09/14/24 01:08	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-626866/1-A
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 626866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.40	U	0.40	0.10	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.00	U	1.00	0.25	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.00	U	5.00	1.25	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.00	U	5.00	1.25	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.050	ug/Kg		09/12/24 17:38	09/14/24 01:08	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.40	U	0.40	0.10	ug/Kg		09/12/24 17:38	09/14/24 01:08	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83.6*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C5 PFPeA	*74.5*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C5 PFHxA	*73.9*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C4 PFHpA	*70.8*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C8 PFOA	*76.2*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C9 PFNA	*84.4*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C6 PFDA	*91.2*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C7 PFUnA	*93.9*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C2 PFTeDA	*85.4*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C3 PFBS	*114*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C3 PFHxS	*100*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C8 PFOS	*90.5*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C8 FOSA	*88.7*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
d3-NMeFOSAA	*93.5*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
d5-NEtFOSAA	*90.1*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
M2-4:2 FTS	*143*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
M2-6:2 FTS	*136*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
M2-8:2 FTS	*124*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C3 HFPO-DA	*80.8*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
d7-N-MeFOSE-M	*87.7*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
d9-N-EtFOSE-M	*90.7*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
d5-NEtPFOSA	*68.7*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
d3-NMePFOSA	*74.8*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*
13C2-PFDoDA	*88.4*		*20 - 150*	*09/12/24 17:38*	*09/14/24 01:08*	*1*

Lab Sample ID: LCS 240-626866/3-A
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	10.0	9.713		ug/Kg		97	40 - 150
Perfluoropentanoic acid (PFPeA)	5.00	5.096		ug/Kg		102	40 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.673		ug/Kg		107	40 - 150
Perfluoroheptanoic acid (PFHpA)	2.50	2.476		ug/Kg		99	40 - 150
Perfluorooctanoic acid (PFOA)	2.50	2.547		ug/Kg		102	40 - 150
Perfluorononanoic acid (PFNA)	2.50	2.470		ug/Kg		99	40 - 150
Perfluorodecanoic acid (PFDA)	2.50	2.761		ug/Kg		110	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-626866/3-A
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.50	2.155		ug/Kg		86	40 - 150
Perfluorododecanoic acid (PFDoA)	2.50	2.293		ug/Kg		92	40 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.287		ug/Kg		91	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.463		ug/Kg		99	40 - 150
Perfluorobutanesulfonic acid (PFBS)	2.21	2.240		ug/Kg		101	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.406		ug/Kg		103	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.199		ug/Kg		97	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.38	2.265		ug/Kg		95	40 - 150
Perfluorooctanesulfonic acid (PFOS)	2.32	2.260		ug/Kg		97	40 - 150
Perfluorononanesulfonic acid (PFNS)	2.40	2.358		ug/Kg		98	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	2.42	2.128		ug/Kg		88	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	9.34	8.904		ug/Kg		95	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.48	8.820		ug/Kg		93	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	9.58	9.512		ug/Kg		99	40 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.523		ug/Kg		101	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.653		ug/Kg		106	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.664		ug/Kg		107	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.559		ug/Kg		102	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.563		ug/Kg		103	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	25.0	24.22		ug/Kg		97	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	25.0	23.90		ug/Kg		96	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	10.0	8.836		ug/Kg		88	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.42	8.529		ug/Kg		91	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	5.00	4.678		ug/Kg		94	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.00	5.156		ug/Kg		103	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9.32	8.422		ug/Kg		90	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	9.42	7.442		ug/Kg		79	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.45	4.914		ug/Kg		110	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-626866/3-A
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	12.5	12.07		ug/Kg		97	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	62.5	49.81		ug/Kg		80	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	62.5	56.47		ug/Kg		90	40 - 150
Perfluorodecanesulfonic acid (PFDS)	2.41	2.303		ug/Kg		96	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	5.00	4.725		ug/Kg		94	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*80.9*		*20 - 150*
13C5 PFPeA	*77.9*		*20 - 150*
13C5 PFHxA	*73.7*		*20 - 150*
13C4 PFHpA	*73.9*		*20 - 150*
13C8 PFOA	*80.1*		*20 - 150*
13C9 PFNA	*90.1*		*20 - 150*
13C6 PFDA	*91.6*		*20 - 150*
13C7 PFUnA	*99.9*		*20 - 150*
13C2 PFTeDA	*84.6*		*20 - 150*
13C3 PFBS	*109*		*20 - 150*
13C3 PFHxS	*94.6*		*20 - 150*
13C8 PFOS	*92.7*		*20 - 150*
13C8 FOSA	*86.1*		*20 - 150*
d3-NMeFOSAA	*95.9*		*20 - 150*
d5-NEtFOSAA	*85.3*		*20 - 150*
M2-4:2 FTS	*133*		*20 - 150*
M2-6:2 FTS	*127*		*20 - 150*
M2-8:2 FTS	*105*		*20 - 150*
13C3 HFPO-DA	*83.0*		*20 - 150*
d7-N-MeFOSE-M	*91.5*		*20 - 150*
d9-N-EtFOSE-M	*91.1*		*20 - 150*
d5-NEtPFOSA	*72.5*		*20 - 150*
d3-NMePFOSA	*73.2*		*20 - 150*
13C2-PFDoDA	*86.2*		*20 - 150*

Lab Sample ID: LLCS 240-626866/2-A
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626866

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.800	0.865		ug/Kg		108	40 - 150
Perfluoropentanoic acid (PFPeA)	0.400	0.466		ug/Kg		116	40 - 150
Perfluorohexanoic acid (PFHxA)	0.200	0.253		ug/Kg		126	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.200	0.218		ug/Kg		109	40 - 150
Perfluorooctanoic acid (PFOA)	0.200	0.261		ug/Kg		130	40 - 150
Perfluorononanoic acid (PFNA)	0.200	0.237		ug/Kg		119	40 - 150
Perfluorodecanoic acid (PFDA)	0.200	0.247		ug/Kg		124	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-626866/2-A
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626866

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	0.200	0.185	J	ug/Kg		93	40 - 150
Perfluorododecanoic acid (PFDoA)	0.200	0.196	J	ug/Kg		98	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.200	0.209		ug/Kg		104	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.200	0.207		ug/Kg		103	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.177	0.185	J	ug/Kg		105	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.188	0.214		ug/Kg		114	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.182	0.206		ug/Kg		113	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.190	0.206		ug/Kg		108	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.186	0.244		ug/Kg		132	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.192	0.232		ug/Kg		121	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.194	0.221		ug/Kg		114	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.747	0.745	J	ug/Kg		100	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.758	0.701	J	ug/Kg		92	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.766	0.889		ug/Kg		116	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.200	0.227		ug/Kg		114	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.200	0.263		ug/Kg		132	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.200	0.240		ug/Kg		120	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.200	0.238		ug/Kg		119	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.200	0.235		ug/Kg		117	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.00	2.010		ug/Kg		100	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.00	2.060		ug/Kg		103	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.800	0.727	J	ug/Kg		91	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.754	0.708	J	ug/Kg		94	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.400	0.402		ug/Kg		100	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.400	0.442		ug/Kg		111	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.746	0.737	J	ug/Kg		99	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.754	0.695	J	ug/Kg		92	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.356	0.425		ug/Kg		119	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-626866/2-A
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626866

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.00	1.074		ug/Kg		107	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.00	4.529	J	ug/Kg		91	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.00	5.388		ug/Kg		108	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.193	0.238		ug/Kg		123	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.400	0.414		ug/Kg		103	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*83.7*		*20 - 150*
13C5 PFPeA	*78.7*		*20 - 150*
13C5 PFHxA	*71.3*		*20 - 150*
13C4 PFHpA	*76.1*		*20 - 150*
13C8 PFOA	*77.1*		*20 - 150*
13C9 PFNA	*83.7*		*20 - 150*
13C6 PFDA	*95.5*		*20 - 150*
13C7 PFUnA	*104*		*20 - 150*
13C2 PFTeDA	*97.0*		*20 - 150*
13C3 PFBS	*119*		*20 - 150*
13C3 PFHxS	*105*		*20 - 150*
13C8 PFOS	*91.3*		*20 - 150*
13C8 FOSA	*89.4*		*20 - 150*
d3-NMeFOSAA	*101*		*20 - 150*
d5-NEtFOSAA	*94.1*		*20 - 150*
M2-4:2 FTS	*155*	*	*20 - 150*
M2-6:2 FTS	*150*		*20 - 150*
M2-8:2 FTS	*126*		*20 - 150*
13C3 HFPO-DA	*85.9*		*20 - 150*
d7-N-MeFOSE-M	*96.4*		*20 - 150*
d9-N-EtFOSE-M	*97.0*		*20 - 150*
d5-NEtPFOSA	*71.5*		*20 - 150*
d3-NMePFOSA	*71.7*		*20 - 150*
13C2-PFDoDA	*97.1*		*20 - 150*

Lab Sample ID: 460-311100-1 DU
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: RXSB-5_0-2_P
Prep Type: Total/NA
Prep Batch: 626866

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.73	U	0.74	U	ug/Kg	☼	NC	30
Perfluoropentanoic acid (PFPeA)	0.37	U	0.37	U	ug/Kg	☼	NC	30
Perfluorohexanoic acid (PFHxA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluoroheptanoic acid (PFHpA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorooctanoic acid (PFOA)	0.16	J	0.148	J	ug/Kg	☼	5	30
Perfluorononanoic acid (PFNA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorodecanoic acid (PFDA)	0.18	U	0.18	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-311100-1 DU
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: RXSB-5_0-2_P
Prep Type: Total/NA
Prep Batch: 626866

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorododecanoic acid (PFDoA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorotridecanoic acid (PFTrDA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorotetradecanoic acid (PFTeDA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.31		0.342		ug/Kg	☼	10	30
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.73	U	0.74	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.73	U	0.74	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.73	U	0.74	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.83	U	1.85	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.83	U	1.85	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.73	U	0.74	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.73	U	0.74	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.37	U	0.37	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.37	U	0.37	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.73	U	0.74	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.73	U	0.74	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.37	U	0.37	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-311100-1 DU
Matrix: Solid
Analysis Batch: 627004

Client Sample ID: RXSB-5_0-2_P
Prep Type: Total/NA
Prep Batch: 626866

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.92	U		0.92	U	ug/Kg	☼			NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.59	U		4.62	U	ug/Kg	☼			NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.59	U		4.62	U	ug/Kg	☼			NC	30
Perfluorodecanesulfonic acid (PFDS)	0.18	U		0.18	U	ug/Kg	☼			NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.37	U		0.37	U	ug/Kg	☼			NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*89.3*		*20 - 150*
13C5 PFPeA	*83.5*		*20 - 150*
13C5 PFHxA	*80.1*		*20 - 150*
13C4 PFHpA	*76.1*		*20 - 150*
13C8 PFOA	*81.5*		*20 - 150*
13C9 PFNA	*109*		*20 - 150*
13C6 PFDA	*101*		*20 - 150*
13C7 PFUnA	*112*		*20 - 150*
13C2 PFTeDA	*106*		*20 - 150*
13C3 PFBS	*110*		*20 - 150*
13C3 PFHxS	*100*		*20 - 150*
13C8 PFOS	*98.3*		*20 - 150*
13C8 FOSA	*95.2*		*20 - 150*
d3-NMeFOSAA	*94.7*		*20 - 150*
d5-NEtFOSAA	*98.4*		*20 - 150*
M2-4:2 FTS	*150*		*20 - 150*
M2-6:2 FTS	*135*		*20 - 150*
M2-8:2 FTS	*133*		*20 - 150*
13C3 HFPO-DA	*88.2*		*20 - 150*
d7-N-MeFOSE-M	*96.2*		*20 - 150*
d9-N-EtFOSE-M	*96.9*		*20 - 150*
d5-NEtPFOSA	*82.4*		*20 - 150*
d3-NMePFOSA	*86.1*		*20 - 150*
13C2-PFDoDA	*99.7*		*20 - 150*

Lab Sample ID: MB 240-626896/1-A
Matrix: Water
Analysis Batch: 626980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 626896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.00	U	8.00	2.13	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluoropentanoic acid (PFPeA)	4.00	U	4.00	1.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-626896/1-A
Matrix: Water
Analysis Batch: 626980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 626896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorotridecanoic acid (PFTrDA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorotetradecanoic acid (PFTeDA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluoropentanesulfonic acid (PFPeS)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.52	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluoroheptanesulfonic acid (PFHpS)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorononanesulfonic acid (PFNS)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorododecanesulfonic acid (PFDoS)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	8.00	U	8.00	2.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	8.00	U	8.00	2.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	8.00	U	8.00	2.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorooctanesulfonamide (PFOSA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.62	ng/L		09/13/24 08:12	09/13/24 13:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.52	ng/L		09/13/24 08:12	09/13/24 13:26	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	U	20.0	5.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	U	20.0	5.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	U	8.00	2.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.00	U	8.00	2.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	U	4.00	1.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	U	4.00	1.22	ng/L		09/13/24 08:12	09/13/24 13:26	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.00	U	4.00	1.00	ng/L		09/13/24 08:12	09/13/24 13:26	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	U	10.0	2.50	ng/L		09/13/24 08:12	09/13/24 13:26	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	U	50.0	12.5	ng/L		09/13/24 08:12	09/13/24 13:26	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	U	50.0	14.9	ng/L		09/13/24 08:12	09/13/24 13:26	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.50	ng/L		09/13/24 08:12	09/13/24 13:26	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-626896/1-A
Matrix: Water
Analysis Batch: 626980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 626896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	U	4.00	1.00	ng/L		09/13/24 08:12	09/13/24 13:26	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.6*		*10 - 130*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C5 PFPeA	*80.5*		*35 - 150*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C5 PFHxA	*73.3*		*55 - 150*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C4 PFHpA	*79.5*		*55 - 150*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C8 PFOA	*75.2*		*60 - 140*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C9 PFNA	*98.3*		*55 - 140*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C6 PFDA	*91.4*		*50 - 140*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C7 PFUnA	*90.7*		*30 - 140*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C2 PFTeDA	*66.6*		*10 - 130*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C3 PFBS	*98.2*		*55 - 150*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C3 PFHxS	*98.5*		*55 - 150*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C8 PFOS	*91.5*		*45 - 140*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C8 FOSA	*88.9*		*30 - 130*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
d3-NMeFOSAA	*87.4*		*45 - 200*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
d5-NEtFOSAA	*92.4*		*10 - 200*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
M2-4:2 FTS	*130*		*60 - 200*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
M2-6:2 FTS	*118*		*60 - 200*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
M2-8:2 FTS	*113*		*50 - 200*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C3 HFPO-DA	*75.0*		*25 - 160*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
d7-N-MeFOSE-M	*83.2*		*10 - 150*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
d9-N-EtFOSE-M	*75.6*		*10 - 150*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
d5-NEtPFOSA	*63.8*		*10 - 130*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
d3-NMePFOSA	*63.8*		*15 - 130*	*09/13/24 08:12*	*09/13/24 13:26*	*1*
13C2-PFDoDA	*85.7*		*10 - 150*	*09/13/24 08:12*	*09/13/24 13:26*	*1*

Lab Sample ID: LCS 240-626896/3-A
Matrix: Water
Analysis Batch: 626980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	100	99.66		ng/L		100	58 - 148
Perfluoropentanoic acid (PFPeA)	50.0	47.42		ng/L		95	54 - 152
Perfluorohexanoic acid (PFHxA)	25.0	27.72		ng/L		111	55 - 152
Perfluoroheptanoic acid (PFHpA)	25.0	26.08		ng/L		104	54 - 154
Perfluorooctanoic acid (PFOA)	25.0	24.89		ng/L		100	52 - 161
Perfluorononanoic acid (PFNA)	25.0	23.35		ng/L		93	59 - 149
Perfluorodecanoic acid (PFDA)	25.0	22.09		ng/L		88	52 - 147
Perfluoroundecanoic acid (PFUnA)	25.0	24.49		ng/L		98	48 - 159
Perfluorododecanoic acid (PFDoA)	25.0	21.91		ng/L		88	64 - 142
Perfluorotridecanoic acid (PFTrDA)	25.0	21.42		ng/L		86	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	25.0	21.50		ng/L		86	47 - 161

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-626896/3-A
Matrix: Water
Analysis Batch: 626980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	22.1	22.72		ng/L		103	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	23.5	24.39		ng/L		104	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	22.8	24.42		ng/L		107	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	23.8	23.37		ng/L		98	55 - 152
Perfluorooctanesulfonic acid (PFOS)	23.2	22.64		ng/L		98	58 - 149
Perfluorononanesulfonic acid (PFNS)	24.0	22.11		ng/L		92	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	24.2	17.50		ng/L		72	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	93.4	86.78		ng/L		93	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	94.8	85.94		ng/L		91	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	95.8	90.31		ng/L		94	63 - 152
Perfluorooctanesulfonamide (PFOSA)	25.0	26.51		ng/L		106	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	25.0	30.41		ng/L		122	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	25.0	31.45		ng/L		126	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.0	27.02		ng/L		108	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	22.83		ng/L		91	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	250	240.4		ng/L		96	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	250	236.7		ng/L		95	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	98.75		ng/L		99	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.2	104.2		ng/L		111	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	47.62		ng/L		95	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	50.0	63.55		ng/L		127	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	93.2	93.51		ng/L		100	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	94.2	87.86		ng/L		93	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	44.5	48.88		ng/L		110	56 - 151
3-Perfluoropropylpropanoic acid (3:3 FTCA)	125	106.0		ng/L		85	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	625	528.9		ng/L		85	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	625	605.7		ng/L		97	50 - 138
Perfluorodecanesulfonic acid (PFDS)	24.1	21.83		ng/L		91	51 - 147

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-626896/3-A
Matrix: Water
Analysis Batch: 626980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626896

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoro-3-methoxypropanoic acid (PFMPA)			50.0	46.05		ng/L		92	51 - 145		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*86.5*		*10 - 130*
13C5 PFPeA	*82.6*		*40 - 150*
13C5 PFHxA	*72.8*		*40 - 150*
13C4 PFHpA	*78.7*		*40 - 150*
13C8 PFOA	*85.5*		*30 - 140*
13C9 PFNA	*98.1*		*30 - 140*
13C6 PFDA	*104*		*20 - 140*
13C7 PFUnA	*88.0*		*20 - 140*
13C2 PFTeDA	*75.8*		*10 - 130*
13C3 PFBS	*99.9*		*25 - 150*
13C3 PFHxS	*97.3*		*25 - 150*
13C8 PFOS	*97.1*		*20 - 140*
13C8 FOSA	*92.7*		*10 - 130*
d3-NMeFOSAA	*90.8*		*10 - 200*
d5-NEtFOSAA	*97.4*		*10 - 200*
M2-4:2 FTS	*125*		*25 - 200*
M2-6:2 FTS	*122*		*25 - 200*
M2-8:2 FTS	*113*		*25 - 200*
13C3 HFPO-DA	*74.9*		*25 - 160*
d7-N-MeFOSE-M	*91.3*		*10 - 150*
d9-N-EtFOSE-M	*87.3*		*10 - 150*
d5-NEtPFOSA	*66.2*		*10 - 130*
d3-NMePFOSA	*70.6*		*10 - 130*
13C2-PFDoDA	*86.9*		*10 - 150*

Lab Sample ID: LLCS 240-626896/2-A
Matrix: Water
Analysis Batch: 626980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626896

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)			8.00	8.836		ng/L		110	44 - 157		
Perfluoropentanoic acid (PFPeA)			4.00	4.546		ng/L		114	57 - 148		
Perfluorohexanoic acid (PFHxA)			2.00	2.347		ng/L		117	62 - 149		
Perfluoroheptanoic acid (PFHpA)			2.00	2.381		ng/L		119	56 - 150		
Perfluorooctanoic acid (PFOA)			2.00	2.641		ng/L		132	57 - 161		
Perfluorononanoic acid (PFNA)			2.00	2.200		ng/L		110	53 - 157		
Perfluorodecanoic acid (PFDA)			2.00	1.934	J	ng/L		97	43 - 158		
Perfluoroundecanoic acid (PFUnA)			2.00	2.038		ng/L		102	50 - 155		
Perfluorododecanoic acid (PFDoA)			2.00	2.012		ng/L		101	60 - 141		
Perfluorotridecanoic acid (PFTrDA)			2.00	1.849	J	ng/L		92	52 - 140		
Perfluorotetradecanoic acid (PFTeDA)			2.00	2.275		ng/L		114	52 - 156		

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-626896/2-A
Matrix: Water
Analysis Batch: 626980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 626896

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	1.77	1.922	J	ng/L		109	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.88	2.060		ng/L		110	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	1.82	2.003		ng/L		110	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	1.90	2.105		ng/L		111	51 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	2.072		ng/L		112	43 - 162
Perfluorononanesulfonic acid (PFNS)	1.92	1.905	J	ng/L		99	46 - 151
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.549	J	ng/L		80	30 - 138
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.47	7.693	J	ng/L		103	52 - 158
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.58	7.847	J	ng/L		103	48 - 158
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.66	8.368		ng/L		109	46 - 165
Perfluorooctanesulfonamide (PFOSA)	2.00	2.345		ng/L		117	47 - 163
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	2.622		ng/L		131	54 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	2.750		ng/L		137	49 - 156
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.283		ng/L		114	32 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.258		ng/L		113	51 - 154
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	24.13		ng/L		121	56 - 151
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	21.65		ng/L		108	60 - 147
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	8.805		ng/L		110	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.54	8.473		ng/L		112	61 - 148
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.097		ng/L		102	49 - 154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.435		ng/L		111	47 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	7.46	7.326	J	ng/L		98	44 - 167
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	7.54	7.511	J	ng/L		100	36 - 158
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.56	4.115		ng/L		116	56 - 144
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	9.330	J	ng/L		93	32 - 161
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	43.72	J	ng/L		87	39 - 156
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	47.99	J	ng/L		96	36 - 149
Perfluorodecanesulfonic acid (PFDS)	1.93	1.983	J	ng/L		103	50 - 144

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-626896/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 626980
Prep Batch: 626896

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoro-3-methoxypropanoic acid (PFMPA)			4.00	4.191		ng/L		105	48 - 150		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*86.0*		*10 - 130*
13C5 PFPeA	*76.2*		*40 - 150*
13C5 PFHxA	*74.4*		*40 - 150*
13C4 PFHpA	*75.5*		*40 - 150*
13C8 PFOA	*82.3*		*30 - 140*
13C9 PFNA	*94.8*		*30 - 140*
13C6 PFDA	*95.6*		*20 - 140*
13C7 PFUnA	*89.2*		*20 - 140*
13C2 PFTeDA	*70.5*		*10 - 130*
13C3 PFBS	*107*		*25 - 150*
13C3 PFHxS	*107*		*25 - 150*
13C8 PFOS	*102*		*20 - 140*
13C8 FOSA	*96.8*		*10 - 130*
d3-NMeFOSAA	*94.6*		*10 - 200*
d5-NEtFOSAA	*100*		*10 - 200*
M2-4:2 FTS	*130*		*25 - 200*
M2-6:2 FTS	*121*		*25 - 200*
M2-8:2 FTS	*117*		*25 - 200*
13C3 HFPO-DA	*77.9*		*25 - 160*
d7-N-MeFOSE-M	*84.9*		*10 - 150*
d9-N-EtFOSE-M	*89.5*		*10 - 150*
d5-NEtPFOSA	*70.6*		*10 - 130*
d3-NMePFOSA	*72.7*		*10 - 130*
13C2-PFDoDA	*87.8*		*10 - 150*

Method: Moisture - Percent Moisture

Lab Sample ID: 240-210962-A-2 DU
Client Sample ID: Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 626939

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	89.7			86.9		%				3	20
Percent Moisture	10.3			13.1	*	%				25	20

Lab Sample ID: 240-210962-A-8 DU
Client Sample ID: Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 626939

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	93.1			93.5		%				0.4	20
Percent Moisture	6.9			6.5		%				5	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 240-210962-A-17 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	92.6			91.6		%				1	20
Percent Moisture	7.4			8.4		%				12	20

Lab Sample ID: 240-210965-A-5 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	82.5			73.6		%				11	20
Percent Moisture	17.5			26.4	*	%				41	20

Lab Sample ID: 240-210965-A-15 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	87.0			85.9		%				1	20
Percent Moisture	13.0			14.1		%				8	20

Lab Sample ID: 240-210967-A-6 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	94.8			94.6		%				0.2	20
Percent Moisture	5.2			5.4		%				4	20

Lab Sample ID: 240-210967-A-15 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	83.6			83.8		%				0.2	20
Percent Moisture	16.4			16.2		%				1	20

Lab Sample ID: 240-211109-A-3 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	96.9			97.1		%				0.2	20
Percent Moisture	3.1			2.9		%				8	20

Lab Sample ID: 240-211119-A-5 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	93.8			94.0		%				0.2	20
Percent Moisture	6.2			6.0		%				3	20

Method: Moisture - Percent Moisture

Lab Sample ID: 240-211119-A-14 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	95.4		95.8		%		0.4	20
Percent Moisture	4.6		4.2		%		10	20

Lab Sample ID: 240-211121-A-6 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	81.5		81.3		%		0.2	20
Percent Moisture	18.5		18.7		%		1	20

Lab Sample ID: 240-211124-D-2 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	95.2		98.4		%		3	20
Percent Moisture	4.8		1.6	*	%		98	20

Lab Sample ID: 240-211132-A-8 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	64.3		83.4	*	%		26	20
Percent Moisture	35.7		16.6	*	%		73	20

Lab Sample ID: 240-211139-D-7 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	82.8		82.4		%		0.4	20
Percent Moisture	17.2		17.6		%		2	20

Lab Sample ID: 240-211140-D-6 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	92.0		91.0		%		1	20
Percent Moisture	8.0		9.0		%		12	20

Lab Sample ID: 240-211166-A-1 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	86.8		90.6		%		4	20
Percent Moisture	13.2		9.4	*	%		34	20

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311100-1

Method: Moisture - Percent Moisture

Lab Sample ID: 240-211166-A-10 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	100			100		%				0	20
Percent Moisture	0.1	U		0.1	U	%				NC	20

Lab Sample ID: 240-211167-A-4 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	90.7			91.1		%				0.3	20
Percent Moisture	9.3			8.9		%				3	20

Lab Sample ID: 240-211168-A-11 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	99.9			99.9		%				0	20
Percent Moisture	0.1			0.1	U	%				NC	20

Lab Sample ID: 460-311100-1 DU
Matrix: Solid
Analysis Batch: 626939

Client Sample ID: RXSB-5_0-2_P
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	92.7			92.6		%				0.1	20
Percent Moisture	7.3			7.4		%				1	20

LCMS

Prep Batch: 626866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311100-1	RXSB-5_0-2_P	Total/NA	Solid	1633 Shake	
MB 240-626866/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-626866/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-626866/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
460-311100-1 DU	RXSB-5_0-2_P	Total/NA	Solid	1633 Shake	

Prep Batch: 626896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311100-2	FB_09092024_P	Total/NA	Water	1633	
MB 240-626896/1-A	Method Blank	Total/NA	Water	1633	
LCS 240-626896/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 240-626896/2-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 626980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311100-2	FB_09092024_P	Total/NA	Water	1633	626896
MB 240-626896/1-A	Method Blank	Total/NA	Water	1633	626896
LCS 240-626896/3-A	Lab Control Sample	Total/NA	Water	1633	626896
LLCS 240-626896/2-A	Lab Control Sample	Total/NA	Water	1633	626896

Analysis Batch: 627004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311100-1	RXSB-5_0-2_P	Total/NA	Solid	1633	626866
MB 240-626866/1-A	Method Blank	Total/NA	Solid	1633	626866
LCS 240-626866/3-A	Lab Control Sample	Total/NA	Solid	1633	626866
LLCS 240-626866/2-A	Lab Control Sample	Total/NA	Solid	1633	626866
460-311100-1 DU	RXSB-5_0-2_P	Total/NA	Solid	1633	626866

General Chemistry

Analysis Batch: 626939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311100-1	RXSB-5_0-2_P	Total/NA	Solid	Moisture	
240-210962-A-2 DU	Duplicate	Total/NA	Solid	Moisture	
240-210962-A-8 DU	Duplicate	Total/NA	Solid	Moisture	
240-210962-A-17 DU	Duplicate	Total/NA	Solid	Moisture	
240-210965-A-5 DU	Duplicate	Total/NA	Solid	Moisture	
240-210965-A-15 DU	Duplicate	Total/NA	Solid	Moisture	
240-210967-A-6 DU	Duplicate	Total/NA	Solid	Moisture	
240-210967-A-15 DU	Duplicate	Total/NA	Solid	Moisture	
240-211109-A-3 DU	Duplicate	Total/NA	Solid	Moisture	
240-211119-A-5 DU	Duplicate	Total/NA	Solid	Moisture	
240-211119-A-14 DU	Duplicate	Total/NA	Solid	Moisture	
240-211121-A-6 DU	Duplicate	Total/NA	Solid	Moisture	
240-211124-D-2 DU	Duplicate	Total/NA	Solid	Moisture	
240-211132-A-8 DU	Duplicate	Total/NA	Solid	Moisture	
240-211139-D-7 DU	Duplicate	Total/NA	Solid	Moisture	
240-211140-D-6 DU	Duplicate	Total/NA	Solid	Moisture	
240-211166-A-1 DU	Duplicate	Total/NA	Solid	Moisture	
240-211166-A-10 DU	Duplicate	Total/NA	Solid	Moisture	
240-211167-A-4 DU	Duplicate	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 626939 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-211168-A-11 DU	Duplicate	Total/NA	Solid	Moisture	
460-311100-1 DU	RXSB-5_0-2_P	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311100-1

Client Sample ID: RXSB-5_0-2_P

Lab Sample ID: 460-311100-1

Date Collected: 09/09/24 08:55
Matrix: Solid
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	626939	GZF4	EET CLE	09/13/24 18:25

Client Sample ID: RXSB-5_0-2_P

Lab Sample ID: 460-311100-1

Date Collected: 09/09/24 08:55
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			626866	CLB	EET CLE	09/12/24 17:38
Total/NA	Analysis	1633		1	627004	RMN	EET CLE	09/14/24 07:01

Client Sample ID: FB_09092024_P

Lab Sample ID: 460-311100-2

Date Collected: 09/09/24 11:00
Matrix: Water
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			626896	JVB4	EET CLE	09/13/24 08:12
Total/NA	Analysis	1633		1	626980	LD	EET CLE	09/13/24 15:29

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311100-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-24

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311100-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
Moisture	Percent Moisture	EPA	EET CLE
1633	Solid-Phase Extraction (SPE)	EPA	EET CLE
1633 Shake	Shake Extraction with SPE	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311100-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311100-1	RXSB-5_0-2_P	Solid	09/09/24 08:55	09/10/24 18:30
460-311100-2	FB_09092024_P	Water	09/09/24 11:00	09/10/24 18:30

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler: EMERY LOVELAMP	Lab PM: Flannery, Elizabeth J	Carrier Tracking No(s):	COC No: 460-185739-121603 1
Client Contact: Lauren Dolginko	Phone: 224-770-6813	E-Mail: Elizabeth Flannery@et.eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 311100

Address	Due Date Requested: STANDARD
209 Shafter St	TAT Requested (days): Standard
City: Islandia	Compliance Project: Δ Yes Δ No
State Zip: NY, 11749	PO #: Purchase Order Requested
Phone: 631-232-2600	WO #: 2828 W 28th Street
Email: ldolginko@rouxinc com	Project #: 46044510
Project Name: 2828 W 28th Street	SSOW#:
Site: 2828 W 28TH ST	

Analysis Requested

Preservation Codes:
N - None

Other:

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 - 1633 Standard List of 40	Total Number of containers
			Preservation Code:				N	
PXSB-5_0-2_P	9/9/24	0855	G	S	N	N	X	1
FB_09092024_P	"	1100	G	W	N	N	X	3

460-311100 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	09/09/24 1440	ROUX		9-10-24 1440	ET
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	9-10-24 1830	ET		9/10/24 1830	ET
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
NO		0.7/0.9

Ver. 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 31100

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.7 °C	0.1 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

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

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

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

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

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

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

Initials: MA Date: 9-10-24

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Flannery, Elizabeth J	Carrier Tracking No(s):	COC No: 460-72112.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - New York		Job #: 460-311100-1
Address: 180 S. Van Buren Avenue, ,	Due Date Requested: 9/12/2024			
City: Barberton	TAT Requested (days):			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: 2828 W 28th Street	Project #: 46044510			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: -

Other:

Pg 9

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Moisture	1633/1633_SPE 1633 Standard List of 40	1633_DRAFT_TSS	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
RXSB-5_0-2_P (460-311100-1)	9/9/24	08:55 Eastern	G	Solid			X	X			1	
FB_09092024_P (460-311100-2)	9/9/24	11:00 Eastern	G	Water					X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9/11/24 1900	FEDEX	SAMPLESIGN	09/12/24 0815	ESE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Eurofins Edison Site Name _____ Cooler unpacked by: JMOROSKO

Cooler Received on 09/12/24 Opened on 09/12/24

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 22 (CF -0.1 °C) Observed Cooler Temp. 1.3 °C Corrected Cooler Temp. 1.2 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC442471
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

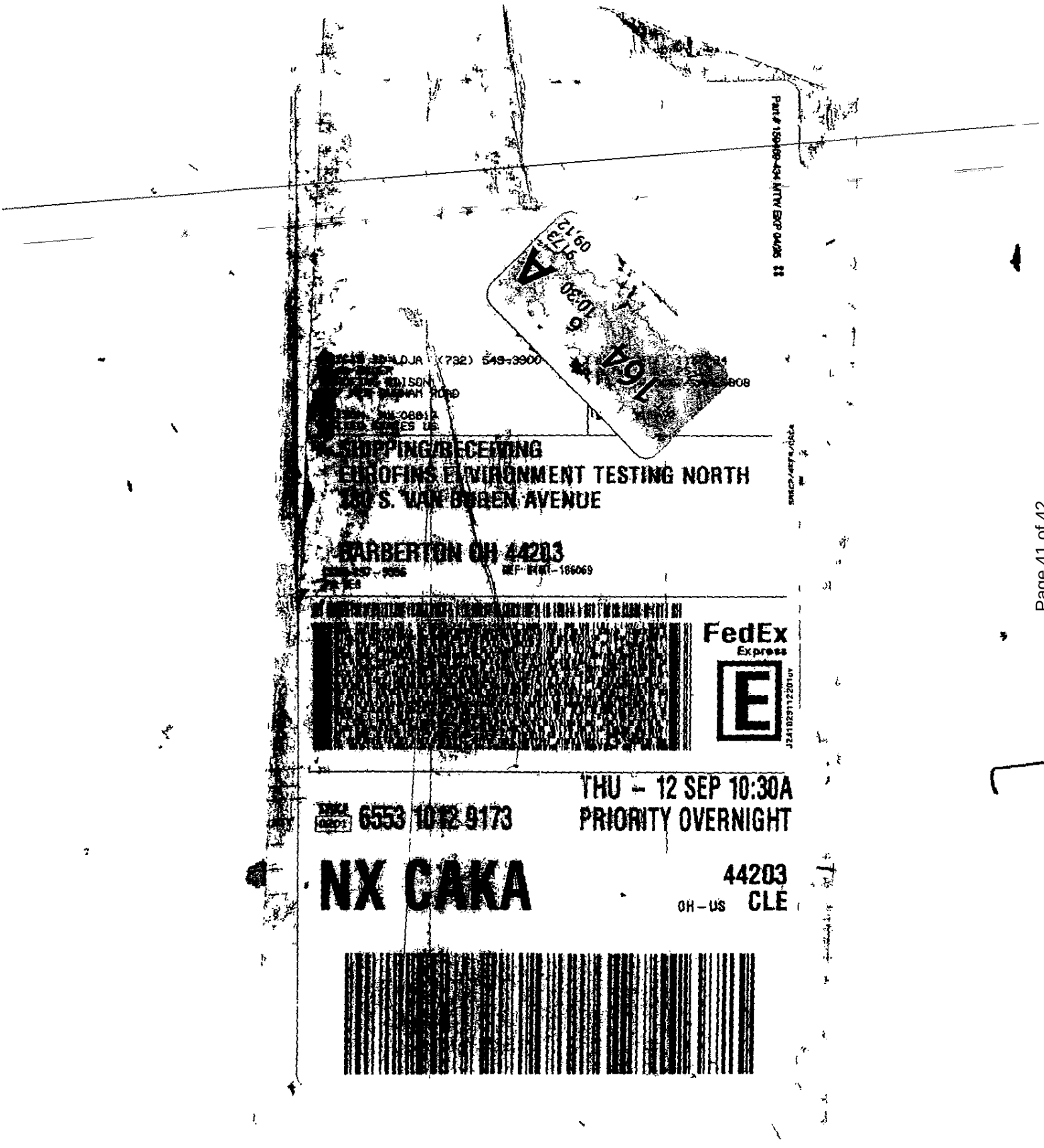
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____


SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
S. VAN BUREN AVENUE
BARBERTON OH 44203
FedEx
Express
THU - 12 SEP 10:30A
PRIORITY OVERNIGHT
6553 1012 9173
NX CAKA
44203
OH-US
CLE

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311100-1

Login Number: 311100

List Source: Eurofins Edison

List Number: 1

Creator: Thundathorn, Sukanan 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 9/19/2024 9:19:21 AM

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311117-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Eurofins Edison

Job Notes

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

Compliance Statement

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

Authorization

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Authorized for release by
Elizabeth Flannery, Project Manager I
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(732)549-3900

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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-311117-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/10/2024 6:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD), RXSB-1_4-6 (460-311117-10) and TB_09102024 (460-311117-11) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 9/11/2024 and analyzed on 9/13/2024.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-995611 recovered outside control limits for the following analytes: Bromoform, Carbon tetrachloride and Dibromochloromethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-995611 recovered above the upper control limit for 1,1,1-Trichloroethane, Bromoform, 1,1,2-Trichloro-1,2,2-trifluoroethane and Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-995597 was outside the method criteria for the following analyte: tert-Butylbenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-995597 recovered outside control limits for the following analyte: tert-Butylbenzene. This analyte was biased low in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 9/11/2024 and analyzed on 9/12/2024.

The continuing calibration verification (CCV) analyzed in batch 460-995383 was outside the method criteria for the following analyte(s): Benzaldehyde and Hexachlorocyclopentadiene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-995338 and analytical batch 460-995383 recovered outside control limits for the following analytes: 2,4-Dimethylphenol, 2,6-Dinitrotoluene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene and Hexachlorocyclopentadiene. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been flagged and reported.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 9/12/2024 and analyzed on 9/13/2024 and 9/16/2024.

Sample RXSB-2_0-2 (460-311117-1)[10x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The surrogate recovery for the blank associated with preparation batch 460-995504 and analytical batch 460-995697 was outside the upper control limits on the primary column.

Method 8081B - Organochlorine Pesticides (GC)
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 9/12/2024 and analyzed on 9/13/2024.

The continuing calibration verification (CCV) associated with batch 460-995588 recovered below the lower control limit for Methoxychlor and 4,4'-DDT on the secondary column.
The CCV at the reporting limits was analyzed and the affected analyte was detected therefore the data is reported. Methoxychlor and 4,4'-DDT was within control limits on the primary column (CCVIS 460-995588/3).

Method 6020B - Metals (ICP/MS)
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Metals (ICP/MS). The samples were prepared and analyzed on 9/13/2024.

Samples RXSB-2_0-2 (460-311117-1)[10x] and RXSB-7_0-2 (460-311117-3)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method 7471B - Mercury (CVAA)
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 9/16/2024.

Samples RXSB-2_0-2 (460-311117-1)[20x] and RXSB-4_0-2 (460-311117-5)[3x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method 7196A - Chromium, Hexavalent
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9DU), RXSB-1_0-2 (460-311117-9MSS) and RXSB-1_4-6 (460-311117-10) were analyzed for Chromium, Hexavalent. The samples were prepared and analyzed on 9/18/2024.

Method 7196A - Chromium, Trivalent (Colorimetric)
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9) and RXSB-1_4-6 (460-311117-10) were analyzed for Chromium, Trivalent (Colorimetric). The samples were analyzed on 9/16/2024.

Method 9012B - Cyanide, Total andor Amenable
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Cyanide, Total andor Amenable. The samples were prepared on 9/14/2024 and analyzed on 9/15/2024.

Method Moisture - Percent Moisture
Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9) and RXSB-1_4-6 (460-311117-10) were analyzed for Percent Moisture. The samples were analyzed on 9/11/2024 and 9/15/2024.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-2_0-2
Lab Sample ID: 460-311117-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.014	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.11	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.080	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.41		0.035	0.027	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.99		0.035	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.0		0.035	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	2.2		0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.60		0.035	0.0070	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.47		0.35	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	1.6		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.013	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.64		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.012	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.9		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.037	J	0.35	0.0061	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.22	J	0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.76		0.35	0.0088	mg/Kg	1	☼	8270E	Total/NA
Aroclor-1262	3.9		0.72	0.19	mg/Kg	10	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	3.9		0.72	0.19	mg/Kg	10	☼	8082A	Total/NA
Cadmium	17.7		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.44		0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Barium	2450		20.1	1.5	mg/Kg	10	☼	6020B	Total/NA
Nickel	391		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Silver	1.4		0.40	0.090	mg/Kg	1	☼	6020B	Total/NA
Arsenic	17.5		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Copper	813		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Lead	9060		6.0	2.0	mg/Kg	10	☼	6020B	Total/NA
Zinc	11500		80.5	30.7	mg/Kg	10	☼	6020B	Total/NA
Selenium	1.5		1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Manganese	383		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Chromium	383		2.0	0.91	mg/Kg	1	☼	6020B	Total/NA
Mercury	8.6		0.34	0.16	mg/Kg	20	☼	7471B	Total/NA
Cr (III)	382		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cr (VI)	1.5	J	2.2	0.91	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	1.3		0.23	0.13	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-2_4-6
Lab Sample ID: 460-311117-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.012	J	0.33	0.0094	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.47		0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.31	J	0.33	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	2.2		0.033	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.8		0.033	0.0088	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	2.9		0.033	0.0086	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.85		0.33	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1.2		0.033	0.0065	mg/Kg	1	☼	8270E	Total/NA
Chrysene	2.2		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.14		0.033	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.012	J	0.33	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	3.9		0.33	0.012	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: RXSB-2_4-6 (Continued)
Lab Sample ID: 460-311117-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.037	J	0.33	0.0097	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.99		0.033	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.027	J	0.33	0.0057	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.61		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	3.5		0.33	0.0082	mg/Kg	1	☼	8270E	Total/NA
Cadmium	0.16	J	0.92	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	15.7		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Nickel	3.9		1.8	0.43	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.1		0.92	0.094	mg/Kg	1	☼	6020B	Total/NA
Copper	4.6		1.8	0.34	mg/Kg	1	☼	6020B	Total/NA
Lead	36.4		0.55	0.18	mg/Kg	1	☼	6020B	Total/NA
Zinc	146		7.3	2.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	26.9		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Chromium	3.0		1.8	0.83	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.046		0.017	0.0078	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	3.0		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.11	J	0.21	0.11	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-7_0-2
Lab Sample ID: 460-311117-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.062	J	0.35	0.0099	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.093	J	0.35	0.0099	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.20	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.0		0.035	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.0		0.035	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.5		0.035	0.0090	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.43		0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.54		0.035	0.0068	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.97		0.35	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.13		0.035	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.022	J	0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.9		0.35	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.048	J	0.35	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.53		0.035	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.026	J	0.35	0.0060	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.84		0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.6		0.35	0.0086	mg/Kg	1	☼	8270E	Total/NA
Cadmium	1.5		0.94	0.11	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.27	J	0.38	0.054	mg/Kg	1	☼	6020B	Total/NA
Barium	2290		9.4	0.68	mg/Kg	5	☼	6020B	Total/NA
Nickel	25.2		1.9	0.44	mg/Kg	1	☼	6020B	Total/NA
Silver	0.11	J	0.38	0.084	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.8		0.94	0.097	mg/Kg	1	☼	6020B	Total/NA
Copper	30.6		1.9	0.35	mg/Kg	1	☼	6020B	Total/NA
Lead	579		0.57	0.19	mg/Kg	1	☼	6020B	Total/NA
Zinc	966		7.5	2.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.13	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Manganese	146		3.8	0.38	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.5		1.9	0.86	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.43		0.018	0.0084	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-7_0-2 (Continued) — Lab Sample ID: 460-311117-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	11.5		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.16	J	0.19	0.10	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-7_4-6 — Lab Sample ID: 460-311117-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.10	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.37		0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.75		0.33	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	3.5		0.033	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	3.5		0.033	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	4.6		0.033	0.0086	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1.2		0.33	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	2.4		0.033	0.0065	mg/Kg	1	☼	8270E	Total/NA
Chrysene	3.5		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.37		0.033	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.050	J	0.33	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	6.7		0.33	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.16	J	0.33	0.0097	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.5		0.033	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.067	J	0.33	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	2.9		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	5.6		0.33	0.0083	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDT	0.011		0.0067	0.0012	mg/Kg	1	☼	8081B	Total/NA
Cadmium	0.24	J	0.93	0.10	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.079	J	0.37	0.053	mg/Kg	1	☼	6020B	Total/NA
Barium	224		1.9	0.13	mg/Kg	1	☼	6020B	Total/NA
Nickel	5.8		1.9	0.43	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.1		0.93	0.095	mg/Kg	1	☼	6020B	Total/NA
Copper	8.7		1.9	0.34	mg/Kg	1	☼	6020B	Total/NA
Lead	207		0.56	0.19	mg/Kg	1	☼	6020B	Total/NA
Zinc	243		7.4	2.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	35.4		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Chromium	10.4		1.9	0.84	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.053		0.016	0.0077	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	10.4		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.12	J	0.21	0.11	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-4_0-2 — Lab Sample ID: 460-311117-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00075	J	0.0012	0.00029	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.10	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.29	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.46		0.33	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	2.6		0.033	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	2.9		0.033	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	4.2		0.033	0.0086	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1.0		0.33	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	1.7		0.033	0.0065	mg/Kg	1	☼	8270E	Total/NA
Chrysene	2.6		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.18		0.033	0.014	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-4_0-2 (Continued)
Lab Sample ID: 460-311117-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenzofuran	0.048	J	0.33	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	4.7		0.33	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.098	J	0.33	0.0097	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.1		0.033	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.046	J	0.33	0.0057	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.8		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	4.1		0.33	0.0083	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.014		0.0067	0.00079	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.027		0.0067	0.0012	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1254	0.18		0.067	0.018	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.18		0.067	0.018	mg/Kg	1	☼	8082A	Total/NA
Cadmium	2.7		0.98	0.11	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.23	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Barium	583		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Nickel	20.4		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Silver	0.19	J	0.39	0.087	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.1		0.98	0.10	mg/Kg	1	☼	6020B	Total/NA
Copper	61.2		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Lead	643		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	544		7.8	3.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.37	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Manganese	242		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.9		2.0	0.89	mg/Kg	1	☼	6020B	Total/NA
Mercury	1.1		0.048	0.023	mg/Kg	3	☼	7471B	Total/NA
Cr (III)	15.9		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.45		0.22	0.12	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-4_4-6
Lab Sample ID: 460-311117-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.029	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.047	J	0.33	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.16		0.033	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.16		0.033	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.20		0.033	0.0086	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.16	J	0.33	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.084		0.033	0.0065	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.16	J	0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.023	J	0.033	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.32	J	0.33	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.15		0.033	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.014	J	0.33	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.12	J	0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.26	J	0.33	0.0083	mg/Kg	1	☼	8270E	Total/NA
Cadmium	0.41	J	0.90	0.10	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.13	J	0.36	0.051	mg/Kg	1	☼	6020B	Total/NA
Barium	307		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.2		1.8	0.42	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.4		0.90	0.093	mg/Kg	1	☼	6020B	Total/NA
Copper	8.9		1.8	0.33	mg/Kg	1	☼	6020B	Total/NA
Lead	255		0.54	0.18	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-4_4-6 (Continued)
Lab Sample ID: 460-311117-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	397		7.2	2.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.12	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Manganese	56.3		3.6	0.36	mg/Kg	1	☼	6020B	Total/NA
Chromium	6.3		1.8	0.82	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.17		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	5.3		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cr (VI)	0.99	J	2.0	0.86	mg/Kg	1	☼	7196A	Total/NA

Client Sample ID: RXSB-6_0-2
Lab Sample ID: 460-311117-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.033	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.12	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.14	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.86		0.034	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.0		0.034	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.3		0.034	0.0088	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.48		0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.66		0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.0		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.12		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.015	J	0.34	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.7		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.032	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.57		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.017	J	0.34	0.0059	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.68		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.6		0.34	0.0085	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0064	J	0.0069	0.00082	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0076		0.0069	0.0013	mg/Kg	1	☼	8081B	Total/NA
Cadmium	1.9		0.97	0.11	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.22	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Barium	387		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.1		1.9	0.46	mg/Kg	1	☼	6020B	Total/NA
Silver	0.21	J	0.39	0.087	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.1		0.97	0.10	mg/Kg	1	☼	6020B	Total/NA
Copper	90.3		1.9	0.36	mg/Kg	1	☼	6020B	Total/NA
Lead	475		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Zinc	553		7.8	3.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.31	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Manganese	139		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.7		1.9	0.89	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.73		0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	13.7		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.83		0.22	0.12	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-6_4-6
Lab Sample ID: 460-311117-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.045	J	0.33	0.0095	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.14	J	0.33	0.0096	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.26	J	0.33	0.010	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-6_4-6 (Continued) — Lab Sample ID: 460-311117-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1.4		0.033	0.025	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.2		0.033	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.6		0.033	0.0087	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.52		0.33	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.79		0.033	0.0066	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.2		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.14		0.033	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.019	J	0.33	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	2.5		0.33	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.055	J	0.33	0.0098	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.61		0.033	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.020	J	0.33	0.0058	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.98		0.33	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	2.0		0.33	0.0083	mg/Kg	1	☼	8270E	Total/NA
Cadmium	0.15	J	0.89	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	69.7		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Nickel	3.2		1.8	0.42	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.6		0.89	0.092	mg/Kg	1	☼	6020B	Total/NA
Copper	13.7		1.8	0.33	mg/Kg	1	☼	6020B	Total/NA
Lead	122		0.53	0.18	mg/Kg	1	☼	6020B	Total/NA
Zinc	92.3		7.1	2.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	24.1		3.6	0.36	mg/Kg	1	☼	6020B	Total/NA
Chromium	3.8		1.8	0.81	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.022		0.016	0.0077	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	3.8		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.38		0.23	0.12	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-1_0-2 — Lab Sample ID: 460-311117-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.00063	J	0.0014	0.00027	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0012	J	0.0014	0.00024	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0019	J	0.0028	0.00024	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.035	J	0.34	0.0098	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.074	J	0.34	0.0098	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.15	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.45		0.034	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.72		0.034	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.76		0.034	0.0089	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1.0	*	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.38	*	0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.50		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.24		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.031	J	0.34	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	1.0		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.042	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.0		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.024	J	0.34	0.0059	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.63		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.85		0.34	0.0085	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0051	J	0.0069	0.00082	mg/Kg	1	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-1_0-2 (Continued)
Lab Sample ID: 460-311117-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.0072		0.0069	0.0013	mg/Kg	1	☼	8081B	Total/NA
Cadmium	0.69	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.18	J	0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Barium	325		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.2		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Silver	0.17	J	0.41	0.092	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.3		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Copper	22.2		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Lead	441		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	342		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.24	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Manganese	99.2		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.7		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.43		0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	11.8		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cr (VI)	0.97	J	2.1	0.88	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.51		0.25	0.14	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: RXSB-1_4-6
Lab Sample ID: 460-311117-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.00051	J	0.0013	0.00024	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0010	J	0.0013	0.00022	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0015	J	0.0025	0.00022	mg/Kg	1	☼	8260D	Total/NA
Acenaphthene	0.10	J	0.34	0.0097	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.22	J	0.34	0.0098	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.34		0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.5		0.034	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.6		0.034	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	2.2		0.034	0.0088	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.75		0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.96		0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.5		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.13		0.034	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.052	J	0.34	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	2.8		0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.093	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.82		0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.045	J	0.34	0.0059	mg/Kg	1	☼	8270E	Total/NA
Pentachlorophenol	0.16	J	0.27	0.070	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.4		0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	2.5		0.34	0.0085	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0044	J	0.0069	0.00082	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.014		0.0069	0.0013	mg/Kg	1	☼	8081B	Total/NA
Cadmium	2.4		0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.21	J	0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Barium	420		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.9		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Silver	0.15	J	0.39	0.088	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.5		0.99	0.10	mg/Kg	1	☼	6020B	Total/NA
Copper	22.6		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXSB-1_4-6 (Continued) — Lab Sample ID: 460-311117-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	589		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	467		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.23	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Manganese	113		3.9	0.40	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.2		2.0	0.90	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.39		0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA
Cr (III)	12.2		2.0	2.0	mg/Kg	1	☼	7196A	Total/NA
Cyanide, Total	0.33		0.22	0.12	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: TB_09102024 — Lab Sample ID: 460-311117-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.51	J	1.0	0.32	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-2_0-2
Lab Sample ID: 460-311117-1
Date Collected: 09/10/24 08:10
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Acetone	0.0076	U	0.0076	0.0072	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
o-Xylene	0.0013	U	0.0013	0.00024	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00065	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
1,4-Dioxane	0.13	U	0.13	0.012	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Trichloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1
tert-Butylbenzene	0.0013	U *	0.0013	0.00035	mg/Kg	☼	09/11/24 19:28	09/13/24 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*71 - 128*	*09/11/24 19:28*	*09/13/24 15:04*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*09/11/24 19:28*	*09/13/24 15:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*09/11/24 19:28*	*09/13/24 15:04*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*09/11/24 19:28*	*09/13/24 15:04*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Acenaphthene	**0.014**	**J**	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Acenaphthylene	**0.11**	**J**	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Anthracene	**0.080**	**J**	0.35	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Benzo[a]anthracene	**0.41**		0.035	0.027	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Benzo[a]pyrene	**0.99**		0.035	0.0094	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Benzo[b]fluoranthene	**1.0**		0.035	0.0092	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

Client Sample ID: RXSB-2_0-2
Date Collected: 09/10/24 08:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-1
Matrix: Solid
Percent Solids: 92.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**2.2**		0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Benzo[k]fluoranthene	**0.60**		0.035	0.0070	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Chrysene	**0.47**		0.35	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Dibenz(a,h)anthracene	**1.6**		0.035	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Dibenzofuran	**0.013**	**J**	0.35	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Fluoranthene	**0.64**		0.35	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Fluorene	**0.012**	**J**	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Indeno[1,2,3-cd]pyrene	**1.9**		0.035	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Naphthalene	**0.037**	**J**	0.35	0.0061	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Phenanthrene	**0.22**	**J**	0.35	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1
Pyrene	**0.76**		0.35	0.0088	mg/Kg	☼	09/11/24 20:46	09/12/24 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*	*09/11/24 20:46*	*09/12/24 13:20*	*1*
2-Fluorobiphenyl	*90*		*38 - 128*	*09/11/24 20:46*	*09/12/24 13:20*	*1*
2-Fluorophenol (Surr)	*85*		*31 - 133*	*09/11/24 20:46*	*09/12/24 13:20*	*1*
Nitrobenzene-d5 (Surr)	*91*		*31 - 120*	*09/11/24 20:46*	*09/12/24 13:20*	*1*
Phenol-d5 (Surr)	*87*		*35 - 132*	*09/11/24 20:46*	*09/12/24 13:20*	*1*
Terphenyl-d14 (Surr)	*89*		*44 - 147*	*09/11/24 20:46*	*09/12/24 13:20*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
alpha-BHC	0.0021	U	0.0021	0.00073	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	09/12/24 17:07	09/13/24 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*17 - 150*	*09/12/24 17:07*	*09/13/24 05:17*	*1*
DCB Decachlorobiphenyl	*54*		*17 - 150*	*09/12/24 17:07*	*09/13/24 05:17*	*1*

Client Sample ID: RXSB-2_0-2
Date Collected: 09/10/24 08:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-1
Matrix: Solid
Percent Solids: 92.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	34		21 - 150	09/12/24 17:07	09/13/24 05:17	1
Tetrachloro-m-xylene	35		21 - 150	09/12/24 17:07	09/13/24 05:17	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.72	U	0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1221	0.72	U	0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1232	0.72	U	0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1242	0.72	U	0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1248	0.72	U	0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1254	0.72	U	0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1260	0.72	U	0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10
Aroclor-1262	**3.9**		0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1268	0.72	U	0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10
Polychlorinated biphenyls, Total	**3.9**		0.72	0.19	mg/Kg	☼	09/12/24 16:57	09/16/24 11:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		20 - 150	09/12/24 16:57	09/16/24 11:58	10
DCB Decachlorobiphenyl	100		20 - 150	09/12/24 16:57	09/16/24 11:58	10
Tetrachloro-m-xylene	45		20 - 150	09/12/24 16:57	09/16/24 11:58	10
Tetrachloro-m-xylene	54		20 - 150	09/12/24 16:57	09/16/24 11:58	10

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**17.7**		1.0	0.11	mg/Kg	☼	09/13/24 07:41	09/13/24 15:50	1
Beryllium	**0.44**		0.40	0.057	mg/Kg	☼	09/13/24 07:41	09/13/24 15:50	1
Barium	**2450**		20.1	1.5	mg/Kg	☼	09/13/24 07:41	09/13/24 16:46	10
Nickel	**391**		2.0	0.47	mg/Kg	☼	09/13/24 07:41	09/13/24 15:50	1
Silver	**1.4**		0.40	0.090	mg/Kg	☼	09/13/24 07:41	09/13/24 15:50	1
Arsenic	**17.5**		1.0	0.10	mg/Kg	☼	09/13/24 07:41	09/13/24 15:50	1
Copper	**813**		2.0	0.37	mg/Kg	☼	09/13/24 07:41	09/13/24 15:50	1
Lead	**9060**		6.0	2.0	mg/Kg	☼	09/13/24 07:41	09/13/24 16:46	10
Zinc	**11500**		80.5	30.7	mg/Kg	☼	09/13/24 07:41	09/13/24 16:46	10
Selenium	**1.5**		1.3	0.13	mg/Kg	☼	09/13/24 07:41	09/13/24 15:50	1
Manganese	**383**		4.0	0.41	mg/Kg	☼	09/13/24 07:41	09/13/24 15:50	1
Chromium	**383**		2.0	0.91	mg/Kg	☼	09/13/24 07:41	09/13/24 15:50	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**8.6**		0.34	0.16	mg/Kg	☼	09/16/24 00:42	09/16/24 07:56	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**382**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	**1.5**	**J**	2.2	0.91	mg/Kg	☼	09/18/24 09:46	09/18/24 11:40	1
Cyanide, Total (SW846 9012B)	**1.3**		0.23	0.13	mg/Kg	☼	09/14/24 21:29	09/15/24 17:49	1
Percent Moisture (EPA Moisture)	**7.2**		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	**92.8**		1.0	1.0	%			09/11/24 16:14	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-2_4-6
Lab Sample ID: 460-311117-2
Date Collected: 09/10/24 08:15
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Acetone	0.0072	U	0.0072	0.0069	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
1,4-Dioxane	0.12	U	0.12	0.011	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1
tert-Butylbenzene	0.0012	U *	0.0012	0.00033	mg/Kg	☼	09/11/24 19:29	09/13/24 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*71 - 128*	*09/11/24 19:29*	*09/13/24 15:29*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*09/11/24 19:29*	*09/13/24 15:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*09/11/24 19:29*	*09/13/24 15:29*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*	*09/11/24 19:29*	*09/13/24 15:29*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Acenaphthene	**0.012**	**J**	0.33	0.0094	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Acenaphthylene	**0.47**		0.33	0.0095	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Anthracene	**0.31**	**J**	0.33	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Benzo[a]anthracene	**2.2**		0.033	0.025	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Benzo[a]pyrene	**1.8**		0.033	0.0088	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Benzo[b]fluoranthene	**2.9**		0.033	0.0086	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1

Client Sample ID: RXSB-2_4-6
Lab Sample ID: 460-311117-2
Date Collected: 09/10/24 08:15
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**0.85**		0.33	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Benzo[k]fluoranthene	**1.2**		0.033	0.0065	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Chrysene	**2.2**		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Dibenz(a,h)anthracene	**0.14**		0.033	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Dibenzofuran	**0.012**	**J**	0.33	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Fluoranthene	**3.9**		0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Fluorene	**0.037**	**J**	0.33	0.0097	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Indeno[1,2,3-cd]pyrene	**0.99**		0.033	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Naphthalene	**0.027**	**J**	0.33	0.0057	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Phenanthrene	**0.61**		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1
Pyrene	**3.5**		0.33	0.0082	mg/Kg	☼	09/11/24 20:46	09/12/24 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*24 - 137*	*09/11/24 20:46*	*09/12/24 11:53*	*1*
2-Fluorobiphenyl	*99*		*38 - 128*	*09/11/24 20:46*	*09/12/24 11:53*	*1*
2-Fluorophenol (Surr)	*98*		*31 - 133*	*09/11/24 20:46*	*09/12/24 11:53*	*1*
Nitrobenzene-d5 (Surr)	*100*		*31 - 120*	*09/11/24 20:46*	*09/12/24 11:53*	*1*
Phenol-d5 (Surr)	*102*		*35 - 132*	*09/11/24 20:46*	*09/12/24 11:53*	*1*
Terphenyl-d14 (Surr)	*101*		*44 - 147*	*09/11/24 20:46*	*09/12/24 11:53*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0068	U	0.0068	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
4,4'-DDE	0.0068	U	0.0068	0.00080	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
4,4'-DDT	0.0068	U	0.0068	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Chlordane (technical)	0.068	U	0.068	0.016	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
cis-Chlordane	0.0068	U	0.0068	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Dieldrin	0.0020	U	0.0020	0.00088	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Endosulfan II	0.0068	U	0.0068	0.0017	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Endosulfan sulfate	0.0068	U	0.0068	0.00085	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Endrin	0.0068	U	0.0068	0.00097	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Heptachlor	0.0068	U	0.0068	0.00080	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Methoxychlor	0.0068	U	0.0068	0.0015	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1
Toxaphene	0.068	U	0.068	0.024	mg/Kg	☼	09/12/24 17:07	09/13/24 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*17 - 150*	*09/12/24 17:07*	*09/13/24 05:30*	*1*
DCB Decachlorobiphenyl	*85*		*17 - 150*	*09/12/24 17:07*	*09/13/24 05:30*	*1*

Client Sample ID: RXSB-2_4-6
Date Collected: 09/10/24 08:15
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-2
Matrix: Solid
Percent Solids: 99.1

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*21 - 150*	*09/12/24 17:07*	*09/13/24 05:30*	*1*
Tetrachloro-m-xylene	*70*		*21 - 150*	*09/12/24 17:07*	*09/13/24 05:30*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:00*	*1*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:00*	*1*
Tetrachloro-m-xylene	*89*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:00*	*1*
Tetrachloro-m-xylene	*98*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:00*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.16**	**J**	0.92	0.10	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Beryllium	0.37	U	0.37	0.052	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Barium	**15.7**		1.8	0.13	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Nickel	**3.9**		1.8	0.43	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Silver	0.37	U	0.37	0.082	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Arsenic	**1.1**		0.92	0.094	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Copper	**4.6**		1.8	0.34	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Lead	**36.4**		0.55	0.18	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Zinc	**146**		7.3	2.8	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Selenium	1.1	U	1.1	0.12	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Manganese	**26.9**		3.7	0.37	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1
Chromium	**3.0**		1.8	0.83	mg/Kg	☼	09/13/24 07:41	09/13/24 15:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.017	0.0078	mg/Kg	☼	09/16/24 00:42	09/16/24 07:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**3.0**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.86	mg/Kg	☼	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	**0.11**	**J**	0.21	0.11	mg/Kg	☼	09/14/24 21:29	09/15/24 17:50	1
Percent Moisture (EPA Moisture)	1.0	U	1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	**99.1**		1.0	1.0	%			09/11/24 16:14	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-7_0-2
Date Collected: 09/10/24 09:40
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-3
Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Acetone	0.0085	U	0.0085	0.0081	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
1,4-Dioxane	0.14	U	0.14	0.013	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
2-Butanone (MEK)	0.0071	U	0.0071	0.00052	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
Xylenes, Total	0.0028	U	0.0028	0.00025	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1
tert-Butylbenzene	0.0014	U *	0.0014	0.00039	mg/Kg	☼	09/11/24 19:30	09/13/24 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*71 - 128*	*09/11/24 19:30*	*09/13/24 15:54*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*09/11/24 19:30*	*09/13/24 15:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*09/11/24 19:30*	*09/13/24 15:54*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*09/11/24 19:30*	*09/13/24 15:54*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.035	U	0.035	0.030	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Acenaphthene	**0.062**	**J**	0.35	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Acenaphthylene	**0.093**	**J**	0.35	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Anthracene	**0.20**	**J**	0.35	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Benzo[a]anthracene	**1.0**		0.035	0.026	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Benzo[a]pyrene	**1.0**		0.035	0.0093	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Benzo[b]fluoranthene	**1.5**		0.035	0.0090	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1

Client Sample ID: RXSB-7_0-2
Date Collected: 09/10/24 09:40
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-3
Matrix: Solid
Percent Solids: 94.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.43		0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Benzo[k]fluoranthene	0.54		0.035	0.0068	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Chrysene	0.97		0.35	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Dibenz(a,h)anthracene	0.13		0.035	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Dibenzofuran	0.022	J	0.35	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Fluoranthene	1.9		0.35	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Fluorene	0.048	J	0.35	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Hexachlorobenzene	0.035	U	0.035	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Indeno[1,2,3-cd]pyrene	0.53		0.035	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Naphthalene	0.026	J	0.35	0.0060	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Phenanthrene	0.84		0.35	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1
Pyrene	1.6		0.35	0.0086	mg/Kg	☼	09/11/24 20:46	09/12/24 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*24 - 137*	*09/11/24 20:46*	*09/12/24 10:09*	*1*
2-Fluorobiphenyl	*97*		*38 - 128*	*09/11/24 20:46*	*09/12/24 10:09*	*1*
2-Fluorophenol (Surr)	*97*		*31 - 133*	*09/11/24 20:46*	*09/12/24 10:09*	*1*
Nitrobenzene-d5 (Surr)	*98*		*31 - 120*	*09/11/24 20:46*	*09/12/24 10:09*	*1*
Phenol-d5 (Surr)	*101*		*35 - 132*	*09/11/24 20:46*	*09/12/24 10:09*	*1*
Terphenyl-d14 (Surr)	*96*		*44 - 147*	*09/11/24 20:46*	*09/12/24 10:09*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
4,4'-DDE	0.0071	U	0.0071	0.00083	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Endosulfan sulfate	0.0071	U	0.0071	0.00088	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Heptachlor	0.0071	U	0.0071	0.00083	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1
Toxaphene	0.071	U	0.071	0.025	mg/Kg	☼	09/12/24 17:07	09/13/24 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*17 - 150*	*09/12/24 17:07*	*09/13/24 05:43*	*1*
DCB Decachlorobiphenyl	*55*		*17 - 150*	*09/12/24 17:07*	*09/13/24 05:43*	*1*

Client Sample ID: RXSB-7_0-2
Date Collected: 09/10/24 09:40
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-3
Matrix: Solid
Percent Solids: 94.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*41*		*21 - 150*	*09/12/24 17:07*	*09/13/24 05:43*	*1*
Tetrachloro-m-xylene	*43*		*21 - 150*	*09/12/24 17:07*	*09/13/24 05:43*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	☼	09/12/24 16:57	09/13/24 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:18*	*1*
DCB Decachlorobiphenyl	*61*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:18*	*1*
Tetrachloro-m-xylene	*57*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:18*	*1*
Tetrachloro-m-xylene	*47*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:18*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**1.5**		0.94	0.11	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Beryllium	**0.27**	**J**	0.38	0.054	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Barium	**2290**		9.4	0.68	mg/Kg	☼	09/13/24 07:41	09/13/24 16:48	5
Nickel	**25.2**		1.9	0.44	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Silver	**0.11**	**J**	0.38	0.084	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Arsenic	**2.8**		0.94	0.097	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Copper	**30.6**		1.9	0.35	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Lead	**579**		0.57	0.19	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Zinc	**966**		7.5	2.9	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Selenium	**0.13**	**J**	1.2	0.12	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Manganese	**146**		3.8	0.38	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1
Chromium	**11.5**		1.9	0.86	mg/Kg	☼	09/13/24 07:41	09/13/24 16:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.43**		0.018	0.0084	mg/Kg	☼	09/16/24 00:42	09/16/24 04:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**11.5**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.1	U	2.1	0.89	mg/Kg	☼	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	**0.16**	**J**	0.19	0.10	mg/Kg	☼	09/14/24 21:29	09/15/24 17:50	1
Percent Moisture (EPA Moisture)	**5.2**		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	**94.8**		1.0	1.0	%			09/11/24 16:14	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-7_4-6
Lab Sample ID: 460-311117-4
Date Collected: 09/10/24 09:50
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Benzene	0.0014	U	0.0014	0.00037	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Tetrachloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Acetone	0.0086	U	0.0086	0.0082	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Methylene Chloride	0.0029	U	0.0029	0.0016	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
o-Xylene	0.0014	U	0.0014	0.00028	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00073	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
1,4-Dioxane	0.14	U	0.14	0.013	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Trichloroethene	0.0014	U	0.0014	0.00046	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
2-Butanone (MEK)	0.0071	U	0.0071	0.00053	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Vinyl chloride	0.0014	U	0.0014	0.00078	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
Xylenes, Total	0.0029	U	0.0029	0.00025	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00045	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1
tert-Butylbenzene	0.0014	U *	0.0014	0.00039	mg/Kg	☼	09/11/24 19:31	09/13/24 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*71 - 128*	*09/11/24 19:31*	*09/13/24 16:18*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*09/11/24 19:31*	*09/13/24 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*09/11/24 19:31*	*09/13/24 16:18*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*09/11/24 19:31*	*09/13/24 16:18*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Acenaphthene	**0.10**	**J**	0.33	0.0095	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Acenaphthylene	**0.37**		0.33	0.0095	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Anthracene	**0.75**		0.33	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Benzo[a]anthracene	**3.5**		0.033	0.025	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Benzo[a]pyrene	**3.5**		0.033	0.0089	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Benzo[b]fluoranthene	**4.6**		0.033	0.0086	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1

Client Sample ID: RXSB-7_4-6
Lab Sample ID: 460-311117-4
Date Collected: 09/10/24 09:50
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**1.2**		0.33	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Benzo[k]fluoranthene	**2.4**		0.033	0.0065	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Chrysene	**3.5**		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Dibenz(a,h)anthracene	**0.37**		0.033	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Dibenzofuran	**0.050**	**J**	0.33	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Fluoranthene	**6.7**		0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Fluorene	**0.16**	**J**	0.33	0.0097	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Indeno[1,2,3-cd]pyrene	**1.5**		0.033	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Naphthalene	**0.067**	**J**	0.33	0.0058	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Phenanthrene	**2.9**		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1
Pyrene	**5.6**		0.33	0.0083	mg/Kg	☼	09/11/24 20:46	09/12/24 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*24 - 137*	*09/11/24 20:46*	*09/12/24 12:10*	*1*
2-Fluorobiphenyl	*95*		*38 - 128*	*09/11/24 20:46*	*09/12/24 12:10*	*1*
2-Fluorophenol (Surr)	*93*		*31 - 133*	*09/11/24 20:46*	*09/12/24 12:10*	*1*
Nitrobenzene-d5 (Surr)	*95*		*31 - 120*	*09/11/24 20:46*	*09/12/24 12:10*	*1*
Phenol-d5 (Surr)	*96*		*35 - 132*	*09/11/24 20:46*	*09/12/24 12:10*	*1*
Terphenyl-d14 (Surr)	*97*		*44 - 147*	*09/11/24 20:46*	*09/12/24 12:10*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
4,4'-DDT	**0.011**		0.0067	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg	☼	09/12/24 17:07	09/13/24 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*17 - 150*	*09/12/24 17:07*	*09/13/24 05:56*	*1*
DCB Decachlorobiphenyl	*99*		*17 - 150*	*09/12/24 17:07*	*09/13/24 05:56*	*1*

Client Sample ID: RXSB-7_4-6
Date Collected: 09/10/24 09:50
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-4
Matrix: Solid
Percent Solids: 99.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*21 - 150*	*09/12/24 17:07*	*09/13/24 05:56*	*1*
Tetrachloro-m-xylene	*81*		*21 - 150*	*09/12/24 17:07*	*09/13/24 05:56*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*116*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:36*	*1*
DCB Decachlorobiphenyl	*102*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:36*	*1*
Tetrachloro-m-xylene	*101*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:36*	*1*
Tetrachloro-m-xylene	*100*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:36*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.24**	**J**	0.93	0.10	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Beryllium	**0.079**	**J**	0.37	0.053	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Barium	**224**		1.9	0.13	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Nickel	**5.8**		1.9	0.43	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Silver	0.37	U	0.37	0.082	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Arsenic	**1.1**		0.93	0.095	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Copper	**8.7**		1.9	0.34	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Lead	**207**		0.56	0.19	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Zinc	**243**		7.4	2.8	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Selenium	1.2	U	1.2	0.12	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Manganese	**35.4**		3.7	0.37	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1
Chromium	**10.4**		1.9	0.84	mg/Kg	☼	09/13/24 07:41	09/13/24 16:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.053**		0.016	0.0077	mg/Kg	☼	09/16/24 00:42	09/16/24 04:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**10.4**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.86	mg/Kg	☼	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	**0.12**	**J**	0.21	0.11	mg/Kg	☼	09/14/24 21:29	09/15/24 17:51	1
Percent Moisture (EPA Moisture)	1.0	U	1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	**99.2**		1.0	1.0	%			09/11/24 16:14	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-4_0-2
Lab Sample ID: 460-311117-5
Date Collected: 09/10/24 10:45
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Benzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Tetrachloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Acetone	0.0075	U	0.0075	0.0071	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Toluene	**0.00075**	**J**	0.0012	0.00029	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
o-Xylene	0.0012	U	0.0012	0.00024	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Chlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00046	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00064	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00031	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
1,4-Dioxane	0.12	U	0.12	0.011	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Trichloroethene	0.0012	U	0.0012	0.00040	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
2-Butanone (MEK)	0.0062	U	0.0062	0.00046	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Ethylbenzene	0.0012	U	0.0012	0.00025	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00045	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00022	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Vinyl chloride	0.0012	U	0.0012	0.00068	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Carbon tetrachloride	0.0012	U	0.0012	0.00048	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
n-Butylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
sec-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
N-Propylbenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00039	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1
tert-Butylbenzene	0.0012	U *	0.0012	0.00034	mg/Kg	☼	09/11/24 19:31	09/13/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*71 - 128*	*09/11/24 19:31*	*09/13/24 16:43*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*	*09/11/24 19:31*	*09/13/24 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*09/11/24 19:31*	*09/13/24 16:43*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*09/11/24 19:31*	*09/13/24 16:43*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Acenaphthene	**0.10**	**J**	0.33	0.0095	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Acenaphthylene	**0.29**	**J**	0.33	0.0095	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Anthracene	**0.46**		0.33	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Benzo[a]anthracene	**2.6**		0.033	0.025	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Benzo[a]pyrene	**2.9**		0.033	0.0089	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Benzo[b]fluoranthene	**4.2**		0.033	0.0086	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1

Client Sample ID: RXSB-4_0-2
Lab Sample ID: 460-311117-5
Date Collected: 09/10/24 10:45
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**1.0**		0.33	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Benzo[k]fluoranthene	**1.7**		0.033	0.0065	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Chrysene	**2.6**		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Dibenz(a,h)anthracene	**0.18**		0.033	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Dibenzofuran	**0.048**	**J**	0.33	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Fluoranthene	**4.7**		0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Fluorene	**0.098**	**J**	0.33	0.0097	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Indeno[1,2,3-cd]pyrene	**1.1**		0.033	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Naphthalene	**0.046**	**J**	0.33	0.0057	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Phenanthrene	**1.8**		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1
Pyrene	**4.1**		0.33	0.0083	mg/Kg	☼	09/11/24 20:46	09/12/24 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*	*09/11/24 20:46*	*09/12/24 11:18*	*1*
2-Fluorobiphenyl	*90*		*38 - 128*	*09/11/24 20:46*	*09/12/24 11:18*	*1*
2-Fluorophenol (Surr)	*88*		*31 - 133*	*09/11/24 20:46*	*09/12/24 11:18*	*1*
Nitrobenzene-d5 (Surr)	*90*		*31 - 120*	*09/11/24 20:46*	*09/12/24 11:18*	*1*
Phenol-d5 (Surr)	*92*		*35 - 132*	*09/11/24 20:46*	*09/12/24 11:18*	*1*
Terphenyl-d14 (Surr)	*91*		*44 - 147*	*09/11/24 20:46*	*09/12/24 11:18*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
4,4'-DDE	**0.014**		0.0067	0.00079	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
4,4'-DDT	**0.027**		0.0067	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg	☼	09/12/24 17:07	09/13/24 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*17 - 150*	*09/12/24 17:07*	*09/13/24 06:09*	*1*
DCB Decachlorobiphenyl	*102*		*17 - 150*	*09/12/24 17:07*	*09/13/24 06:09*	*1*

Client Sample ID: RXSB-4_0-2
Lab Sample ID: 460-311117-5

Date Collected: 09/10/24 10:45
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.3

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*21 - 150*	*09/12/24 17:07*	*09/13/24 06:09*	*1*
Tetrachloro-m-xylene	*86*		*21 - 150*	*09/12/24 17:07*	*09/13/24 06:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1254	**0.18**		0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1
Polychlorinated biphenyls, Total	**0.18**		0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*149*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:54*	*1*
DCB Decachlorobiphenyl	*143*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:54*	*1*
Tetrachloro-m-xylene	*111*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:54*	*1*
Tetrachloro-m-xylene	*89*		*20 - 150*	*09/12/24 16:57*	*09/13/24 18:54*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**2.7**		0.98	0.11	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Beryllium	**0.23**	**J**	0.39	0.056	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Barium	**583**		2.0	0.14	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Nickel	**20.4**		2.0	0.46	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Silver	**0.19**	**J**	0.39	0.087	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Arsenic	**5.1**		0.98	0.10	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Copper	**61.2**		2.0	0.36	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Lead	**643**		0.59	0.20	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Zinc	**544**		7.8	3.0	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Selenium	**0.37**	**J**	1.2	0.13	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Manganese	**242**		3.9	0.39	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1
Chromium	**15.9**		2.0	0.89	mg/Kg	☼	09/13/24 07:41	09/13/24 16:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.1**		0.048	0.023	mg/Kg	☼	09/16/24 00:42	09/16/24 07:38	3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**15.9**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.85	mg/Kg	☼	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	**0.45**		0.22	0.12	mg/Kg	☼	09/14/24 21:29	09/15/24 17:52	1
Percent Moisture (EPA Moisture)	1.0	U	1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	**99.3**		1.0	1.0	%			09/11/24 16:14	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-4_4-6
Lab Sample ID: 460-311117-6
Date Collected: 09/10/24 10:50
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Acetone	0.0076	U	0.0076	0.0072	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
o-Xylene	0.0013	U	0.0013	0.00024	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00065	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
1,4-Dioxane	0.13	U	0.13	0.012	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1
tert-Butylbenzene	0.0013	U *	0.0013	0.00035	mg/Kg	☼	09/11/24 19:32	09/13/24 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*71 - 128*	*09/11/24 19:32*	*09/13/24 17:08*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*09/11/24 19:32*	*09/13/24 17:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*09/11/24 19:32*	*09/13/24 17:08*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*09/11/24 19:32*	*09/13/24 17:08*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Acenaphthene	0.33	U	0.33	0.0095	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Acenaphthylene	**0.029**	**J**	0.33	0.0095	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Anthracene	**0.047**	**J**	0.33	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Benzo[a]anthracene	**0.16**		0.033	0.025	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Benzo[a]pyrene	**0.16**		0.033	0.0089	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Benzo[b]fluoranthene	**0.20**		0.033	0.0086	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1

Client Sample ID: RXSB-4_4-6
Lab Sample ID: 460-311117-6
Date Collected: 09/10/24 10:50
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**0.16**	**J**	0.33	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Benzo[k]fluoranthene	**0.084**		0.033	0.0065	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Chrysene	**0.16**	**J**	0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Dibenz(a,h)anthracene	**0.023**	**J**	0.033	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Fluoranthene	**0.32**	**J**	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Fluorene	0.33	U	0.33	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Indeno[1,2,3-cd]pyrene	**0.15**		0.033	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Naphthalene	**0.014**	**J**	0.33	0.0058	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Phenanthrene	**0.12**	**J**	0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1
Pyrene	**0.26**	**J**	0.33	0.0083	mg/Kg	☼	09/11/24 20:46	09/12/24 09:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*24 - 137*	*09/11/24 20:46*	*09/12/24 09:52*	*1*
2-Fluorobiphenyl	*97*		*38 - 128*	*09/11/24 20:46*	*09/12/24 09:52*	*1*
2-Fluorophenol (Surr)	*97*		*31 - 133*	*09/11/24 20:46*	*09/12/24 09:52*	*1*
Nitrobenzene-d5 (Surr)	*99*		*31 - 120*	*09/11/24 20:46*	*09/12/24 09:52*	*1*
Phenol-d5 (Surr)	*101*		*35 - 132*	*09/11/24 20:46*	*09/12/24 09:52*	*1*
Terphenyl-d14 (Surr)	*98*		*44 - 147*	*09/11/24 20:46*	*09/12/24 09:52*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
4,4'-DDE	0.0067	U	0.0067	0.00080	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Dieldrin	0.0020	U	0.0020	0.00088	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Endosulfan sulfate	0.0067	U	0.0067	0.00085	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Endrin	0.0067	U	0.0067	0.00097	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Heptachlor	0.0067	U	0.0067	0.00080	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg	☼	09/12/24 17:07	09/13/24 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*17 - 150*	*09/12/24 17:07*	*09/13/24 06:22*	*1*
DCB Decachlorobiphenyl	*91*		*17 - 150*	*09/12/24 17:07*	*09/13/24 06:22*	*1*

Client Sample ID: RXSB-4_4-6
Date Collected: 09/10/24 10:50
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-6
Matrix: Solid
Percent Solids: 99.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*21 - 150*	*09/12/24 17:07*	*09/13/24 06:22*	*1*
Tetrachloro-m-xylene	*75*		*21 - 150*	*09/12/24 17:07*	*09/13/24 06:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:12*	*1*
DCB Decachlorobiphenyl	*118*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:12*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:12*	*1*
Tetrachloro-m-xylene	*97*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:12*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.41**	**J**	0.90	0.10	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Beryllium	**0.13**	**J**	0.36	0.051	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Barium	**307**		1.8	0.13	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Nickel	**12.2**		1.8	0.42	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Silver	0.36	U	0.36	0.080	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Arsenic	**1.4**		0.90	0.093	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Copper	**8.9**		1.8	0.33	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Lead	**255**		0.54	0.18	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Zinc	**397**		7.2	2.8	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Selenium	**0.12**	**J**	1.1	0.12	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Manganese	**56.3**		3.6	0.36	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1
Chromium	**6.3**		1.8	0.82	mg/Kg	☼	09/13/24 07:41	09/13/24 16:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.17**		0.017	0.0079	mg/Kg	☼	09/16/24 00:42	09/16/24 07:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**5.3**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	**0.99**	**J**	2.0	0.86	mg/Kg	☼	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	0.20	U	0.20	0.11	mg/Kg	☼	09/14/24 21:29	09/15/24 17:53	1
Percent Moisture (EPA Moisture)	**1.0**		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	**99.0**		1.0	1.0	%			09/11/24 16:14	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-6_0-2
Lab Sample ID: 460-311117-7
Date Collected: 09/10/24 11:45
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 96.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00035	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Benzene	0.0015	U	0.0015	0.00039	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Tetrachloroethene	0.0015	U	0.0015	0.00046	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Acetone	0.0090	U	0.0090	0.0086	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Toluene	0.0015	U	0.0015	0.00035	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
o-Xylene	0.0015	U	0.0015	0.00029	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00077	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00037	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
1,4-Dioxane	0.15	U	0.15	0.014	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00034	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Trichloroethene	0.0015	U	0.0015	0.00048	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
2-Butanone (MEK)	0.0075	U	0.0075	0.00055	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Ethylbenzene	0.0015	U	0.0015	0.00030	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00054	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00026	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Vinyl chloride	0.0015	U	0.0015	0.00082	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Carbon tetrachloride	0.0015	U	0.0015	0.00058	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00034	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
n-Butylbenzene	0.0015	U	0.0015	0.00044	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
1,2,4-Trimethylbenzene	0.0015	U	0.0015	0.00037	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
sec-Butylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
N-Propylbenzene	0.0015	U	0.0015	0.00026	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
Xylenes, Total	0.0030	U	0.0030	0.00026	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
1,3,5-Trimethylbenzene	0.0015	U	0.0015	0.00047	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1
tert-Butylbenzene	0.0015	U *	0.0015	0.00041	mg/Kg	☼	09/11/24 19:33	09/13/24 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*71 - 128*	*09/11/24 19:33*	*09/13/24 17:33*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*09/11/24 19:33*	*09/13/24 17:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*09/11/24 19:33*	*09/13/24 17:33*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*09/11/24 19:33*	*09/13/24 17:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Acenaphthene	**0.033**	**J**	0.34	0.0097	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Acenaphthylene	**0.12**	**J**	0.34	0.0097	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Anthracene	**0.14**	**J**	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Benzo[a]anthracene	**0.86**		0.034	0.026	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Benzo[a]pyrene	**1.0**		0.034	0.0091	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Benzo[b]fluoranthene	**1.3**		0.034	0.0088	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1

Client Sample ID: RXSB-6_0-2
Lab Sample ID: 460-311117-7
Date Collected: 09/10/24 11:45
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 96.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**0.48**		0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Benzo[k]fluoranthene	**0.66**		0.034	0.0067	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Chrysene	**1.0**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Dibenz(a,h)anthracene	**0.12**		0.034	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Dibenzofuran	**0.015**	**J**	0.34	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Fluoranthene	**1.7**		0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Fluorene	**0.032**	**J**	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Indeno[1,2,3-cd]pyrene	**0.57**		0.034	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Naphthalene	**0.017**	**J**	0.34	0.0059	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Phenanthrene	**0.68**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1
Pyrene	**1.6**		0.34	0.0085	mg/Kg	☼	09/11/24 20:46	09/12/24 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*24 - 137*	*09/11/24 20:46*	*09/12/24 10:26*	*1*
2-Fluorobiphenyl	*98*		*38 - 128*	*09/11/24 20:46*	*09/12/24 10:26*	*1*
2-Fluorophenol (Surr)	*97*		*31 - 133*	*09/11/24 20:46*	*09/12/24 10:26*	*1*
Nitrobenzene-d5 (Surr)	*100*		*31 - 120*	*09/11/24 20:46*	*09/12/24 10:26*	*1*
Phenol-d5 (Surr)	*100*		*35 - 132*	*09/11/24 20:46*	*09/12/24 10:26*	*1*
Terphenyl-d14 (Surr)	*100*		*44 - 147*	*09/11/24 20:46*	*09/12/24 10:26*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
4,4'-DDE	**0.0064**	**J**	0.0069	0.00082	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
4,4'-DDT	**0.0076**		0.0069	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
beta-BHC	0.0021	U	0.0021	0.00077	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	09/12/24 17:07	09/13/24 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*17 - 150*	*09/12/24 17:07*	*09/13/24 06:35*	*1*
DCB Decachlorobiphenyl	*103*		*17 - 150*	*09/12/24 17:07*	*09/13/24 06:35*	*1*

Client Sample ID: RXSB-6_0-2
Date Collected: 09/10/24 11:45
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-7
Matrix: Solid
Percent Solids: 96.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*21 - 150*	*09/12/24 17:07*	*09/13/24 06:35*	*1*
Tetrachloro-m-xylene	*87*		*21 - 150*	*09/12/24 17:07*	*09/13/24 06:35*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*139*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:30*	*1*
DCB Decachlorobiphenyl	*144*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:30*	*1*
Tetrachloro-m-xylene	*117*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:30*	*1*
Tetrachloro-m-xylene	*99*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:30*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**1.9**		0.97	0.11	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Beryllium	**0.22**	**J**	0.39	0.056	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Barium	**387**		1.9	0.14	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Nickel	**15.1**		1.9	0.46	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Silver	**0.21**	**J**	0.39	0.087	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Arsenic	**4.1**		0.97	0.10	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Copper	**90.3**		1.9	0.36	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Lead	**475**		0.58	0.19	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Zinc	**553**		7.8	3.0	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Selenium	**0.31**	**J**	1.2	0.12	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Manganese	**139**		3.9	0.39	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1
Chromium	**13.7**		1.9	0.89	mg/Kg	☼	09/13/24 07:41	09/13/24 16:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.73**		0.017	0.0080	mg/Kg	☼	09/16/24 00:42	09/16/24 04:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**13.7**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.1	U	2.1	0.88	mg/Kg	☼	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	**0.83**		0.22	0.12	mg/Kg	☼	09/14/24 21:29	09/15/24 17:54	1
Percent Moisture (EPA Moisture)	**3.2**		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	**96.8**		1.0	1.0	%			09/11/24 16:14	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-6_4-6
Lab Sample ID: 460-311117-8
Date Collected: 09/10/24 11:50
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Acetone	0.0077	U	0.0077	0.0073	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
1,4-Dioxane	0.13	U	0.13	0.012	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
2-Butanone (MEK)	0.0064	U	0.0064	0.00047	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Vinyl chloride	0.0013	U	0.0013	0.00070	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
Xylenes, Total	0.0026	U	0.0026	0.00022	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1
tert-Butylbenzene	0.0013	U *	0.0013	0.00035	mg/Kg	☼	09/11/24 19:34	09/13/24 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*71 - 128*	*09/11/24 19:34*	*09/13/24 19:11*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*09/11/24 19:34*	*09/13/24 19:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*09/11/24 19:34*	*09/13/24 19:11*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*09/11/24 19:34*	*09/13/24 19:11*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
2-Methylphenol	0.33	U	0.33	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Acenaphthene	**0.045**	**J**	0.33	0.0095	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Acenaphthylene	**0.14**	**J**	0.33	0.0096	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Anthracene	**0.26**	**J**	0.33	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Benzo[a]anthracene	**1.4**		0.033	0.025	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Benzo[a]pyrene	**1.2**		0.033	0.0089	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Benzo[b]fluoranthene	**1.6**		0.033	0.0087	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1

Client Sample ID: RXSB-6_4-6
Lab Sample ID: 460-311117-8
Date Collected: 09/10/24 11:50
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 98.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.52		0.33	0.0099	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Benzo[k]fluoranthene	0.79		0.033	0.0066	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Chrysene	1.2		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Dibenz(a,h)anthracene	0.14		0.033	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Dibenzofuran	0.019	J	0.33	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Fluoranthene	2.5		0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Fluorene	0.055	J	0.33	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Indeno[1,2,3-cd]pyrene	0.61		0.033	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Naphthalene	0.020	J	0.33	0.0058	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Pentachlorophenol	0.27	U	0.27	0.069	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Phenanthrene	0.98		0.33	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1
Pyrene	2.0		0.33	0.0083	mg/Kg	☼	09/11/24 20:46	09/12/24 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*24 - 137*	*09/11/24 20:46*	*09/12/24 10:44*	*1*
2-Fluorobiphenyl	*98*		*38 - 128*	*09/11/24 20:46*	*09/12/24 10:44*	*1*
2-Fluorophenol (Surr)	*97*		*31 - 133*	*09/11/24 20:46*	*09/12/24 10:44*	*1*
Nitrobenzene-d5 (Surr)	*98*		*31 - 120*	*09/11/24 20:46*	*09/12/24 10:44*	*1*
Phenol-d5 (Surr)	*101*		*35 - 132*	*09/11/24 20:46*	*09/12/24 10:44*	*1*
Terphenyl-d14 (Surr)	*100*		*44 - 147*	*09/11/24 20:46*	*09/12/24 10:44*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0068	U	0.0068	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
4,4'-DDE	0.0068	U	0.0068	0.00080	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
4,4'-DDT	0.0068	U	0.0068	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Chlordane (technical)	0.068	U	0.068	0.016	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
cis-Chlordane	0.0068	U	0.0068	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
delta-BHC	0.0020	U	0.0020	0.00042	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Dieldrin	0.0020	U	0.0020	0.00088	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Endosulfan II	0.0068	U	0.0068	0.0017	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Endosulfan sulfate	0.0068	U	0.0068	0.00085	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Endrin	0.0068	U	0.0068	0.00097	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00063	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Heptachlor	0.0068	U	0.0068	0.00080	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Methoxychlor	0.0068	U	0.0068	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1
Toxaphene	0.068	U	0.068	0.025	mg/Kg	☼	09/12/24 17:07	09/13/24 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*17 - 150*	*09/12/24 17:07*	*09/13/24 06:48*	*1*
DCB Decachlorobiphenyl	*72*		*17 - 150*	*09/12/24 17:07*	*09/13/24 06:48*	*1*

Client Sample ID: RXSB-6_4-6
Date Collected: 09/10/24 11:50
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-8
Matrix: Solid
Percent Solids: 98.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*53*		*21 - 150*	*09/12/24 17:07*	*09/13/24 06:48*	*1*
Tetrachloro-m-xylene	*55*		*21 - 150*	*09/12/24 17:07*	*09/13/24 06:48*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:47*	*1*
DCB Decachlorobiphenyl	*92*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:47*	*1*
Tetrachloro-m-xylene	*72*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:47*	*1*
Tetrachloro-m-xylene	*75*		*20 - 150*	*09/12/24 16:57*	*09/13/24 19:47*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.15**	**J**	0.89	0.10	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Beryllium	0.36	U	0.36	0.051	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Barium	**69.7**		1.8	0.13	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Nickel	**3.2**		1.8	0.42	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Silver	0.36	U	0.36	0.079	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Arsenic	**1.6**		0.89	0.092	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Copper	**13.7**		1.8	0.33	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Lead	**122**		0.53	0.18	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Zinc	**92.3**		7.1	2.7	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Selenium	1.1	U	1.1	0.11	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Manganese	**24.1**		3.6	0.36	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1
Chromium	**3.8**		1.8	0.81	mg/Kg	☼	09/13/24 07:41	09/13/24 16:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**		0.016	0.0077	mg/Kg	☼	09/16/24 00:42	09/16/24 04:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**3.8**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.86	mg/Kg	☼	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	**0.38**		0.23	0.12	mg/Kg	☼	09/14/24 21:29	09/15/24 17:55	1
Percent Moisture (EPA Moisture)	**1.4**		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	**98.6**		1.0	1.0	%			09/11/24 16:14	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-1_0-2
Date Collected: 09/10/24 13:00
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-9
Matrix: Solid
Percent Solids: 96.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Tetrachloroethene	0.0014	U	0.0014	0.00042	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00028	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Acetone	0.0083	U	0.0083	0.0079	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Toluene	0.0014	U	0.0014	0.00032	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
o-Xylene	**0.00063**	**J**	0.0014	0.00027	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Chlorobenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00071	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
1,4-Dioxane	0.14	U	0.14	0.013	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Trichloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
2-Butanone (MEK)	0.0069	U	0.0069	0.00051	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Ethylbenzene	0.0014	U	0.0014	0.00027	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00049	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Chloroform	0.0014	U	0.0014	0.0013	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
m-Xylene & p-Xylene	**0.0012**	**J**	0.0014	0.00024	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Vinyl chloride	0.0014	U	0.0014	0.00075	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Carbon tetrachloride	0.0014	U	0.0014	0.00053	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00034	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
N-Propylbenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
Xylenes, Total	**0.0019**	**J**	0.0028	0.00024	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00043	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1
tert-Butylbenzene	0.0014	U *	0.0014	0.00038	mg/Kg	☼	09/11/24 19:34	09/13/24 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*71 - 128*	*09/11/24 19:34*	*09/13/24 19:36*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*09/11/24 19:34*	*09/13/24 19:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*09/11/24 19:34*	*09/13/24 19:36*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*09/11/24 19:34*	*09/13/24 19:36*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Acenaphthene	**0.035**	**J**	0.34	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Acenaphthylene	**0.074**	**J**	0.34	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Anthracene	**0.15**	**J**	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Benzo[a]anthracene	**0.45**		0.034	0.026	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Benzo[a]pyrene	**0.72**		0.034	0.0091	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Benzo[b]fluoranthene	**0.76**		0.034	0.0089	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1

Client Sample ID: RXSB-1_0-2
Lab Sample ID: 460-311117-9
Date Collected: 09/10/24 13:00
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 96.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**1.0**	*	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Benzo[k]fluoranthene	**0.38**	*	0.034	0.0067	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Chrysene	**0.50**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Dibenz(a,h)anthracene	**0.24**		0.034	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Dibenzofuran	**0.031**	J	0.34	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Fluoranthene	**1.0**		0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Fluorene	**0.042**	J	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Indeno[1,2,3-cd]pyrene	**1.0**		0.034	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Naphthalene	**0.024**	J	0.34	0.0059	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Pentachlorophenol	0.28	U	0.28	0.070	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Phenanthrene	**0.63**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1
Pyrene	**0.85**		0.34	0.0085	mg/Kg	☼	09/11/24 20:46	09/12/24 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 137*	*09/11/24 20:46*	*09/12/24 11:36*	*1*
2-Fluorobiphenyl	*96*		*38 - 128*	*09/11/24 20:46*	*09/12/24 11:36*	*1*
2-Fluorophenol (Surr)	*95*		*31 - 133*	*09/11/24 20:46*	*09/12/24 11:36*	*1*
Nitrobenzene-d5 (Surr)	*96*		*31 - 120*	*09/11/24 20:46*	*09/12/24 11:36*	*1*
Phenol-d5 (Surr)	*99*		*35 - 132*	*09/11/24 20:46*	*09/12/24 11:36*	*1*
Terphenyl-d14 (Surr)	*96*		*44 - 147*	*09/11/24 20:46*	*09/12/24 11:36*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
4,4'-DDE	**0.0051**	J	0.0069	0.00082	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
4,4'-DDT	**0.0072**		0.0069	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
beta-BHC	0.0021	U	0.0021	0.00078	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	09/12/24 17:07	09/13/24 07:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*17 - 150*	*09/12/24 17:07*	*09/13/24 07:01*	*1*
DCB Decachlorobiphenyl	*107*		*17 - 150*	*09/12/24 17:07*	*09/13/24 07:01*	*1*

Client Sample ID: RXSB-1_0-2
Date Collected: 09/10/24 13:00
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-9
Matrix: Solid
Percent Solids: 96.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*21 - 150*	*09/12/24 17:07*	*09/13/24 07:01*	*1*
Tetrachloro-m-xylene	*91*		*21 - 150*	*09/12/24 17:07*	*09/13/24 07:01*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*20 - 150*	*09/12/24 16:57*	*09/13/24 14:34*	*1*
DCB Decachlorobiphenyl	*88*		*20 - 150*	*09/12/24 16:57*	*09/13/24 14:34*	*1*
Tetrachloro-m-xylene	*96*		*20 - 150*	*09/12/24 16:57*	*09/13/24 14:34*	*1*
Tetrachloro-m-xylene	*65*		*20 - 150*	*09/12/24 16:57*	*09/13/24 14:34*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.69**	**J**	1.0	0.12	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Beryllium	**0.18**	**J**	0.41	0.059	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Barium	**325**		2.1	0.15	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Nickel	**11.2**		2.1	0.49	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Silver	**0.17**	**J**	0.41	0.092	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Arsenic	**5.3**		1.0	0.11	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Copper	**22.2**		2.1	0.38	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Lead	**441**		0.62	0.21	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Zinc	**342**		8.3	3.2	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Selenium	**0.24**	**J**	1.3	0.13	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Manganese	**99.2**		4.1	0.42	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1
Chromium	**12.7**		2.1	0.94	mg/Kg	☼	09/13/24 07:41	09/13/24 15:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.43**		0.017	0.0080	mg/Kg	☼	09/16/24 00:42	09/16/24 04:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**11.8**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	**0.97**	**J**	2.1	0.88	mg/Kg	☼	09/18/24 09:46	09/18/24 11:40	1
Cyanide, Total (SW846 9012B)	**0.51**		0.25	0.14	mg/Kg	☼	09/14/24 21:29	09/15/24 17:42	1
Percent Moisture (EPA Moisture)	**3.6**		1.0	1.0	%			09/15/24 09:52	1
Percent Solids (EPA Moisture)	**96.4**		1.0	1.0	%			09/15/24 09:52	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXSB-1_4-6
Lab Sample ID: 460-311117-10
Date Collected: 09/10/24 13:10
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 96.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Benzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Acetone	0.0075	U	0.0075	0.0072	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Toluene	0.0013	U	0.0013	0.00029	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
o-Xylene	**0.00051**	**J**	0.0013	0.00024	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00064	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
1,4-Dioxane	0.13	U	0.13	0.012	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Trichloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
m-Xylene & p-Xylene	**0.0010**	**J**	0.0013	0.00022	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
Xylenes, Total	**0.0015**	**J**	0.0025	0.00022	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1
tert-Butylbenzene	0.0013	U *	0.0013	0.00035	mg/Kg	☼	09/11/24 19:37	09/13/24 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*71 - 128*	*09/11/24 19:37*	*09/13/24 20:00*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*09/11/24 19:37*	*09/13/24 20:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*09/11/24 19:37*	*09/13/24 20:00*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*09/11/24 19:37*	*09/13/24 20:00*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Acenaphthene	**0.10**	**J**	0.34	0.0097	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Acenaphthylene	**0.22**	**J**	0.34	0.0098	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Anthracene	**0.34**		0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Benzo[a]anthracene	**1.5**		0.034	0.026	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Benzo[a]pyrene	**1.6**		0.034	0.0091	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Benzo[b]fluoranthene	**2.2**		0.034	0.0088	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1

Client Sample ID: RXSB-1_4-6
Lab Sample ID: 460-311117-10
Date Collected: 09/10/24 13:10
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 96.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**0.75**		0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Benzo[k]fluoranthene	**0.96**		0.034	0.0067	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Chrysene	**1.5**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Dibenz(a,h)anthracene	**0.13**		0.034	0.015	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Dibenzofuran	**0.052**	**J**	0.34	0.011	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Fluoranthene	**2.8**		0.34	0.012	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Fluorene	**0.093**	**J**	0.34	0.010	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Indeno[1,2,3-cd]pyrene	**0.82**		0.034	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Naphthalene	**0.045**	**J**	0.34	0.0059	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Pentachlorophenol	**0.16**	**J**	0.27	0.070	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Phenanthrene	**1.4**		0.34	0.014	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1
Pyrene	**2.5**		0.34	0.0085	mg/Kg	☼	09/11/24 20:46	09/12/24 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*24 - 137*	*09/11/24 20:46*	*09/12/24 11:01*	*1*
2-Fluorobiphenyl	*87*		*38 - 128*	*09/11/24 20:46*	*09/12/24 11:01*	*1*
2-Fluorophenol (Surr)	*84*		*31 - 133*	*09/11/24 20:46*	*09/12/24 11:01*	*1*
Nitrobenzene-d5 (Surr)	*85*		*31 - 120*	*09/11/24 20:46*	*09/12/24 11:01*	*1*
Phenol-d5 (Surr)	*89*		*35 - 132*	*09/11/24 20:46*	*09/12/24 11:01*	*1*
Terphenyl-d14 (Surr)	*90*		*44 - 147*	*09/11/24 20:46*	*09/12/24 11:01*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
4,4'-DDE	**0.0044**	**J**	0.0069	0.00082	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
4,4'-DDT	**0.014**		0.0069	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
beta-BHC	0.0021	U	0.0021	0.00078	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	09/12/24 17:07	09/13/24 07:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*17 - 150*	*09/12/24 17:07*	*09/13/24 07:40*	*1*
DCB Decachlorobiphenyl	*70*		*17 - 150*	*09/12/24 17:07*	*09/13/24 07:40*	*1*

Client Sample ID: RXSB-1_4-6
Date Collected: 09/10/24 13:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-10
Matrix: Solid
Percent Solids: 96.5

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*56*		*21 - 150*	*09/12/24 17:07*	*09/13/24 07:40*	*1*
Tetrachloro-m-xylene	*57*		*21 - 150*	*09/12/24 17:07*	*09/13/24 07:40*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☼	09/12/24 16:57	09/13/24 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*20 - 150*	*09/12/24 16:57*	*09/13/24 20:05*	*1*
DCB Decachlorobiphenyl	*93*		*20 - 150*	*09/12/24 16:57*	*09/13/24 20:05*	*1*
Tetrachloro-m-xylene	*76*		*20 - 150*	*09/12/24 16:57*	*09/13/24 20:05*	*1*
Tetrachloro-m-xylene	*62*		*20 - 150*	*09/12/24 16:57*	*09/13/24 20:05*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**2.4**		0.99	0.11	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Beryllium	**0.21**	**J**	0.39	0.056	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Barium	**420**		2.0	0.14	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Nickel	**12.9**		2.0	0.46	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Silver	**0.15**	**J**	0.39	0.088	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Arsenic	**4.5**		0.99	0.10	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Copper	**22.6**		2.0	0.36	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Lead	**589**		0.59	0.20	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Zinc	**467**		7.9	3.0	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Selenium	**0.23**	**J**	1.2	0.13	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Manganese	**113**		3.9	0.40	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1
Chromium	**12.2**		2.0	0.90	mg/Kg	☼	09/13/24 07:41	09/13/24 16:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.39**		0.017	0.0080	mg/Kg	☼	09/16/24 00:42	09/16/24 04:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	**12.2**		2.0	2.0	mg/Kg	☼		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.1	U	2.1	0.88	mg/Kg	☼	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	**0.33**		0.22	0.12	mg/Kg	☼	09/14/24 21:29	09/15/24 17:59	1
Percent Moisture (EPA Moisture)	**3.5**		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	**96.5**		1.0	1.0	%			09/11/24 16:14	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Client Sample ID: TB_09102024
Lab Sample ID: 460-311117-11
Date Collected: 09/10/24 13:10
Matrix: Water
Date Received: 09/10/24 18:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/13/24 09:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/13/24 09:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/13/24 09:36	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 09:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/13/24 09:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/13/24 09:36	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/13/24 09:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/13/24 09:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/13/24 09:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/13/24 09:36	1
Acetone	5.0	U	5.0	4.4	ug/L			09/13/24 09:36	1
Benzene	1.0	U	1.0	0.20	ug/L			09/13/24 09:36	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/13/24 09:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/13/24 09:36	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/13/24 09:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/13/24 09:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/13/24 09:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			09/13/24 09:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/13/24 09:36	1
Methylene Chloride	**0.51**	**J**	1.0	0.32	ug/L			09/13/24 09:36	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/13/24 09:36	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 09:36	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 09:36	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/13/24 09:36	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 09:36	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/13/24 09:36	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/13/24 09:36	1
Toluene	1.0	U	1.0	0.38	ug/L			09/13/24 09:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/13/24 09:36	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/13/24 09:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/13/24 09:36	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/13/24 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 128*		*09/13/24 09:36*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*09/13/24 09:36*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 132*		*09/13/24 09:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/13/24 09:36*	*1*

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(71-128)	(50-150)	(65-138)	(71-126)
460-311117-1	RXSB-2_0-2	97	117	105	98
460-311117-2	RXSB-2_4-6	97	121	108	102
460-311117-3	RXSB-7_0-2	97	117	105	96
460-311117-4	RXSB-7_4-6	94	116	103	97
460-311117-5	RXSB-4_0-2	97	115	102	98
460-311117-6	RXSB-4_4-6	94	118	105	98
460-311117-7	RXSB-6_0-2	93	117	105	98
460-311117-8	RXSB-6_4-6	93	116	105	97
460-311117-9	RXSB-1_0-2	96	120	107	97
460-311117-9 MS	RXSB-1_0-2	95	115	103	101
460-311117-9 MSD	RXSB-1_0-2	100	118	107	105
460-311117-10	RXSB-1_4-6	94	116	106	98
LB3 460-995324/1-A	Method Blank	98	118	104	103
LCS 460-995597/3	Lab Control Sample	101	112	104	104
LCSD 460-995597/4	Lab Control Sample Dup	100	116	102	105
MB 460-995597/7	Method Blank	94	118	102	102

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-311117-11	TB_09102024	99	100	106	100
LCS 460-995611/4	Lab Control Sample	97	103	105	100
LCSD 460-995611/5	Lab Control Sample Dup	98	103	104	101
MB 460-995611/8	Method Blank	99	100	104	99

Surrogate Legend

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

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-311117-1	RXSB-2_0-2	84	90	85	91	87	89
460-311117-2	RXSB-2_4-6	96	99	98	100	102	101
460-311117-3	RXSB-7_0-2	93	97	97	98	101	96
460-311117-4	RXSB-7_4-6	93	95	93	95	96	97
460-311117-5	RXSB-4_0-2	87	90	88	90	92	91

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-311117-6	RXSB-4_4-6	94	97	97	99	101	98
460-311117-7	RXSB-6_0-2	94	98	97	100	100	100
460-311117-8	RXSB-6_4-6	93	98	97	98	101	100
460-311117-9	RXSB-1_0-2	92	96	95	96	99	96
460-311117-9 MS	RXSB-1_0-2	98	101	96	102	104	102
460-311117-9 MSD	RXSB-1_0-2	90	93	89	92	97	93
460-311117-10	RXSB-1_4-6	85	87	84	85	89	90
LCS 460-995338/2-A	Lab Control Sample	102	104	105	109	110	105
LCSD 460-995338/3-A	Lab Control Sample Dup	98	101	101	105	107	102
MB 460-995338/1-A	Method Blank	90	102	101	107	105	105

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(17-150)	(17-150)	(21-150)	(21-150)
460-311117-1	RXSB-2_0-2	54	54	35	34
460-311117-2	RXSB-2_4-6	85	83	70	70
460-311117-3	RXSB-7_0-2	55	52	43	41
460-311117-4	RXSB-7_4-6	99	99	81	80
460-311117-5	RXSB-4_0-2	102	110	86	87
460-311117-6	RXSB-4_4-6	91	97	75	75
460-311117-7	RXSB-6_0-2	103	106	87	87
460-311117-8	RXSB-6_4-6	72	69	55	53
460-311117-9	RXSB-1_0-2	107	115	91	91
460-311117-9 MS	RXSB-1_0-2	88	90	74	72
460-311117-9 MSD	RXSB-1_0-2	84	93	71	68
460-311117-10	RXSB-1_4-6	70	73	57	56
LCS 460-995513/2-A	Lab Control Sample	97	101	86	83
LCSD 460-995513/3-A	Lab Control Sample Dup	99	106	89	86
MB 460-995513/1-A	Method Blank	128	134	112	113

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)
460-311117-1	RXSB-2_0-2	100	80	54	45

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-311117-2	RXSB-2_4-6	98	100	98	89
460-311117-3	RXSB-7_0-2	61	95	47	57
460-311117-4	RXSB-7_4-6	102	116	100	101
460-311117-5	RXSB-4_0-2	143	149	89	111
460-311117-6	RXSB-4_4-6	118	114	97	102
460-311117-7	RXSB-6_0-2	144	139	99	117
460-311117-8	RXSB-6_4-6	92	87	75	72
460-311117-9	RXSB-1_0-2	88	123	65	96
460-311117-9 MS	RXSB-1_0-2	136	122	103	100
460-311117-9 MSD	RXSB-1_0-2	64	53	48	42
460-311117-10	RXSB-1_4-6	93	105	62	76
LCS 460-995504/2-A	Lab Control Sample	134	131	99	120
LCSD 460-995504/3-A	Lab Control Sample Dup	141	131	94	116
MB 460-995504/1-A	Method Blank	179 *	148	131	147

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Lab Sample ID: LB3 460-995324/1-A
Matrix: Solid
Analysis Batch: 995597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995324

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,4-Dioxane	0.10	U	0.10	0.0092	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg		09/11/24 19:28	09/13/24 11:19	1

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*71 - 128*	*09/11/24 19:28*	*09/13/24 11:19*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*09/11/24 19:28*	*09/13/24 11:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*09/11/24 19:28*	*09/13/24 11:19*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*	*09/11/24 19:28*	*09/13/24 11:19*	*1*

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 995597

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0014	U	0.0297	0.0248		mg/Kg	☼	83	78 - 120
1,1-Dichloroethane	0.0014	U	0.0297	0.0291		mg/Kg	☼	98	72 - 120
1,1-Dichloroethene	0.0014	U	0.0297	0.0256		mg/Kg	☼	86	76 - 120
1,2,4-Trimethylbenzene	0.0014	U	0.0297	0.0110	*	mg/Kg	☼	37	75 - 120

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

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 995597

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	0.0014	U	0.0297	0.0113	*	mg/Kg	☼	38	80 - 120
1,2-Dichloroethane	0.0014	U	0.0297	0.0232		mg/Kg	☼	78	70 - 123
1,3,5-Trimethylbenzene	0.0014	U	0.0297	0.0118	*	mg/Kg	☼	40	70 - 120
1,3-Dichlorobenzene	0.0014	U	0.0297	0.0102	*	mg/Kg	☼	34	80 - 120
1,4-Dichlorobenzene	0.0014	U	0.0297	0.0106	*	mg/Kg	☼	36	80 - 120
1,4-Dioxane	0.14	U	0.595	0.542		mg/Kg	☼	91	77 - 129
2-Butanone (MEK)	0.0069	U	0.149	0.0936	*	mg/Kg	☼	63	64 - 128
Acetone	0.0083	U	0.149	0.218	*	mg/Kg	☼	147	58 - 122
Benzene	0.0014	U	0.0297	0.0254		mg/Kg	☼	85	75 - 120
Carbon tetrachloride	0.0014	U	0.0297	0.0243		mg/Kg	☼	82	66 - 127
Chlorobenzene	0.0014	U	0.0297	0.0170	*	mg/Kg	☼	57	80 - 120
Chloroform	0.0014	U	0.0297	0.0269		mg/Kg	☼	90	79 - 126
cis-1,2-Dichloroethene	0.0014	U	0.0297	0.0258		mg/Kg	☼	87	80 - 123
Ethylbenzene	0.0014	U	0.0297	0.0171	*	mg/Kg	☼	58	80 - 120
Methyl tert-butyl ether	0.0014	U	0.0297	0.0264		mg/Kg	☼	89	74 - 125
Methylene Chloride	0.0028	U	0.0297	0.0273		mg/Kg	☼	92	78 - 120
m-Xylene & p-Xylene	0.0012	J	0.0297	0.0179	*	mg/Kg	☼	56	80 - 120
n-Butylbenzene	0.0014	U	0.0297	0.00852	*	mg/Kg	☼	29	72 - 120
N-Propylbenzene	0.0014	U	0.0297	0.0118	*	mg/Kg	☼	40	68 - 120
o-Xylene	0.00063	J	0.0297	0.0171	*	mg/Kg	☼	56	80 - 120
sec-Butylbenzene	0.0014	U	0.0297	0.00956	*	mg/Kg	☼	32	78 - 120
tert-Butylbenzene	0.0014	U *	0.0297	0.0102	*	mg/Kg	☼	34	80 - 120
Tetrachloroethene	0.0014	U	0.0297	0.0167	*	mg/Kg	☼	56	73 - 120
Toluene	0.0014	U	0.0297	0.0195	*	mg/Kg	☼	66	80 - 120
trans-1,2-Dichloroethene	0.0014	U	0.0297	0.0246		mg/Kg	☼	83	78 - 120
Trichloroethene	0.0014	U	0.0297	0.0200	*	mg/Kg	☼	67	80 - 120
Vinyl chloride	0.0014	U	0.0297	0.0274		mg/Kg	☼	92	54 - 122
Xylenes, Total	0.0019	J	0.0595	0.0351	*	mg/Kg	☼	56	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*
4-Bromofluorobenzene	*95*		*71 - 128*
Dibromofluoromethane (Surr)	*115*		*50 - 150*
Toluene-d8 (Surr)	*101*		*71 - 126*

Lab Sample ID: 460-311117-9 MSD
Matrix: Solid
Analysis Batch: 995597

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0014	U	0.0283	0.0245		mg/Kg	☼	87	78 - 120	1	30
1,1-Dichloroethane	0.0014	U	0.0283	0.0282		mg/Kg	☼	100	72 - 120	3	30
1,1-Dichloroethene	0.0014	U	0.0283	0.0244		mg/Kg	☼	86	76 - 120	5	30
1,2,4-Trimethylbenzene	0.0014	U	0.0283	0.0106	*	mg/Kg	☼	38	75 - 120	4	30
1,2-Dichlorobenzene	0.0014	U	0.0283	0.0111	*	mg/Kg	☼	39	80 - 120	2	30
1,2-Dichloroethane	0.0014	U	0.0283	0.0220		mg/Kg	☼	78	70 - 123	5	30
1,3,5-Trimethylbenzene	0.0014	U	0.0283	0.0112	*	mg/Kg	☼	40	70 - 120	6	30
1,3-Dichlorobenzene	0.0014	U	0.0283	0.0103	*	mg/Kg	☼	37	80 - 120	1	30

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

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

Lab Sample ID: 460-311117-9 MSD
Matrix: Solid
Analysis Batch: 995597

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0014	U	0.0283	0.0104	*	mg/Kg	☼	37	80 - 120	2	30
1,4-Dioxane	0.14	U	0.565	0.549		mg/Kg	☼	97	77 - 129	1	30
2-Butanone (MEK)	0.0069	U	0.141	0.0917		mg/Kg	☼	65	64 - 128	2	30
Acetone	0.0083	U	0.141	0.201	*	mg/Kg	☼	142	58 - 122	8	30
Benzene	0.0014	U	0.0283	0.0249		mg/Kg	☼	88	75 - 120	2	30
Carbon tetrachloride	0.0014	U	0.0283	0.0238		mg/Kg	☼	84	66 - 127	2	30
Chlorobenzene	0.0014	U	0.0283	0.0166	*	mg/Kg	☼	59	80 - 120	3	30
Chloroform	0.0014	U	0.0283	0.0258		mg/Kg	☼	91	79 - 126	4	30
cis-1,2-Dichloroethene	0.0014	U	0.0283	0.0244		mg/Kg	☼	86	80 - 123	6	30
Ethylbenzene	0.0014	U	0.0283	0.0165	*	mg/Kg	☼	58	80 - 120	4	30
Methyl tert-butyl ether	0.0014	U	0.0283	0.0252		mg/Kg	☼	89	74 - 125	5	30
Methylene Chloride	0.0028	U	0.0283	0.0263		mg/Kg	☼	93	78 - 120	4	30
m-Xylene & p-Xylene	0.0012	J	0.0283	0.0174	*	mg/Kg	☼	57	80 - 120	3	30
n-Butylbenzene	0.0014	U	0.0283	0.00822	*	mg/Kg	☼	29	72 - 120	4	30
N-Propylbenzene	0.0014	U	0.0283	0.0115	*	mg/Kg	☼	41	68 - 120	2	30
o-Xylene	0.00063	J	0.0283	0.0165	*	mg/Kg	☼	56	80 - 120	4	30
sec-Butylbenzene	0.0014	U	0.0283	0.00940	*	mg/Kg	☼	33	78 - 120	2	30
tert-Butylbenzene	0.0014	U *	0.0283	0.00996	*	mg/Kg	☼	35	80 - 120	3	30
Tetrachloroethene	0.0014	U	0.0283	0.0172	*	mg/Kg	☼	61	73 - 120	3	30
Toluene	0.0014	U	0.0283	0.0192	*	mg/Kg	☼	68	80 - 120	2	30
trans-1,2-Dichloroethene	0.0014	U	0.0283	0.0235		mg/Kg	☼	83	78 - 120	5	30
Trichloroethene	0.0014	U	0.0283	0.0194	*	mg/Kg	☼	69	80 - 120	3	30
Vinyl chloride	0.0014	U	0.0283	0.0257		mg/Kg	☼	91	54 - 122	7	30
Xylenes, Total	0.0019	J	0.0565	0.0339	*	mg/Kg	☼	57	80 - 120	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*118*		*50 - 150*
Toluene-d8 (Surr)	*105*		*71 - 126*

Lab Sample ID: MB 460-995597/7
Matrix: Solid
Analysis Batch: 995597

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			09/13/24 10:55	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			09/13/24 10:55	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			09/13/24 10:55	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			09/13/24 10:55	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			09/13/24 10:55	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			09/13/24 10:55	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			09/13/24 10:55	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			09/13/24 10:55	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			09/13/24 10:55	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			09/13/24 10:55	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			09/13/24 10:55	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			09/13/24 10:55	1

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

Lab Sample ID: MB 460-995597/7
Matrix: Solid
Analysis Batch: 995597

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			09/13/24 10:55	1
1,4-Dioxane	0.10	U	0.10	0.0092	mg/Kg			09/13/24 10:55	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			09/13/24 10:55	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			09/13/24 10:55	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			09/13/24 10:55	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			09/13/24 10:55	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			09/13/24 10:55	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			09/13/24 10:55	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			09/13/24 10:55	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			09/13/24 10:55	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			09/13/24 10:55	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			09/13/24 10:55	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			09/13/24 10:55	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			09/13/24 10:55	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			09/13/24 10:55	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			09/13/24 10:55	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			09/13/24 10:55	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			09/13/24 10:55	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			09/13/24 10:55	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			09/13/24 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*71 - 128*		*09/13/24 10:55*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*		*09/13/24 10:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*		*09/13/24 10:55*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*09/13/24 10:55*	*1*

Lab Sample ID: LCS 460-995597/3
Matrix: Solid
Analysis Batch: 995597

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0185		mg/Kg		92	78 - 120
Benzene	0.0200	0.0200		mg/Kg		100	75 - 120
Tetrachloroethene	0.0200	0.0184		mg/Kg		92	73 - 120
1,1-Dichloroethane	0.0200	0.0210		mg/Kg		105	72 - 120
1,2-Dichloroethane	0.0200	0.0178		mg/Kg		89	70 - 123
Acetone	0.100	0.0763		mg/Kg		76	58 - 122
Methylene Chloride	0.0200	0.0193		mg/Kg		97	78 - 120
Toluene	0.0200	0.0179		mg/Kg		90	80 - 120
o-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,3-Dichlorobenzene	0.0200	0.0174		mg/Kg		87	80 - 120
Methyl tert-butyl ether	0.0200	0.0190		mg/Kg		95	74 - 125
trans-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	78 - 120
1,4-Dioxane	0.400	0.371		mg/Kg		93	77 - 129
1,1-Dichloroethene	0.0200	0.0199		mg/Kg		99	76 - 120
1,2-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120

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

Lab Sample ID: LCS 460-995597/3
Matrix: Solid
Analysis Batch: 995597

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	0.0200	0.0185		mg/Kg		92	80 - 120
2-Butanone (MEK)	0.100	0.0769		mg/Kg		77	64 - 128
Ethylbenzene	0.0200	0.0183		mg/Kg		91	80 - 120
cis-1,2-Dichloroethene	0.0200	0.0202		mg/Kg		101	80 - 123
Chloroform	0.0200	0.0191		mg/Kg		96	79 - 126
m-Xylene & p-Xylene	0.0200	0.0179		mg/Kg		90	80 - 120
Vinyl chloride	0.0200	0.0180		mg/Kg		90	54 - 122
Carbon tetrachloride	0.0200	0.0200		mg/Kg		100	66 - 127
1,4-Dichlorobenzene	0.0200	0.0177		mg/Kg		89	80 - 120
n-Butylbenzene	0.0200	0.0177		mg/Kg		88	72 - 120
1,2,4-Trimethylbenzene	0.0200	0.0162		mg/Kg		81	75 - 120
sec-Butylbenzene	0.0200	0.0164		mg/Kg		82	78 - 120
N-Propylbenzene	0.0200	0.0172		mg/Kg		86	68 - 120
Xylenes, Total	0.0400	0.0361		mg/Kg		90	80 - 120
1,3,5-Trimethylbenzene	0.0200	0.0164		mg/Kg		82	70 - 120
tert-Butylbenzene	0.0200	0.0153	*	mg/Kg		77	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*71 - 128*
Dibromofluoromethane (Surr)	*112*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*
Toluene-d8 (Surr)	*104*		*71 - 126*

Lab Sample ID: LCSD 460-995597/4
Matrix: Solid
Analysis Batch: 995597

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0201		mg/Kg		100	78 - 120	8	30
Benzene	0.0200	0.0217		mg/Kg		109	75 - 120	8	30
Tetrachloroethene	0.0200	0.0196		mg/Kg		98	73 - 120	6	30
1,1-Dichloroethane	0.0200	0.0225		mg/Kg		112	72 - 120	7	30
1,2-Dichloroethane	0.0200	0.0185		mg/Kg		93	70 - 123	4	30
Acetone	0.100	0.0856		mg/Kg		86	58 - 122	11	30
Methylene Chloride	0.0200	0.0208		mg/Kg		104	78 - 120	8	30
Toluene	0.0200	0.0191		mg/Kg		96	80 - 120	6	30
o-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120	6	30
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	5	30
1,3-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120	6	30
Methyl tert-butyl ether	0.0200	0.0199		mg/Kg		100	74 - 125	5	30
trans-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		109	78 - 120	7	30
1,4-Dioxane	0.400	0.397		mg/Kg		99	77 - 129	7	30
1,1-Dichloroethene	0.0200	0.0207		mg/Kg		104	76 - 120	4	30
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 120	4	30
Trichloroethene	0.0200	0.0190		mg/Kg		95	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0838		mg/Kg		84	64 - 128	9	30
Ethylbenzene	0.0200	0.0192		mg/Kg		96	80 - 120	5	30
cis-1,2-Dichloroethene	0.0200	0.0218		mg/Kg		109	80 - 123	7	30

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

Lab Sample ID: LCSD 460-995597/4
Matrix: Solid
Analysis Batch: 995597

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform			0.0200	0.0209		mg/Kg		105	79 - 126	9	30
m-Xylene & p-Xylene			0.0200	0.0192		mg/Kg		96	80 - 120	7	30
Vinyl chloride			0.0200	0.0190		mg/Kg		95	54 - 122	6	30
Carbon tetrachloride			0.0200	0.0215		mg/Kg		107	66 - 127	7	30
1,4-Dichlorobenzene			0.0200	0.0186		mg/Kg		93	80 - 120	5	30
n-Butylbenzene			0.0200	0.0186		mg/Kg		93	72 - 120	5	30
1,2,4-Trimethylbenzene			0.0200	0.0176		mg/Kg		88	75 - 120	8	30
sec-Butylbenzene			0.0200	0.0178		mg/Kg		89	78 - 120	8	30
N-Propylbenzene			0.0200	0.0181		mg/Kg		91	68 - 120	5	30
Xylenes, Total			0.0400	0.0384		mg/Kg		96	80 - 120	6	30
1,3,5-Trimethylbenzene			0.0200	0.0179		mg/Kg		89	70 - 120	9	30
tert-Butylbenzene			0.0200	0.0167		mg/Kg		83	80 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*116*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*
Toluene-d8 (Surr)	*105*		*71 - 126*

Lab Sample ID: MB 460-995611/8
Matrix: Water
Analysis Batch: 995611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			09/13/24 08:17	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/13/24 08:17	1
Benzene	1.0	U	1.0	0.20	ug/L			09/13/24 08:17	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/13/24 08:17	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/13/24 08:17	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/13/24 08:17	1
Acetone	5.0	U	5.0	4.4	ug/L			09/13/24 08:17	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/13/24 08:17	1
Toluene	1.0	U	1.0	0.38	ug/L			09/13/24 08:17	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/13/24 08:17	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/13/24 08:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/13/24 08:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/13/24 08:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/13/24 08:17	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/13/24 08:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/13/24 08:17	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/13/24 08:17	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/13/24 08:17	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/13/24 08:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/13/24 08:17	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/13/24 08:17	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/13/24 08:17	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/13/24 08:17	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/13/24 08:17	1

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

Lab Sample ID: MB 460-995611/8
Matrix: Water
Analysis Batch: 995611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/13/24 08:17	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 08:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 08:17	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 08:17	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 08:17	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/13/24 08:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/13/24 08:17	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/13/24 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*76 - 120*		*09/13/24 08:17*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*09/13/24 08:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 128*		*09/13/24 08:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/13/24 08:17*	*1*

Lab Sample ID: LCS 460-995611/4
Matrix: Water
Analysis Batch: 995611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	20.0	19.0		ug/L		95	79 - 126
1,1,1-Trichloroethane	20.0	24.6		ug/L		123	72 - 128
Benzene	20.0	20.3		ug/L		101	71 - 126
Tetrachloroethene	20.0	22.3		ug/L		112	70 - 127
1,1-Dichloroethane	20.0	21.3		ug/L		107	73 - 130
1,2-Dichloroethane	20.0	20.3		ug/L		101	66 - 129
Acetone	100	99.2		ug/L		99	60 - 133
Methylene Chloride	20.0	20.6		ug/L		103	74 - 127
Toluene	20.0	18.9		ug/L		95	78 - 120
o-Xylene	20.0	21.8		ug/L		109	78 - 120
Chlorobenzene	20.0	21.8		ug/L		109	80 - 120
1,3-Dichlorobenzene	20.0	22.0		ug/L		110	80 - 120
Methyl tert-butyl ether	20.0	19.4		ug/L		97	72 - 131
trans-1,2-Dichloroethene	20.0	21.0		ug/L		105	70 - 126
1,1-Dichloroethene	20.0	20.8		ug/L		104	68 - 133
1,2-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 120
Trichloroethene	20.0	22.0		ug/L		110	73 - 121
2-Butanone (MEK)	100	106		ug/L		106	65 - 142
Ethylbenzene	20.0	21.5		ug/L		107	78 - 120
cis-1,2-Dichloroethene	20.0	21.1		ug/L		105	78 - 121
Chloroform	20.0	21.9		ug/L		109	78 - 125
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	78 - 120
Vinyl chloride	20.0	21.0		ug/L		105	55 - 144
Carbon tetrachloride	20.0	31.2	*	ug/L		156	65 - 131
1,4-Dichlorobenzene	20.0	21.9		ug/L		109	80 - 120
n-Butylbenzene	20.0	23.2		ug/L		116	69 - 135
1,2,4-Trimethylbenzene	20.0	22.3		ug/L		112	75 - 125
sec-Butylbenzene	20.0	22.8		ug/L		114	77 - 129

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

Lab Sample ID: LCS 460-995611/4
Matrix: Water
Analysis Batch: 995611

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
N-Propylbenzene			20.0	21.8		ug/L		109	68 - 129		
Xylenes, Total			40.0	43.8		ug/L		110	80 - 120		
1,3,5-Trimethylbenzene			20.0	22.2		ug/L		111	75 - 125		
tert-Butylbenzene			20.0	22.1		ug/L		110	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 132*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 460-995611/5
Matrix: Water
Analysis Batch: 995611

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide			20.0	19.3		ug/L		96	79 - 126	1	30
1,1,1-Trichloroethane			20.0	23.6		ug/L		118	72 - 128	4	30
Benzene			20.0	19.5		ug/L		98	71 - 126	4	30
Tetrachloroethene			20.0	21.3		ug/L		107	70 - 127	5	30
1,1-Dichloroethane			20.0	20.6		ug/L		103	73 - 130	3	30
1,2-Dichloroethane			20.0	19.2		ug/L		96	66 - 129	5	30
Acetone			100	91.3		ug/L		91	60 - 133	8	30
Methylene Chloride			20.0	18.9		ug/L		95	74 - 127	9	30
Toluene			20.0	18.4		ug/L		92	78 - 120	3	30
o-Xylene			20.0	20.5		ug/L		103	78 - 120	6	30
Chlorobenzene			20.0	20.8		ug/L		104	80 - 120	5	30
1,3-Dichlorobenzene			20.0	20.5		ug/L		102	80 - 120	7	30
Methyl tert-butyl ether			20.0	18.4		ug/L		92	72 - 131	5	30
trans-1,2-Dichloroethene			20.0	20.8		ug/L		104	70 - 126	1	30
1,1-Dichloroethene			20.0	19.8		ug/L		99	68 - 133	5	30
1,2-Dichlorobenzene			20.0	20.5		ug/L		102	80 - 120	7	30
Trichloroethene			20.0	20.7		ug/L		103	73 - 121	6	30
2-Butanone (MEK)			100	102		ug/L		102	65 - 142	4	30
Ethylbenzene			20.0	21.2		ug/L		106	78 - 120	1	30
cis-1,2-Dichloroethene			20.0	19.8		ug/L		99	78 - 121	6	30
Chloroform			20.0	21.1		ug/L		105	78 - 125	4	30
m-Xylene & p-Xylene			20.0	20.9		ug/L		104	78 - 120	5	30
Vinyl chloride			20.0	18.8		ug/L		94	55 - 144	11	30
Carbon tetrachloride			20.0	28.8	*	ug/L		144	65 - 131	8	30
1,4-Dichlorobenzene			20.0	20.8		ug/L		104	80 - 120	5	30
n-Butylbenzene			20.0	21.6		ug/L		108	69 - 135	7	30
1,2,4-Trimethylbenzene			20.0	20.8		ug/L		104	75 - 125	7	30
sec-Butylbenzene			20.0	20.9		ug/L		105	77 - 129	9	30
N-Propylbenzene			20.0	20.4		ug/L		102	68 - 129	6	30
Xylenes, Total			40.0	41.4		ug/L		103	80 - 120	6	30
1,3,5-Trimethylbenzene			20.0	20.7		ug/L		103	75 - 125	7	30
tert-Butylbenzene			20.0	20.2		ug/L		101	78 - 120	9	30

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

Lab Sample ID: LCSD 460-995611/5
Matrix: Water
Analysis Batch: 995611

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*104*		*77 - 132*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-995338/1-A
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Phenol	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		09/11/24 20:46	09/12/24 06:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
2-Fluorobiphenyl	*102*		*38 - 128*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
2-Fluorophenol (Surr)	*101*		*31 - 133*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
Nitrobenzene-d5 (Surr)	*107*		*31 - 120*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
Phenol-d5 (Surr)	*105*		*35 - 132*	*09/11/24 20:46*	*09/12/24 06:23*	*1*
Terphenyl-d14 (Surr)	*105*		*44 - 147*	*09/11/24 20:46*	*09/12/24 06:23*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-995338/2-A
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995338

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			3.33	2.82		mg/Kg		85	27 - 120		
2-Methylphenol			3.33	3.67		mg/Kg		110	63 - 120		
3 & 4 Methylphenol			3.33	3.61		mg/Kg		108	61 - 120		
Acenaphthene			3.33	3.65		mg/Kg		109	65 - 120		
Acenaphthylene			3.33	3.98		mg/Kg		119	64 - 120		
Anthracene			3.33	3.71		mg/Kg		111	67 - 120		
Benzo[a]anthracene			3.33	3.71		mg/Kg		111	66 - 120		
Benzo[a]pyrene			3.33	4.07		mg/Kg		122	73 - 123		
Benzo[b]fluoranthene			3.33	3.83		mg/Kg		115	70 - 125		
Benzo[g,h,i]perylene			3.33	4.11	*	mg/Kg		123	66 - 120		
Benzo[k]fluoranthene			3.33	4.21	*	mg/Kg		126	67 - 122		
Chrysene			3.33	3.80		mg/Kg		114	67 - 120		
Dibenz(a,h)anthracene			3.33	3.82		mg/Kg		115	66 - 128		
Dibenzofuran			3.33	3.52		mg/Kg		106	61 - 120		
Fluoranthene			3.33	3.74		mg/Kg		112	61 - 120		
Fluorene			3.33	3.67		mg/Kg		110	64 - 120		
Hexachlorobenzene			3.33	3.61		mg/Kg		108	66 - 120		
Indeno[1,2,3-cd]pyrene			3.33	3.58		mg/Kg		107	71 - 137		
Naphthalene			3.33	3.60		mg/Kg		108	63 - 120		
Pentachlorophenol			6.67	7.21		mg/Kg		108	61 - 126		
Phenanthrene			3.33	3.74		mg/Kg		112	66 - 120		
Phenol			3.33	3.65		mg/Kg		109	63 - 120		
Pyrene			3.33	3.90		mg/Kg		117	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*24 - 137*
2-Fluorobiphenyl	*104*		*38 - 128*
2-Fluorophenol (Surr)	*105*		*31 - 133*
Nitrobenzene-d5 (Surr)	*109*		*31 - 120*
Phenol-d5 (Surr)	*110*		*35 - 132*
Terphenyl-d14 (Surr)	*105*		*44 - 147*

Lab Sample ID: LCSD 460-995338/3-A
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995338

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			3.33	2.62		mg/Kg		79	27 - 120	7	30
2-Methylphenol			3.33	3.53		mg/Kg		106	63 - 120	4	30
3 & 4 Methylphenol			3.33	3.43		mg/Kg		103	61 - 120	5	30
Acenaphthene			3.33	3.50		mg/Kg		105	65 - 120	4	30
Acenaphthylene			3.33	3.85		mg/Kg		115	64 - 120	3	30
Anthracene			3.33	3.60		mg/Kg		108	67 - 120	3	30
Benzo[a]anthracene			3.33	3.61		mg/Kg		108	66 - 120	3	30
Benzo[a]pyrene			3.33	3.92		mg/Kg		118	73 - 123	4	30
Benzo[b]fluoranthene			3.33	4.03		mg/Kg		121	70 - 125	5	30
Benzo[g,h,i]perylene			3.33	3.95		mg/Kg		118	66 - 120	4	30
Benzo[k]fluoranthene			3.33	3.80		mg/Kg		114	67 - 122	10	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-995338/3-A
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995338

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene			3.33	3.52		mg/Kg		106	67 - 120	8	30
Dibenz(a,h)anthracene			3.33	3.76		mg/Kg		113	66 - 128	2	30
Dibenzofuran			3.33	3.40		mg/Kg		102	61 - 120	4	30
Fluoranthene			3.33	3.64		mg/Kg		109	61 - 120	3	30
Fluorene			3.33	3.48		mg/Kg		104	64 - 120	5	30
Hexachlorobenzene			3.33	3.47		mg/Kg		104	66 - 120	4	30
Indeno[1,2,3-cd]pyrene			3.33	3.44		mg/Kg		103	71 - 137	4	30
Naphthalene			3.33	3.45		mg/Kg		104	63 - 120	4	30
Pentachlorophenol			6.67	6.93		mg/Kg		104	61 - 126	4	30
Phenanthrene			3.33	3.57		mg/Kg		107	66 - 120	5	30
Phenol			3.33	3.50		mg/Kg		105	63 - 120	4	30
Pyrene			3.33	3.67		mg/Kg		110	61 - 121	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*24 - 137*
2-Fluorobiphenyl	*101*		*38 - 128*
2-Fluorophenol (Surr)	*101*		*31 - 133*
Nitrobenzene-d5 (Surr)	*105*		*31 - 120*
Phenol-d5 (Surr)	*107*		*35 - 132*
Terphenyl-d14 (Surr)	*102*		*44 - 147*

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.034	U	3.45	2.39		mg/Kg	☼	69	27 - 120
2-Methylphenol	0.34	U	3.45	3.58		mg/Kg	☼	104	63 - 120
3 & 4 Methylphenol	0.34	U	3.45	3.49		mg/Kg	☼	101	61 - 120
Acenaphthene	0.035	J	3.45	3.64		mg/Kg	☼	105	65 - 120
Acenaphthylene	0.074	J	3.45	4.04		mg/Kg	☼	115	64 - 120
Anthracene	0.15	J	3.45	3.86		mg/Kg	☼	107	67 - 120
Benzo[a]anthracene	0.45		3.45	4.42		mg/Kg	☼	115	66 - 120
Benzo[a]pyrene	0.72		3.45	4.14		mg/Kg	☼	99	73 - 123
Benzo[b]fluoranthene	0.76		3.45	4.80		mg/Kg	☼	117	70 - 125
Benzo[g,h,i]perylene	1.0	*	3.45	1.83	*	mg/Kg	☼	24	66 - 120
Benzo[k]fluoranthene	0.38	*	3.45	4.32		mg/Kg	☼	114	67 - 122
Chrysene	0.50		3.45	4.18		mg/Kg	☼	107	67 - 120
Dibenz(a,h)anthracene	0.24		3.45	1.68	*	mg/Kg	☼	42	66 - 128
Dibenzofuran	0.031	J	3.45	3.54		mg/Kg	☼	102	61 - 120
Fluoranthene	1.0		3.45	4.96		mg/Kg	☼	114	61 - 120
Fluorene	0.042	J	3.45	3.63		mg/Kg	☼	104	64 - 120
Hexachlorobenzene	0.034	U	3.45	3.52		mg/Kg	☼	102	66 - 120
Indeno[1,2,3-cd]pyrene	1.0		3.45	1.85	*	mg/Kg	☼	24	71 - 137
Naphthalene	0.024	J	3.45	3.48		mg/Kg	☼	100	63 - 120
Pentachlorophenol	0.28	U	6.90	7.34		mg/Kg	☼	106	61 - 126
Phenanthrene	0.63		3.45	4.32		mg/Kg	☼	107	66 - 120
Phenol	0.34	U	3.45	3.52		mg/Kg	☼	102	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	0.85		3.45	4.75		mg/Kg	☼	113	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*24 - 137*
2-Fluorobiphenyl	*101*		*38 - 128*
2-Fluorophenol (Surr)	*96*		*31 - 133*
Nitrobenzene-d5 (Surr)	*102*		*31 - 120*
Phenol-d5 (Surr)	*104*		*35 - 132*
Terphenyl-d14 (Surr)	*102*		*44 - 147*

Lab Sample ID: 460-311117-9 MSD
Matrix: Solid
Analysis Batch: 995383

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995338

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.034	U	3.45	2.20		mg/Kg	☼	64	27 - 120	8	30
2-Methylphenol	0.34	U	3.45	3.38		mg/Kg	☼	98	63 - 120	6	30
3 & 4 Methylphenol	0.34	U	3.45	3.32		mg/Kg	☼	96	61 - 120	5	30
Acenaphthene	0.035	J	3.45	3.43		mg/Kg	☼	99	65 - 120	6	30
Acenaphthylene	0.074	J	3.45	3.82		mg/Kg	☼	109	64 - 120	6	30
Anthracene	0.15	J	3.45	3.63		mg/Kg	☼	101	67 - 120	6	30
Benzo[a]anthracene	0.45		3.45	4.08		mg/Kg	☼	105	66 - 120	8	30
Benzo[a]pyrene	0.72		3.45	4.39		mg/Kg	☼	107	73 - 123	6	30
Benzo[b]fluoranthene	0.76		3.45	4.77		mg/Kg	☼	116	70 - 125	1	30
Benzo[g,h,i]perylene	1.0	*	3.45	2.73	*	mg/Kg	☼	50	66 - 120	40	30
Benzo[k]fluoranthene	0.38	*	3.45	4.37		mg/Kg	☼	116	67 - 122	1	30
Chrysene	0.50		3.45	3.84		mg/Kg	☼	97	67 - 120	8	30
Dibenz(a,h)anthracene	0.24		3.45	2.60	*	mg/Kg	☼	68	66 - 128	43	30
Dibenzofuran	0.031	J	3.45	3.34		mg/Kg	☼	96	61 - 120	6	30
Fluoranthene	1.0		3.45	4.54		mg/Kg	☼	102	61 - 120	9	30
Fluorene	0.042	J	3.45	3.44		mg/Kg	☼	99	64 - 120	5	30
Hexachlorobenzene	0.034	U	3.45	3.30		mg/Kg	☼	96	66 - 120	7	30
Indeno[1,2,3-cd]pyrene	1.0		3.45	2.61	*	mg/Kg	☼	46	71 - 137	34	30
Naphthalene	0.024	J	3.45	3.21		mg/Kg	☼	92	63 - 120	8	30
Pentachlorophenol	0.28	U	6.90	6.96		mg/Kg	☼	101	61 - 126	5	30
Phenanthrene	0.63		3.45	3.95		mg/Kg	☼	96	66 - 120	9	30
Phenol	0.34	U	3.45	3.37		mg/Kg	☼	98	63 - 120	5	30
Pyrene	0.85		3.45	4.32		mg/Kg	☼	101	61 - 121	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*
2-Fluorobiphenyl	*93*		*38 - 128*
2-Fluorophenol (Surr)	*89*		*31 - 133*
Nitrobenzene-d5 (Surr)	*92*		*31 - 120*
Phenol-d5 (Surr)	*97*		*35 - 132*
Terphenyl-d14 (Surr)	*93*		*44 - 147*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-995513/1-A
Matrix: Solid
Analysis Batch: 995588

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995513

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		09/12/24 17:07	09/13/24 03:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*134*		*17 - 150*	*09/12/24 17:07*	*09/13/24 03:59*	*1*
DCB Decachlorobiphenyl	*128*		*17 - 150*	*09/12/24 17:07*	*09/13/24 03:59*	*1*
Tetrachloro-m-xylene	*113*		*21 - 150*	*09/12/24 17:07*	*09/13/24 03:59*	*1*
Tetrachloro-m-xylene	*112*		*21 - 150*	*09/12/24 17:07*	*09/13/24 03:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 460-995513/2-A
Matrix: Solid
Analysis Batch: 995588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995513

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			0.133	0.132		mg/Kg		99	70 - 138		
4,4'-DDD			0.133	0.130		mg/Kg		97	70 - 138		
4,4'-DDE			0.133	0.143		mg/Kg		107	68 - 136		
4,4'-DDE			0.133	0.138		mg/Kg		103	68 - 136		
4,4'-DDT			0.133	0.113		mg/Kg		85	66 - 149		
4,4'-DDT			0.133	0.117		mg/Kg		88	66 - 149		
Aldrin			0.133	0.143		mg/Kg		107	69 - 136		
Aldrin			0.133	0.133		mg/Kg		100	69 - 136		
alpha-BHC			0.133	0.146		mg/Kg		110	72 - 134		
alpha-BHC			0.133	0.136		mg/Kg		102	72 - 134		
beta-BHC			0.133	0.135		mg/Kg		101	71 - 130		
beta-BHC			0.133	0.127		mg/Kg		95	71 - 130		
cis-Chlordane			0.133	0.143		mg/Kg		108	69 - 135		
cis-Chlordane			0.133	0.133		mg/Kg		100	69 - 135		
delta-BHC			0.133	0.137		mg/Kg		103	69 - 140		
delta-BHC			0.133	0.129		mg/Kg		97	69 - 140		
Dieldrin			0.133	0.141		mg/Kg		106	69 - 134		
Dieldrin			0.133	0.132		mg/Kg		99	69 - 134		
Endosulfan I			0.133	0.143		mg/Kg		107	69 - 133		
Endosulfan I			0.133	0.138		mg/Kg		104	69 - 133		
Endosulfan II			0.133	0.151		mg/Kg		113	71 - 137		
Endosulfan II			0.133	0.138		mg/Kg		103	71 - 137		
Endosulfan sulfate			0.133	0.137		mg/Kg		103	61 - 140		
Endosulfan sulfate			0.133	0.124		mg/Kg		93	61 - 140		
Endrin			0.133	0.134		mg/Kg		100	67 - 141		
Endrin			0.133	0.150		mg/Kg		112	67 - 141		
Endrin aldehyde			0.133	0.134		mg/Kg		100	71 - 136		
Endrin aldehyde			0.133	0.119		mg/Kg		89	71 - 136		
Endrin ketone			0.133	0.133		mg/Kg		100	60 - 146		
Endrin ketone			0.133	0.121		mg/Kg		90	60 - 146		
gamma-BHC (Lindane)			0.133	0.142		mg/Kg		106	72 - 139		
gamma-BHC (Lindane)			0.133	0.136		mg/Kg		102	72 - 139		
Heptachlor			0.133	0.145		mg/Kg		109	74 - 138		
Heptachlor			0.133	0.134		mg/Kg		101	74 - 138		
Heptachlor epoxide			0.133	0.143		mg/Kg		107	72 - 134		
Heptachlor epoxide			0.133	0.133		mg/Kg		100	72 - 134		
Methoxychlor			0.133	0.0979		mg/Kg		73	60 - 150		
Methoxychlor			0.133	0.112		mg/Kg		84	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*17 - 150*
DCB Decachlorobiphenyl	*97*		*17 - 150*
Tetrachloro-m-xylene	*83*		*21 - 150*
Tetrachloro-m-xylene	*86*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-995513/3-A
Matrix: Solid
Analysis Batch: 995588

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995513

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.137		mg/Kg		103	70 - 138	4	30
4,4'-DDD			0.133	0.133		mg/Kg		99	70 - 138	2	30
4,4'-DDE			0.133	0.149		mg/Kg		112	68 - 136	4	30
4,4'-DDE			0.133	0.140		mg/Kg		105	68 - 136	1	30
4,4'-DDT			0.133	0.119		mg/Kg		89	66 - 149	4	30
4,4'-DDT			0.133	0.119		mg/Kg		89	66 - 149	2	30
Aldrin			0.133	0.148		mg/Kg		111	69 - 136	3	30
Aldrin			0.133	0.136		mg/Kg		102	69 - 136	2	30
alpha-BHC			0.133	0.152		mg/Kg		114	72 - 134	4	30
alpha-BHC			0.133	0.139		mg/Kg		104	72 - 134	2	30
beta-BHC			0.133	0.141		mg/Kg		106	71 - 130	4	30
beta-BHC			0.133	0.130		mg/Kg		97	71 - 130	2	30
cis-Chlordane			0.133	0.150		mg/Kg		113	69 - 135	5	30
cis-Chlordane			0.133	0.136		mg/Kg		102	69 - 135	2	30
delta-BHC			0.133	0.141		mg/Kg		106	69 - 140	3	30
delta-BHC			0.133	0.132		mg/Kg		99	69 - 140	2	30
Dieldrin			0.133	0.147		mg/Kg		110	69 - 134	4	30
Dieldrin			0.133	0.135		mg/Kg		101	69 - 134	2	30
Endosulfan I			0.133	0.150		mg/Kg		112	69 - 133	5	30
Endosulfan I			0.133	0.142		mg/Kg		106	69 - 133	2	30
Endosulfan II			0.133	0.158		mg/Kg		119	71 - 137	5	30
Endosulfan II			0.133	0.140		mg/Kg		105	71 - 137	2	30
Endosulfan sulfate			0.133	0.144		mg/Kg		108	61 - 140	5	30
Endosulfan sulfate			0.133	0.127		mg/Kg		95	61 - 140	2	30
Endrin			0.133	0.141		mg/Kg		105	67 - 141	5	30
Endrin			0.133	0.153		mg/Kg		115	67 - 141	2	30
Endrin aldehyde			0.133	0.140		mg/Kg		105	71 - 136	5	30
Endrin aldehyde			0.133	0.122		mg/Kg		91	71 - 136	2	30
Endrin ketone			0.133	0.139		mg/Kg		104	60 - 146	4	30
Endrin ketone			0.133	0.123		mg/Kg		92	60 - 146	2	30
gamma-BHC (Lindane)			0.133	0.147		mg/Kg		110	72 - 139	4	30
gamma-BHC (Lindane)			0.133	0.139		mg/Kg		104	72 - 139	2	30
Heptachlor			0.133	0.150		mg/Kg		113	74 - 138	4	30
Heptachlor			0.133	0.137		mg/Kg		103	74 - 138	2	30
Heptachlor epoxide			0.133	0.149		mg/Kg		112	72 - 134	4	30
Heptachlor epoxide			0.133	0.136		mg/Kg		102	72 - 134	2	30
Methoxychlor			0.133	0.101		mg/Kg		76	60 - 150	3	30
Methoxychlor			0.133	0.111		mg/Kg		83	60 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*106*		*17 - 150*
DCB Decachlorobiphenyl	*99*		*17 - 150*
Tetrachloro-m-xylene	*86*		*21 - 150*
Tetrachloro-m-xylene	*89*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 995588

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995513

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0069	U	0.138	0.136		mg/Kg	☼	98	70 - 138
4,4'-DDD	0.0069	U	0.138	0.132		mg/Kg	☼	96	70 - 138
4,4'-DDE	0.0051	J	0.138	0.143		mg/Kg	☼	100	68 - 136
4,4'-DDE	0.0051	J	0.138	0.135		mg/Kg	☼	94	68 - 136
4,4'-DDT	0.0072		0.138	0.120		mg/Kg	☼	82	66 - 149
4,4'-DDT	0.0072		0.138	0.127		mg/Kg	☼	87	66 - 149
Aldrin	0.0069	U	0.138	0.140		mg/Kg	☼	101	69 - 136
Aldrin	0.0069	U	0.138	0.131		mg/Kg	☼	95	69 - 136
alpha-BHC	0.0021	U	0.138	0.145		mg/Kg	☼	105	72 - 134
alpha-BHC	0.0021	U	0.138	0.136		mg/Kg	☼	99	72 - 134
beta-BHC	0.0021	U	0.138	0.135		mg/Kg	☼	98	71 - 130
beta-BHC	0.0021	U	0.138	0.124		mg/Kg	☼	90	71 - 130
delta-BHC	0.0021	U	0.138	0.140		mg/Kg	☼	101	69 - 140
delta-BHC	0.0021	U	0.138	0.131		mg/Kg	☼	95	69 - 140
Dieldrin	0.0021	U	0.138	0.139		mg/Kg	☼	101	69 - 134
Dieldrin	0.0021	U	0.138	0.130		mg/Kg	☼	94	69 - 134
Endosulfan I	0.0069	U	0.138	0.141		mg/Kg	☼	102	69 - 133
Endosulfan I	0.0069	U	0.138	0.136		mg/Kg	☼	99	69 - 133
Endosulfan II	0.0069	U	0.138	0.148		mg/Kg	☼	108	71 - 137
Endosulfan II	0.0069	U	0.138	0.137		mg/Kg	☼	99	71 - 137
Endosulfan sulfate	0.0069	U	0.138	0.140		mg/Kg	☼	101	61 - 140
Endosulfan sulfate	0.0069	U	0.138	0.123		mg/Kg	☼	89	61 - 140
Endrin	0.0069	U	0.138	0.132		mg/Kg	☼	95	67 - 141
Endrin	0.0069	U	0.138	0.149		mg/Kg	☼	108	67 - 141
Endrin aldehyde	0.0069	U	0.138	0.148		mg/Kg	☼	107	71 - 136
Endrin aldehyde	0.0069	U	0.138	0.132		mg/Kg	☼	95	71 - 136
Endrin ketone	0.0069	U	0.138	0.144		mg/Kg	☼	105	60 - 146
Endrin ketone	0.0069	U	0.138	0.127		mg/Kg	☼	92	60 - 146
gamma-BHC (Lindane)	0.0021	U	0.138	0.142		mg/Kg	☼	103	72 - 139
gamma-BHC (Lindane)	0.0021	U	0.138	0.135		mg/Kg	☼	98	72 - 139
Heptachlor	0.0069	U	0.138	0.141		mg/Kg	☼	102	74 - 138
Heptachlor	0.0069	U	0.138	0.135		mg/Kg	☼	98	74 - 138
Heptachlor epoxide	0.0069	U	0.138	0.142		mg/Kg	☼	103	72 - 134
Heptachlor epoxide	0.0069	U	0.138	0.132		mg/Kg	☼	96	72 - 134
Methoxychlor	0.0069	U	0.138	0.103		mg/Kg	☼	75	60 - 150
Methoxychlor	0.0069	U	0.138	0.118		mg/Kg	☼	86	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*17 - 150*
DCB Decachlorobiphenyl	*88*		*17 - 150*
Tetrachloro-m-xylene	*72*		*21 - 150*
Tetrachloro-m-xylene	*74*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-311117-9 MSD
Matrix: Solid
Analysis Batch: 995588

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995513

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0069	U	0.137	0.136		mg/Kg	☼	99	70 - 138	0	30
4,4'-DDD	0.0069	U	0.137	0.132		mg/Kg	☼	96	70 - 138	0	30
4,4'-DDE	0.0051	J	0.137	0.143		mg/Kg	☼	100	68 - 136	0	30
4,4'-DDE	0.0051	J	0.137	0.136		mg/Kg	☼	95	68 - 136	1	30
4,4'-DDT	0.0072		0.137	0.121		mg/Kg	☼	83	66 - 149	1	30
4,4'-DDT	0.0072		0.137	0.127		mg/Kg	☼	87	66 - 149	0	30
Aldrin	0.0069	U	0.137	0.140		mg/Kg	☼	102	69 - 136	0	30
Aldrin	0.0069	U	0.137	0.132		mg/Kg	☼	96	69 - 136	0	30
alpha-BHC	0.0021	U	0.137	0.145		mg/Kg	☼	106	72 - 134	0	30
alpha-BHC	0.0021	U	0.137	0.137		mg/Kg	☼	99	72 - 134	0	30
beta-BHC	0.0021	U	0.137	0.136		mg/Kg	☼	99	71 - 130	0	30
beta-BHC	0.0021	U	0.137	0.126		mg/Kg	☼	91	71 - 130	1	30
delta-BHC	0.0021	U	0.137	0.140		mg/Kg	☼	102	69 - 140	0	30
delta-BHC	0.0021	U	0.137	0.131		mg/Kg	☼	96	69 - 140	0	30
Dieldrin	0.0021	U	0.137	0.139		mg/Kg	☼	101	69 - 134	0	30
Dieldrin	0.0021	U	0.137	0.130		mg/Kg	☼	95	69 - 134	0	30
Endosulfan I	0.0069	U	0.137	0.141		mg/Kg	☼	102	69 - 133	0	30
Endosulfan I	0.0069	U	0.137	0.136		mg/Kg	☼	99	69 - 133	0	30
Endosulfan II	0.0069	U	0.137	0.149		mg/Kg	☼	108	71 - 137	0	30
Endosulfan II	0.0069	U	0.137	0.137		mg/Kg	☼	100	71 - 137	0	30
Endosulfan sulfate	0.0069	U	0.137	0.140		mg/Kg	☼	102	61 - 140	0	30
Endosulfan sulfate	0.0069	U	0.137	0.124		mg/Kg	☼	90	61 - 140	1	30
Endrin	0.0069	U	0.137	0.133		mg/Kg	☼	96	67 - 141	1	30
Endrin	0.0069	U	0.137	0.149		mg/Kg	☼	108	67 - 141	0	30
Endrin aldehyde	0.0069	U	0.137	0.149		mg/Kg	☼	108	71 - 136	1	30
Endrin aldehyde	0.0069	U	0.137	0.132		mg/Kg	☼	96	71 - 136	0	30
Endrin ketone	0.0069	U	0.137	0.145		mg/Kg	☼	105	60 - 146	0	30
Endrin ketone	0.0069	U	0.137	0.127		mg/Kg	☼	93	60 - 146	0	30
gamma-BHC (Lindane)	0.0021	U	0.137	0.141		mg/Kg	☼	103	72 - 139	0	30
gamma-BHC (Lindane)	0.0021	U	0.137	0.135		mg/Kg	☼	98	72 - 139	0	30
Heptachlor	0.0069	U	0.137	0.142		mg/Kg	☼	103	74 - 138	0	30
Heptachlor	0.0069	U	0.137	0.135		mg/Kg	☼	98	74 - 138	0	30
Heptachlor epoxide	0.0069	U	0.137	0.141		mg/Kg	☼	103	72 - 134	0	30
Heptachlor epoxide	0.0069	U	0.137	0.132		mg/Kg	☼	96	72 - 134	0	30
Methoxychlor	0.0069	U	0.137	0.102		mg/Kg	☼	74	60 - 150	1	30
Methoxychlor	0.0069	U	0.137	0.118		mg/Kg	☼	86	60 - 150	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*17 - 150*
DCB Decachlorobiphenyl	*84*		*17 - 150*
Tetrachloro-m-xylene	*68*		*21 - 150*
Tetrachloro-m-xylene	*71*		*21 - 150*

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-995504/1-A
Matrix: Solid
Analysis Batch: 995697

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*148*		*20 - 150*	*09/12/24 16:57*	*09/13/24 13:41*	*1*
DCB Decachlorobiphenyl	*179*	*	*20 - 150*	*09/12/24 16:57*	*09/13/24 13:41*	*1*
Tetrachloro-m-xylene	*147*		*20 - 150*	*09/12/24 16:57*	*09/13/24 13:41*	*1*
Tetrachloro-m-xylene	*131*		*20 - 150*	*09/12/24 16:57*	*09/13/24 13:41*	*1*

Lab Sample ID: LCS 460-995504/2-A
Matrix: Solid
Analysis Batch: 995697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.400		mg/Kg		120	54 - 136
Aroclor 1016	0.333	0.403		mg/Kg		121	54 - 136
Aroclor 1260	0.333	0.385		mg/Kg		115	53 - 145
Aroclor 1260	0.333	0.383		mg/Kg		115	53 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*131*		*20 - 150*
DCB Decachlorobiphenyl	*134*		*20 - 150*
Tetrachloro-m-xylene	*120*		*20 - 150*
Tetrachloro-m-xylene	*99*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-995504/3-A
Matrix: Solid
Analysis Batch: 995697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.334		mg/Kg		100	54 - 136	18	30
Aroclor 1016			0.333	0.316		mg/Kg		95	54 - 136	24	30
Aroclor 1260			0.333	0.312		mg/Kg		94	53 - 145	21	30
Aroclor 1260			0.333	0.345		mg/Kg		104	53 - 145	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*131*		*20 - 150*
DCB Decachlorobiphenyl	*141*		*20 - 150*
Tetrachloro-m-xylene	*116*		*20 - 150*
Tetrachloro-m-xylene	*94*		*20 - 150*

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 995697

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016	0.069	U	0.345	0.401		mg/Kg	☼	116	54 - 136		
Aroclor 1016	0.069	U	0.345	0.390		mg/Kg	☼	113	54 - 136		
Aroclor 1260	0.069	U	0.345	0.386		mg/Kg	☼	112	53 - 145		
Aroclor 1260	0.069	U	0.345	0.408		mg/Kg	☼	118	53 - 145		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*122*		*20 - 150*
DCB Decachlorobiphenyl	*136*		*20 - 150*
Tetrachloro-m-xylene	*100*		*20 - 150*
Tetrachloro-m-xylene	*103*		*20 - 150*

Lab Sample ID: 460-311117-9 MSD
Matrix: Solid
Analysis Batch: 995697

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995504

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.069	U	0.346	0.360		mg/Kg	☼	104	54 - 136	11	30
Aroclor 1016	0.069	U	0.346	0.333		mg/Kg	☼	96	54 - 136	16	30
Aroclor 1260	0.069	U	0.346	0.336		mg/Kg	☼	97	53 - 145	14	30
Aroclor 1260	0.069	U	0.346	0.353		mg/Kg	☼	102	53 - 145	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*53*		*20 - 150*
DCB Decachlorobiphenyl	*64*		*20 - 150*
Tetrachloro-m-xylene	*42*		*20 - 150*
Tetrachloro-m-xylene	*48*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-995635/1-A
Matrix: Solid
Analysis Batch: 995722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.0	U	1.0	0.11	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Barium	2.0	U	2.0	0.15	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Nickel	2.0	U	2.0	0.47	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Silver	0.40	U	0.40	0.089	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Copper	2.0	U	2.0	0.37	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Lead	0.60	U	0.60	0.20	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Zinc	8.0	U	8.0	3.1	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Selenium	1.3	U	1.3	0.13	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Manganese	4.0	U	4.0	0.40	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Chromium	2.0	U	2.0	0.91	mg/Kg		09/13/24 07:41	09/13/24 15:31	1

Lab Sample ID: LCSSRM 460-995635/2-A ^3
Matrix: Solid
Analysis Batch: 995722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995635

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	84.3	87.20		mg/Kg		103.4	82.2 - 117.8
Beryllium	160	160.1		mg/Kg		100.1	82.5 - 117.5
Barium	295	341.4		mg/Kg		115.7	81.7 - 118.3
Nickel	298	297.6		mg/Kg		99.9	82.2 - 117.8
Silver	76.7	76.30		mg/Kg		99.5	79.5 - 120.5
Arsenic	242	249.0		mg/Kg		102.9	81.8 - 118.6
Copper	195	196.0		mg/Kg		100.5	83.1 - 116.9
Lead	194	206.2		mg/Kg		106.3	82.0 - 118.6
Zinc	236	232.7		mg/Kg		98.6	80.1 - 120.3
Selenium	272	271.1		mg/Kg		99.7	80.1 - 119.5
Chromium	213	214.6		mg/Kg		100.8	81.2 - 119.2

Lab Sample ID: LCSSRM 460-995635/2-A ^3
Matrix: Solid
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995635

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	264	238.4		mg/Kg		90.3	80.7 - 118.9

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 995722

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995635

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.3		10.4	14.78		mg/Kg	☼	91	75 - 125
Barium	325		10.4	327.3	4	mg/Kg	☼	26	75 - 125
Beryllium	0.18	J	5.19	4.72		mg/Kg	☼	88	75 - 125
Cadmium	0.69	J	5.19	5.43		mg/Kg	☼	91	75 - 125
Chromium	12.7		10.4	21.56		mg/Kg	☼	85	75 - 125
Copper	22.2		10.4	31.45		mg/Kg	☼	89	75 - 125
Lead	441		5.19	440.7	4	mg/Kg	☼	-12	75 - 125
Manganese	99.2		51.9	145.7		mg/Kg	☼	90	75 - 125
Nickel	11.2		10.4	21.84		mg/Kg	☼	102	75 - 125
Selenium	0.24	J	10.4	9.44		mg/Kg	☼	89	75 - 125
Silver	0.17	J	5.19	4.87		mg/Kg	☼	91	75 - 125
Zinc	342		51.9	387.6	4	mg/Kg	☼	88	75 - 125

Lab Sample ID: 460-311117-9 MSD
Matrix: Solid
Analysis Batch: 995722

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995635

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	5.3		10.4	14.25		mg/Kg	☼	86	75 - 125	4	20
Barium	325		10.4	371.6	4	mg/Kg	☼	453	75 - 125	13	20
Beryllium	0.18	J	5.19	4.77		mg/Kg	☼	89	75 - 125	1	20
Cadmium	0.69	J	5.19	5.39		mg/Kg	☼	91	75 - 125	1	20
Chromium	12.7		10.4	21.44		mg/Kg	☼	84	75 - 125	1	20
Copper	22.2		10.4	32.86		mg/Kg	☼	103	75 - 125	4	20
Lead	441		5.19	593.3	4 N	mg/Kg	☼	2928	75 - 125	30	20
Manganese	99.2		51.9	145.2		mg/Kg	☼	89	75 - 125	0	20
Nickel	11.2		10.4	20.33		mg/Kg	☼	88	75 - 125	7	20
Selenium	0.24	J	10.4	8.95		mg/Kg	☼	84	75 - 125	5	20
Silver	0.17	J	5.19	4.73		mg/Kg	☼	88	75 - 125	3	20
Zinc	342		51.9	433.3	4	mg/Kg	☼	176	75 - 125	11	20

Lab Sample ID: 460-311117-9 DU
Matrix: Solid
Analysis Batch: 995722

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995635

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.69	J	0.695	J	mg/Kg	☼	0.1	20
Beryllium	0.18	J	0.215	J	mg/Kg	☼	19	20
Barium	325		418.8	*	mg/Kg	☼	25	20
Nickel	11.2		10.77		mg/Kg	☼	4	20
Silver	0.17	J	0.189	J	mg/Kg	☼	14	20
Arsenic	5.3		5.98		mg/Kg	☼	12	20
Copper	22.2		22.03		mg/Kg	☼	0.6	20
Lead	441		827.2	*	mg/Kg	☼	61	20
Zinc	342		365.9		mg/Kg	☼	7	20
Selenium	0.24	J	0.224	J	mg/Kg	☼	7	20
Manganese	99.2		169.7	*	mg/Kg	☼	52	20
Chromium	12.7		11.93		mg/Kg	☼	7	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-996005/10-A
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		09/16/24 00:42	09/16/24 04:09	1

Lab Sample ID: LCSSRM 460-996005/11-A ^40
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996005

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	24.50		mg/Kg		107.5	70.6 - 129.4

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 996005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.43		0.0837	0.510	4	mg/Kg	☼	96	80 - 120

Lab Sample ID: 460-311117-9 MSD
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 996005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.43		0.0837	0.523	4	mg/Kg	☼	111	80 - 120	2	20

Lab Sample ID: 460-311117-9 DU
Matrix: Solid
Analysis Batch: 996065

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 996005

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.43		0.445		mg/Kg	☼	3	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-996553/1-A
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.0	U	2.0	0.85	mg/Kg		09/18/24 09:46	09/18/24 11:40	1

Lab Sample ID: LCSI 460-996553/3-A
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996553

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	708	694.0		mg/Kg		98	80 - 120

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSSRM 460-996553/2-A
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996553

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	14.9	13.60		mg/Kg		91.0	84.2 - 114.5

Lab Sample ID: 460-311117-9 MSI
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 996553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.97	J	734	739.3		mg/Kg	☼	101	75 - 125

Lab Sample ID: 460-311117-9 MSS
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 996553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.97	J	41.5	32.56		mg/Kg	☼	76	75 - 125

Lab Sample ID: 460-311117-9 DU
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 996553

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.97	J	2.1	U	mg/Kg	☼	NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-995975/1-A
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		09/14/24 21:29	09/15/24 17:41	1

Lab Sample ID: LCSSRM 460-995975/2-A ^20
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995975

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	183	74.40		mg/Kg		40.7	21.9 - 121.9

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.51		4.98	5.23		mg/Kg	☼	95	29 - 100

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-311117-9 MSD
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.51		4.61	4.54		mg/Kg	☼	88	29 - 100	14	40

Lab Sample ID: MRL 460-995993/11-A
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995993

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.0100	0.00738	J	mg/L		74	50 - 150		

Method: Moisture - Percent Moisture

Lab Sample ID: 460-308882-A-12 DU
Matrix: Solid
Analysis Batch: 995288

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	40.6			38.7		%				5	20
Percent Solids	59.4			61.3		%				3	20

Lab Sample ID: 460-311282-B-2 DU
Matrix: Solid
Analysis Batch: 995936

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.0			4.9		%				3	20
Percent Solids	95.0			95.1		%				0.1	20

GC/MS VOA

Prep Batch: 995324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	5035	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	5035	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	5035	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	5035	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	5035	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	5035	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	5035	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	5035	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	5035	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	5035	
LB3 460-995324/1-A	Method Blank	Total/NA	Solid	5035	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	5035	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	5035	

Analysis Batch: 995597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	8260D	995324
460-311117-2	RXSB-2_4-6	Total/NA	Solid	8260D	995324
460-311117-3	RXSB-7_0-2	Total/NA	Solid	8260D	995324
460-311117-4	RXSB-7_4-6	Total/NA	Solid	8260D	995324
460-311117-5	RXSB-4_0-2	Total/NA	Solid	8260D	995324
460-311117-6	RXSB-4_4-6	Total/NA	Solid	8260D	995324
460-311117-7	RXSB-6_0-2	Total/NA	Solid	8260D	995324
460-311117-8	RXSB-6_4-6	Total/NA	Solid	8260D	995324
460-311117-9	RXSB-1_0-2	Total/NA	Solid	8260D	995324
460-311117-10	RXSB-1_4-6	Total/NA	Solid	8260D	995324
LB3 460-995324/1-A	Method Blank	Total/NA	Solid	8260D	995324
MB 460-995597/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-995597/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-995597/4	Lab Control Sample Dup	Total/NA	Solid	8260D	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	8260D	995324
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	8260D	995324

Analysis Batch: 995611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-11	TB_09102024	Total/NA	Water	8260D	
MB 460-995611/8	Method Blank	Total/NA	Water	8260D	
LCS 460-995611/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-995611/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 995338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3546	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3546	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3546	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3546	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3546	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3546	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 995338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3546	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3546	
MB 460-995338/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995338/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995338/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	3546	

Analysis Batch: 995383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	8270E	995338
460-311117-2	RXSB-2_4-6	Total/NA	Solid	8270E	995338
460-311117-3	RXSB-7_0-2	Total/NA	Solid	8270E	995338
460-311117-4	RXSB-7_4-6	Total/NA	Solid	8270E	995338
460-311117-5	RXSB-4_0-2	Total/NA	Solid	8270E	995338
460-311117-6	RXSB-4_4-6	Total/NA	Solid	8270E	995338
460-311117-7	RXSB-6_0-2	Total/NA	Solid	8270E	995338
460-311117-8	RXSB-6_4-6	Total/NA	Solid	8270E	995338
460-311117-9	RXSB-1_0-2	Total/NA	Solid	8270E	995338
460-311117-10	RXSB-1_4-6	Total/NA	Solid	8270E	995338
MB 460-995338/1-A	Method Blank	Total/NA	Solid	8270E	995338
LCS 460-995338/2-A	Lab Control Sample	Total/NA	Solid	8270E	995338
LCSD 460-995338/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	995338
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	8270E	995338
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	8270E	995338

GC Semi VOA

Prep Batch: 995504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3546	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3546	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3546	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3546	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3546	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3546	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3546	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3546	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3546	
MB 460-995504/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995504/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995504/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	3546	

Prep Batch: 995513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3546	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 995513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3546	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3546	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3546	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3546	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3546	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3546	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3546	
MB 460-995513/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995513/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995513/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	3546	

Analysis Batch: 995588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	8081B	995513
460-311117-2	RXSB-2_4-6	Total/NA	Solid	8081B	995513
460-311117-3	RXSB-7_0-2	Total/NA	Solid	8081B	995513
460-311117-4	RXSB-7_4-6	Total/NA	Solid	8081B	995513
460-311117-5	RXSB-4_0-2	Total/NA	Solid	8081B	995513
460-311117-6	RXSB-4_4-6	Total/NA	Solid	8081B	995513
460-311117-7	RXSB-6_0-2	Total/NA	Solid	8081B	995513
460-311117-8	RXSB-6_4-6	Total/NA	Solid	8081B	995513
460-311117-9	RXSB-1_0-2	Total/NA	Solid	8081B	995513
460-311117-10	RXSB-1_4-6	Total/NA	Solid	8081B	995513
MB 460-995513/1-A	Method Blank	Total/NA	Solid	8081B	995513
LCS 460-995513/2-A	Lab Control Sample	Total/NA	Solid	8081B	995513
LCSD 460-995513/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	995513
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	8081B	995513
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	8081B	995513

Analysis Batch: 995697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-2	RXSB-2_4-6	Total/NA	Solid	8082A	995504
460-311117-3	RXSB-7_0-2	Total/NA	Solid	8082A	995504
460-311117-4	RXSB-7_4-6	Total/NA	Solid	8082A	995504
460-311117-5	RXSB-4_0-2	Total/NA	Solid	8082A	995504
460-311117-6	RXSB-4_4-6	Total/NA	Solid	8082A	995504
460-311117-7	RXSB-6_0-2	Total/NA	Solid	8082A	995504
460-311117-8	RXSB-6_4-6	Total/NA	Solid	8082A	995504
460-311117-9	RXSB-1_0-2	Total/NA	Solid	8082A	995504
460-311117-10	RXSB-1_4-6	Total/NA	Solid	8082A	995504
MB 460-995504/1-A	Method Blank	Total/NA	Solid	8082A	995504
LCS 460-995504/2-A	Lab Control Sample	Total/NA	Solid	8082A	995504
LCSD 460-995504/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	995504
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	8082A	995504
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	8082A	995504

GC Semi VOA

Analysis Batch: 996040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	8082A	995504

Metals

Prep Batch: 995635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3050B	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3050B	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3050B	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3050B	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3050B	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3050B	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3050B	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3050B	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3050B	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3050B	
MB 460-995635/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-995635/2-A ^3	Lab Control Sample	Total/NA	Solid	3050B	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	3050B	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	3050B	
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	3050B	

Analysis Batch: 995722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	6020B	995635
460-311117-1	RXSB-2_0-2	Total/NA	Solid	6020B	995635
460-311117-2	RXSB-2_4-6	Total/NA	Solid	6020B	995635
460-311117-3	RXSB-7_0-2	Total/NA	Solid	6020B	995635
460-311117-3	RXSB-7_0-2	Total/NA	Solid	6020B	995635
460-311117-4	RXSB-7_4-6	Total/NA	Solid	6020B	995635
460-311117-5	RXSB-4_0-2	Total/NA	Solid	6020B	995635
460-311117-6	RXSB-4_4-6	Total/NA	Solid	6020B	995635
460-311117-7	RXSB-6_0-2	Total/NA	Solid	6020B	995635
460-311117-8	RXSB-6_4-6	Total/NA	Solid	6020B	995635
460-311117-9	RXSB-1_0-2	Total/NA	Solid	6020B	995635
460-311117-10	RXSB-1_4-6	Total/NA	Solid	6020B	995635
MB 460-995635/1-A	Method Blank	Total/NA	Solid	6020B	995635
LCSSRM 460-995635/2-A ^3	Lab Control Sample	Total/NA	Solid	6020B	995635
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	6020B	995635
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	6020B	995635
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	6020B	995635

Prep Batch: 996005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	7471B	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	7471B	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	7471B	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	7471B	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	7471B	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	7471B	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 996005 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-8	RXSB-6_4-6	Total/NA	Solid	7471B	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	7471B	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	7471B	
MB 460-996005/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-996005/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	7471B	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	7471B	
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	7471B	

Analysis Batch: 996065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	7471B	996005
460-311117-2	RXSB-2_4-6	Total/NA	Solid	7471B	996005
460-311117-3	RXSB-7_0-2	Total/NA	Solid	7471B	996005
460-311117-4	RXSB-7_4-6	Total/NA	Solid	7471B	996005
460-311117-5	RXSB-4_0-2	Total/NA	Solid	7471B	996005
460-311117-6	RXSB-4_4-6	Total/NA	Solid	7471B	996005
460-311117-7	RXSB-6_0-2	Total/NA	Solid	7471B	996005
460-311117-8	RXSB-6_4-6	Total/NA	Solid	7471B	996005
460-311117-9	RXSB-1_0-2	Total/NA	Solid	7471B	996005
460-311117-10	RXSB-1_4-6	Total/NA	Solid	7471B	996005
MB 460-996005/10-A	Method Blank	Total/NA	Solid	7471B	996005
LCSSRM 460-996005/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	996005
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	7471B	996005
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	7471B	996005
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	7471B	996005

Analysis Batch: 996107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-995635/2-A ^3	Lab Control Sample	Total/NA	Solid	6020B	995635

General Chemistry

Analysis Batch: 995288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	Moisture	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	Moisture	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	Moisture	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	Moisture	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	Moisture	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	Moisture	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	Moisture	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	Moisture	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	Moisture	
460-308882-A-12 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 995936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-9	RXSB-1_0-2	Total/NA	Solid	Moisture	
460-311282-B-2 DU	Duplicate	Total/NA	Solid	Moisture	

General Chemistry

Prep Batch: 995975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	9012B	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	9012B	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	9012B	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	9012B	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	9012B	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	9012B	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	9012B	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	9012B	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	9012B	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	9012B	
MB 460-995975/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-995975/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	9012B	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	9012B	

Prep Batch: 995993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 460-995993/11-A	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 996001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	9012B	995975
460-311117-2	RXSB-2_4-6	Total/NA	Solid	9012B	995975
460-311117-3	RXSB-7_0-2	Total/NA	Solid	9012B	995975
460-311117-4	RXSB-7_4-6	Total/NA	Solid	9012B	995975
460-311117-5	RXSB-4_0-2	Total/NA	Solid	9012B	995975
460-311117-6	RXSB-4_4-6	Total/NA	Solid	9012B	995975
460-311117-7	RXSB-6_0-2	Total/NA	Solid	9012B	995975
460-311117-8	RXSB-6_4-6	Total/NA	Solid	9012B	995975
460-311117-9	RXSB-1_0-2	Total/NA	Solid	9012B	995975
460-311117-10	RXSB-1_4-6	Total/NA	Solid	9012B	995975
MB 460-995975/1-A	Method Blank	Total/NA	Solid	9012B	995975
LCSSRM 460-995975/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	995975
MRL 460-995993/11-A	Lab Control Sample	Total/NA	Solid	9012B	995993
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	9012B	995975
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	9012B	995975

Analysis Batch: 996077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	7196A	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	7196A	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	7196A	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	7196A	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	7196A	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	7196A	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	7196A	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	7196A	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	7196A	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	7196A	

General Chemistry

Prep Batch: 996553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3060A	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3060A	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3060A	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3060A	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3060A	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3060A	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3060A	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3060A	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3060A	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3060A	
MB 460-996553/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-996553/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-996553/2-A	Lab Control Sample	Total/NA	Solid	3060A	
460-311117-9 MSI	RXSB-1_0-2	Total/NA	Solid	3060A	
460-311117-9 MSS	RXSB-1_0-2	Total/NA	Solid	3060A	
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	3060A	

Analysis Batch: 996563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	7196A	996553
460-311117-2	RXSB-2_4-6	Total/NA	Solid	7196A	996553
460-311117-3	RXSB-7_0-2	Total/NA	Solid	7196A	996553
460-311117-4	RXSB-7_4-6	Total/NA	Solid	7196A	996553
460-311117-5	RXSB-4_0-2	Total/NA	Solid	7196A	996553
460-311117-6	RXSB-4_4-6	Total/NA	Solid	7196A	996553
460-311117-7	RXSB-6_0-2	Total/NA	Solid	7196A	996553
460-311117-8	RXSB-6_4-6	Total/NA	Solid	7196A	996553
460-311117-9	RXSB-1_0-2	Total/NA	Solid	7196A	996553
460-311117-10	RXSB-1_4-6	Total/NA	Solid	7196A	996553
MB 460-996553/1-A	Method Blank	Total/NA	Solid	7196A	996553
LCSI 460-996553/3-A	Lab Control Sample	Total/NA	Solid	7196A	996553
LCSSRM 460-996553/2-A	Lab Control Sample	Total/NA	Solid	7196A	996553
460-311117-9 MSI	RXSB-1_0-2	Total/NA	Solid	7196A	996553
460-311117-9 MSS	RXSB-1_0-2	Total/NA	Solid	7196A	996553
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	7196A	996553

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

Client Sample ID: RXSB-2_0-2
Date Collected: 09/10/24 08:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-2_0-2
Date Collected: 09/10/24 08:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-1
Matrix: Solid
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:28
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 15:04
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 13:20
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 05:17
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		10	996040	AAA	EET EDI	09/16/24 11:58
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 15:50
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		10	995722	CDC	EET EDI	09/13/24 16:46
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		20	996065	TJS	EET EDI	09/16/24 07:56
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 11:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:49

Client Sample ID: RXSB-2_4-6
Date Collected: 09/10/24 08:15
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-2_4-6
Date Collected: 09/10/24 08:15
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-2
Matrix: Solid
Percent Solids: 99.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:29
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 15:29
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 11:53

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

Client Sample ID: RXSB-2_4-6

Date Collected: 09/10/24 08:15
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-2

Matrix: Solid
Percent Solids: 99.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 05:30
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 18:00
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 15:53
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 07:36
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:50

Client Sample ID: RXSB-7_0-2

Date Collected: 09/10/24 09:40
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-7_0-2

Date Collected: 09/10/24 09:40
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-3

Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:30
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 15:54
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 10:09
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 05:43
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 18:18
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:00
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		5	995722	CDC	EET EDI	09/13/24 16:48
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:43
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:50

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

Client Sample ID: RXSB-7_4-6
Date Collected: 09/10/24 09:50
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-7_4-6
Date Collected: 09/10/24 09:50
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-4
Matrix: Solid
Percent Solids: 99.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:31
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 16:18
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 12:10
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 05:56
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 18:36
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:02
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:44
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:51

Client Sample ID: RXSB-4_0-2
Date Collected: 09/10/24 10:45
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-4_0-2
Date Collected: 09/10/24 10:45
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-5
Matrix: Solid
Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:31
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 16:43
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 11:18
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 06:09

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

Client Sample ID: RXSB-4_0-2

Lab Sample ID: 460-311117-5

Date Collected: 09/10/24 10:45
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 18:54
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:05
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		3	996065	TJS	EET EDI	09/16/24 07:38
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:52

Client Sample ID: RXSB-4_4-6

Lab Sample ID: 460-311117-6

Date Collected: 09/10/24 10:50
Matrix: Solid
Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-4_4-6

Lab Sample ID: 460-311117-6

Date Collected: 09/10/24 10:50
Matrix: Solid
Date Received: 09/10/24 18:30
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:32
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 17:08
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 09:52
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 06:22
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 19:12
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:07
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 07:40
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:53

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

Client Sample ID: RXSB-6_0-2
Date Collected: 09/10/24 11:45
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-6_0-2
Date Collected: 09/10/24 11:45
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-7
Matrix: Solid
Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:33
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 17:33
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 10:26
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 06:35
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 19:30
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:09
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:54
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:54

Client Sample ID: RXSB-6_4-6
Date Collected: 09/10/24 11:50
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-6_4-6
Date Collected: 09/10/24 11:50
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-8
Matrix: Solid
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:34
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 19:11
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 10:44
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 06:48

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

Client Sample ID: RXSB-6_4-6

Date Collected: 09/10/24 11:50
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-8

Matrix: Solid
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 19:47
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:12
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:55
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:55

Client Sample ID: RXSB-1_0-2

Date Collected: 09/10/24 13:00
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995936	CJC	EET EDI	09/15/24 09:52

Client Sample ID: RXSB-1_0-2

Date Collected: 09/10/24 13:00
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-9

Matrix: Solid
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:34
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 19:36
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 11:36
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 07:01
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 14:34
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 15:45
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:12
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 11:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:42

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311117-1

Client Sample ID: RXSB-1_4-6
Date Collected: 09/10/24 13:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-1_4-6
Date Collected: 09/10/24 13:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-10
Matrix: Solid
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:37
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 20:00
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 11:01
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 07:40
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 20:05
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:14
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:57
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 [1]
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:59

Client Sample ID: TB_09102024
Date Collected: 09/10/24 13:10
Date Received: 09/10/24 18:30

Lab Sample ID: 460-311117-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995611	SZD	EET EDI	09/13/24 09:36

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Edison

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
7196A		Solid	Cr (III)
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
7196A	Chromium, Hexavalent	SW846	EET EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311117-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311117-1	RXSB-2_0-2	Solid	09/10/24 08:10	09/10/24 18:30
460-311117-2	RXSB-2_4-6	Solid	09/10/24 08:15	09/10/24 18:30
460-311117-3	RXSB-7_0-2	Solid	09/10/24 09:40	09/10/24 18:30
460-311117-4	RXSB-7_4-6	Solid	09/10/24 09:50	09/10/24 18:30
460-311117-5	RXSB-4_0-2	Solid	09/10/24 10:45	09/10/24 18:30
460-311117-6	RXSB-4_4-6	Solid	09/10/24 10:50	09/10/24 18:30
460-311117-7	RXSB-6_0-2	Solid	09/10/24 11:45	09/10/24 18:30
460-311117-8	RXSB-6_4-6	Solid	09/10/24 11:50	09/10/24 18:30
460-311117-9	RXSB-1_0-2	Solid	09/10/24 13:00	09/10/24 18:30
460-311117-10	RXSB-1_4-6	Solid	09/10/24 13:10	09/10/24 18:30
460-311117-11	TB_09102024	Water	09/10/24 13:10	09/10/24 18:30

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Test

Client Information	Sampler	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Lauren Dolginko	Phone: EMERY LOVELAND 724-770-6813	Flannery Elizabeth J E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	460-185740-121602 1 Page: Page 1 of 7
Company: Roux Environmenta Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 3/11/17
Address: 209 Shafter St	Due Date Requested: STANDARD			Preservation Codes:
City: Islandia	TAT Requested (days): Standard			
State, Zip: NY 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: Purchase Order Requested			
Email: ldolginko@rouxinc.com	WO #: 2828 W 28th Street			
Project Name: 2828 W 28th Street	Project #: 46044510			
Site: 2828 W 28TH ST	SSOW#:			

460-311117 Chain of Custody

SHORT HOLD

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D Part 375 VOCs	6020B Part 375 Metals, 7196A- Hex Chrome, 7196A_CR3- Tri Chrome, 7471B	8270E - Part 375 BNAs	8081B Pesticides, 8082A- PCBs	9012B Cyanide, Total	Total Number of containers	Special Instructions/Note
			Preservation Code:				N/A	N/D	N	N	N/B		
PXSB-2_0-2	9/10/24	0810	G	S	N	N	X	X	X	X	X	01	-1
PXSB-2_4-6		0815			N	N	X	X	X	X	X	01	-2
PXSB-7_0-2		0940			N	N	X	X	X	X	X	01	-3
PXSB-7_4-6		0950			N	N	X	X	X	X	X	01	-4
PXSB-4_0-2		1045			N	N	X	X	X	X	X	01	-5
PXSB-4_4-6		1050			N	N	X	X	X	X	X	01	-6
PXSB-6_0-2		1145			N	N	X	X	X	X	X	01	-7
PXSB-6_4-6		1150			N	N	X	X	X	X	X	01	-8
PXSB-1_0-2		1300			N	Y	X	X	X	X	X	15	MS/MSD TRIPLICATE -9
PXSB-1_4-6		1310			N	N	X	X	X	X	X	01	-10
TB_09102024	5/29/24	—	—	W	N	N	X					2	-11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Specia Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9/10/24 1345	ROUX		9-10-24 1440	ET
2		9/10/24 1830	ET		9/10 1830	ETA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks:

NO/CB EX # 9/10/12 °C

Ver: 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 3/1117

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	10 °C	11.2 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

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

If pH adjustments are required record the information below.

Sample No(s). adjusted _____

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

Lot # of Preservative(s) _____ Expiration Date _____

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

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

Initials. MA Date 9-10-24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311117-1

Login Number: 311117
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 9/25/2024 5:58:57 AM

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311172-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Eurofins Edison

Job Notes

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

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

Compliance Statement

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

Authorization

Generated
9/25/2024 5:58:57 AM

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

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Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-311172-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/11/2024 6:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

Receipt Exceptions
Insufficient sample volume was provided for the following sample for the Field Filtered Dissolved metals analysis: FB_09112024 (460-311172-2). Container was not received. Per client request, the lab was instructed to filter unpreserved volume for Dissolved Metals.

Per laboratory policy, the Trip Blank sample date/time was changed to reflect the latest sample date/time of the sampling event. TB_09112024 (460-311172-3)

Method 8260D - Volatile Organic Compounds by GC/MS
Samples RXTW-4 (460-311172-1), FB_09112024 (460-311172-2) and TB_09112024 (460-311172-3) were analyzed for Volatile Organic Compounds by GC/MS. The samples were analyzed on 9/14/2024.

The continuing calibration verification (CCV) analyzed in batch 460-995829 was outside the method criteria for the following analytes: 1,1,1-Trichloroethane and Carbon tetrachloride (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-995829 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared and analyzed on 9/13/2024.

Method 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution). The samples were prepared and analyzed on 9/12/2024.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared and analyzed on 9/12/2024.

Method 8081B - Organochlorine Pesticides (GC)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 9/12/2024 and analyzed on 9/13/2024.

The continuing calibration verification (CCV) associated with batch 460-995588 recovered below the lower control limit for Methoxychlor and 4,4'-DDT on the secondary column.
The CCV at the reporting limits was analyzed and the affected analyte was detected therefore the data is reported. Methoxychlor and 4,4'-DDT was within control limits on the primary column (CCVIS 460-995588/3).

Method 6020B - Metals (ICP/MS) - Dissolved
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared and analyzed on 9/12/2024 and 9/18/2024.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 6020B. The samples were filtered prior to analysis at the laboratory.

FB_09112024 (460-311172-2)

Method 6020B - Metals (ICP/MS) - Total Recoverable
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Metals (ICP/MS) - Total Recoverable. The samples were prepared on 9/13/2024 and analyzed on 9/16/2024.

Method 7470A - Mercury (CVAA)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 9/12/2024.

Method 7470A - Mercury (CVAA) - Dissolved
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared and analyzed on 9/13/2024 and 9/17/2024.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 7470A. The samples were filtered prior to analysis at the laboratory.

FB_09112024 (460-311172-2)

Method 7196A - Chromium, Hexavalent
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Chromium, Hexavalent. The samples were analyzed on 9/12/2024.

Method 7196A - Chromium, Trivalent (Colorimetric)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Chromium, Trivalent (Colorimetric). The samples were analyzed on 9/13/2024 and 9/15/2024.

Method 9012B - Cyanide, Total andor Amenable
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Cyanide, Total andor Amenable. The samples were prepared and analyzed on 9/15/2024.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Client Sample ID: RXTW-4 — Lab Sample ID: 460-311172-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1.1	J	2.0	0.48	ug/L	1		6020B	Total Recoverable
Barium	41.4		4.0	0.93	ug/L	1		6020B	Total Recoverable
Calcium	42900		500	31.7	ug/L	1		6020B	Total Recoverable
Cobalt	0.81	J	4.0	0.41	ug/L	1		6020B	Total Recoverable
Copper	2.6	J	4.0	2.0	ug/L	1		6020B	Total Recoverable
Iron	425		120	33.7	ug/L	1		6020B	Total Recoverable
Lead	0.55	J	1.2	0.42	ug/L	1		6020B	Total Recoverable
Magnesium	14000		200	21.8	ug/L	1		6020B	Total Recoverable
Manganese	62.0		8.0	0.84	ug/L	1		6020B	Total Recoverable
Nickel	2.6	J	4.0	1.4	ug/L	1		6020B	Total Recoverable
Potassium	5480		200	83.3	ug/L	1		6020B	Total Recoverable
Selenium	0.68	J	2.5	0.43	ug/L	1		6020B	Total Recoverable
Sodium	106000		500	180	ug/L	1		6020B	Total Recoverable
Zinc	13.7	J	16.0	4.2	ug/L	1		6020B	Total Recoverable
Antimony	1.0	J	2.0	0.48	ug/L	1		6020B	Dissolved
Barium	41.4		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	42700		500	31.7	ug/L	1		6020B	Dissolved
Cobalt	0.76	J	4.0	0.41	ug/L	1		6020B	Dissolved
Copper	2.1	J	4.0	2.0	ug/L	1		6020B	Dissolved
Iron	407		120	33.7	ug/L	1		6020B	Dissolved
Lead	0.46	J	1.2	0.42	ug/L	1		6020B	Dissolved
Magnesium	13800		200	21.8	ug/L	1		6020B	Dissolved
Manganese	61.5		8.0	0.84	ug/L	1		6020B	Dissolved
Nickel	2.4	J	4.0	1.4	ug/L	1		6020B	Dissolved
Potassium	5420		200	83.3	ug/L	1		6020B	Dissolved
Selenium	0.77	J	2.5	0.43	ug/L	1		6020B	Dissolved
Sodium	104000		500	180	ug/L	1		6020B	Dissolved
Zinc	11.3	J	16.0	4.2	ug/L	1		6020B	Dissolved

Client Sample ID: FB_09112024 — Lab Sample ID: 460-311172-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.36	J	1.0	0.32	ug/L	1		8260D	Total/NA
Calcium	52.5	J	500	31.7	ug/L	1		6020B	Dissolved
Magnesium	102	J	200	21.8	ug/L	1		6020B	Dissolved

Client Sample ID: TB_09112024 — Lab Sample ID: 460-311172-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.48	J	1.0	0.32	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Client Sample ID: RXTW-4
Date Collected: 09/11/24 13:40
Date Received: 09/11/24 18:15

Lab Sample ID: 460-311172-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/14/24 11:07	1
Benzene	1.0	U	1.0	0.20	ug/L			09/14/24 11:07	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/14/24 11:07	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/14/24 11:07	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/14/24 11:07	1
Acetone	5.0	U	5.0	4.4	ug/L			09/14/24 11:07	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/14/24 11:07	1
Toluene	1.0	U	1.0	0.38	ug/L			09/14/24 11:07	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/14/24 11:07	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/14/24 11:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/14/24 11:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/14/24 11:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/14/24 11:07	1
1,4-Dioxane	50	U	50	28	ug/L			09/14/24 11:07	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/14/24 11:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/14/24 11:07	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/14/24 11:07	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/14/24 11:07	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/14/24 11:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/14/24 11:07	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/14/24 11:07	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/14/24 11:07	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/14/24 11:07	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/14/24 11:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/14/24 11:07	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 11:07	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 11:07	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 11:07	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 11:07	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/14/24 11:07	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/14/24 11:07	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/14/24 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*76 - 120*		*09/14/24 11:07*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*09/14/24 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*		*09/14/24 11:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/14/24 11:07*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/12/24 09:23	09/12/24 22:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*10 - 150*	*09/12/24 09:23*	*09/12/24 22:11*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:14	09/13/24 23:02	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 23:02	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:14	09/13/24 23:02	1

Client Sample ID: RXTW-4
Lab Sample ID: 460-311172-1
Date Collected: 09/11/24 13:40
Matrix: Water
Date Received: 09/11/24 18:15

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:14	09/13/24 23:02	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:14	09/13/24 23:02	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 23:02	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:14	09/13/24 23:02	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:14	09/13/24 23:02	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 23:02	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:14	09/13/24 23:02	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:14	09/13/24 23:02	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:14	09/13/24 23:02	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:14	09/13/24 23:02	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:14	09/13/24 23:02	1
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:14	09/13/24 23:02	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:14	09/13/24 23:02	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:14	09/13/24 23:02	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:14	09/13/24 23:02	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 23:02	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:14	09/13/24 23:02	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:14	09/13/24 23:02	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:14	09/13/24 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*37 - 150*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
2-Fluorobiphenyl	*70*		*46 - 139*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
2-Fluorophenol (Surr)	*57*		*16 - 80*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
Nitrobenzene-d5 (Surr)	*79*		*51 - 145*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
Phenol-d5 (Surr)	*41*		*10 - 56*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
Terphenyl-d14 (Surr)	*84*		*13 - 159*	*09/13/24 11:14*	*09/13/24 23:02*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/12/24 09:51	09/13/24 08:24	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:24	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:24	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:24	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/12/24 09:51	09/13/24 08:24	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/12/24 09:51	09/13/24 08:24	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/12/24 09:51	09/13/24 08:24	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:24	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/12/24 09:51	09/13/24 08:24	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/12/24 09:51	09/13/24 08:24	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/12/24 09:51	09/13/24 08:24	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:24	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/12/24 09:51	09/13/24 08:24	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:24	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Client Sample ID: RXTW-4
Date Collected: 09/11/24 13:40
Date Received: 09/11/24 18:15

Lab Sample ID: 460-311172-1
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.50	U	0.50	0.11	ug/L		09/12/24 09:51	09/13/24 08:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*30 - 131*	*09/12/24 09:51*	*09/13/24 08:24*	*1*
DCB Decachlorobiphenyl	*91*		*30 - 131*	*09/12/24 09:51*	*09/13/24 08:24*	*1*
Tetrachloro-m-xylene	*78*		*34 - 120*	*09/12/24 09:51*	*09/13/24 08:24*	*1*
Tetrachloro-m-xylene	*76*		*34 - 120*	*09/12/24 09:51*	*09/13/24 08:24*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:16	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*18 - 145*	*09/12/24 09:54*	*09/12/24 18:16*	*1*
DCB Decachlorobiphenyl	*80*		*18 - 145*	*09/12/24 09:54*	*09/12/24 18:16*	*1*
Tetrachloro-m-xylene	*72*		*21 - 124*	*09/12/24 09:54*	*09/12/24 18:16*	*1*
Tetrachloro-m-xylene	*67*		*21 - 124*	*09/12/24 09:54*	*09/12/24 18:16*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/13/24 22:35	09/16/24 11:32	1
Antimony	**1.1**	**J**	2.0	0.48	ug/L		09/13/24 22:35	09/16/24 11:32	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/13/24 22:35	09/16/24 11:32	1
Barium	**41.4**		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 11:32	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 11:32	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 11:32	1
Calcium	**42900**		500	31.7	ug/L		09/13/24 22:35	09/16/24 11:32	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 11:32	1
Cobalt	**0.81**	**J**	4.0	0.41	ug/L		09/13/24 22:35	09/16/24 11:32	1
Copper	**2.6**	**J**	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 11:32	1
Iron	**425**		120	33.7	ug/L		09/13/24 22:35	09/16/24 11:32	1
Lead	**0.55**	**J**	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 11:32	1
Magnesium	**14000**		200	21.8	ug/L		09/13/24 22:35	09/16/24 11:32	1
Manganese	**62.0**		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 11:32	1
Nickel	**2.6**	**J**	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 11:32	1
Potassium	**5480**		200	83.3	ug/L		09/13/24 22:35	09/16/24 11:32	1
Selenium	**0.68**	**J**	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 11:32	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 11:32	1
Sodium	**106000**		500	180	ug/L		09/13/24 22:35	09/16/24 11:32	1
Thallium	0.80	U	0.80	0.19	ug/L		09/13/24 22:35	09/16/24 11:32	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/13/24 22:35	09/16/24 11:32	1

Client Sample ID: RXTW-4

Lab Sample ID: 460-311172-1

Date Collected: 09/11/24 13:40

Matrix: Water

Date Received: 09/11/24 18:15

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	13.7	J	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 11:32	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/12/24 21:51	09/12/24 23:49	1
Antimony	1.0	J	2.0	0.48	ug/L		09/12/24 21:51	09/12/24 23:49	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/12/24 21:51	09/12/24 23:49	1
Barium	41.4		4.0	0.93	ug/L		09/12/24 21:51	09/12/24 23:49	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/12/24 21:51	09/12/24 23:49	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/12/24 21:51	09/12/24 23:49	1
Calcium	42700		500	31.7	ug/L		09/12/24 21:51	09/12/24 23:49	1
Chromium	4.0	U	4.0	1.7	ug/L		09/12/24 21:51	09/12/24 23:49	1
Cobalt	0.76	J	4.0	0.41	ug/L		09/12/24 21:51	09/12/24 23:49	1
Copper	2.1	J	4.0	2.0	ug/L		09/12/24 21:51	09/12/24 23:49	1
Iron	407		120	33.7	ug/L		09/12/24 21:51	09/12/24 23:49	1
Lead	0.46	J	1.2	0.42	ug/L		09/12/24 21:51	09/12/24 23:49	1
Magnesium	13800		200	21.8	ug/L		09/12/24 21:51	09/12/24 23:49	1
Manganese	61.5		8.0	0.84	ug/L		09/12/24 21:51	09/12/24 23:49	1
Nickel	2.4	J	4.0	1.4	ug/L		09/12/24 21:51	09/12/24 23:49	1
Potassium	5420		200	83.3	ug/L		09/12/24 21:51	09/12/24 23:49	1
Selenium	0.77	J	2.5	0.43	ug/L		09/12/24 21:51	09/12/24 23:49	1
Silver	2.0	U	2.0	1.3	ug/L		09/12/24 21:51	09/12/24 23:49	1
Sodium	104000		500	180	ug/L		09/12/24 21:51	09/12/24 23:49	1
Thallium	0.80	U	0.80	0.19	ug/L		09/12/24 21:51	09/12/24 23:49	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/12/24 21:51	09/12/24 23:49	1
Zinc	11.3	J	16.0	4.2	ug/L		09/12/24 21:51	09/12/24 23:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/12/24 11:39	09/12/24 14:40	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 14:48	09/13/24 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/13/24 13:10	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/12/24 01:28	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/15/24 16:12	09/15/24 19:16	1

Client Sample ID: FB_09112024

Lab Sample ID: 460-311172-2

Date Collected: 09/11/24 13:50

Matrix: Water

Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/14/24 10:28	1
Benzene	1.0	U	1.0	0.20	ug/L			09/14/24 10:28	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/14/24 10:28	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/14/24 10:28	1

Client Sample ID: FB_09112024
Lab Sample ID: 460-311172-2
Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/14/24 10:28	1
Acetone	5.0	U	5.0	4.4	ug/L			09/14/24 10:28	1
Methylene Chloride	**0.36**	**J**	1.0	0.32	ug/L			09/14/24 10:28	1
Toluene	1.0	U	1.0	0.38	ug/L			09/14/24 10:28	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/14/24 10:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/14/24 10:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/14/24 10:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/14/24 10:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/14/24 10:28	1
1,4-Dioxane	50	U	50	28	ug/L			09/14/24 10:28	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/14/24 10:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/14/24 10:28	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/14/24 10:28	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/14/24 10:28	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/14/24 10:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/14/24 10:28	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/14/24 10:28	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/14/24 10:28	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/14/24 10:28	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/14/24 10:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/14/24 10:28	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 10:28	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 10:28	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 10:28	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 10:28	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/14/24 10:28	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/14/24 10:28	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/14/24 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*76 - 120*		*09/14/24 10:28*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 132*		*09/14/24 10:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*		*09/14/24 10:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/14/24 10:28*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/12/24 09:23	09/12/24 22:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*37*		*10 - 150*	*09/12/24 09:23*	*09/12/24 22:26*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:14	09/13/24 23:23	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 23:23	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:14	09/13/24 23:23	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:14	09/13/24 23:23	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:14	09/13/24 23:23	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 23:23	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:14	09/13/24 23:23	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Client Sample ID: FB_09112024
Date Collected: 09/11/24 13:50
Date Received: 09/11/24 18:15

Lab Sample ID: 460-311172-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:14	09/13/24 23:23	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 23:23	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:14	09/13/24 23:23	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:14	09/13/24 23:23	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:14	09/13/24 23:23	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:14	09/13/24 23:23	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:14	09/13/24 23:23	1
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:14	09/13/24 23:23	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:14	09/13/24 23:23	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:14	09/13/24 23:23	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:14	09/13/24 23:23	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 23:23	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:14	09/13/24 23:23	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:14	09/13/24 23:23	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:14	09/13/24 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*37 - 150*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
2-Fluorobiphenyl	*75*		*46 - 139*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
2-Fluorophenol (Surr)	*55*		*16 - 80*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
Nitrobenzene-d5 (Surr)	*78*		*51 - 145*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
Phenol-d5 (Surr)	*38*		*10 - 56*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
Terphenyl-d14 (Surr)	*86*		*13 - 159*	*09/13/24 11:14*	*09/13/24 23:23*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/12/24 09:51	09/13/24 08:36	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:36	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:36	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:36	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/12/24 09:51	09/13/24 08:36	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/12/24 09:51	09/13/24 08:36	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/12/24 09:51	09/13/24 08:36	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:36	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/12/24 09:51	09/13/24 08:36	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/12/24 09:51	09/13/24 08:36	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/12/24 09:51	09/13/24 08:36	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:36	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/12/24 09:51	09/13/24 08:36	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:36	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/12/24 09:51	09/13/24 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*30 - 131*	*09/12/24 09:51*	*09/13/24 08:36*	*1*

Client Sample ID: FB_09112024
Lab Sample ID: 460-311172-2
Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*30 - 131*	*09/12/24 09:51*	*09/13/24 08:36*	*1*
Tetrachloro-m-xylene	*86*		*34 - 120*	*09/12/24 09:51*	*09/13/24 08:36*	*1*
Tetrachloro-m-xylene	*81*		*34 - 120*	*09/12/24 09:51*	*09/13/24 08:36*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:32	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*18 - 145*	*09/12/24 09:54*	*09/12/24 18:32*	*1*
DCB Decachlorobiphenyl	*102*		*18 - 145*	*09/12/24 09:54*	*09/12/24 18:32*	*1*
Tetrachloro-m-xylene	*103*		*21 - 124*	*09/12/24 09:54*	*09/12/24 18:32*	*1*
Tetrachloro-m-xylene	*101*		*21 - 124*	*09/12/24 09:54*	*09/12/24 18:32*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/13/24 22:35	09/16/24 10:34	1
Antimony	2.0	U	2.0	0.48	ug/L		09/13/24 22:35	09/16/24 10:34	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/13/24 22:35	09/16/24 10:34	1
Barium	4.0	U	4.0	0.93	ug/L		09/13/24 22:35	09/16/24 10:34	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 10:34	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 10:34	1
Calcium	500	U	500	31.7	ug/L		09/13/24 22:35	09/16/24 10:34	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 10:34	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/13/24 22:35	09/16/24 10:34	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 10:34	1
Iron	120	U	120	33.7	ug/L		09/13/24 22:35	09/16/24 10:34	1
Lead	1.2	U	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 10:34	1
Magnesium	200	U	200	21.8	ug/L		09/13/24 22:35	09/16/24 10:34	1
Manganese	8.0	U	8.0	0.84	ug/L		09/13/24 22:35	09/16/24 10:34	1
Nickel	4.0	U	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 10:34	1
Potassium	200	U	200	83.3	ug/L		09/13/24 22:35	09/16/24 10:34	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 10:34	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 10:34	1
Sodium	500	U	500	180	ug/L		09/13/24 22:35	09/16/24 10:34	1
Thallium	0.80	U	0.80	0.19	ug/L		09/13/24 22:35	09/16/24 10:34	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/13/24 22:35	09/16/24 10:34	1
Zinc	16.0	U	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 10:34	1

Client Sample ID: FB_09112024

Lab Sample ID: 460-311172-2

Date Collected: 09/11/24 13:50

Matrix: Water

Date Received: 09/11/24 18:15

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/18/24 00:33	09/18/24 02:04	1
Antimony	2.0	U	2.0	0.48	ug/L		09/18/24 00:33	09/18/24 02:04	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/18/24 00:33	09/18/24 02:04	1
Barium	4.0	U	4.0	0.93	ug/L		09/18/24 00:33	09/18/24 02:04	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/18/24 00:33	09/18/24 02:04	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/18/24 00:33	09/18/24 02:04	1
Calcium	**52.5**	**J**	500	31.7	ug/L		09/18/24 00:33	09/18/24 02:04	1
Chromium	4.0	U	4.0	1.7	ug/L		09/18/24 00:33	09/18/24 02:04	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/18/24 00:33	09/18/24 02:04	1
Copper	4.0	U	4.0	2.0	ug/L		09/18/24 00:33	09/18/24 02:04	1
Iron	120	U	120	33.7	ug/L		09/18/24 00:33	09/18/24 02:04	1
Lead	1.2	U	1.2	0.42	ug/L		09/18/24 00:33	09/18/24 02:04	1
Magnesium	**102**	**J**	200	21.8	ug/L		09/18/24 00:33	09/18/24 02:04	1
Manganese	8.0	U	8.0	0.84	ug/L		09/18/24 00:33	09/18/24 02:04	1
Nickel	4.0	U	4.0	1.4	ug/L		09/18/24 00:33	09/18/24 02:04	1
Potassium	200	U	200	83.3	ug/L		09/18/24 00:33	09/18/24 02:04	1
Selenium	2.5	U	2.5	0.43	ug/L		09/18/24 00:33	09/18/24 02:04	1
Silver	2.0	U	2.0	1.3	ug/L		09/18/24 00:33	09/18/24 02:04	1
Sodium	500	U	500	180	ug/L		09/18/24 00:33	09/18/24 13:46	1
Thallium	0.80	U	0.80	0.19	ug/L		09/18/24 00:33	09/18/24 02:04	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/18/24 00:33	09/18/24 02:04	1
Zinc	16.0	U	16.0	4.2	ug/L		09/18/24 00:33	09/18/24 02:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/12/24 11:39	09/12/24 14:42	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/17/24 14:19	09/17/24 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/15/24 21:35	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/12/24 01:28	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/15/24 16:12	09/15/24 19:17	1

Client Sample ID: TB_09112024

Lab Sample ID: 460-311172-3

Date Collected: 09/11/24 13:50

Matrix: Water

Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/14/24 10:47	1
Benzene	1.0	U	1.0	0.20	ug/L			09/14/24 10:47	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/14/24 10:47	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/14/24 10:47	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/14/24 10:47	1
Acetone	5.0	U	5.0	4.4	ug/L			09/14/24 10:47	1
Methylene Chloride	**0.48**	**J**	1.0	0.32	ug/L			09/14/24 10:47	1
Toluene	1.0	U	1.0	0.38	ug/L			09/14/24 10:47	1

Client Sample ID: TB_09112024
Lab Sample ID: 460-311172-3
Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	1.0	U	1.0	0.36	ug/L			09/14/24 10:47	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/14/24 10:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/14/24 10:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/14/24 10:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/14/24 10:47	1
1,4-Dioxane	50	U	50	28	ug/L			09/14/24 10:47	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/14/24 10:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/14/24 10:47	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/14/24 10:47	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/14/24 10:47	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/14/24 10:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/14/24 10:47	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/14/24 10:47	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/14/24 10:47	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/14/24 10:47	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/14/24 10:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/14/24 10:47	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 10:47	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 10:47	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 10:47	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 10:47	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/14/24 10:47	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/14/24 10:47	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/14/24 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*76 - 120*		*09/14/24 10:47*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 132*		*09/14/24 10:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*		*09/14/24 10:47*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/14/24 10:47*	*1*

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(76-120)	(77-132)	(70-128)	(80-120)
460-310812-A-2 MS	Matrix Spike	99	99	87	100
460-310812-A-2 MSD	Matrix Spike Duplicate	99	98	88	100
460-311172-1	RXTW-4	103	104	97	100
460-311172-2	FB_09112024	101	103	97	98
460-311172-3	TB_09112024	101	102	95	99
LCS 460-995829/4	Lab Control Sample	102	101	93	101
MB 460-995829/8	Method Blank	101	100	93	101

Surrogate Legend

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

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-159)
460-311172-1	RXTW-4	93	70	57	79	41	84
460-311172-2	FB_09112024	95	75	55	78	38	86
LCS 460-995676/2-A	Lab Control Sample	88	80	45	78	36	98
LCSD 460-995676/3-A	Lab Control Sample Dup	88	80	44	80	36	93
MB 460-995676/1-A	Method Blank	85	60	54	72	42	66

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(30-131)	(30-131)	(34-120)	(34-120)
460-311114-E-5-A MS	Matrix Spike	92	102	85	76
460-311114-E-5-B MSD	Matrix Spike Duplicate	94	103	87	78
460-311172-1	RXTW-4	91	86	76	78
460-311172-2	FB_09112024	87	89	81	86
LCS 460-995329/2-A	Lab Control Sample	96	102	99	91
LCSD 460-995329/3-A	Lab Control Sample Dup	91	101	93	87
MB 460-995329/1-A	Method Blank	91	105	86	95

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(18-145)	(18-145)	(21-124)	(21-124)
460-311118-F-7-A MS	Matrix Spike	115	120	89	86
460-311118-H-7-A MSD	Matrix Spike Duplicate	112	109	89	85
460-311172-1	RXTW-4	80	91	67	72
460-311172-2	FB_09112024	102	119	101	103
LCS 460-995331/2-A	Lab Control Sample	65	77	73	68
LCSD 460-995331/3-A	Lab Control Sample Dup	63	76	72	68
MB 460-995331/1-A	Method Blank	66	78	71	70

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		DXE							
Lab Sample ID	Client Sample ID	(10-150)							
460-311172-1	RXTW-4	28							
460-311172-2	FB_09112024	37							
LCS 460-995440/2-A	Lab Control Sample	24							
LCSD 460-995440/3-A	Lab Control Sample Dup	24							
MB 460-995440/1-A	Method Blank	29							

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 460-995829/8
Matrix: Water
Analysis Batch: 995829

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/14/24 07:51	1
Benzene	1.0	U	1.0	0.20	ug/L			09/14/24 07:51	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/14/24 07:51	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/14/24 07:51	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/14/24 07:51	1
Acetone	5.0	U	5.0	4.4	ug/L			09/14/24 07:51	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/14/24 07:51	1
Toluene	1.0	U	1.0	0.38	ug/L			09/14/24 07:51	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/14/24 07:51	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/14/24 07:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/14/24 07:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/14/24 07:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/14/24 07:51	1
1,4-Dioxane	50	U	50	28	ug/L			09/14/24 07:51	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/14/24 07:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/14/24 07:51	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/14/24 07:51	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/14/24 07:51	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/14/24 07:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/14/24 07:51	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/14/24 07:51	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/14/24 07:51	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/14/24 07:51	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/14/24 07:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/14/24 07:51	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 07:51	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 07:51	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 07:51	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 07:51	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/14/24 07:51	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/14/24 07:51	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/14/24 07:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*76 - 120*		*09/14/24 07:51*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 132*		*09/14/24 07:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 128*		*09/14/24 07:51*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/14/24 07:51*	*1*

Lab Sample ID: LCS 460-995829/4
Matrix: Water
Analysis Batch: 995829

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	23.9		ug/L		119	72 - 128
Benzene	20.0	21.5		ug/L		107	71 - 126
Tetrachloroethene	20.0	23.2		ug/L		116	70 - 127
1,1-Dichloroethane	20.0	21.7		ug/L		109	73 - 130

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

Lab Sample ID: LCS 460-995829/4
Matrix: Water
Analysis Batch: 995829

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	20.0	19.3		ug/L		97	66 - 129
Acetone	100	91.7		ug/L		92	60 - 133
Methylene Chloride	20.0	20.5		ug/L		102	74 - 127
Toluene	20.0	20.0		ug/L		100	78 - 120
o-Xylene	20.0	22.8		ug/L		114	78 - 120
Chlorobenzene	20.0	22.4		ug/L		112	80 - 120
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120
Methyl tert-butyl ether	20.0	19.8		ug/L		99	72 - 131
trans-1,2-Dichloroethene	20.0	22.4		ug/L		112	70 - 126
1,4-Dioxane	400	446		ug/L		112	42 - 150
1,1-Dichloroethene	20.0	20.5		ug/L		102	68 - 133
1,2-Dichlorobenzene	20.0	22.2		ug/L		111	80 - 120
Trichloroethene	20.0	22.1		ug/L		111	73 - 121
2-Butanone (MEK)	100	101		ug/L		101	65 - 142
Ethylbenzene	20.0	22.6		ug/L		113	78 - 120
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	78 - 121
Chloroform	20.0	21.7		ug/L		109	78 - 125
m-Xylene & p-Xylene	20.0	23.6		ug/L		118	78 - 120
Vinyl chloride	20.0	20.3		ug/L		101	55 - 144
Carbon tetrachloride	20.0	30.3	*	ug/L		152	65 - 131
1,4-Dichlorobenzene	20.0	22.1		ug/L		111	80 - 120
n-Butylbenzene	20.0	24.0		ug/L		120	69 - 135
1,2,4-Trimethylbenzene	20.0	23.0		ug/L		115	75 - 125
sec-Butylbenzene	20.0	23.9		ug/L		119	77 - 129
N-Propylbenzene	20.0	23.2		ug/L		116	68 - 129
Xylenes, Total	40.0	46.4		ug/L		116	80 - 120
1,3,5-Trimethylbenzene	20.0	22.7		ug/L		114	75 - 125
tert-Butylbenzene	20.0	22.7		ug/L		114	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 132*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 128*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 460-310812-A-2 MS
Matrix: Water
Analysis Batch: 995829

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U	20.0	23.1		ug/L		116	72 - 128
Benzene	1.0	U	20.0	20.7		ug/L		104	71 - 126
Tetrachloroethene	0.38	J	20.0	21.7		ug/L		107	70 - 127
1,1-Dichloroethane	1.0	U	20.0	21.1		ug/L		105	73 - 130
1,2-Dichloroethane	1.0	U	20.0	18.1		ug/L		90	66 - 129
Acetone	5.0	U	100	86.4		ug/L		86	60 - 133
Methylene Chloride	1.0	U	20.0	20.7		ug/L		104	74 - 127
Toluene	1.0	U	20.0	19.3		ug/L		96	78 - 120

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

Lab Sample ID: 460-310812-A-2 MS
Matrix: Water
Analysis Batch: 995829

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	1.0	U	20.0	22.0		ug/L		110	78 - 120
Chlorobenzene	1.0	U	20.0	21.6		ug/L		108	80 - 120
1,3-Dichlorobenzene	1.0	U	20.0	20.6		ug/L		103	80 - 120
Methyl tert-butyl ether	1.0	U	20.0	19.3		ug/L		96	72 - 131
trans-1,2-Dichloroethene	1.0	U	20.0	21.2		ug/L		106	70 - 126
1,4-Dioxane	50	U	400	371		ug/L		93	42 - 150
1,1-Dichloroethene	1.0	U	20.0	20.9		ug/L		105	68 - 133
1,2-Dichlorobenzene	1.0	U	20.0	21.0		ug/L		105	80 - 120
Trichloroethene	1.0	U	20.0	21.3		ug/L		106	73 - 121
2-Butanone (MEK)	5.0	U	100	98.2		ug/L		98	65 - 142
Ethylbenzene	1.0	U	20.0	21.8		ug/L		109	78 - 120
cis-1,2-Dichloroethene	1.0	U	20.0	20.2		ug/L		101	78 - 121
Chloroform	5.1		20.0	25.1		ug/L		100	78 - 125
m-Xylene & p-Xylene	1.0	U	20.0	22.3		ug/L		112	78 - 120
Vinyl chloride	1.0	U	20.0	19.3		ug/L		96	55 - 144
Carbon tetrachloride	1.0	U *	20.0	28.1	*	ug/L		140	65 - 131
1,4-Dichlorobenzene	1.0	U	20.0	20.9		ug/L		105	80 - 120
n-Butylbenzene	1.0	U	20.0	22.9		ug/L		114	69 - 135
1,2,4-Trimethylbenzene	1.0	U	20.0	22.1		ug/L		110	75 - 125
sec-Butylbenzene	1.0	U	20.0	22.8		ug/L		114	77 - 129
N-Propylbenzene	1.0	U	20.0	22.1		ug/L		111	68 - 129
Xylenes, Total	2.0	U	40.0	44.4		ug/L		111	80 - 120
1,3,5-Trimethylbenzene	1.0	U	20.0	21.9		ug/L		110	75 - 125
tert-Butylbenzene	1.0	U	20.0	21.9		ug/L		110	78 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 132*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 460-310812-A-2 MSD
Matrix: Water
Analysis Batch: 995829

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	20.0	25.1		ug/L		125	72 - 128	8	30
Benzene	1.0	U	20.0	22.8		ug/L		114	71 - 126	10	30
Tetrachloroethene	0.38	J	20.0	24.7		ug/L		121	70 - 127	13	30
1,1-Dichloroethane	1.0	U	20.0	23.0		ug/L		115	73 - 130	9	30
1,2-Dichloroethane	1.0	U	20.0	19.6		ug/L		98	66 - 129	8	30
Acetone	5.0	U	100	98.0		ug/L		98	60 - 133	13	30
Methylene Chloride	1.0	U	20.0	22.1		ug/L		110	74 - 127	6	30
Toluene	1.0	U	20.0	21.3		ug/L		106	78 - 120	10	30
o-Xylene	1.0	U	20.0	24.0		ug/L		120	78 - 120	9	30
Chlorobenzene	1.0	U	20.0	23.8		ug/L		119	80 - 120	10	30
1,3-Dichlorobenzene	1.0	U	20.0	23.3		ug/L		116	80 - 120	12	30
Methyl tert-butyl ether	1.0	U	20.0	21.4		ug/L		107	72 - 131	10	30

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

Lab Sample ID: 460-310812-A-2 MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 995829

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	1.0	U	20.0	24.1		ug/L		120	70 - 126	13	30
1,4-Dioxane	50	U	400	468		ug/L		117	42 - 150	23	30
1,1-Dichloroethene	1.0	U	20.0	22.4		ug/L		112	68 - 133	7	30
1,2-Dichlorobenzene	1.0	U	20.0	23.9		ug/L		119	80 - 120	13	30
Trichloroethene	1.0	U	20.0	23.5		ug/L		117	73 - 121	10	30
2-Butanone (MEK)	5.0	U	100	116		ug/L		116	65 - 142	16	30
Ethylbenzene	1.0	U	20.0	23.4		ug/L		117	78 - 120	7	30
cis-1,2-Dichloroethene	1.0	U	20.0	22.1		ug/L		111	78 - 121	9	30
Chloroform	5.1		20.0	27.0		ug/L		110	78 - 125	7	30
m-Xylene & p-Xylene	1.0	U	20.0	24.8	*	ug/L		124	78 - 120	11	30
Vinyl chloride	1.0	U	20.0	20.1		ug/L		100	55 - 144	4	30
Carbon tetrachloride	1.0	U *	20.0	30.3	*	ug/L		152	65 - 131	8	30
1,4-Dichlorobenzene	1.0	U	20.0	23.6		ug/L		118	80 - 120	12	30
n-Butylbenzene	1.0	U	20.0	25.3		ug/L		126	69 - 135	10	30
1,2,4-Trimethylbenzene	1.0	U	20.0	25.2	*	ug/L		126	75 - 125	13	30
sec-Butylbenzene	1.0	U	20.0	25.7		ug/L		128	77 - 129	12	30
N-Propylbenzene	1.0	U	20.0	24.6		ug/L		123	68 - 129	11	30
Xylenes, Total	2.0	U	40.0	48.8	*	ug/L		122	80 - 120	10	30
1,3,5-Trimethylbenzene	1.0	U	20.0	24.5		ug/L		122	75 - 125	11	30
tert-Butylbenzene	1.0	U	20.0	24.7	*	ug/L		124	78 - 120	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*98*		*77 - 132*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-995676/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 995763
Prep Batch: 995676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:14	09/13/24 20:53	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 20:53	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:14	09/13/24 20:53	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:14	09/13/24 20:53	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:14	09/13/24 20:53	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 20:53	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:14	09/13/24 20:53	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:14	09/13/24 20:53	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 20:53	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:14	09/13/24 20:53	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:14	09/13/24 20:53	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:14	09/13/24 20:53	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:14	09/13/24 20:53	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:14	09/13/24 20:53	1
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:14	09/13/24 20:53	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-995676/1-A
Matrix: Water
Analysis Batch: 995763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:14	09/13/24 20:53	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:14	09/13/24 20:53	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:14	09/13/24 20:53	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 20:53	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:14	09/13/24 20:53	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:14	09/13/24 20:53	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:14	09/13/24 20:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*37 - 150*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
2-Fluorobiphenyl	*60*		*46 - 139*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
2-Fluorophenol (Surr)	*54*		*16 - 80*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
Nitrobenzene-d5 (Surr)	*72*		*51 - 145*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
Phenol-d5 (Surr)	*42*		*10 - 56*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
Terphenyl-d14 (Surr)	*66*		*13 - 159*	*09/13/24 11:14*	*09/13/24 20:53*	*1*

Lab Sample ID: LCS 460-995676/2-A
Matrix: Water
Analysis Batch: 995763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	80.0	83.1		ug/L		104	67 - 125
Dibenzofuran	80.0	78.2		ug/L		98	64 - 125
Acenaphthylene	80.0	83.8		ug/L		105	58 - 122
Benzo[g,h,i]perylene	80.0	94.2		ug/L		118	52 - 143
Hexachlorobenzene	80.0	85.8		ug/L		107	62 - 135
Phenanthrene	80.0	80.4		ug/L		101	68 - 126
Benzo[k]fluoranthene	80.0	89.3		ug/L		112	71 - 140
Benzo[a]pyrene	80.0	90.8		ug/L		113	75 - 148
Anthracene	80.0	81.7		ug/L		102	67 - 127
Pyrene	80.0	90.9		ug/L		114	60 - 137
Dibenz(a,h)anthracene	80.0	91.3		ug/L		114	53 - 150
Naphthalene	80.0	73.8		ug/L		92	39 - 126
Pentachlorophenol	160	162		ug/L		101	60 - 140
Fluoranthene	80.0	83.6		ug/L		105	69 - 137
2-Methylphenol	80.0	59.7		ug/L		75	35 - 120
Benzo[a]anthracene	80.0	83.2		ug/L		104	71 - 131
Indeno[1,2,3-cd]pyrene	80.0	93.3		ug/L		117	59 - 150
Chrysene	80.0	79.5		ug/L		99	70 - 132
Acenaphthene	80.0	78.1		ug/L		98	62 - 127
Benzo[b]fluoranthene	80.0	91.1		ug/L		114	70 - 140
Phenol	80.0	34.1		ug/L		43	10 - 80
3 & 4 Methylphenol	80.0	58.3		ug/L		73	27 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*37 - 150*
2-Fluorobiphenyl	*80*		*46 - 139*
2-Fluorophenol (Surr)	*45*		*16 - 80*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-995676/2-A
Matrix: Water
Analysis Batch: 995763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995676

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	78		51 - 145
Phenol-d5 (Surr)	36		10 - 56
Terphenyl-d14 (Surr)	98		13 - 159

Lab Sample ID: LCSD 460-995676/3-A
Matrix: Water
Analysis Batch: 995763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995676

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene			80.0	81.3		ug/L		102	67 - 125	2	30
Dibenzofuran			80.0	77.0		ug/L		96	64 - 125	2	30
Acenaphthylene			80.0	82.3		ug/L		103	58 - 122	2	30
Benzo[g,h,i]perylene			80.0	84.5		ug/L		106	52 - 143	11	30
Hexachlorobenzene			80.0	84.3		ug/L		105	62 - 135	2	30
Phenanthrene			80.0	79.4		ug/L		99	68 - 126	1	30
Benzo[k]fluoranthene			80.0	90.7		ug/L		113	71 - 140	2	30
Benzo[a]pyrene			80.0	90.5		ug/L		113	75 - 148	0	30
Anthracene			80.0	83.7		ug/L		105	67 - 127	2	30
Pyrene			80.0	86.5		ug/L		108	60 - 137	5	30
Dibenz(a,h)anthracene			80.0	82.8		ug/L		103	53 - 150	10	30
Naphthalene			80.0	73.6		ug/L		92	39 - 126	0	30
Pentachlorophenol			160	166		ug/L		104	60 - 140	3	30
Fluoranthene			80.0	82.3		ug/L		103	69 - 137	2	30
2-Methylphenol			80.0	57.6		ug/L		72	35 - 120	3	30
Benzo[a]anthracene			80.0	83.0		ug/L		104	71 - 131	0	30
Indeno[1,2,3-cd]pyrene			80.0	82.6		ug/L		103	59 - 150	12	30
Chrysene			80.0	78.8		ug/L		99	70 - 132	1	30
Acenaphthene			80.0	77.0		ug/L		96	62 - 127	1	30
Benzo[b]fluoranthene			80.0	89.6		ug/L		112	70 - 140	2	30
Phenol			80.0	35.0		ug/L		44	10 - 80	3	30
3 & 4 Methylphenol			80.0	54.0		ug/L		67	27 - 120	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	88		37 - 150
2-Fluorobiphenyl	80		46 - 139
2-Fluorophenol (Surr)	44		16 - 80
Nitrobenzene-d5 (Surr)	80		51 - 145
Phenol-d5 (Surr)	36		10 - 56
Terphenyl-d14 (Surr)	93		13 - 159

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-995440/1-A
Matrix: Water
Analysis Batch: 995542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/12/24 09:23	09/12/24 21:24	1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		10 - 150	09/12/24 09:23	09/12/24 21:24	1

Lab Sample ID: LCS 460-995440/2-A
Matrix: Water
Analysis Batch: 995542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995440

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			1.60	1.97		ug/L		123	42 - 142		

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
1,4-Dioxane-d8	24		10 - 150

Lab Sample ID: LCSD 460-995440/3-A
Matrix: Water
Analysis Batch: 995542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995440

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.60	2.01		ug/L		126	42 - 142	2	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	24		10 - 150

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-995329/1-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/11/24 20:10	09/12/24 04:16	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/11/24 20:10	09/12/24 04:16	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/11/24 20:10	09/12/24 04:16	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/11/24 20:10	09/12/24 04:16	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/11/24 20:10	09/12/24 04:16	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/11/24 20:10	09/12/24 04:16	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-995329/1-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/11/24 20:10	09/12/24 04:16	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/11/24 20:10	09/12/24 04:16	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/11/24 20:10	09/12/24 04:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*30 - 131*	*09/11/24 20:10*	*09/12/24 04:16*	*1*
DCB Decachlorobiphenyl	*91*		*30 - 131*	*09/11/24 20:10*	*09/12/24 04:16*	*1*
Tetrachloro-m-xylene	*95*		*34 - 120*	*09/11/24 20:10*	*09/12/24 04:16*	*1*
Tetrachloro-m-xylene	*86*		*34 - 120*	*09/11/24 20:10*	*09/12/24 04:16*	*1*

Lab Sample ID: LCS 460-995329/2-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.800	0.759		ug/L		95	69 - 138
4,4'-DDD	0.800	0.760		ug/L		95	69 - 138
4,4'-DDE	0.800	0.816		ug/L		102	68 - 130
4,4'-DDE	0.800	0.785		ug/L		98	68 - 130
4,4'-DDT	0.800	0.694		ug/L		87	57 - 1505
4,4'-DDT	0.800	0.739		ug/L		92	57 - 1505
Aldrin	0.800	0.820		ug/L		103	67 - 129
Aldrin	0.800	0.772		ug/L		97	67 - 129
alpha-BHC	0.800	0.781		ug/L		98	70 - 125
alpha-BHC	0.800	0.742		ug/L		93	70 - 125
beta-BHC	0.800	0.777		ug/L		97	70 - 129
beta-BHC	0.800	0.733		ug/L		92	70 - 129
cis-Chlordane	0.800	0.817		ug/L		102	72 - 126
cis-Chlordane	0.800	0.766		ug/L		96	72 - 126
delta-BHC	0.800	0.600		ug/L		75	44 - 120
delta-BHC	0.800	0.583		ug/L		73	44 - 120

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-995329/2-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995329

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dieldrin			0.800	0.815		ug/L		102	72 - 128		
Dieldrin			0.800	0.763		ug/L		95	72 - 128		
Endosulfan I			0.800	0.820		ug/L		103	73 - 127		
Endosulfan I			0.800	0.804		ug/L		100	73 - 127		
Endosulfan II			0.800	0.885		ug/L		111	73 - 134		
Endosulfan II			0.800	0.802		ug/L		100	73 - 134		
Endosulfan sulfate			0.800	0.744		ug/L		93	61 - 128		
Endosulfan sulfate			0.800	0.688		ug/L		86	61 - 128		
Endrin			0.800	0.763		ug/L		95	64 - 138		
Endrin			0.800	0.867		ug/L		108	64 - 138		
Endrin aldehyde			0.800	0.867		ug/L		108	74 - 133		
Endrin aldehyde			0.800	0.770		ug/L		96	74 - 133		
Endrin ketone			0.800	0.857		ug/L		107	56 - 150		
Endrin ketone			0.800	0.781		ug/L		98	56 - 150		
gamma-BHC (Lindane)			0.800	0.798		ug/L		100	73 - 132		
gamma-BHC (Lindane)			0.800	0.762		ug/L		95	73 - 132		
Heptachlor			0.800	0.822		ug/L		103	70 - 134		
Heptachlor			0.800	0.781		ug/L		98	70 - 134		
Heptachlor epoxide			0.800	0.817		ug/L		102	75 - 126		
Heptachlor epoxide			0.800	0.771		ug/L		96	75 - 126		
Methoxychlor			0.800	0.613		ug/L		77	49 - 150		
Methoxychlor			0.800	0.721		ug/L		90	49 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*102*		*30 - 131*
DCB Decachlorobiphenyl	*96*		*30 - 131*
Tetrachloro-m-xylene	*91*		*34 - 120*
Tetrachloro-m-xylene	*99*		*34 - 120*

Lab Sample ID: LCSD 460-995329/3-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.800	0.745		ug/L		93	69 - 138	2	30
4,4'-DDD			0.800	0.746		ug/L		93	69 - 138	2	30
4,4'-DDE			0.800	0.809		ug/L		101	68 - 130	1	30
4,4'-DDE			0.800	0.770		ug/L		96	68 - 130	2	30
4,4'-DDT			0.800	0.685		ug/L		86	57 - 1505	1	30
4,4'-DDT			0.800	0.725		ug/L		91	57 - 1505	2	30
Aldrin			0.800	0.822		ug/L		103	67 - 129	0	30
Aldrin			0.800	0.757		ug/L		95	67 - 129	2	30
alpha-BHC			0.800	0.777		ug/L		97	70 - 125	0	30
alpha-BHC			0.800	0.725		ug/L		91	70 - 125	2	30
beta-BHC			0.800	0.770		ug/L		96	70 - 129	1	30
beta-BHC			0.800	0.720		ug/L		90	70 - 129	2	30
cis-Chlordane			0.800	0.813		ug/L		102	72 - 126	0	30
cis-Chlordane			0.800	0.752		ug/L		94	72 - 126	2	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-995329/3-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
delta-BHC			0.800	0.598		ug/L		75	44 - 120	0	30
delta-BHC			0.800	0.572		ug/L		72	44 - 120	2	30
Dieldrin			0.800	0.811		ug/L		101	72 - 128	1	30
Dieldrin			0.800	0.750		ug/L		94	72 - 128	2	30
Endosulfan I			0.800	0.817		ug/L		102	73 - 127	0	30
Endosulfan I			0.800	0.791		ug/L		99	73 - 127	2	30
Endosulfan II			0.800	0.878		ug/L		110	73 - 134	1	30
Endosulfan II			0.800	0.789		ug/L		99	73 - 134	2	30
Endosulfan sulfate			0.800	0.736		ug/L		92	61 - 128	1	30
Endosulfan sulfate			0.800	0.681		ug/L		85	61 - 128	1	30
Endrin			0.800	0.756		ug/L		94	64 - 138	1	30
Endrin			0.800	0.849		ug/L		106	64 - 138	2	30
Endrin aldehyde			0.800	0.860		ug/L		107	74 - 133	1	30
Endrin aldehyde			0.800	0.757		ug/L		95	74 - 133	2	30
Endrin ketone			0.800	0.869		ug/L		109	56 - 150	1	30
Endrin ketone			0.800	0.768		ug/L		96	56 - 150	2	30
gamma-BHC (Lindane)			0.800	0.795		ug/L		99	73 - 132	0	30
gamma-BHC (Lindane)			0.800	0.748		ug/L		94	73 - 132	2	30
Heptachlor			0.800	0.820		ug/L		103	70 - 134	0	30
Heptachlor			0.800	0.767		ug/L		96	70 - 134	2	30
Heptachlor epoxide			0.800	0.814		ug/L		102	75 - 126	0	30
Heptachlor epoxide			0.800	0.758		ug/L		95	75 - 126	2	30
Methoxychlor			0.800	0.613		ug/L		77	49 - 150	0	30
Methoxychlor			0.800	0.725		ug/L		91	49 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*30 - 131*
DCB Decachlorobiphenyl	*91*		*30 - 131*
Tetrachloro-m-xylene	*87*		*34 - 120*
Tetrachloro-m-xylene	*93*		*34 - 120*

Lab Sample ID: 460-311114-E-5-A MS
Matrix: Water
Analysis Batch: 995588

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.020	U	0.800	0.755		ug/L		94	69 - 138
4,4'-DDD	0.020	U	0.800	0.759		ug/L		95	69 - 138
4,4'-DDE	0.020	U	0.800	0.789		ug/L		99	68 - 130
4,4'-DDE	0.020	U	0.800	0.767		ug/L		96	68 - 130
4,4'-DDT	0.020	U	0.800	0.766		ug/L		96	57 - 150
4,4'-DDT	0.020	U	0.800	0.769		ug/L		96	57 - 150
Aldrin	0.020	U	0.800	0.759		ug/L		95	67 - 129
Aldrin	0.020	U	0.800	0.711		ug/L		89	67 - 129
alpha-BHC	0.020	U	0.800	0.715		ug/L		89	70 - 125
alpha-BHC	0.020	U	0.800	0.732		ug/L		92	70 - 125
beta-BHC	0.020	U	0.800	0.682		ug/L		85	70 - 129
beta-BHC	0.020	U	0.800	0.709		ug/L		89	70 - 129

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-311114-E-5-A MS
Matrix: Water
Analysis Batch: 995588

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-Chlordane	0.020	U	0.800	0.780		ug/L		98	72 - 126
cis-Chlordane	0.020	U	0.800	0.747		ug/L		93	72 - 126
delta-BHC	0.020	U	0.800	0.587		ug/L		73	44 - 120
delta-BHC	0.020	U	0.800	0.580		ug/L		73	44 - 120
Dieldrin	0.020	U	0.800	0.795		ug/L		99	72 - 128
Dieldrin	0.020	U	0.800	0.766		ug/L		96	72 - 128
Endosulfan I	0.020	U	0.800	0.787		ug/L		98	73 - 127
Endosulfan I	0.020	U	0.800	0.777		ug/L		97	73 - 127
Endosulfan II	0.020	U	0.800	0.819		ug/L		102	73 - 134
Endosulfan II	0.020	U	0.800	0.802		ug/L		100	73 - 134
Endosulfan sulfate	0.020	U	0.800	0.736		ug/L		92	61 - 128
Endosulfan sulfate	0.020	U	0.800	0.694		ug/L		87	61 - 128
Endrin	0.020	U	0.800	0.791		ug/L		99	64 - 138
Endrin	0.020	U	0.800	0.893		ug/L		112	64 - 138
Endrin aldehyde	0.020	U	0.800	0.784		ug/L		98	74 - 133
Endrin aldehyde	0.020	U	0.800	0.712		ug/L		89	74 - 133
Endrin ketone	0.020	U	0.800	0.846		ug/L		106	56 - 150
Endrin ketone	0.020	U	0.800	0.783		ug/L		98	56 - 150
gamma-BHC (Lindane)	0.020	U	0.800	0.757		ug/L		95	73 - 132
gamma-BHC (Lindane)	0.020	U	0.800	0.732		ug/L		91	73 - 132
Heptachlor	0.020	U	0.800	0.730		ug/L		91	70 - 134
Heptachlor	0.020	U	0.800	0.755		ug/L		94	70 - 134
Heptachlor epoxide	0.020	U	0.800	0.802		ug/L		100	75 - 126
Heptachlor epoxide	0.020	U	0.800	0.748		ug/L		94	75 - 126
Methoxychlor	0.020	U	0.800	0.741		ug/L		93	49 - 150
Methoxychlor	0.020	U	0.800	0.764		ug/L		95	49 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*102*		*30 - 131*
DCB Decachlorobiphenyl	*92*		*30 - 131*
Tetrachloro-m-xylene	*76*		*34 - 120*
Tetrachloro-m-xylene	*85*		*34 - 120*

Lab Sample ID: 460-311114-E-5-B MSD
Matrix: Water
Analysis Batch: 995588

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.020	U	0.800	0.744		ug/L		93	69 - 138	2	30
4,4'-DDD	0.020	U	0.800	0.757		ug/L		95	69 - 138	0	30
4,4'-DDE	0.020	U	0.800	0.779		ug/L		97	68 - 130	1	30
4,4'-DDE	0.020	U	0.800	0.763		ug/L		95	68 - 130	1	30
4,4'-DDT	0.020	U	0.800	0.761		ug/L		95	57 - 150	1	30
4,4'-DDT	0.020	U	0.800	0.771		ug/L		96	57 - 150	0	30
Aldrin	0.020	U	0.800	0.752		ug/L		94	67 - 129	1	30
Aldrin	0.020	U	0.800	0.712		ug/L		89	67 - 129	0	30
alpha-BHC	0.020	U	0.800	0.712		ug/L		89	70 - 125	1	30
alpha-BHC	0.020	U	0.800	0.734		ug/L		92	70 - 125	0	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-311114-E-5-B MSD
Matrix: Water
Analysis Batch: 995588

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
beta-BHC	0.020	U	0.800	0.681		ug/L		85	70 - 129	0	30
beta-BHC	0.020	U	0.800	0.710		ug/L		89	70 - 129	0	30
cis-Chlordane	0.020	U	0.800	0.772		ug/L		96	72 - 126	1	30
cis-Chlordane	0.020	U	0.800	0.746		ug/L		93	72 - 126	0	30
delta-BHC	0.020	U	0.800	0.582		ug/L		73	44 - 120	1	30
delta-BHC	0.020	U	0.800	0.579		ug/L		72	44 - 120	0	30
Dieldrin	0.020	U	0.800	0.780		ug/L		98	72 - 128	2	30
Dieldrin	0.020	U	0.800	0.761		ug/L		95	72 - 128	1	30
Endosulfan I	0.020	U	0.800	0.776		ug/L		97	73 - 127	1	30
Endosulfan I	0.020	U	0.800	0.779		ug/L		97	73 - 127	0	30
Endosulfan II	0.020	U	0.800	0.810		ug/L		101	73 - 134	1	30
Endosulfan II	0.020	U	0.800	0.798		ug/L		100	73 - 134	0	30
Endosulfan sulfate	0.020	U	0.800	0.731		ug/L		91	61 - 128	1	30
Endosulfan sulfate	0.020	U	0.800	0.696		ug/L		87	61 - 128	0	30
Endrin	0.020	U	0.800	0.772		ug/L		97	64 - 138	2	30
Endrin	0.020	U	0.800	0.889		ug/L		111	64 - 138	1	30
Endrin aldehyde	0.020	U	0.800	0.780		ug/L		98	74 - 133	0	30
Endrin aldehyde	0.020	U	0.800	0.719		ug/L		90	74 - 133	1	30
Endrin ketone	0.020	U	0.800	0.837		ug/L		105	56 - 150	1	30
Endrin ketone	0.020	U	0.800	0.788		ug/L		99	56 - 150	1	30
gamma-BHC (Lindane)	0.020	U	0.800	0.753		ug/L		94	73 - 132	1	30
gamma-BHC (Lindane)	0.020	U	0.800	0.730		ug/L		91	73 - 132	0	30
Heptachlor	0.020	U	0.800	0.729		ug/L		91	70 - 134	0	30
Heptachlor	0.020	U	0.800	0.755		ug/L		94	70 - 134	0	30
Heptachlor epoxide	0.020	U	0.800	0.796		ug/L		99	75 - 126	1	30
Heptachlor epoxide	0.020	U	0.800	0.747		ug/L		93	75 - 126	0	30
Methoxychlor	0.020	U	0.800	0.739		ug/L		92	49 - 150	0	30
Methoxychlor	0.020	U	0.800	0.783		ug/L		98	49 - 150	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*103*		*30 - 131*
DCB Decachlorobiphenyl	*94*		*30 - 131*
Tetrachloro-m-xylene	*78*		*34 - 120*
Tetrachloro-m-xylene	*87*		*34 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-995331/1-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-995331/1-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*18 - 145*	*09/11/24 20:11*	*09/12/24 06:51*	*1*
DCB Decachlorobiphenyl	*66*		*18 - 145*	*09/11/24 20:11*	*09/12/24 06:51*	*1*
Tetrachloro-m-xylene	*70*		*21 - 124*	*09/11/24 20:11*	*09/12/24 06:51*	*1*
Tetrachloro-m-xylene	*71*		*21 - 124*	*09/11/24 20:11*	*09/12/24 06:51*	*1*

Lab Sample ID: LCS 460-995331/2-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995331

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			4.00	2.33		ug/L		58	42 - 120		
Aroclor 1016			4.00	2.53		ug/L		63	42 - 120		
Aroclor 1260			4.00	2.45		ug/L		61	42 - 126		
Aroclor 1260			4.00	2.66		ug/L		66	42 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*18 - 145*
DCB Decachlorobiphenyl	*65*		*18 - 145*
Tetrachloro-m-xylene	*68*		*21 - 124*
Tetrachloro-m-xylene	*73*		*21 - 124*

Lab Sample ID: LCSD 460-995331/3-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995331

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			4.00	2.26		ug/L		57	42 - 120	NaN	30
Aroclor 1016			4.00	2.36		ug/L		59	42 - 120	7	30
Aroclor 1260			4.00	2.33		ug/L		58	42 - 126	NaN	30
Aroclor 1260			4.00	2.36		ug/L		59	42 - 126	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*76*		*18 - 145*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-995331/3-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995331

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*		*18 - 145*
Tetrachloro-m-xylene	*68*		*21 - 124*
Tetrachloro-m-xylene	*72*		*21 - 124*

Lab Sample ID: 460-311118-F-7-A MS
Matrix: Water
Analysis Batch: 995497

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.40	U	4.00	3.75		ug/L		94	42 - 120
Aroclor 1016	0.40	U	4.00	4.04		ug/L		101	42 - 120
Aroclor 1260	0.40	U	4.00	3.82		ug/L		95	42 - 126
Aroclor 1260	0.40	U	4.00	4.41		ug/L		110	42 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*120*		*18 - 145*
DCB Decachlorobiphenyl	*115*		*18 - 145*
Tetrachloro-m-xylene	*86*		*21 - 124*
Tetrachloro-m-xylene	*89*		*21 - 124*

Lab Sample ID: 460-311118-H-7-A MSD
Matrix: Water
Analysis Batch: 995497

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.40	U	4.00	3.35		ug/L		84	42 - 120	11	30
Aroclor 1016	0.40	U	4.00	4.21		ug/L		105	42 - 120	4	30
Aroclor 1260	0.40	U	4.00	3.43		ug/L		86	42 - 126	11	30
Aroclor 1260	0.40	U	4.00	4.33		ug/L		108	42 - 126	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*109*		*18 - 145*
DCB Decachlorobiphenyl	*112*		*18 - 145*
Tetrachloro-m-xylene	*85*		*21 - 124*
Tetrachloro-m-xylene	*89*		*21 - 124*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-995570/1-A
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 995570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/12/24 21:51	09/12/24 22:41	1
Antimony	2.0	U	2.0	0.48	ug/L		09/12/24 21:51	09/12/24 22:41	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/12/24 21:51	09/12/24 22:41	1
Barium	4.0	U	4.0	0.93	ug/L		09/12/24 21:51	09/12/24 22:41	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/12/24 21:51	09/12/24 22:41	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-995570/1-A
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 995570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.38	ug/L		09/12/24 21:51	09/12/24 22:41	1
Calcium	500	U	500	31.7	ug/L		09/12/24 21:51	09/12/24 22:41	1
Chromium	4.0	U	4.0	1.7	ug/L		09/12/24 21:51	09/12/24 22:41	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/12/24 21:51	09/12/24 22:41	1
Copper	4.0	U	4.0	2.0	ug/L		09/12/24 21:51	09/12/24 22:41	1
Iron	120	U	120	33.7	ug/L		09/12/24 21:51	09/12/24 22:41	1
Lead	1.2	U	1.2	0.42	ug/L		09/12/24 21:51	09/12/24 22:41	1
Magnesium	200	U	200	21.8	ug/L		09/12/24 21:51	09/12/24 22:41	1
Manganese	8.0	U	8.0	0.84	ug/L		09/12/24 21:51	09/12/24 22:41	1
Nickel	4.0	U	4.0	1.4	ug/L		09/12/24 21:51	09/12/24 22:41	1
Potassium	200	U	200	83.3	ug/L		09/12/24 21:51	09/12/24 22:41	1
Selenium	2.5	U	2.5	0.43	ug/L		09/12/24 21:51	09/12/24 22:41	1
Silver	2.0	U	2.0	1.3	ug/L		09/12/24 21:51	09/12/24 22:41	1
Sodium	500	U	500	180	ug/L		09/12/24 21:51	09/12/24 22:41	1
Thallium	0.80	U	0.80	0.19	ug/L		09/12/24 21:51	09/12/24 22:41	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/12/24 21:51	09/12/24 22:41	1
Zinc	16.0	U	16.0	4.2	ug/L		09/12/24 21:51	09/12/24 22:41	1

Lab Sample ID: LCS 460-995570/2-A
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 995570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2479		ug/L		99	80 - 120
Antimony	25.0	23.89		ug/L		96	80 - 120
Arsenic	50.0	51.16		ug/L		102	80 - 120
Barium	50.0	49.13		ug/L		98	80 - 120
Beryllium	25.0	24.08		ug/L		96	80 - 120
Cadmium	25.0	25.10		ug/L		100	80 - 120
Calcium	2500	2517		ug/L		101	80 - 120
Chromium	50.0	49.67		ug/L		99	80 - 120
Cobalt	25.0	25.31		ug/L		101	80 - 120
Copper	50.0	51.84		ug/L		104	80 - 120
Iron	2500	2576		ug/L		103	80 - 120
Lead	25.0	24.67		ug/L		99	80 - 120
Magnesium	2500	2493		ug/L		100	80 - 120
Manganese	250	244.4		ug/L		98	80 - 120
Nickel	50.0	50.44		ug/L		101	80 - 120
Potassium	2500	2475		ug/L		99	80 - 120
Selenium	50.0	50.37		ug/L		101	80 - 120
Silver	25.0	23.71		ug/L		95	80 - 120
Sodium	2500	2588		ug/L		104	80 - 120
Thallium	20.0	19.85		ug/L		99	80 - 120
Vanadium	50.0	49.61		ug/L		99	80 - 120
Zinc	250	251.3		ug/L		101	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-995809/1-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/13/24 22:35	09/16/24 10:08	1
Antimony	2.0	U	2.0	0.48	ug/L		09/13/24 22:35	09/16/24 10:08	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/13/24 22:35	09/16/24 10:08	1
Barium	4.0	U	4.0	0.93	ug/L		09/13/24 22:35	09/16/24 10:08	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 10:08	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 10:08	1
Calcium	500	U	500	31.7	ug/L		09/13/24 22:35	09/16/24 10:08	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 10:08	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/13/24 22:35	09/16/24 10:08	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 10:08	1
Iron	120	U	120	33.7	ug/L		09/13/24 22:35	09/16/24 10:08	1
Lead	1.2	U	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 10:08	1
Magnesium	200	U	200	21.8	ug/L		09/13/24 22:35	09/16/24 10:08	1
Manganese	8.0	U	8.0	0.84	ug/L		09/13/24 22:35	09/16/24 10:08	1
Nickel	4.0	U	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 10:08	1
Potassium	200	U	200	83.3	ug/L		09/13/24 22:35	09/16/24 10:08	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 10:08	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 10:08	1
Sodium	500	U	500	180	ug/L		09/13/24 22:35	09/16/24 10:08	1
Thallium	0.80	U	0.80	0.19	ug/L		09/13/24 22:35	09/16/24 10:08	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/13/24 22:35	09/16/24 10:08	1
Zinc	16.0	U	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 10:08	1

Lab Sample ID: LCS 460-995809/2-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2545		ug/L		102	80 - 120
Antimony	25.0	24.77		ug/L		99	80 - 120
Arsenic	50.0	51.82		ug/L		104	80 - 120
Barium	50.0	50.85		ug/L		102	80 - 120
Beryllium	25.0	24.97		ug/L		100	80 - 120
Cadmium	25.0	25.52		ug/L		102	80 - 120
Calcium	2500	2672		ug/L		107	80 - 120
Chromium	50.0	52.71		ug/L		105	80 - 120
Cobalt	25.0	26.44		ug/L		106	80 - 120
Copper	50.0	54.41		ug/L		109	80 - 120
Iron	2500	2675		ug/L		107	80 - 120
Lead	25.0	25.63		ug/L		103	80 - 120
Magnesium	2500	2597		ug/L		104	80 - 120
Manganese	250	253.7		ug/L		101	80 - 120
Nickel	50.0	53.17		ug/L		106	80 - 120
Potassium	2500	2546		ug/L		102	80 - 120
Selenium	50.0	51.27		ug/L		103	80 - 120
Silver	25.0	25.63		ug/L		103	80 - 120
Sodium	2500	2608		ug/L		104	80 - 120
Thallium	20.0	20.72		ug/L		104	80 - 120
Vanadium	50.0	51.75		ug/L		104	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-995809/2-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Zinc			250	259.1		ug/L		104	80 - 120		

Lab Sample ID: 460-311253-E-1-D MS
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum	47.3		2500	2551		ug/L		100	75 - 125		
Antimony	0.79	J	25.0	25.86		ug/L		100	75 - 125		
Arsenic	4.4		50.0	53.83		ug/L		99	75 - 125		
Barium	36.9		50.0	84.13		ug/L		95	75 - 125		
Beryllium	0.80	U	25.0	24.48		ug/L		98	75 - 125		
Cadmium	2.0	U	25.0	25.70		ug/L		103	75 - 125		
Calcium	84300		2500	82370	4	ug/L		-77	75 - 125		
Chromium	4.0	U	50.0	49.62		ug/L		99	75 - 125		
Cobalt	4.0	U	25.0	24.86		ug/L		99	75 - 125		
Copper	4.0	U	50.0	50.57		ug/L		101	75 - 125		
Iron	1570		2500	3969		ug/L		96	75 - 125		
Lead	0.95	J	25.0	26.35		ug/L		102	75 - 125		
Magnesium	9810		2500	11960		ug/L		86	75 - 125		
Manganese	60.3		250	294.4		ug/L		94	75 - 125		
Nickel	4.0	U	50.0	50.36		ug/L		101	75 - 125		
Potassium	6480		2500	8747		ug/L		91	75 - 125		
Selenium	2.5	U	50.0	49.32		ug/L		99	75 - 125		
Silver	2.0	U	25.0	24.87		ug/L		99	75 - 125		
Sodium	31700		2500	33210	4	ug/L		60	75 - 125		
Thallium	0.80	U	20.0	20.25		ug/L		101	75 - 125		
Vanadium	4.0	U	50.0	49.86		ug/L		100	75 - 125		
Zinc	27.3		250	266.7		ug/L		96	75 - 125		

Lab Sample ID: 460-311253-E-1-C DU
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	47.3			42.05		ug/L				12	20
Antimony	0.79	J		0.804	J	ug/L				1	20
Arsenic	4.4			4.44		ug/L				0.7	20
Barium	36.9			36.58		ug/L				0.8	20
Beryllium	0.80	U		0.80	U	ug/L				NC	20
Cadmium	2.0	U		2.0	U	ug/L				NC	20
Calcium	84300			83970		ug/L				0.4	20
Chromium	4.0	U		4.0	U	ug/L				NC	20
Cobalt	4.0	U		4.0	U	ug/L				NC	20
Copper	4.0	U		4.0	U	ug/L				NC	20
Iron	1570			1566		ug/L				0.5	20
Lead	0.95	J		0.951	J	ug/L				0.6	20
Magnesium	9810			9672		ug/L				1	20
Manganese	60.3			59.54		ug/L				1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311253-E-1-C DU
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nickel	4.0	U	4.0	U	ug/L		NC	20
Potassium	6480		6399		ug/L		1	20
Selenium	2.5	U	2.5	U	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	31700		31400		ug/L		1	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	4.0	U	4.0	U	ug/L		NC	20
Zinc	27.3		26.89		ug/L		1	20

Lab Sample ID: LCS 460-996458/10-A
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2412		ug/L		96	80 - 120
Antimony	25.0	24.23		ug/L		97	80 - 120
Arsenic	50.0	47.77		ug/L		96	80 - 120
Barium	50.0	48.68		ug/L		97	80 - 120
Beryllium	25.0	23.32		ug/L		93	80 - 120
Cadmium	25.0	24.10		ug/L		96	80 - 120
Calcium	2500	2559		ug/L		102	80 - 120
Chromium	50.0	48.61		ug/L		97	80 - 120
Cobalt	25.0	24.78		ug/L		99	80 - 120
Copper	50.0	50.32		ug/L		101	80 - 120
Iron	2500	2477		ug/L		99	80 - 120
Lead	25.0	24.26		ug/L		97	80 - 120
Magnesium	2500	2440		ug/L		98	80 - 120
Manganese	250	240.6		ug/L		96	80 - 120
Nickel	50.0	47.22		ug/L		94	80 - 120
Potassium	2500	2497		ug/L		100	80 - 120
Selenium	50.0	49.68		ug/L		99	80 - 120
Silver	25.0	23.09		ug/L		92	80 - 120
Thallium	20.0	19.62		ug/L		98	80 - 120
Vanadium	50.0	48.86		ug/L		98	80 - 120
Zinc	250	239.3		ug/L		96	80 - 120

Lab Sample ID: LCS 460-996458/10-A
Matrix: Water
Analysis Batch: 996599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2622		ug/L		105	80 - 120
Antimony	25.0	24.77		ug/L		99	80 - 120
Arsenic	50.0	56.57		ug/L		113	80 - 120
Barium	50.0	49.87		ug/L		100	80 - 120
Beryllium	25.0	24.31		ug/L		97	80 - 120
Cadmium	25.0	25.23		ug/L		101	80 - 120
Calcium	2500	2587		ug/L		103	80 - 120
Chromium	50.0	52.91		ug/L		106	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-996458/10-A
Matrix: Water
Analysis Batch: 996599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	25.0	26.74		ug/L		107	80 - 120
Copper	50.0	56.82		ug/L		114	80 - 120
Iron	2500	2627		ug/L		105	80 - 120
Lead	25.0	25.59		ug/L		102	80 - 120
Magnesium	2500	2674		ug/L		107	80 - 120
Manganese	250	257.2		ug/L		103	80 - 120
Nickel	50.0	55.00		ug/L		110	80 - 120
Potassium	2500	2619		ug/L		105	80 - 120
Selenium	50.0	53.13		ug/L		106	80 - 120
Silver	25.0	24.78		ug/L		99	80 - 120
Sodium	2500	2728		ug/L		109	80 - 120
Thallium	20.0	20.45		ug/L		102	80 - 120
Vanadium	50.0	52.09		ug/L		104	80 - 120
Zinc	250	263.5		ug/L		105	80 - 120

Lab Sample ID: 460-311114-D-5-C MS
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 995570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	40.0	U	2500	2458		ug/L		98	75 - 125
Antimony	2.0	U	25.0	17.35	N	ug/L		69	75 - 125
Arsenic	2.7		50.0	54.83		ug/L		104	75 - 125
Barium	432		50.0	471.8	4	ug/L		79	75 - 125
Beryllium	0.80	U	25.0	24.28		ug/L		97	75 - 125
Cadmium	2.0	U	25.0	24.85		ug/L		99	75 - 125
Calcium	113000		2500	114900	4	ug/L		67	75 - 125
Chromium	4.0	U	50.0	48.84		ug/L		98	75 - 125
Cobalt	1.9	J	25.0	26.08		ug/L		97	75 - 125
Copper	4.0	U	50.0	48.54		ug/L		97	75 - 125
Iron	11200		2500	13600	4	ug/L		96	75 - 125
Lead	1.2	U	25.0	25.09		ug/L		100	75 - 125
Magnesium	60700		2500	62060	4	ug/L		55	75 - 125
Manganese	2520		250	2753	4	ug/L		95	75 - 125
Nickel	14.1		50.0	62.36		ug/L		96	75 - 125
Potassium	119000		2500	120900	4	ug/L		93	75 - 125
Selenium	1.3	J	50.0	54.97		ug/L		107	75 - 125
Silver	2.0	U	25.0	19.94		ug/L		80	75 - 125
Sodium	240000		2500	239000	4	ug/L		-33	75 - 125
Thallium	0.80	U	20.0	19.09		ug/L		95	75 - 125
Vanadium	4.0	U	50.0	49.29		ug/L		99	75 - 125
Zinc	16.0	U	250	245.8		ug/L		98	75 - 125

Lab Sample ID: 460-311114-D-5-D MSD
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 995570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	40.0	U	2500	2555		ug/L		102	75 - 125	4	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311114-D-5-D MSD
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 995570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	2.0	U	25.0	18.55	N	ug/L		74	75 - 125	7	20
Arsenic	2.7		50.0	58.27		ug/L		111	75 - 125	6	20
Barium	432		50.0	476.5	4	ug/L		88	75 - 125	1	20
Beryllium	0.80	U	25.0	26.02		ug/L		104	75 - 125	7	20
Cadmium	2.0	U	25.0	26.14		ug/L		105	75 - 125	5	20
Calcium	113000		2500	114100	4	ug/L		39	75 - 125	1	20
Chromium	4.0	U	50.0	51.57		ug/L		103	75 - 125	5	20
Cobalt	1.9	J	25.0	27.42		ug/L		102	75 - 125	5	20
Copper	4.0	U	50.0	51.10		ug/L		102	75 - 125	5	20
Iron	11200		2500	13510	4	ug/L		92	75 - 125	1	20
Lead	1.2	U	25.0	26.51		ug/L		106	75 - 125	6	20
Magnesium	60700		2500	62210	4	ug/L		61	75 - 125	0	20
Manganese	2520		250	2739	4	ug/L		89	75 - 125	1	20
Nickel	14.1		50.0	65.31		ug/L		102	75 - 125	5	20
Potassium	119000		2500	119500	4	ug/L		37	75 - 125	1	20
Selenium	1.3	J	50.0	57.52		ug/L		113	75 - 125	5	20
Silver	2.0	U	25.0	20.91		ug/L		84	75 - 125	5	20
Sodium	240000		2500	240000	4	ug/L		7	75 - 125	0	20
Thallium	0.80	U	20.0	20.37		ug/L		102	75 - 125	7	20
Vanadium	4.0	U	50.0	51.67		ug/L		103	75 - 125	5	20
Zinc	16.0	U	250	260.4		ug/L		104	75 - 125	6	20

Lab Sample ID: 460-311114-D-5-B DU
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 995570

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	40.0	U	40.0	U	ug/L		NC	20
Antimony	2.0	U	2.0	U	ug/L		NC	20
Arsenic	2.7		3.10		ug/L		13	20
Barium	432		428.2		ug/L		1	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Calcium	113000		111900		ug/L		1	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	1.9	J	1.77	J	ug/L		5	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Iron	11200		10880		ug/L		3	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Magnesium	60700		60190		ug/L		0.8	20
Manganese	2520		2511		ug/L		0.2	20
Nickel	14.1		14.03		ug/L		0.7	20
Potassium	119000		119000		ug/L		0.4	20
Selenium	1.3	J	1.44	J	ug/L		14	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	240000		236300		ug/L		1	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	4.0	U	4.0	U	ug/L		NC	20
Zinc	16.0	U	16.0	U	ug/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-996456/1-B
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 996458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/18/24 00:33	09/18/24 01:32	1
Antimony	2.0	U	2.0	0.48	ug/L		09/18/24 00:33	09/18/24 01:32	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/18/24 00:33	09/18/24 01:32	1
Barium	4.0	U	4.0	0.93	ug/L		09/18/24 00:33	09/18/24 01:32	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/18/24 00:33	09/18/24 01:32	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/18/24 00:33	09/18/24 01:32	1
Calcium	500	U	500	31.7	ug/L		09/18/24 00:33	09/18/24 01:32	1
Chromium	4.0	U	4.0	1.7	ug/L		09/18/24 00:33	09/18/24 01:32	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/18/24 00:33	09/18/24 01:32	1
Copper	4.0	U	4.0	2.0	ug/L		09/18/24 00:33	09/18/24 01:32	1
Iron	120	U	120	33.7	ug/L		09/18/24 00:33	09/18/24 01:32	1
Lead	1.2	U	1.2	0.42	ug/L		09/18/24 00:33	09/18/24 01:32	1
Magnesium	200	U	200	21.8	ug/L		09/18/24 00:33	09/18/24 01:32	1
Manganese	8.0	U	8.0	0.84	ug/L		09/18/24 00:33	09/18/24 01:32	1
Nickel	4.0	U	4.0	1.4	ug/L		09/18/24 00:33	09/18/24 01:32	1
Potassium	200	U	200	83.3	ug/L		09/18/24 00:33	09/18/24 01:32	1
Selenium	2.5	U	2.5	0.43	ug/L		09/18/24 00:33	09/18/24 01:32	1
Silver	2.0	U	2.0	1.3	ug/L		09/18/24 00:33	09/18/24 01:32	1
Thallium	0.80	U	0.80	0.19	ug/L		09/18/24 00:33	09/18/24 01:32	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/18/24 00:33	09/18/24 01:32	1
Zinc	16.0	U	16.0	4.2	ug/L		09/18/24 00:33	09/18/24 01:32	1

Lab Sample ID: MB 460-996456/1-B
Matrix: Water
Analysis Batch: 996599

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 996458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/18/24 00:33	09/18/24 13:15	1
Antimony	2.0	U	2.0	0.48	ug/L		09/18/24 00:33	09/18/24 13:15	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/18/24 00:33	09/18/24 13:15	1
Barium	4.0	U	4.0	0.93	ug/L		09/18/24 00:33	09/18/24 13:15	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/18/24 00:33	09/18/24 13:15	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/18/24 00:33	09/18/24 13:15	1
Calcium	500	U	500	31.7	ug/L		09/18/24 00:33	09/18/24 13:15	1
Chromium	4.0	U	4.0	1.7	ug/L		09/18/24 00:33	09/18/24 13:15	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/18/24 00:33	09/18/24 13:15	1
Copper	4.0	U	4.0	2.0	ug/L		09/18/24 00:33	09/18/24 13:15	1
Iron	120	U	120	33.7	ug/L		09/18/24 00:33	09/18/24 13:15	1
Lead	1.2	U	1.2	0.42	ug/L		09/18/24 00:33	09/18/24 13:15	1
Magnesium	200	U	200	21.8	ug/L		09/18/24 00:33	09/18/24 13:15	1
Manganese	8.0	U	8.0	0.84	ug/L		09/18/24 00:33	09/18/24 13:15	1
Nickel	4.0	U	4.0	1.4	ug/L		09/18/24 00:33	09/18/24 13:15	1
Potassium	200	U	200	83.3	ug/L		09/18/24 00:33	09/18/24 13:15	1
Selenium	2.5	U	2.5	0.43	ug/L		09/18/24 00:33	09/18/24 13:15	1
Silver	2.0	U	2.0	1.3	ug/L		09/18/24 00:33	09/18/24 13:15	1
Sodium	500	U	500	180	ug/L		09/18/24 00:33	09/18/24 13:15	1
Thallium	0.80	U	0.80	0.19	ug/L		09/18/24 00:33	09/18/24 13:15	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/18/24 00:33	09/18/24 13:15	1
Zinc	16.0	U	16.0	4.2	ug/L		09/18/24 00:33	09/18/24 13:15	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 460-311255-A-1-AD MS
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 996458

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	40.0	U	2500	2277		ug/L		91	75 - 125
Antimony	0.60	J	25.0	21.81		ug/L		85	75 - 125
Arsenic	3.3		50.0	55.44		ug/L		104	75 - 125
Barium	21.0		50.0	71.39		ug/L		101	75 - 125
Beryllium	0.80	U	25.0	22.00		ug/L		88	75 - 125
Cadmium	2.0	U	25.0	21.10		ug/L		84	75 - 125
Calcium	378000		2500	380200	4	ug/L		87	75 - 125
Chromium	4.0	U	50.0	46.55		ug/L		93	75 - 125
Cobalt	4.0	U	25.0	22.53		ug/L		90	75 - 125
Copper	4.0	U	50.0	33.62	N	ug/L		67	75 - 125
Iron	120	U	2500	2428		ug/L		97	75 - 125
Lead	1.2	U	25.0	17.94	N	ug/L		72	75 - 125
Manganese	127		250	369.8		ug/L		97	75 - 125
Nickel	4.0	U	50.0	41.39		ug/L		83	75 - 125
Potassium	359000		2500	349200	4	ug/L		-409	75 - 125
Selenium	2.5	U	50.0	50.76		ug/L		102	75 - 125
Silver	2.0	U	25.0	18.81		ug/L		75	75 - 125
Thallium	0.80	U	20.0	17.64		ug/L		88	75 - 125
Vanadium	4.9		50.0	55.03		ug/L		100	75 - 125
Zinc	8.1	J	250	236.4		ug/L		91	75 - 125

Lab Sample ID: 460-311255-A-1-AE MSD
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 996458

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	40.0	U	2500	2294		ug/L		92	75 - 125	1	20
Antimony	0.60	J	25.0	23.11		ug/L		90	75 - 125	6	20
Arsenic	3.3		50.0	56.06		ug/L		106	75 - 125	1	20
Barium	21.0		50.0	72.23		ug/L		102	75 - 125	1	20
Beryllium	0.80	U	25.0	22.74		ug/L		91	75 - 125	3	20
Cadmium	2.0	U	25.0	23.13		ug/L		93	75 - 125	9	20
Calcium	378000		2500	363300	4	ug/L		-591	75 - 125	5	20
Chromium	4.0	U	50.0	47.66		ug/L		95	75 - 125	2	20
Cobalt	4.0	U	25.0	23.05		ug/L		92	75 - 125	2	20
Copper	4.0	U	50.0	35.68	N	ug/L		71	75 - 125	6	20
Iron	120	U	2500	2358		ug/L		94	75 - 125	3	20
Lead	1.2	U	25.0	18.57	N	ug/L		74	75 - 125	3	20
Manganese	127		250	373.8		ug/L		99	75 - 125	1	20
Nickel	4.0	U	50.0	42.94		ug/L		86	75 - 125	4	20
Potassium	359000		2500	349100	4	ug/L		-412	75 - 125	0	20
Selenium	2.5	U	50.0	51.31		ug/L		103	75 - 125	1	20
Silver	2.0	U	25.0	19.33		ug/L		77	75 - 125	3	20
Thallium	0.80	U	20.0	18.13		ug/L		91	75 - 125	3	20
Vanadium	4.9		50.0	55.50		ug/L		101	75 - 125	1	20
Zinc	8.1	J	250	253.2		ug/L		98	75 - 125	7	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311255-A-1-AC DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 996348 — **Prep Batch: 996458**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	40.0	U	40.0	U	ug/L		NC	20
Antimony	0.60	J	0.612	J	ug/L		2	20
Arsenic	3.3		3.38		ug/L		2	20
Barium	21.0		20.64		ug/L		2	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Calcium	378000		374000		ug/L		1	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	4.0	U	4.0	U	ug/L		NC	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Iron	120	U	120	U	ug/L		NC	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Manganese	127		124.3		ug/L		2	20
Nickel	4.0	U	4.0	U	ug/L		NC	20
Potassium	359000		352500		ug/L		2	20
Selenium	2.5	U	2.5	U	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	4.9		4.84		ug/L		0.3	20
Zinc	8.1	J	5.74	J	ug/L		34	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-995473/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 995512 — **Prep Batch: 995473**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/12/24 11:39	09/12/24 14:09	1

Lab Sample ID: LCS 460-995473/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 995512 — **Prep Batch: 995473**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.02		ug/L		102	80 - 120

Lab Sample ID: 460-310685-C-2-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 995512 — **Prep Batch: 995473**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.06		ug/L		106	75 - 125	1	20

Lab Sample ID: 460-310685-F-2-H MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 995512 — **Prep Batch: 995473**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.05		ug/L		105	75 - 125

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-310685-J-2-B DU
Matrix: Water
Analysis Batch: 995512

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 995473

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-995708/1-A
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 14:48	09/13/24 15:06	1

Lab Sample ID: LCS 460-995708/3-A
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.967		ug/L		97	80 - 120

Lab Sample ID: LCS 460-996345/3-A
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996345

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.979		ug/L		98	80 - 120

Lab Sample ID: 460-311172-1 MS
Matrix: Water
Analysis Batch: 995745

Client Sample ID: RXTW-4
Prep Type: Dissolved
Prep Batch: 995708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	0.992		ug/L		99	75 - 125

Lab Sample ID: 460-311172-1 DU
Matrix: Water
Analysis Batch: 995745

Client Sample ID: RXTW-4
Prep Type: Dissolved
Prep Batch: 995708

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-996343/1-B
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 996345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/17/24 14:19	09/17/24 15:57	1

Lab Sample ID: 460-311357-F-2-C MS
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 996345

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.01		ug/L		101	75 - 125

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-311357-F-2-D MSD
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 996345

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.01		ug/L		101	75 - 125	1	20

Lab Sample ID: 460-311357-F-2-B DU
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 996345

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-995366/10
Matrix: Water
Analysis Batch: 995366

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10.0	U	10.0	8.1	ug/L			09/12/24 01:28	1

Lab Sample ID: LCSSRM 460-995366/11
Matrix: Water
Analysis Batch: 995366

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	77.6	77.60		ug/L		100.0	84.1 - 114.4

Lab Sample ID: MRL 460-995366/9
Matrix: Water
Analysis Batch: 995366

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10.0	12.14		ug/L		121	50 - 150

Lab Sample ID: 460-311172-1 MS
Matrix: Water
Analysis Batch: 995366

Client Sample ID: RXTW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10.0	U	30.0	29.60		ug/L		99	85 - 115

Lab Sample ID: 460-311172-1 DU
Matrix: Water
Analysis Batch: 995366

Client Sample ID: RXTW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	10.0	U	10.0	U	ug/L		NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-995993/12-A
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		09/15/24 16:08	09/15/24 18:14	1

Lab Sample ID: MRL 460-995993/11-A
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995993

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.00738	J	mg/L		74	50 - 150

Lab Sample ID: MB 460-995994/1-A
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		09/15/24 16:12	09/15/24 18:44	1

Lab Sample ID: LCS 460-995994/2-A
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.101		mg/L		101	85 - 115

Lab Sample ID: 460-311270-D-11-B MS
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.063		0.200	0.261		mg/L		99	90 - 110

Lab Sample ID: 460-311270-D-11-C MSD
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.063		0.200	0.241	N	mg/L		89	90 - 110	8	35

GC/MS VOA

Analysis Batch: 995829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8260D	
460-311172-2	FB_09112024	Total/NA	Water	8260D	
460-311172-3	TB_09112024	Total/NA	Water	8260D	
MB 460-995829/8	Method Blank	Total/NA	Water	8260D	
LCS 460-995829/4	Lab Control Sample	Total/NA	Water	8260D	
460-310812-A-2 MS	Matrix Spike	Total/NA	Water	8260D	
460-310812-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 995440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	3510C	
460-311172-2	FB_09112024	Total/NA	Water	3510C	
MB 460-995440/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995440/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995440/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 995542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8270E SIM ID	995440
460-311172-2	FB_09112024	Total/NA	Water	8270E SIM ID	995440
MB 460-995440/1-A	Method Blank	Total/NA	Water	8270E SIM ID	995440
LCS 460-995440/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	995440
LCSD 460-995440/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	995440

Prep Batch: 995676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	3510C	
460-311172-2	FB_09112024	Total/NA	Water	3510C	
MB 460-995676/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995676/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995676/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 995763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8270E	995676
460-311172-2	FB_09112024	Total/NA	Water	8270E	995676
MB 460-995676/1-A	Method Blank	Total/NA	Water	8270E	995676
LCS 460-995676/2-A	Lab Control Sample	Total/NA	Water	8270E	995676
LCSD 460-995676/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	995676

GC Semi VOA

Prep Batch: 995329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	3510C	
460-311172-2	FB_09112024	Total/NA	Water	3510C	
MB 460-995329/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995329/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995329/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311114-E-5-A MS	Matrix Spike	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 995329 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311114-E-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Prep Batch: 995331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	3510C	
460-311172-2	FB_09112024	Total/NA	Water	3510C	
MB 460-995331/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995331/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995331/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311118-F-7-A MS	Matrix Spike	Total/NA	Water	3510C	
460-311118-H-7-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 995374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995329/1-A	Method Blank	Total/NA	Water	8081B	995329
LCS 460-995329/2-A	Lab Control Sample	Total/NA	Water	8081B	995329
LCSD 460-995329/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	995329

Analysis Batch: 995378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995331/1-A	Method Blank	Total/NA	Water	8082A	995331
LCS 460-995331/2-A	Lab Control Sample	Total/NA	Water	8082A	995331
LCSD 460-995331/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	995331

Analysis Batch: 995497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8082A	995331
460-311172-2	FB_09112024	Total/NA	Water	8082A	995331
460-311118-F-7-A MS	Matrix Spike	Total/NA	Water	8082A	995331
460-311118-H-7-A MSD	Matrix Spike Duplicate	Total/NA	Water	8082A	995331

Analysis Batch: 995585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8081B	995329
460-311172-2	FB_09112024	Total/NA	Water	8081B	995329

Analysis Batch: 995588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311114-E-5-A MS	Matrix Spike	Total/NA	Water	8081B	995329
460-311114-E-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	8081B	995329

Metals

Prep Batch: 995473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	7470A	
460-311172-2	FB_09112024	Total/NA	Water	7470A	
MB 460-995473/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-995473/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-310685-C-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
460-310685-F-2-H MS	Matrix Spike	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 995473 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-310685-J-2-B DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 995489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Dissolved	Water	6020B	995570
MB 460-995570/1-A	Method Blank	Total Recoverable	Water	6020B	995570
LCS 460-995570/2-A	Lab Control Sample	Total Recoverable	Water	6020B	995570
460-311114-D-5-C MS	Matrix Spike	Dissolved	Water	6020B	995570
460-311114-D-5-D MSD	Matrix Spike Duplicate	Dissolved	Water	6020B	995570
460-311114-D-5-B DU	Duplicate	Dissolved	Water	6020B	995570

Analysis Batch: 995512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	7470A	995473
460-311172-2	FB_09112024	Total/NA	Water	7470A	995473
MB 460-995473/1-A	Method Blank	Total/NA	Water	7470A	995473
LCS 460-995473/2-A	Lab Control Sample	Total/NA	Water	7470A	995473
460-310685-C-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	995473
460-310685-F-2-H MS	Matrix Spike	Total/NA	Water	7470A	995473
460-310685-J-2-B DU	Duplicate	Total/NA	Water	7470A	995473

Prep Batch: 995570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Dissolved	Water	3005A	
MB 460-995570/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-995570/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311114-D-5-C MS	Matrix Spike	Dissolved	Water	3005A	
460-311114-D-5-D MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	
460-311114-D-5-B DU	Duplicate	Dissolved	Water	3005A	

Prep Batch: 995708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Dissolved	Water	7470A	
MB 460-995708/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-995708/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-311172-1 MS	RXTW-4	Dissolved	Water	7470A	
460-311172-1 DU	RXTW-4	Dissolved	Water	7470A	

Analysis Batch: 995745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Dissolved	Water	7470A	995708
MB 460-995708/1-A	Method Blank	Total/NA	Water	7470A	995708
LCS 460-995708/3-A	Lab Control Sample	Total/NA	Water	7470A	995708
460-311172-1 MS	RXTW-4	Dissolved	Water	7470A	995708
460-311172-1 DU	RXTW-4	Dissolved	Water	7470A	995708

Prep Batch: 995809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total Recoverable	Water	3005A	
460-311172-2	FB_09112024	Total Recoverable	Water	3005A	
MB 460-995809/1-A	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 995809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-995809/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311253-E-1-D MS	Matrix Spike	Total Recoverable	Water	3005A	
460-311253-E-1-C DU	Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 996107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total Recoverable	Water	6020B	995809
460-311172-2	FB_09112024	Total Recoverable	Water	6020B	995809
MB 460-995809/1-A	Method Blank	Total Recoverable	Water	6020B	995809
LCS 460-995809/2-A	Lab Control Sample	Total Recoverable	Water	6020B	995809
460-311253-E-1-D MS	Matrix Spike	Total Recoverable	Water	6020B	995809
460-311253-E-1-C DU	Duplicate	Total Recoverable	Water	6020B	995809

Filtration Batch: 996343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	FILTRATION	
MB 460-996343/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 996345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	7470A	996343
MB 460-996343/1-B	Method Blank	Dissolved	Water	7470A	996343
LCS 460-996345/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-311357-F-2-C MS	Matrix Spike	Dissolved	Water	7470A	
460-311357-F-2-D MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	
460-311357-F-2-B DU	Duplicate	Dissolved	Water	7470A	

Analysis Batch: 996348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	6020B	996458
MB 460-996456/1-B	Method Blank	Dissolved	Water	6020B	996458
LCS 460-996458/10-A	Lab Control Sample	Total Recoverable	Water	6020B	996458
460-311255-A-1-AD MS	Matrix Spike	Dissolved	Water	6020B	996458
460-311255-A-1-AE MSD	Matrix Spike Duplicate	Dissolved	Water	6020B	996458
460-311255-A-1-AC DU	Duplicate	Dissolved	Water	6020B	996458

Analysis Batch: 996384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	7470A	996345
MB 460-996343/1-B	Method Blank	Dissolved	Water	7470A	996345
LCS 460-996345/3-A	Lab Control Sample	Total/NA	Water	7470A	996345
460-311357-F-2-C MS	Matrix Spike	Dissolved	Water	7470A	996345
460-311357-F-2-D MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	996345
460-311357-F-2-B DU	Duplicate	Dissolved	Water	7470A	996345

Filtration Batch: 996456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	FILTRATION	
MB 460-996456/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-311255-A-1-AD MS	Matrix Spike	Dissolved	Water	FILTRATION	
460-311255-A-1-AE MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	

Metals (Continued)

Filtration Batch: 996456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311255-A-1-AC DU	Duplicate	Dissolved	Water	FILTRATION	

Prep Batch: 996458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	3005A	996456
MB 460-996456/1-B	Method Blank	Dissolved	Water	3005A	996456
LCS 460-996458/10-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311255-A-1-AD MS	Matrix Spike	Dissolved	Water	3005A	996456
460-311255-A-1-AE MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	996456
460-311255-A-1-AC DU	Duplicate	Dissolved	Water	3005A	996456

Analysis Batch: 996599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	6020B	996458
MB 460-996456/1-B	Method Blank	Dissolved	Water	6020B	996458
LCS 460-996458/10-A	Lab Control Sample	Total Recoverable	Water	6020B	996458

General Chemistry

Analysis Batch: 995366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	7196A	
460-311172-2	FB_09112024	Total/NA	Water	7196A	
MB 460-995366/10	Method Blank	Total/NA	Water	7196A	
LCSSRM 460-995366/11	Lab Control Sample	Total/NA	Water	7196A	
MRL 460-995366/9	Lab Control Sample	Total/NA	Water	7196A	
460-311172-1 MS	RXTW-4	Total/NA	Water	7196A	
460-311172-1 DU	RXTW-4	Total/NA	Water	7196A	

Analysis Batch: 995694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	7196A	
460-311172-2	FB_09112024	Total/NA	Water	7196A	

Prep Batch: 995993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995993/12-A	Method Blank	Total/NA	Water	9012B	
MRL 460-995993/11-A	Lab Control Sample	Total/NA	Water	9012B	

Prep Batch: 995994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	9012B	
460-311172-2	FB_09112024	Total/NA	Water	9012B	
MB 460-995994/1-A	Method Blank	Total/NA	Water	9012B	
LCS 460-995994/2-A	Lab Control Sample	Total/NA	Water	9012B	
460-311270-D-11-B MS	Matrix Spike	Total/NA	Water	9012B	
460-311270-D-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

Analysis Batch: 996001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	9012B	995994

General Chemistry (Continued)

Analysis Batch: 996001 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Total/NA	Water	9012B	995994
MB 460-995993/12-A	Method Blank	Total/NA	Water	9012B	995993
MB 460-995994/1-A	Method Blank	Total/NA	Water	9012B	995994
LCS 460-995994/2-A	Lab Control Sample	Total/NA	Water	9012B	995994
MRL 460-995993/11-A	Lab Control Sample	Total/NA	Water	9012B	995993
460-311270-D-11-B MS	Matrix Spike	Total/NA	Water	9012B	995994
460-311270-D-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	995994

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXTW-4
Lab Sample ID: 460-311172-1
Date Collected: 09/11/24 13:40
Matrix: Water
Date Received: 09/11/24 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995829	SZD	EET EDI	09/14/24 11:07
Total/NA	Prep	3510C			995676	NMP	EET EDI	09/13/24 11:14
Total/NA	Analysis	8270E		1	995763	YAH	EET EDI	09/13/24 23:02
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/12/24 09:23
Total/NA	Analysis	8270E SIM ID		1	995542	MME	EET EDI	09/12/24 22:11
Total/NA	Prep	3510C			995329	JMS	EET EDI	09/12/24 09:51
Total/NA	Analysis	8081B		1	995585	FAM	EET EDI	09/13/24 08:24
Total/NA	Prep	3510C			995331	JMS	EET EDI	09/12/24 09:54
Total/NA	Analysis	8082A		1	995497	AAA	EET EDI	09/12/24 18:16
Dissolved	Prep	3005A			995570	VAD	EET EDI	09/12/24 21:51
Dissolved	Analysis	6020B		1	995489	CDC	EET EDI	09/12/24 23:49
Total Recoverable	Prep	3005A			995809	GAE	EET EDI	09/13/24 22:35
Total Recoverable	Analysis	6020B		1	996107	MDC	EET EDI	09/16/24 11:32
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:11
Total/NA	Prep	7470A			995473	RBS	EET EDI	09/12/24 11:39
Total/NA	Analysis	7470A		1	995512	RBS	EET EDI	09/12/24 14:40
Total/NA	Analysis	7196A		1	995694	LBD	EET EDI	09/13/24 13:10
Total/NA	Analysis	7196A		1	995366	VBG	EET EDI	09/12/24 01:28
Total/NA	Prep	9012B			995994	VBG	EET EDI	09/15/24 16:12
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 19:16

Client Sample ID: FB_09112024
Lab Sample ID: 460-311172-2
Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995829	SZD	EET EDI	09/14/24 10:28
Total/NA	Prep	3510C			995676	NMP	EET EDI	09/13/24 11:14
Total/NA	Analysis	8270E		1	995763	YAH	EET EDI	09/13/24 23:23
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/12/24 09:23
Total/NA	Analysis	8270E SIM ID		1	995542	MME	EET EDI	09/12/24 22:26
Total/NA	Prep	3510C			995329	JMS	EET EDI	09/12/24 09:51
Total/NA	Analysis	8081B		1	995585	FAM	EET EDI	09/13/24 08:36
Total/NA	Prep	3510C			995331	JMS	EET EDI	09/12/24 09:54
Total/NA	Analysis	8082A		1	995497	AAA	EET EDI	09/12/24 18:32
Dissolved	Filtration	FILTRATION			996456	VAD	EET EDI	09/18/24 00:31
Dissolved	Prep	3005A			996458	VAD	EET EDI	09/18/24 00:33
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/18/24 02:04
Dissolved	Filtration	FILTRATION			996456	VAD	EET EDI	09/18/24 00:31
Dissolved	Prep	3005A			996458	VAD	EET EDI	09/18/24 00:33
Dissolved	Analysis	6020B		1	996599	CDC	EET EDI	09/18/24 13:46
Total Recoverable	Prep	3005A			995809	GAE	EET EDI	09/13/24 22:35
Total Recoverable	Analysis	6020B		1	996107	MDC	EET EDI	09/16/24 10:34

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Client Sample ID: FB_09112024
Lab Sample ID: 460-311172-2

Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			996343	RBS	EET EDI	09/17/24 14:09
Dissolved	Prep	7470A			996345	RBS	EET EDI	09/17/24 14:19
Dissolved	Analysis	7470A		1	996384	RBS	EET EDI	09/17/24 16:32
Total/NA	Prep	7470A			995473	RBS	EET EDI	09/12/24 11:39
Total/NA	Analysis	7470A		1	995512	RBS	EET EDI	09/12/24 14:42
Total/NA	Analysis	7196A		1	995694	LBD	EET EDI	09/15/24 21:35
Total/NA	Analysis	7196A		1	995366	VBG	EET EDI	09/12/24 01:28
Total/NA	Prep	9012B			995994	VBG	EET EDI	09/15/24 16:12
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 19:17

Client Sample ID: TB_09112024
Lab Sample ID: 460-311172-3

Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995829	SZD	EET EDI	09/14/24 10:47

Laboratory References:

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Edison

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
7196A		Water	Cr (III)
8270E	3510C	Water	3 & 4 Methylphenol

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7196A	Chromium, Hexavalent	SW846	EET EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI
FILTRATION	Sample Filtration	None	EET EDI

Protocol References:

None = None

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

Laboratory References:

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

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311172-1	RXTW-4	Water	09/11/24 13:40	09/11/24 18:15
460-311172-2	FB_09112024	Water	09/11/24 13:50	09/11/24 18:15
460-311172-3	TB_09112024	Water	09/11/24 13:50	09/11/24 18:15

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 22

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: EMERY LOVELAMP	Lab PM: Flannery, Elizabeth J	Carrier Tracking No(s):
Client Contact: Lauren Dolginko	Phone: 724-770-6813	E-Mail: Elizabeth Flannery@et eurofinsus com	State of Origin:
Company: Roux Environmental Eng & Geology DPC	PWSID:		COC No: 460-185738-121604 1
Address: 209 Shafter St	Due Date Requested: STANDARD		Page: Page 1 of 1
City: Islandia	TAT Requested (days): Standard		Job #: 311172
State Zip: NY, 11749	Compliance Project: Δ Yes Δ No		
Phone: 631-232-2600	PO #: Purchase Order Requested		
Email: ldolginko@rouxinc com	WO #: 2828 W 28th Street		
Project Name: 2828 W 28th Street	Project #: 46044510		
Site: 2828 W 28TH ST	SSOW#:		

Analysis Requested

Preservation Codes:
N - None
D - HNO3
A - HCL
B - NaOH

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil BT=Tissue A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B - Pesticides, 8082A - PCBs	8270E_SIM_MS_ID - 1,4-Dioxane (GC/MS SIM / Isotope Dilutio	8270E - ~~TCL~~ Part 375 BNAs	7196A - Hex Chrome, 7196A_CR3- Tri Chrome	6020B - Part 375 Metals, 7470A - Mercury/6020B - Dissolved Part 375 Metals (Field Filtered), 7470 - Diss. Mercury (Field Filtered)	8260D - ~~TCL~~ Part 375 VOCs	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N	D	A	B		
RXTW-4	9/11/24	1340	G	W	N	N	X	X	X	X	X	X	X	4	DISS METALS FIELD FILTERED
FB_09112024	9/11/24	1350	G	W	N	N	X	X	X	X	X	X	X	5	
[redacted] TB_09112024	5/29/24	—	—	W	N	N						X		2	

SHORT HOLD

460-311172 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:		
Relinquished by:	Date/Time: 9/11/24 1430	Company: Roux	Received by:	Date/Time: 9/11/24 1500	Company: ET
Relinquished by	Date/Time	Company	Received by	Date/Time: 9-11-24 16:00	Company: ET
Relinquished by:	Date/Time: 9-11-24 1815	Company: ET	Received by:	Date/Time: 9/11/24 1815	Company: ET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks

NOCS ER #9 1.5/1.7

Ver: 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 311172

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.5 °C	1.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				12								712			
2				12								712			

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

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

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

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

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

Initials: _____ Date: 9-11-24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311172-1

Login Number: 311172

List Source: Eurofins Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Refer to Job Narrative for details.
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 10/16/2024 3:34:55 PM Revision 1

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311253-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Eurofins Edison

Job Notes

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

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

Compliance Statement

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

Authorization

Generated
10/16/2024 3:34:55 PM
Revision 1

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

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates analyzed for but not detected.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-311253-1

REVISION

The report being provided is a revision of the original report sent on 9/19/2024. The report (revision 1) is being revised due to Correcting compound list to Part 375 only..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/12/2024 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.1°C and 1.2°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3), TB_09122024 (460-311253-4) and Dup_09122024 (460-311253-5) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 9/13/2024 and 9/16/2024 and analyzed on 9/15/2024, 9/16/2024 and 9/17/2024.

The continuing calibration verification (CCV) associated with batch 460-996032 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The method blank for analytical batch 460-996032 contained 1,2,4-Trichlorobenzene and Methylene Chloride above the method detection limit. These target analytes concentration was less than the reporting limit (RL) in the method blank; therefore, re-analysis of samples was not performed.

The continuing calibration verification (CCV) associated with batch 460-996003 recovered above the upper control limit for Isopropylbenzene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The method blank for analytical batch 460-996003 contained Methylene Chloride above the reporting limit (RL). This compound is considered a common laboratory contaminant. The associated samples were not re-analyzed because the concentration of the common lab contaminant in the method blank was less than 5 times the RL.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 9/13/2024 and analyzed on 9/14/2024.

The continuing calibration verification (CCV) analyzed in batch 460-995765 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane], 2-Nitroaniline, 4-Methylphenol and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-995677 and analytical batch 460-995765 recovered outside control limits for the following analytes: Atrazine and Benzaldehyde. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Job ID: 460-311253-1 (Continued) Eurofins Edison

Method 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution). The samples were prepared on 9/13/2024 and analyzed on 9/15/2024.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 9/14/2024 and analyzed on 9/16/2024.

Method 8081B - Organochlorine Pesticides (GC)
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 9/14/2024 and analyzed on 9/16/2024.

The laboratory control sample duplicate (LCSD) for preparation batch 460-995875 and analytical batch 460-996147 recovered outside control limits for Endosulfan I on the primary column. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.
(LCSD 460-995875/3-A)

The surrogates Tetrachloro-m-xylene and DCB Decachlorobiphenyl recovery for the blank associated with preparation batch 460-995872 and 460-995875 and analytical batch 460-996147 was outside the upper control limits.
(MB 460-995872/1-B)

Surrogates Tetrachloro-m-xylene and DCB Decachlorobiphenyl recovery for the following samples were outside the upper control limit: RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 6020B - Metals (ICP/MS) - Dissolved
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 9/16/2024 and analyzed on 9/17/2024.

Method 6020B - Metals (ICP/MS) - Total Recoverable
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Metals (ICP/MS) - Total Recoverable. The samples were prepared on 9/13/2024 and analyzed on 9/16/2024.

Method 7470A - Mercury (CVAA)
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 9/13/2024.

Method 7470A - Mercury (CVAA) - Dissolved
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared and analyzed on 9/13/2024.

Method 7196A - Chromium, Hexavalent
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Chromium, Hexavalent. The samples were prepared on 9/13/2024 and analyzed on 9/13/2024 and 9/16/2024.

Method 7196A - Chromium, Trivalent (Colorimetric)
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Chromium, Trivalent (Colorimetric). The samples were analyzed on 9/17/2024.

Method 9012B - Cyanide, Total andor Amenable
Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Cyanide, Total andor Amenable. The samples were prepared and analyzed on 9/17/2024.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXTW-3 — Lab Sample ID: 460-311253-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	36.9		4.0	0.93	ug/L	1		6020B	Total Recoverable
Lead	0.95	J	1.2	0.42	ug/L	1		6020B	Total Recoverable
Manganese	60.3		8.0	0.84	ug/L	1		6020B	Total Recoverable
Zinc	27.3		16.0	4.2	ug/L	1		6020B	Total Recoverable
Antimony	0.88	J	2.0	0.48	ug/L	1		6020B	Dissolved
Arsenic	4.4		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	36.1		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	78700		500	31.7	ug/L	1		6020B	Dissolved
Iron	1550		120	33.7	ug/L	1		6020B	Dissolved
Magnesium	9260		200	21.8	ug/L	1		6020B	Dissolved
Manganese	63.2		8.0	0.84	ug/L	1		6020B	Dissolved
Potassium	6460		200	83.3	ug/L	1		6020B	Dissolved
Sodium	32100		500	180	ug/L	1		6020B	Dissolved
Zinc	20.8		16.0	4.2	ug/L	1		6020B	Dissolved

Client Sample ID: RXTW-2 — Lab Sample ID: 460-311253-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.39	J B	1.0	0.32	ug/L	1		8260D	Total/NA
Arsenic	3.4		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	152		4.0	0.93	ug/L	1		6020B	Total Recoverable
Lead	1.1	J	1.2	0.42	ug/L	1		6020B	Total Recoverable
Manganese	76.0		8.0	0.84	ug/L	1		6020B	Total Recoverable
Nickel	1.4	J	4.0	1.4	ug/L	1		6020B	Total Recoverable
Zinc	8.5	J	16.0	4.2	ug/L	1		6020B	Total Recoverable
Antimony	1.8	J	2.0	0.48	ug/L	1		6020B	Dissolved
Arsenic	4.5		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	133		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	111000		500	31.7	ug/L	1		6020B	Dissolved
Cobalt	0.56	J	4.0	0.41	ug/L	1		6020B	Dissolved
Iron	449		120	33.7	ug/L	1		6020B	Dissolved
Lead	2.0		1.2	0.42	ug/L	1		6020B	Dissolved
Magnesium	14100		200	21.8	ug/L	1		6020B	Dissolved
Manganese	54.6		8.0	0.84	ug/L	1		6020B	Dissolved
Nickel	1.9	J	4.0	1.4	ug/L	1		6020B	Dissolved
Potassium	5710		200	83.3	ug/L	1		6020B	Dissolved
Sodium	28200		500	180	ug/L	1		6020B	Dissolved
Vanadium	1.2	J	4.0	1.0	ug/L	1		6020B	Dissolved
Zinc	77.4		16.0	4.2	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXTW-6
Lab Sample ID: 460-311253-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.35	J B	1.0	0.32	ug/L	1		8260D	Total/NA
Arsenic	3.4		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	143		4.0	0.93	ug/L	1		6020B	Total Recoverable
Lead	6.3		1.2	0.42	ug/L	1		6020B	Total Recoverable
Manganese	41.4		8.0	0.84	ug/L	1		6020B	Total Recoverable
Nickel	2.2	J	4.0	1.4	ug/L	1		6020B	Total Recoverable
Zinc	89.2		16.0	4.2	ug/L	1		6020B	Total Recoverable
Antimony	0.78	J	2.0	0.48	ug/L	1		6020B	Dissolved
Arsenic	3.3		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	165		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	94900		500	31.7	ug/L	1		6020B	Dissolved
Iron	222		120	33.7	ug/L	1		6020B	Dissolved
Magnesium	73300		200	21.8	ug/L	1		6020B	Dissolved
Manganese	69.5		8.0	0.84	ug/L	1		6020B	Dissolved
Potassium	20900		200	83.3	ug/L	1		6020B	Dissolved
Sodium	358000		500	180	ug/L	1		6020B	Dissolved
Vanadium	1.0	J	4.0	1.0	ug/L	1		6020B	Dissolved
Zinc	5.0	J	16.0	4.2	ug/L	1		6020B	Dissolved

Client Sample ID: TB_09122024
Lab Sample ID: 460-311253-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.74	J B	1.0	0.32	ug/L	1		8260D	Total/NA

Client Sample ID: Dup_09122024
Lab Sample ID: 460-311253-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.35	J B	1.0	0.32	ug/L	1		8260D	Total/NA
Arsenic	3.6		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	142		4.0	0.93	ug/L	1		6020B	Total Recoverable
Chromium	2.4	J	4.0	1.7	ug/L	1		6020B	Total Recoverable
Lead	1.5		1.2	0.42	ug/L	1		6020B	Total Recoverable
Manganese	80.4		8.0	0.84	ug/L	1		6020B	Total Recoverable
Nickel	1.6	J	4.0	1.4	ug/L	1		6020B	Total Recoverable
Zinc	10.2	J	16.0	4.2	ug/L	1		6020B	Total Recoverable
Antimony	0.93	J	2.0	0.48	ug/L	1		6020B	Dissolved
Arsenic	3.3		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	168		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	92200		500	31.7	ug/L	1		6020B	Dissolved
Iron	237		120	33.7	ug/L	1		6020B	Dissolved
Magnesium	73300		200	21.8	ug/L	1		6020B	Dissolved
Manganese	70.4		8.0	0.84	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: Dup_09122024 (Continued)
Lab Sample ID: 460-311253-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	21000		200	83.3	ug/L	1		6020B	Dissolved
Sodium	345000		500	180	ug/L	1		6020B	Dissolved
Zinc	7.1	J	16.0	4.2	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXTW-3
Lab Sample ID: 460-311253-1
Date Collected: 09/12/24 09:35
Matrix: Water
Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/16/24 17:30	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 17:30	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 17:30	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 17:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 17:30	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 17:30	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 17:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 17:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 17:30	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 17:30	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 17:30	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 17:30	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 17:30	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 17:30	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 17:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 17:30	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 17:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 17:30	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/16/24 17:30	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 17:30	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 17:30	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 17:30	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 17:30	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 17:30	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 17:30	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 17:30	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 17:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 17:30	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 17:30	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 17:30	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*		*09/16/24 17:30*	*1*
4-Bromofluorobenzene	*111*		*76 - 120*		*09/16/24 17:30*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 132*		*09/16/24 17:30*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*09/16/24 17:30*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/13/24 09:09	09/15/24 15:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 150*	*09/13/24 09:09*	*09/15/24 15:18*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:23	09/14/24 02:07	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:23	09/14/24 02:07	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:07	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:23	09/14/24 02:07	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXTW-3
Lab Sample ID: 460-311253-1
Date Collected: 09/12/24 09:35
Matrix: Water
Date Received: 09/12/24 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:23	09/14/24 02:07	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:23	09/14/24 02:07	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:23	09/14/24 02:07	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:07	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:23	09/14/24 02:07	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:23	09/14/24 02:07	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:23	09/14/24 02:07	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:23	09/14/24 02:07	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:23	09/14/24 02:07	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:23	09/14/24 02:07	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:07	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:23	09/14/24 02:07	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:23	09/14/24 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*37 - 150*	*09/13/24 11:23*	*09/14/24 02:07*	*1*
2-Fluorobiphenyl	*66*		*46 - 139*	*09/13/24 11:23*	*09/14/24 02:07*	*1*
2-Fluorophenol (Surr)	*50*		*16 - 80*	*09/13/24 11:23*	*09/14/24 02:07*	*1*
Nitrobenzene-d5 (Surr)	*68*		*51 - 145*	*09/13/24 11:23*	*09/14/24 02:07*	*1*
Phenol-d5 (Surr)	*37*		*10 - 56*	*09/13/24 11:23*	*09/14/24 02:07*	*1*
Terphenyl-d14 (Surr)	*48*		*13 - 159*	*09/13/24 11:23*	*09/14/24 02:07*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:21	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:21	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:21	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:21	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 23:21	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 23:21	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 23:21	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:21	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:21	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:21	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 23:21	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:21	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:21	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:21	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 23:21	1

Client Sample ID: RXTW-3
Date Collected: 09/12/24 09:35
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*122*		*30 - 131*	*09/14/24 11:29*	*09/16/24 23:21*	*1*
DCB Decachlorobiphenyl	*128*		*30 - 131*	*09/14/24 11:29*	*09/16/24 23:21*	*1*
Tetrachloro-m-xylene	*119*		*34 - 120*	*09/14/24 11:29*	*09/16/24 23:21*	*1*
Tetrachloro-m-xylene	*118*		*34 - 120*	*09/14/24 11:29*	*09/16/24 23:21*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 11:57	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*18 - 145*	*09/14/24 11:42*	*09/16/24 11:57*	*1*
DCB Decachlorobiphenyl	*89*		*18 - 145*	*09/14/24 11:42*	*09/16/24 11:57*	*1*
Tetrachloro-m-xylene	*88*		*21 - 124*	*09/14/24 11:42*	*09/16/24 11:57*	*1*
Tetrachloro-m-xylene	*84*		*21 - 124*	*09/14/24 11:42*	*09/16/24 11:57*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**		2.0	1.2	ug/L		09/13/24 22:35	09/16/24 10:21	1
Barium	**36.9**		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 10:21	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 10:21	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 10:21	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 10:21	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 10:21	1
Lead	**0.95**	**J**	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 10:21	1
Manganese	**60.3**		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 10:21	1
Nickel	4.0	U	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 10:21	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 10:21	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 10:21	1
Zinc	**27.3**		16.0	4.2	ug/L		09/13/24 22:35	09/16/24 10:21	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/16/24 23:41	09/17/24 19:27	1
Antimony	**0.88**	**J**	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 00:47	1
Arsenic	**4.4**		2.0	1.2	ug/L		09/16/24 23:41	09/17/24 00:47	1
Barium	**36.1**		4.0	0.93	ug/L		09/16/24 23:41	09/17/24 00:47	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 00:47	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 00:47	1
Calcium	**78700**		500	31.7	ug/L		09/16/24 23:41	09/17/24 00:47	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 00:47	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 00:47	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 00:47	1

Client Sample ID: RXTW-3
Lab Sample ID: 460-311253-1
Date Collected: 09/12/24 09:35
Matrix: Water
Date Received: 09/12/24 19:00

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1550**		120	33.7	ug/L		09/16/24 23:41	09/17/24 00:47	1
Lead	1.2	U	1.2	0.42	ug/L		09/16/24 23:41	09/17/24 00:47	1
Magnesium	**9260**		200	21.8	ug/L		09/16/24 23:41	09/17/24 00:47	1
Manganese	**63.2**		8.0	0.84	ug/L		09/16/24 23:41	09/17/24 00:47	1
Nickel	4.0	U	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 00:47	1
Potassium	**6460**		200	83.3	ug/L		09/16/24 23:41	09/17/24 00:47	1
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 00:47	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 00:47	1
Sodium	**32100**		500	180	ug/L		09/16/24 23:41	09/17/24 00:47	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 00:47	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 00:47	1
Zinc	**20.8**		16.0	4.2	ug/L		09/16/24 23:41	09/17/24 00:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 11:44	09/13/24 14:57	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 14:48	09/13/24 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/17/24 06:48	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 08:40	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:26	1

Client Sample ID: RXTW-2
Lab Sample ID: 460-311253-2
Date Collected: 09/12/24 12:30
Matrix: Water
Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/16/24 01:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 01:25	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 01:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 01:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 01:25	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 01:25	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 01:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 01:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 01:25	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 01:25	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 01:25	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 01:25	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 01:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 01:25	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 01:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 01:25	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 01:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 01:25	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXTW-2
Lab Sample ID: 460-311253-2
Date Collected: 09/12/24 12:30
Matrix: Water
Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**0.39**	**J B**	1.0	0.32	ug/L			09/16/24 01:25	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 01:25	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 01:25	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 01:25	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 01:25	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 01:25	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 01:25	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 01:25	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 01:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 01:25	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 01:25	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 01:25	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*		*09/16/24 01:25*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*09/16/24 01:25*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 132*		*09/16/24 01:25*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*09/16/24 01:25*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/13/24 09:09	09/15/24 15:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*10 - 150*	*09/13/24 09:09*	*09/15/24 15:34*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:23	09/14/24 02:28	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:23	09/14/24 02:28	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:28	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:23	09/14/24 02:28	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:23	09/14/24 02:28	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:23	09/14/24 02:28	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:23	09/14/24 02:28	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:28	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:23	09/14/24 02:28	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:23	09/14/24 02:28	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:23	09/14/24 02:28	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:23	09/14/24 02:28	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:23	09/14/24 02:28	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:23	09/14/24 02:28	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:28	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:23	09/14/24 02:28	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:23	09/14/24 02:28	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311253-1

Client Sample ID: RXTW-2
Date Collected: 09/12/24 12:30
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*37 - 150*	*09/13/24 11:23*	*09/14/24 02:28*	*1*
2-Fluorobiphenyl	*67*		*46 - 139*	*09/13/24 11:23*	*09/14/24 02:28*	*1*
2-Fluorophenol (Surr)	*28*		*16 - 80*	*09/13/24 11:23*	*09/14/24 02:28*	*1*
Nitrobenzene-d5 (Surr)	*67*		*51 - 145*	*09/13/24 11:23*	*09/14/24 02:28*	*1*
Phenol-d5 (Surr)	*20*		*10 - 56*	*09/13/24 11:23*	*09/14/24 02:28*	*1*
Terphenyl-d14 (Surr)	*56*		*13 - 159*	*09/13/24 11:23*	*09/14/24 02:28*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:33	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:33	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:33	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:33	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 23:33	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 23:33	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 23:33	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:33	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:33	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:33	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 23:33	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:33	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:33	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:33	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*30 - 131*	*09/14/24 11:29*	*09/16/24 23:33*	*1*
DCB Decachlorobiphenyl	*109*		*30 - 131*	*09/14/24 11:29*	*09/16/24 23:33*	*1*
Tetrachloro-m-xylene	*112*		*34 - 120*	*09/14/24 11:29*	*09/16/24 23:33*	*1*
Tetrachloro-m-xylene	*103*		*34 - 120*	*09/14/24 11:29*	*09/16/24 23:33*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:19	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1

Client Sample ID: RXTW-2
Date Collected: 09/12/24 12:30
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*102*		*18 - 145*	*09/14/24 11:42*	*09/16/24 12:19*	*1*
DCB Decachlorobiphenyl	*90*		*18 - 145*	*09/14/24 11:42*	*09/16/24 12:19*	*1*
Tetrachloro-m-xylene	*90*		*21 - 124*	*09/14/24 11:42*	*09/16/24 12:19*	*1*
Tetrachloro-m-xylene	*87*		*21 - 124*	*09/14/24 11:42*	*09/16/24 12:19*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.4**		2.0	1.2	ug/L		09/13/24 22:35	09/16/24 12:32	1
Barium	**152**		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 12:32	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 12:32	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 12:32	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 12:32	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 12:32	1
Lead	**1.1**	**J**	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 12:32	1
Manganese	**76.0**		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 12:32	1
Nickel	**1.4**	**J**	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 12:32	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 12:32	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 12:32	1
Zinc	**8.5**	**J**	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 12:32	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/16/24 23:41	09/17/24 19:32	1
Antimony	**1.8**	**J**	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 00:52	1
Arsenic	**4.5**		2.0	1.2	ug/L		09/16/24 23:41	09/17/24 00:52	1
Barium	**133**		4.0	0.93	ug/L		09/16/24 23:41	09/17/24 00:52	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 00:52	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 00:52	1
Calcium	**111000**		500	31.7	ug/L		09/16/24 23:41	09/17/24 00:52	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 00:52	1
Cobalt	**0.56**	**J**	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 00:52	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 00:52	1
Iron	**449**		120	33.7	ug/L		09/16/24 23:41	09/17/24 00:52	1
Lead	**2.0**		1.2	0.42	ug/L		09/16/24 23:41	09/17/24 00:52	1
Magnesium	**14100**		200	21.8	ug/L		09/16/24 23:41	09/17/24 00:52	1
Manganese	**54.6**		8.0	0.84	ug/L		09/16/24 23:41	09/17/24 00:52	1
Nickel	**1.9**	**J**	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 00:52	1
Potassium	**5710**		200	83.3	ug/L		09/16/24 23:41	09/17/24 00:52	1
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 00:52	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 00:52	1
Sodium	**28200**		500	180	ug/L		09/16/24 23:41	09/17/24 00:52	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 00:52	1
Vanadium	**1.2**	**J**	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 00:52	1
Zinc	**77.4**		16.0	4.2	ug/L		09/16/24 23:41	09/17/24 00:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 11:44	09/13/24 14:59	1

Client Sample ID: RXTW-2
Lab Sample ID: 460-311253-2
Date Collected: 09/12/24 12:30
Matrix: Water
Date Received: 09/12/24 19:00

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 14:48	09/13/24 15:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/17/24 06:48	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 08:40	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:27	1

Client Sample ID: RXTW-6
Lab Sample ID: 460-311253-3
Date Collected: 09/12/24 13:45
Matrix: Water
Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/16/24 01:45	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 01:45	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 01:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 01:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 01:45	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 01:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 01:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 01:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 01:45	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 01:45	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 01:45	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 01:45	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 01:45	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 01:45	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 01:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 01:45	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 01:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 01:45	1
Methylene Chloride	**0.35**	**J B**	1.0	0.32	ug/L			09/16/24 01:45	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 01:45	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 01:45	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 01:45	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 01:45	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 01:45	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 01:45	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 01:45	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 01:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 01:45	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 01:45	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 01:45	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*		*09/16/24 01:45*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*09/16/24 01:45*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 132*		*09/16/24 01:45*	*1*

Client Sample ID: RXTW-6
Lab Sample ID: 460-311253-3
Date Collected: 09/12/24 13:45
Matrix: Water
Date Received: 09/12/24 19:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*93*		*80 - 120*		*09/16/24 01:45*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/13/24 09:09	09/15/24 15:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	*27*		*10 - 150*	*09/13/24 09:09*	*09/15/24 15:50*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:23	09/14/24 02:48	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:23	09/14/24 02:48	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:48	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:23	09/14/24 02:48	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:23	09/14/24 02:48	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:23	09/14/24 02:48	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:23	09/14/24 02:48	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:48	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:23	09/14/24 02:48	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:23	09/14/24 02:48	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:23	09/14/24 02:48	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:23	09/14/24 02:48	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:23	09/14/24 02:48	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:23	09/14/24 02:48	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:48	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:23	09/14/24 02:48	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:23	09/14/24 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*47*		*37 - 150*	*09/13/24 11:23*	*09/14/24 02:48*	*1*
2-Fluorobiphenyl	*55*		*46 - 139*	*09/13/24 11:23*	*09/14/24 02:48*	*1*
2-Fluorophenol (Surr)	*26*		*16 - 80*	*09/13/24 11:23*	*09/14/24 02:48*	*1*
Nitrobenzene-d5 (Surr)	*58*		*51 - 145*	*09/13/24 11:23*	*09/14/24 02:48*	*1*
Phenol-d5 (Surr)	*19*		*10 - 56*	*09/13/24 11:23*	*09/14/24 02:48*	*1*
Terphenyl-d14 (Surr)	*36*		*13 - 159*	*09/13/24 11:23*	*09/14/24 02:48*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:46	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:46	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:46	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:46	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 23:46	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 23:46	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 23:46	1

Client Sample ID: RXTW-6
Date Collected: 09/12/24 13:45
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-3
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:46	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:46	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:46	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 23:46	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:46	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:46	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:46	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*128*		*30 - 131*	*09/14/24 11:29*	*09/16/24 23:46*	*1*
DCB Decachlorobiphenyl	*138*	*	*30 - 131*	*09/14/24 11:29*	*09/16/24 23:46*	*1*
Tetrachloro-m-xylene	*123*	*	*34 - 120*	*09/14/24 11:29*	*09/16/24 23:46*	*1*
Tetrachloro-m-xylene	*123*	*	*34 - 120*	*09/14/24 11:29*	*09/16/24 23:46*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:42	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*18 - 145*	*09/14/24 11:42*	*09/16/24 12:42*	*1*
DCB Decachlorobiphenyl	*96*		*18 - 145*	*09/14/24 11:42*	*09/16/24 12:42*	*1*
Tetrachloro-m-xylene	*95*		*21 - 124*	*09/14/24 11:42*	*09/16/24 12:42*	*1*
Tetrachloro-m-xylene	*91*		*21 - 124*	*09/14/24 11:42*	*09/16/24 12:42*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.4**		2.0	1.2	ug/L		09/13/24 22:35	09/16/24 12:35	1
Barium	**143**		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 12:35	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 12:35	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 12:35	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 12:35	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 12:35	1
Lead	**6.3**		1.2	0.42	ug/L		09/13/24 22:35	09/16/24 12:35	1
Manganese	**41.4**		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 12:35	1

Client Sample ID: RXTW-6
Lab Sample ID: 460-311253-3
Date Collected: 09/12/24 13:45
Matrix: Water
Date Received: 09/12/24 19:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**2.2**	**J**	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 12:35	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 12:35	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 12:35	1
Zinc	**89.2**		16.0	4.2	ug/L		09/13/24 22:35	09/16/24 12:35	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/16/24 23:41	09/17/24 19:34	1
Antimony	**0.78**	**J**	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 19:34	1
Arsenic	**3.3**		2.0	1.2	ug/L		09/16/24 23:41	09/17/24 19:34	1
Barium	**165**		4.0	0.93	ug/L		09/16/24 23:41	09/17/24 19:34	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 19:34	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 19:34	1
Calcium	**94900**		500	31.7	ug/L		09/16/24 23:41	09/17/24 19:34	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 19:34	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 19:34	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 19:34	1
Iron	**222**		120	33.7	ug/L		09/16/24 23:41	09/17/24 19:34	1
Lead	1.2	U	1.2	0.42	ug/L		09/16/24 23:41	09/17/24 19:34	1
Magnesium	**73300**		200	21.8	ug/L		09/16/24 23:41	09/17/24 19:34	1
Manganese	**69.5**		8.0	0.84	ug/L		09/16/24 23:41	09/17/24 19:34	1
Nickel	4.0	U	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 19:34	1
Potassium	**20900**		200	83.3	ug/L		09/16/24 23:41	09/17/24 19:34	1
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 19:34	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 19:34	1
Sodium	**358000**		500	180	ug/L		09/16/24 23:41	09/17/24 19:34	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 19:34	1
Vanadium	**1.0**	**J**	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 19:34	1
Zinc	**5.0**	**J**	16.0	4.2	ug/L		09/16/24 23:41	09/17/24 19:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 11:44	09/13/24 15:01	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 14:48	09/13/24 15:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/17/24 06:48	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 08:40	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:28	1

Client Sample ID: TB_09122024
Lab Sample ID: 460-311253-4
Date Collected: 09/12/24 13:45
Matrix: Water
Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/15/24 23:45	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Client Sample ID: TB_09122024
Lab Sample ID: 460-311253-4
Date Collected: 09/12/24 13:45
Matrix: Water
Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/15/24 23:45	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/15/24 23:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/15/24 23:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/15/24 23:45	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/15/24 23:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/15/24 23:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/15/24 23:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/15/24 23:45	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/15/24 23:45	1
Acetone	5.0	U	5.0	4.4	ug/L			09/15/24 23:45	1
Benzene	1.0	U	1.0	0.20	ug/L			09/15/24 23:45	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/15/24 23:45	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/15/24 23:45	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/15/24 23:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/15/24 23:45	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/15/24 23:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/15/24 23:45	1
Methylene Chloride	**0.74**	**J B**	1.0	0.32	ug/L			09/15/24 23:45	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/15/24 23:45	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/15/24 23:45	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/15/24 23:45	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/15/24 23:45	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/15/24 23:45	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/15/24 23:45	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/15/24 23:45	1
Toluene	1.0	U	1.0	0.38	ug/L			09/15/24 23:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/15/24 23:45	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/15/24 23:45	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/15/24 23:45	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/15/24 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*		*09/15/24 23:45*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*09/15/24 23:45*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 132*		*09/15/24 23:45*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*09/15/24 23:45*	*1*

Client Sample ID: Dup_09122024
Lab Sample ID: 460-311253-5
Date Collected: 09/12/24 12:00
Matrix: Water
Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/16/24 02:05	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 02:05	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 02:05	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 02:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 02:05	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 02:05	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 02:05	1

Client Sample ID: Dup_09122024
Lab Sample ID: 460-311253-5
Date Collected: 09/12/24 12:00
Matrix: Water
Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 02:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 02:05	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 02:05	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 02:05	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 02:05	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 02:05	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 02:05	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 02:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 02:05	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 02:05	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 02:05	1
Methylene Chloride	**0.35**	**J B**	1.0	0.32	ug/L			09/16/24 02:05	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 02:05	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 02:05	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 02:05	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 02:05	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 02:05	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 02:05	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 02:05	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 02:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 02:05	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 02:05	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 02:05	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*		*09/16/24 02:05*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*09/16/24 02:05*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 132*		*09/16/24 02:05*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*09/16/24 02:05*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/13/24 09:09	09/15/24 16:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*32*		*10 - 150*	*09/13/24 09:09*	*09/15/24 16:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:23	09/14/24 03:09	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:23	09/14/24 03:09	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 03:09	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:23	09/14/24 03:09	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:23	09/14/24 03:09	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:23	09/14/24 03:09	1

Client Sample ID: Dup_09122024
Lab Sample ID: 460-311253-5
Date Collected: 09/12/24 12:00
Matrix: Water
Date Received: 09/12/24 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:23	09/14/24 03:09	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 03:09	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:23	09/14/24 03:09	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:23	09/14/24 03:09	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:23	09/14/24 03:09	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:23	09/14/24 03:09	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:23	09/14/24 03:09	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:23	09/14/24 03:09	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 03:09	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:23	09/14/24 03:09	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:23	09/14/24 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*37 - 150*	*09/13/24 11:23*	*09/14/24 03:09*	*1*
2-Fluorobiphenyl	*69*		*46 - 139*	*09/13/24 11:23*	*09/14/24 03:09*	*1*
2-Fluorophenol (Surr)	*30*		*16 - 80*	*09/13/24 11:23*	*09/14/24 03:09*	*1*
Nitrobenzene-d5 (Surr)	*68*		*51 - 145*	*09/13/24 11:23*	*09/14/24 03:09*	*1*
Phenol-d5 (Surr)	*22*		*10 - 56*	*09/13/24 11:23*	*09/14/24 03:09*	*1*
Terphenyl-d14 (Surr)	*48*		*13 - 159*	*09/13/24 11:23*	*09/14/24 03:09*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:58	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:58	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:58	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:58	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 23:58	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 23:58	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 23:58	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:58	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:58	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:58	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 23:58	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:58	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:58	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:58	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*134*	*	*30 - 131*	*09/14/24 11:29*	*09/16/24 23:58*	*1*
DCB Decachlorobiphenyl	*138*	*	*30 - 131*	*09/14/24 11:29*	*09/16/24 23:58*	*1*
Tetrachloro-m-xylene	*125*	*	*34 - 120*	*09/14/24 11:29*	*09/16/24 23:58*	*1*
Tetrachloro-m-xylene	*122*	*	*34 - 120*	*09/14/24 11:29*	*09/16/24 23:58*	*1*

Client Sample ID: Dup_09122024
Lab Sample ID: 460-311253-5

Date Collected: 09/12/24 12:00
Matrix: Water

Date Received: 09/12/24 19:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:04	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*18 - 145*	*09/14/24 11:42*	*09/16/24 13:04*	*1*
DCB Decachlorobiphenyl	*89*		*18 - 145*	*09/14/24 11:42*	*09/16/24 13:04*	*1*
Tetrachloro-m-xylene	*87*		*21 - 124*	*09/14/24 11:42*	*09/16/24 13:04*	*1*
Tetrachloro-m-xylene	*83*		*21 - 124*	*09/14/24 11:42*	*09/16/24 13:04*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.6**		2.0	1.2	ug/L		09/13/24 22:35	09/16/24 12:37	1
Barium	**142**		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 12:37	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 12:37	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 12:37	1
Chromium	**2.4**	**J**	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 12:37	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 12:37	1
Lead	**1.5**		1.2	0.42	ug/L		09/13/24 22:35	09/16/24 12:37	1
Manganese	**80.4**		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 12:37	1
Nickel	**1.6**	**J**	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 12:37	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 12:37	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 12:37	1
Zinc	**10.2**	**J**	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 12:37	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/16/24 23:41	09/17/24 19:37	1
Antimony	**0.93**	**J**	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 01:06	1
Arsenic	**3.3**		2.0	1.2	ug/L		09/16/24 23:41	09/17/24 01:06	1
Barium	**168**		4.0	0.93	ug/L		09/16/24 23:41	09/17/24 01:06	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 01:06	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 01:06	1
Calcium	**92200**		500	31.7	ug/L		09/16/24 23:41	09/17/24 01:06	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 01:06	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 01:06	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 01:06	1
Iron	**237**		120	33.7	ug/L		09/16/24 23:41	09/17/24 01:06	1
Lead	1.2	U	1.2	0.42	ug/L		09/16/24 23:41	09/17/24 01:06	1
Magnesium	**73300**		200	21.8	ug/L		09/16/24 23:41	09/17/24 01:06	1
Manganese	**70.4**		8.0	0.84	ug/L		09/16/24 23:41	09/17/24 01:06	1
Nickel	4.0	U	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 01:06	1
Potassium	**21000**		200	83.3	ug/L		09/16/24 23:41	09/17/24 01:06	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311253-1

Client Sample ID: Dup_09122024
Date Collected: 09/12/24 12:00
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-5
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 01:06	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 01:06	1
Sodium	**345000**		500	180	ug/L		09/16/24 23:41	09/17/24 01:06	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 19:37	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 01:06	1
Zinc	**7.1**	**J**	16.0	4.2	ug/L		09/16/24 23:41	09/17/24 01:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 11:44	09/13/24 15:02	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 14:48	09/13/24 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/17/24 06:48	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 08:40	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:29	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311253-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-311253-1	RXTW-3	100	111	102	92
460-311253-2	RXTW-2	101	109	101	92
460-311253-3	RXTW-6	100	108	98	93
460-311253-4	TB_09122024	98	108	100	93
460-311253-5	Dup_09122024	101	108	100	92
LCS 460-996003/4	Lab Control Sample	98	99	99	97
LCS 460-996032/6	Lab Control Sample	100	103	101	98
LCSD 460-996003/5	Lab Control Sample Dup	97	103	99	98
LCSD 460-996032/21	Lab Control Sample Dup	98	103	101	94
MB 460-996003/10	Method Blank	97	105	98	100
MB 460-996032/11	Method Blank	99	111	101	92

Surrogate Legend

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

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-159)
460-311201-D-1-A MS	Matrix Spike	88	72	50	72	37	48
460-311201-D-1-B MSD	Matrix Spike Duplicate	83	73	40	76	28	63
460-311253-1	RXTW-3	80	66	50	68	37	48
460-311253-2	RXTW-2	54	67	28	67	20	56
460-311253-3	RXTW-6	47	55	26	58	19	36
460-311253-5	Dup_09122024	57	69	30	68	22	48
LCS 460-995677/2-A	Lab Control Sample	91	84	49	79	36	80
LCSD 460-995677/3-A	Lab Control Sample Dup	93	81	49	80	36	82
MB 460-995677/1-A	Method Blank	82	63	57	71	44	62

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(30-131)	(30-131)	(34-120)	(34-120)
460-311253-1	RXTW-3	128	122	118	119
460-311253-2	RXTW-2	109	112	103	112
460-311253-3	RXTW-6	138 *	128	123 *	123 *

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (30-131)	DCBP2 (30-131)	TCX1 (34-120)	TCX2 (34-120)
460-311253-5	Dup_09122024	138 *	134 *	122 *	125 *
LCS 460-995875/2-A	Lab Control Sample	89	81	98	81
LCSD 460-995875/3-A	Lab Control Sample Dup	95	87	107	88
MB 460-995872/1-B	Method Blank	157 *	128	143 *	124 *
MB 460-995875/1-A	Method Blank	99	91	95	92

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (18-145)	DCBP2 (18-145)	TCX1 (21-124)	TCX2 (21-124)
460-311253-1	RXTW-3	89	101	84	88
460-311253-2	RXTW-2	90	102	87	90
460-311253-3	RXTW-6	96	110	91	95
460-311253-5	Dup_09122024	89	103	83	87
460-311357-I-2-B MS	Matrix Spike	99	118	95	101
460-311357-Q-2-B MSD	Matrix Spike Duplicate	89	105	87	89
LCS 460-995877/2-A	Lab Control Sample	106	123	106	107
LCSD 460-995877/3-A	Lab Control Sample Dup	103	116	103	106
MB 460-995877/1-A	Method Blank	101	114	99	104

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DXE (10-150)							
460-311253-1	RXTW-3	26							
460-311253-2	RXTW-2	28							
460-311253-3	RXTW-6	27							
460-311253-5	Dup_09122024	32							
LCS 460-995440/2-A	Lab Control Sample	24							
LCSD 460-995440/3-A	Lab Control Sample Dup	24							
MB 460-995440/1-A	Method Blank	29							

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 460-996003/10
Matrix: Water
Analysis Batch: 996003

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/15/24 22:46	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/15/24 22:46	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/15/24 22:46	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/15/24 22:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/15/24 22:46	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/15/24 22:46	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/15/24 22:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/15/24 22:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/15/24 22:46	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/15/24 22:46	1
Acetone	5.0	U	5.0	4.4	ug/L			09/15/24 22:46	1
Benzene	1.0	U	1.0	0.20	ug/L			09/15/24 22:46	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/15/24 22:46	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/15/24 22:46	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/15/24 22:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/15/24 22:46	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/15/24 22:46	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/15/24 22:46	1
Methylene Chloride	0.329	J	1.0	0.32	ug/L			09/15/24 22:46	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/15/24 22:46	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/15/24 22:46	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/15/24 22:46	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/15/24 22:46	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/15/24 22:46	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/15/24 22:46	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/15/24 22:46	1
Toluene	1.0	U	1.0	0.38	ug/L			09/15/24 22:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/15/24 22:46	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/15/24 22:46	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/15/24 22:46	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/15/24 22:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*		*09/15/24 22:46*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*09/15/24 22:46*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 132*		*09/15/24 22:46*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/15/24 22:46*	*1*

Lab Sample ID: LCS 460-996003/4
Matrix: Water
Analysis Batch: 996003

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.3		ug/L		107	72 - 128
1,1-Dichloroethane	20.0	21.7		ug/L		109	73 - 130
1,1-Dichloroethene	20.0	21.6		ug/L		108	68 - 133
1,2,4-Trimethylbenzene	20.0	22.4		ug/L		112	75 - 125
1,2-Dichlorobenzene	20.0	22.4		ug/L		112	80 - 120

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

Lab Sample ID: LCS 460-996003/4
Matrix: Water
Analysis Batch: 996003

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	20.0	20.8		ug/L		104	66 - 129
1,3,5-Trimethylbenzene	20.0	22.4		ug/L		112	75 - 125
1,3-Dichlorobenzene	20.0	22.8		ug/L		114	80 - 120
1,4-Dichlorobenzene	20.0	22.6		ug/L		113	80 - 120
2-Butanone (MEK)	100	108		ug/L		108	65 - 142
Acetone	100	102		ug/L		102	60 - 133
Benzene	20.0	21.3		ug/L		107	71 - 126
Carbon tetrachloride	20.0	22.4		ug/L		112	65 - 131
Chlorobenzene	20.0	21.9		ug/L		109	80 - 120
Chloroform	20.0	21.8		ug/L		109	78 - 125
cis-1,2-Dichloroethene	20.0	22.1		ug/L		110	78 - 121
Ethylbenzene	20.0	21.7		ug/L		108	78 - 120
Methyl tert-butyl ether	20.0	21.0		ug/L		105	72 - 131
Methylene Chloride	20.0	20.0		ug/L		100	74 - 127
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	78 - 120
n-Butylbenzene	20.0	23.1		ug/L		116	69 - 135
N-Propylbenzene	20.0	22.4		ug/L		112	68 - 129
o-Xylene	20.0	22.3		ug/L		111	78 - 120
sec-Butylbenzene	20.0	23.3		ug/L		117	77 - 129
tert-Butylbenzene	20.0	23.3		ug/L		116	78 - 120
Tetrachloroethene	20.0	21.5		ug/L		107	70 - 127
Toluene	20.0	21.0		ug/L		105	78 - 120
trans-1,2-Dichloroethene	20.0	22.0		ug/L		110	70 - 126
Trichloroethene	20.0	21.2		ug/L		106	73 - 121
Vinyl chloride	20.0	21.3		ug/L		107	55 - 144
Xylenes, Total	40.0	44.3		ug/L		111	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 132*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 460-996003/5
Matrix: Water
Analysis Batch: 996003

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	21.1		ug/L		106	72 - 128	1	30
1,1-Dichloroethane	20.0	21.2		ug/L		106	73 - 130	3	30
1,1-Dichloroethene	20.0	20.9		ug/L		104	68 - 133	3	30
1,2,4-Trimethylbenzene	20.0	21.5		ug/L		107	75 - 125	4	30
1,2-Dichlorobenzene	20.0	21.2		ug/L		106	80 - 120	5	30
1,2-Dichloroethane	20.0	20.4		ug/L		102	66 - 129	2	30
1,3,5-Trimethylbenzene	20.0	21.5		ug/L		107	75 - 125	4	30
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120	4	30
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120	4	30
2-Butanone (MEK)	100	103		ug/L		103	65 - 142	4	30

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

Lab Sample ID: LCSD 460-996003/5
Matrix: Water
Analysis Batch: 996003

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			100	93.0		ug/L		93	60 - 133	10	30
Benzene			20.0	20.1		ug/L		101	71 - 126	6	30
Carbon tetrachloride			20.0	21.4		ug/L		107	65 - 131	5	30
Chlorobenzene			20.0	21.1		ug/L		106	80 - 120	3	30
Chloroform			20.0	21.4		ug/L		107	78 - 125	2	30
cis-1,2-Dichloroethene			20.0	21.1		ug/L		105	78 - 121	5	30
Ethylbenzene			20.0	21.3		ug/L		107	78 - 120	2	30
Methyl tert-butyl ether			20.0	20.3		ug/L		101	72 - 131	3	30
Methylene Chloride			20.0	19.2		ug/L		96	74 - 127	4	30
m-Xylene & p-Xylene			20.0	21.5		ug/L		108	78 - 120	2	30
n-Butylbenzene			20.0	21.6		ug/L		108	69 - 135	7	30
N-Propylbenzene			20.0	21.8		ug/L		109	68 - 129	3	30
o-Xylene			20.0	21.8		ug/L		109	78 - 120	2	30
sec-Butylbenzene			20.0	22.1		ug/L		111	77 - 129	5	30
tert-Butylbenzene			20.0	22.0		ug/L		110	78 - 120	6	30
Tetrachloroethene			20.0	20.8		ug/L		104	70 - 127	3	30
Toluene			20.0	20.4		ug/L		102	78 - 120	3	30
trans-1,2-Dichloroethene			20.0	21.2		ug/L		106	70 - 126	3	30
Trichloroethene			20.0	20.2		ug/L		101	73 - 121	5	30
Vinyl chloride			20.0	21.2		ug/L		106	55 - 144	0	30
Xylenes, Total			40.0	43.3		ug/L		108	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 132*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 460-996032/11
Matrix: Water
Analysis Batch: 996032

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/16/24 10:32	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 10:32	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 10:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 10:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 10:32	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 10:32	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 10:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 10:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 10:32	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 10:32	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 10:32	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 10:32	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 10:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 10:32	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 10:32	1

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

Lab Sample ID: MB 460-996032/11
Matrix: Water
Analysis Batch: 996032

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 10:32	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 10:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 10:32	1
Methylene Chloride	0.353	J	1.0	0.32	ug/L			09/16/24 10:32	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 10:32	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 10:32	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 10:32	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 10:32	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 10:32	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 10:32	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 10:32	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 10:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 10:32	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 10:32	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 10:32	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 128*		*09/16/24 10:32*	*1*
4-Bromofluorobenzene	*111*		*76 - 120*		*09/16/24 10:32*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 132*		*09/16/24 10:32*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*09/16/24 10:32*	*1*

Lab Sample ID: LCS 460-996032/6
Matrix: Water
Analysis Batch: 996032

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	18.3		ug/L		91	72 - 128
1,1-Dichloroethane	20.0	18.5		ug/L		93	73 - 130
1,1-Dichloroethene	20.0	18.3		ug/L		92	68 - 133
1,2,4-Trimethylbenzene	20.0	19.2		ug/L		96	75 - 125
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,2-Dichloroethane	20.0	18.0		ug/L		90	66 - 129
1,3,5-Trimethylbenzene	20.0	18.7		ug/L		93	75 - 125
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
2-Butanone (MEK)	100	88.8		ug/L		89	65 - 142
Acetone	100	94.4		ug/L		94	60 - 133
Benzene	20.0	17.9		ug/L		90	71 - 126
Carbon tetrachloride	20.0	19.9		ug/L		99	65 - 131
Chlorobenzene	20.0	18.5		ug/L		92	80 - 120
Chloroform	20.0	18.7		ug/L		93	78 - 125
cis-1,2-Dichloroethene	20.0	18.4		ug/L		92	78 - 121
Ethylbenzene	20.0	18.5		ug/L		92	78 - 120
Methyl tert-butyl ether	20.0	17.9		ug/L		90	72 - 131
Methylene Chloride	20.0	17.2		ug/L		86	74 - 127
m-Xylene & p-Xylene	20.0	18.5		ug/L		93	78 - 120

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

Lab Sample ID: LCS 460-996032/6
Matrix: Water
Analysis Batch: 996032

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Butylbenzene	20.0	19.5		ug/L		97	69 - 135
N-Propylbenzene	20.0	18.7		ug/L		93	68 - 129
o-Xylene	20.0	19.2		ug/L		96	78 - 120
sec-Butylbenzene	20.0	19.2		ug/L		96	77 - 129
tert-Butylbenzene	20.0	19.5		ug/L		98	78 - 120
Tetrachloroethene	20.0	18.4		ug/L		92	70 - 127
Toluene	20.0	17.5		ug/L		88	78 - 120
trans-1,2-Dichloroethene	20.0	18.7		ug/L		94	70 - 126
Trichloroethene	20.0	17.8		ug/L		89	73 - 121
Vinyl chloride	20.0	18.3		ug/L		92	55 - 144
Xylenes, Total	40.0	37.7		ug/L		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 132*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-996032/21
Matrix: Water
Analysis Batch: 996032

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	72 - 128	9	30
1,1-Dichloroethane	20.0	19.8		ug/L		99	73 - 130	6	30
1,1-Dichloroethene	20.0	21.2		ug/L		106	68 - 133	15	30
1,2,4-Trimethylbenzene	20.0	20.7		ug/L		104	75 - 125	8	30
1,2-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 120	9	30
1,2-Dichloroethane	20.0	19.7		ug/L		98	66 - 129	9	30
1,3,5-Trimethylbenzene	20.0	20.4		ug/L		102	75 - 125	9	30
1,3-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 120	12	30
1,4-Dichlorobenzene	20.0	21.3		ug/L		106	80 - 120	10	30
2-Butanone (MEK)	100	108		ug/L		108	65 - 142	19	30
Acetone	100	108		ug/L		108	60 - 133	13	30
Benzene	20.0	17.7		ug/L		89	71 - 126	1	30
Carbon tetrachloride	20.0	21.3		ug/L		106	65 - 131	7	30
Chlorobenzene	20.0	20.3		ug/L		102	80 - 120	10	30
Chloroform	20.0	20.3		ug/L		102	78 - 125	9	30
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	78 - 121	13	30
Ethylbenzene	20.0	20.5		ug/L		102	78 - 120	10	30
Methyl tert-butyl ether	20.0	19.8		ug/L		99	72 - 131	10	30
Methylene Chloride	20.0	19.9		ug/L		99	74 - 127	14	30
m-Xylene & p-Xylene	20.0	20.3		ug/L		102	78 - 120	9	30
n-Butylbenzene	20.0	20.6		ug/L		103	69 - 135	5	30
N-Propylbenzene	20.0	20.8		ug/L		104	68 - 129	11	30
o-Xylene	20.0	20.7		ug/L		103	78 - 120	8	30
sec-Butylbenzene	20.0	21.2		ug/L		106	77 - 129	10	30
tert-Butylbenzene	20.0	21.4		ug/L		107	78 - 120	9	30

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

Lab Sample ID: LCSD 460-996032/21
Matrix: Water
Analysis Batch: 996032

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene			20.0	20.0		ug/L		100	70 - 127	9	30
Toluene			20.0	18.4		ug/L		92	78 - 120	5	30
trans-1,2-Dichloroethene			20.0	20.0		ug/L		100	70 - 126	6	30
Trichloroethene			20.0	19.6		ug/L		98	73 - 121	10	30
Vinyl chloride			20.0	22.3		ug/L		112	55 - 144	20	30
Xylenes, Total			40.0	41.0		ug/L		103	80 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 132*
Toluene-d8 (Surr)	*94*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-995677/1-A
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:22	09/13/24 19:17	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:22	09/13/24 19:17	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:22	09/13/24 19:17	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:22	09/13/24 19:17	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:22	09/13/24 19:17	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:22	09/13/24 19:17	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:22	09/13/24 19:17	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:22	09/13/24 19:17	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:22	09/13/24 19:17	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:22	09/13/24 19:17	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:22	09/13/24 19:17	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:22	09/13/24 19:17	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:22	09/13/24 19:17	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:22	09/13/24 19:17	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:22	09/13/24 19:17	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:22	09/13/24 19:17	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:22	09/13/24 19:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*37 - 150*	*09/13/24 11:22*	*09/13/24 19:17*	*1*
2-Fluorobiphenyl	*63*		*46 - 139*	*09/13/24 11:22*	*09/13/24 19:17*	*1*
2-Fluorophenol (Surr)	*57*		*16 - 80*	*09/13/24 11:22*	*09/13/24 19:17*	*1*
Nitrobenzene-d5 (Surr)	*71*		*51 - 145*	*09/13/24 11:22*	*09/13/24 19:17*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-995677/1-A
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995677

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	44		10 - 56	09/13/24 11:22	09/13/24 19:17	1
Terphenyl-d14 (Surr)	62		13 - 159	09/13/24 11:22	09/13/24 19:17	1

Lab Sample ID: LCS 460-995677/2-A
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	80.0	56.0		ug/L		70	35 - 120
3 & 4 Methylphenol	80.0	47.7		ug/L		60	27 - 120
Acenaphthene	80.0	74.9		ug/L		94	62 - 127
Acenaphthylene	80.0	83.1		ug/L		104	58 - 122
Anthracene	80.0	78.3		ug/L		98	67 - 127
Benzo[a]anthracene	80.0	78.9		ug/L		99	71 - 131
Benzo[a]pyrene	80.0	91.8		ug/L		115	75 - 148
Benzo[b]fluoranthene	80.0	86.8		ug/L		109	70 - 140
Benzo[g,h,i]perylene	80.0	97.2		ug/L		121	52 - 143
Benzo[k]fluoranthene	80.0	85.3		ug/L		107	71 - 140
Chrysene	80.0	77.1		ug/L		96	70 - 132
Dibenz(a,h)anthracene	80.0	89.1		ug/L		111	53 - 150
Dibenzofuran	80.0	76.5		ug/L		96	64 - 125
Fluoranthene	80.0	84.6		ug/L		106	69 - 137
Fluorene	80.0	76.8		ug/L		96	67 - 125
Hexachlorobenzene	80.0	83.6		ug/L		105	62 - 135
Indeno[1,2,3-cd]pyrene	80.0	92.0		ug/L		115	59 - 150
Naphthalene	80.0	74.8		ug/L		94	39 - 126
Pentachlorophenol	160	169		ug/L		106	60 - 140
Phenanthrene	80.0	77.6		ug/L		97	68 - 126
Phenol	80.0	37.2		ug/L		46	10 - 80
Pyrene	80.0	73.6		ug/L		92	60 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		37 - 150
2-Fluorobiphenyl	84		46 - 139
2-Fluorophenol (Surr)	49		16 - 80
Nitrobenzene-d5 (Surr)	79		51 - 145
Phenol-d5 (Surr)	36		10 - 56
Terphenyl-d14 (Surr)	80		13 - 159

Lab Sample ID: LCSD 460-995677/3-A
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995677

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	80.0	54.2		ug/L		68	35 - 120	3	30
3 & 4 Methylphenol	80.0	46.6		ug/L		58	27 - 120	2	30
Acenaphthene	80.0	74.2		ug/L		93	62 - 127	1	30
Acenaphthylene	80.0	82.0		ug/L		103	58 - 122	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-995677/3-A
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995677

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene			80.0	77.3		ug/L		97	67 - 127	1	30
Benzo[a]anthracene			80.0	79.9		ug/L		100	71 - 131	1	30
Benzo[a]pyrene			80.0	90.9		ug/L		114	75 - 148	1	30
Benzo[b]fluoranthene			80.0	84.8		ug/L		106	70 - 140	2	30
Benzo[g,h,i]perylene			80.0	95.3		ug/L		119	52 - 143	2	30
Benzo[k]fluoranthene			80.0	82.9		ug/L		104	71 - 140	3	30
Chrysene			80.0	77.4		ug/L		97	70 - 132	0	30
Dibenz(a,h)anthracene			80.0	85.1		ug/L		106	53 - 150	5	30
Dibenzofuran			80.0	76.4		ug/L		95	64 - 125	0	30
Fluoranthene			80.0	84.7		ug/L		106	69 - 137	0	30
Fluorene			80.0	76.8		ug/L		96	67 - 125	0	30
Hexachlorobenzene			80.0	84.5		ug/L		106	62 - 135	1	30
Indeno[1,2,3-cd]pyrene			80.0	91.4		ug/L		114	59 - 150	1	30
Naphthalene			80.0	75.4		ug/L		94	39 - 126	1	30
Pentachlorophenol			160	167		ug/L		105	60 - 140	1	30
Phenanthrene			80.0	76.0		ug/L		95	68 - 126	2	30
Phenol			80.0	37.2		ug/L		46	10 - 80	0	30
Pyrene			80.0	75.4		ug/L		94	60 - 137	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*37 - 150*
2-Fluorobiphenyl	*81*		*46 - 139*
2-Fluorophenol (Surr)	*49*		*16 - 80*
Nitrobenzene-d5 (Surr)	*80*		*51 - 145*
Phenol-d5 (Surr)	*36*		*10 - 56*
Terphenyl-d14 (Surr)	*82*		*13 - 159*

Lab Sample ID: 460-311201-D-1-A MS
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995677

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	10	U	40.0	33.0		ug/L		82	35 - 120
3 & 4 Methylphenol	10	U	40.0	28.2		ug/L		70	27 - 120
Acenaphthene	10	U	40.0	40.3		ug/L		101	62 - 127
Acenaphthylene	10	U	40.0	43.8		ug/L		109	58 - 122
Anthracene	10	U	40.0	41.2		ug/L		103	67 - 127
Benzo[a]anthracene	1.0	U	40.0	41.7		ug/L		104	71 - 131
Benzo[a]pyrene	1.0	U	40.0	45.2		ug/L		113	75 - 148
Benzo[b]fluoranthene	2.0	U	40.0	41.9		ug/L		105	70 - 140
Benzo[g,h,i]perylene	10	U	40.0	47.1		ug/L		118	52 - 143
Benzo[k]fluoranthene	1.0	U	40.0	44.9		ug/L		112	71 - 140
Chrysene	2.0	U	40.0	40.7		ug/L		102	70 - 132
Dibenz(a,h)anthracene	1.0	U	40.0	41.8		ug/L		104	53 - 150
Dibenzofuran	10	U	40.0	41.1		ug/L		103	64 - 125
Fluoranthene	10	U	40.0	43.7		ug/L		109	69 - 137
Fluorene	10	U	40.0	41.3		ug/L		103	67 - 125
Hexachlorobenzene	1.0	U	40.0	44.9		ug/L		112	62 - 135

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-311201-D-1-A MS
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995677

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	43.7		ug/L		109	59 - 150		
Naphthalene	2.0	U	40.0	37.9		ug/L		95	39 - 126		
Pentachlorophenol	20	U	80.0	88.8		ug/L		111	60 - 140		
Phenanthrene	10	U	40.0	40.3		ug/L		101	68 - 126		
Phenol	10	U	40.0	19.8		ug/L		49	10 - 80		
Pyrene	10	U	40.0	39.4		ug/L		98	60 - 137		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*37 - 150*
2-Fluorobiphenyl	*72*		*46 - 139*
2-Fluorophenol (Surr)	*50*		*16 - 80*
Nitrobenzene-d5 (Surr)	*72*		*51 - 145*
Phenol-d5 (Surr)	*37*		*10 - 56*
Terphenyl-d14 (Surr)	*48*		*13 - 159*

Lab Sample ID: 460-311201-D-1-B MSD
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995677

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	10	U	40.0	25.7		ug/L		64	35 - 120	25	30
3 & 4 Methylphenol	10	U	40.0	22.4		ug/L		56	27 - 120	23	30
Acenaphthene	10	U	40.0	38.4		ug/L		96	62 - 127	5	30
Acenaphthylene	10	U	40.0	42.4		ug/L		106	58 - 122	3	30
Anthracene	10	U	40.0	40.4		ug/L		101	67 - 127	2	30
Benzo[a]anthracene	1.0	U	40.0	40.0		ug/L		100	71 - 131	4	30
Benzo[a]pyrene	1.0	U	40.0	44.3		ug/L		111	75 - 148	2	30
Benzo[b]fluoranthene	2.0	U	40.0	42.0		ug/L		105	70 - 140	0	30
Benzo[g,h,i]perylene	10	U	40.0	45.9		ug/L		115	52 - 143	3	30
Benzo[k]fluoranthene	1.0	U	40.0	42.1		ug/L		105	71 - 140	6	30
Chrysene	2.0	U	40.0	38.6		ug/L		96	70 - 132	5	30
Dibenz(a,h)anthracene	1.0	U	40.0	39.5		ug/L		99	53 - 150	6	30
Dibenzofuran	10	U	40.0	39.7		ug/L		99	64 - 125	3	30
Fluoranthene	10	U	40.0	42.1		ug/L		105	69 - 137	4	30
Fluorene	10	U	40.0	39.8		ug/L		99	67 - 125	4	30
Hexachlorobenzene	1.0	U	40.0	43.9		ug/L		110	62 - 135	2	30
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	42.9		ug/L		107	59 - 150	2	30
Naphthalene	2.0	U	40.0	37.7		ug/L		94	39 - 126	0	30
Pentachlorophenol	20	U	80.0	79.9		ug/L		100	60 - 140	11	30
Phenanthrene	10	U	40.0	39.6		ug/L		99	68 - 126	2	30
Phenol	10	U	40.0	15.8		ug/L		39	10 - 80	22	30
Pyrene	10	U	40.0	38.2		ug/L		95	60 - 137	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*83*		*37 - 150*
2-Fluorobiphenyl	*73*		*46 - 139*
2-Fluorophenol (Surr)	*40*		*16 - 80*
Nitrobenzene-d5 (Surr)	*76*		*51 - 145*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-311201-D-1-B MSD
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995677

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*28*		*10 - 56*
Terphenyl-d14 (Surr)	*63*		*13 - 159*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-995440/1-A
Matrix: Water
Analysis Batch: 995542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/12/24 09:23	09/12/24 21:24	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 150*	*09/12/24 09:23*	*09/12/24 21:24*	*1*

Lab Sample ID: LCS 460-995440/2-A
Matrix: Water
Analysis Batch: 995542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995440

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			1.60	1.97		ug/L		123	42 - 142		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*24*		*10 - 150*

Lab Sample ID: LCSD 460-995440/3-A
Matrix: Water
Analysis Batch: 995542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995440

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.60	2.01		ug/L		126	42 - 142	2	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*24*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-995872/1-B
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-995872/1-B
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 20:29	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 20:29	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 20:29	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 20:29	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 20:29	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 20:29	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 20:29	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 20:29	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 20:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*128*		*30 - 131*	*09/14/24 11:29*	*09/16/24 20:29*	*1*
DCB Decachlorobiphenyl	*157*	*	*30 - 131*	*09/14/24 11:29*	*09/16/24 20:29*	*1*
Tetrachloro-m-xylene	*124*	*	*34 - 120*	*09/14/24 11:29*	*09/16/24 20:29*	*1*
Tetrachloro-m-xylene	*143*	*	*34 - 120*	*09/14/24 11:29*	*09/16/24 20:29*	*1*

Lab Sample ID: MB 460-995875/1-A
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-995875/1-A
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:28	09/16/24 19:52	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:28	09/16/24 19:52	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:28	09/16/24 19:52	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:28	09/16/24 19:52	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:28	09/16/24 19:52	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:28	09/16/24 19:52	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:28	09/16/24 19:52	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:28	09/16/24 19:52	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:28	09/16/24 19:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*30 - 131*	*09/14/24 11:28*	*09/16/24 19:52*	*1*
DCB Decachlorobiphenyl	*99*		*30 - 131*	*09/14/24 11:28*	*09/16/24 19:52*	*1*
Tetrachloro-m-xylene	*92*		*34 - 120*	*09/14/24 11:28*	*09/16/24 19:52*	*1*
Tetrachloro-m-xylene	*95*		*34 - 120*	*09/14/24 11:28*	*09/16/24 19:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-995875/2-A
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.800	0.737		ug/L		92	69 - 138
4,4'-DDD	0.800	0.820		ug/L		102	69 - 138
4,4'-DDE	0.800	0.834		ug/L		104	68 - 130
4,4'-DDE	0.800	0.874		ug/L		109	68 - 130
4,4'-DDT	0.800	0.796		ug/L		100	57 - 1505
4,4'-DDT	0.800	0.890		ug/L		111	57 - 1505
Aldrin	0.800	0.829		ug/L		104	67 - 129
Aldrin	0.800	0.920		ug/L		115	67 - 129
alpha-BHC	0.800	0.769		ug/L		96	70 - 125
alpha-BHC	0.800	0.796		ug/L		100	70 - 125
beta-BHC	0.800	0.721		ug/L		90	70 - 129
beta-BHC	0.800	0.807		ug/L		101	70 - 129
cis-Chlordane	0.800	0.796		ug/L		100	72 - 126
cis-Chlordane	0.800	0.884		ug/L		110	72 - 126
delta-BHC	0.800	0.606		ug/L		76	44 - 120
delta-BHC	0.800	0.637		ug/L		80	44 - 120
Dieldrin	0.800	0.799		ug/L		100	72 - 128
Dieldrin	0.800	0.888		ug/L		111	72 - 128
Endosulfan I	0.800	0.776		ug/L		97	73 - 127
Endosulfan I	0.800	0.943		ug/L		118	73 - 127
Endosulfan II	0.800	0.795		ug/L		99	73 - 134
Endosulfan II	0.800	0.921		ug/L		115	73 - 134
Endosulfan sulfate	0.800	0.682		ug/L		85	61 - 128
Endosulfan sulfate	0.800	0.735		ug/L		92	61 - 128
Endrin	0.800	0.791		ug/L		99	64 - 138
Endrin	0.800	0.892		ug/L		111	64 - 138
Endrin aldehyde	0.800	0.785		ug/L		98	74 - 133
Endrin aldehyde	0.800	0.858		ug/L		107	74 - 133
Endrin ketone	0.800	0.709		ug/L		89	56 - 150
Endrin ketone	0.800	0.787		ug/L		98	56 - 150
gamma-BHC (Lindane)	0.800	0.813		ug/L		102	73 - 132
gamma-BHC (Lindane)	0.800	0.855		ug/L		107	73 - 132
Heptachlor	0.800	0.810		ug/L		101	70 - 134
Heptachlor	0.800	0.902		ug/L		113	70 - 134
Heptachlor epoxide	0.800	0.811		ug/L		101	75 - 126
Heptachlor epoxide	0.800	0.896		ug/L		112	75 - 126
Methoxychlor	0.800	0.775		ug/L		97	49 - 150
Methoxychlor	0.800	0.807		ug/L		101	49 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*30 - 131*
DCB Decachlorobiphenyl	*89*		*30 - 131*
Tetrachloro-m-xylene	*81*		*34 - 120*
Tetrachloro-m-xylene	*98*		*34 - 120*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-995875/3-A
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995875

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.800	0.817		ug/L		102	69 - 138	10	30
4,4'-DDD			0.800	0.912		ug/L		114	69 - 138	11	30
4,4'-DDE			0.800	0.915		ug/L		114	68 - 130	9	30
4,4'-DDE			0.800	0.974		ug/L		122	68 - 130	11	30
4,4'-DDT			0.800	0.874		ug/L		109	57 - 1505	9	30
4,4'-DDT			0.800	0.980		ug/L		122	57 - 1505	10	30
Aldrin			0.800	0.906		ug/L		113	67 - 129	9	30
Aldrin			0.800	1.01		ug/L		126	67 - 129	9	30
alpha-BHC			0.800	0.842		ug/L		105	70 - 125	9	30
alpha-BHC			0.800	0.870		ug/L		109	70 - 125	9	30
beta-BHC			0.800	0.809		ug/L		101	70 - 129	11	30
beta-BHC			0.800	0.906		ug/L		113	70 - 129	12	30
cis-Chlordane			0.800	0.868		ug/L		109	72 - 126	9	30
cis-Chlordane			0.800	0.979		ug/L		122	72 - 126	10	30
delta-BHC			0.800	0.675		ug/L		84	44 - 120	11	30
delta-BHC			0.800	0.713		ug/L		89	44 - 120	11	30
Dieldrin			0.800	0.877		ug/L		110	72 - 128	9	30
Dieldrin			0.800	0.983		ug/L		123	72 - 128	10	30
Endosulfan I			0.800	0.845		ug/L		106	73 - 127	9	30
Endosulfan I			0.800	1.04	*	ug/L		130	73 - 127	10	30
Endosulfan II			0.800	0.880		ug/L		110	73 - 134	10	30
Endosulfan II			0.800	1.02		ug/L		127	73 - 134	10	30
Endosulfan sulfate			0.800	0.753		ug/L		94	61 - 128	10	30
Endosulfan sulfate			0.800	0.814		ug/L		102	61 - 128	10	30
Endrin			0.800	0.866		ug/L		108	64 - 138	9	30
Endrin			0.800	0.983		ug/L		123	64 - 138	10	30
Endrin aldehyde			0.800	0.873		ug/L		109	74 - 133	11	30
Endrin aldehyde			0.800	0.960		ug/L		120	74 - 133	11	30
Endrin ketone			0.800	0.775		ug/L		97	56 - 150	9	30
Endrin ketone			0.800	0.860		ug/L		108	56 - 150	9	30
gamma-BHC (Lindane)			0.800	0.895		ug/L		112	73 - 132	10	30
gamma-BHC (Lindane)			0.800	0.940		ug/L		118	73 - 132	10	30
Heptachlor			0.800	0.888		ug/L		111	70 - 134	9	30
Heptachlor			0.800	0.990		ug/L		124	70 - 134	9	30
Heptachlor epoxide			0.800	0.889		ug/L		111	75 - 126	9	30
Heptachlor epoxide			0.800	0.990		ug/L		124	75 - 126	10	30
Methoxychlor			0.800	0.855		ug/L		107	49 - 150	10	30
Methoxychlor			0.800	0.888		ug/L		111	49 - 150	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*30 - 131*
DCB Decachlorobiphenyl	*95*		*30 - 131*
Tetrachloro-m-xylene	*88*		*34 - 120*
Tetrachloro-m-xylene	*107*		*34 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-995877/1-A
Matrix: Water
Analysis Batch: 996037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*18 - 145*	*09/14/24 11:36*	*09/16/24 09:21*	*1*
DCB Decachlorobiphenyl	*101*		*18 - 145*	*09/14/24 11:36*	*09/16/24 09:21*	*1*
Tetrachloro-m-xylene	*104*		*21 - 124*	*09/14/24 11:36*	*09/16/24 09:21*	*1*
Tetrachloro-m-xylene	*99*		*21 - 124*	*09/14/24 11:36*	*09/16/24 09:21*	*1*

Lab Sample ID: LCS 460-995877/2-A
Matrix: Water
Analysis Batch: 996037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	4.00	4.10		ug/L		103	42 - 120
Aroclor 1016	4.00	4.28		ug/L		107	42 - 120
Aroclor 1260	4.00	4.38		ug/L		110	42 - 126
Aroclor 1260	4.00	4.37		ug/L		109	42 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*123*		*18 - 145*
DCB Decachlorobiphenyl	*106*		*18 - 145*
Tetrachloro-m-xylene	*107*		*21 - 124*
Tetrachloro-m-xylene	*106*		*21 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-995877/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 996037
Prep Batch: 995877

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			4.00	4.07		ug/L		102	42 - 120	1	30
Aroclor 1016			4.00	4.18		ug/L		104	42 - 120	2	30
Aroclor 1260			4.00	4.30		ug/L		108	42 - 126	2	30
Aroclor 1260			4.00	4.30		ug/L		108	42 - 126	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*116*		*18 - 145*
DCB Decachlorobiphenyl	*103*		*18 - 145*
Tetrachloro-m-xylene	*106*		*21 - 124*
Tetrachloro-m-xylene	*103*		*21 - 124*

Lab Sample ID: 460-311357-I-2-B MS
Client Sample ID: Matrix Spike
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 996037
Prep Batch: 995877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.40	U	4.00	3.78		ug/L		94	42 - 120
Aroclor 1016	0.40	U	4.00	3.47		ug/L		87	42 - 120
Aroclor 1260	0.40	U	4.00	4.09		ug/L		102	42 - 126
Aroclor 1260	0.40	U	4.00	3.63		ug/L		91	42 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*118*		*18 - 145*
DCB Decachlorobiphenyl	*99*		*18 - 145*
Tetrachloro-m-xylene	*101*		*21 - 124*
Tetrachloro-m-xylene	*95*		*21 - 124*

Lab Sample ID: 460-311357-Q-2-B MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 996037
Prep Batch: 995877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.40	U	4.00	3.93		ug/L		98	42 - 120	4	30
Aroclor 1016	0.40	U	4.00	3.49		ug/L		87	42 - 120	0	30
Aroclor 1260	0.40	U	4.00	3.96		ug/L		99	42 - 126	3	30
Aroclor 1260	0.40	U	4.00	3.59		ug/L		90	42 - 126	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*18 - 145*
DCB Decachlorobiphenyl	*89*		*18 - 145*
Tetrachloro-m-xylene	*89*		*21 - 124*
Tetrachloro-m-xylene	*87*		*21 - 124*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-995809/1-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		09/13/24 22:35	09/16/24 10:08	1
Barium	4.0	U	4.0	0.93	ug/L		09/13/24 22:35	09/16/24 10:08	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 10:08	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 10:08	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 10:08	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 10:08	1
Lead	1.2	U	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 10:08	1
Manganese	8.0	U	8.0	0.84	ug/L		09/13/24 22:35	09/16/24 10:08	1
Nickel	4.0	U	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 10:08	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 10:08	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 10:08	1
Zinc	16.0	U	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 10:08	1

Lab Sample ID: LCS 460-995809/2-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	51.82		ug/L		104	80 - 120
Barium	50.0	50.85		ug/L		102	80 - 120
Beryllium	25.0	24.97		ug/L		100	80 - 120
Cadmium	25.0	25.52		ug/L		102	80 - 120
Chromium	50.0	52.71		ug/L		105	80 - 120
Copper	50.0	54.41		ug/L		109	80 - 120
Lead	25.0	25.63		ug/L		103	80 - 120
Manganese	250	253.7		ug/L		101	80 - 120
Nickel	50.0	53.17		ug/L		106	80 - 120
Selenium	50.0	51.27		ug/L		103	80 - 120
Silver	25.0	25.63		ug/L		103	80 - 120
Zinc	250	259.1		ug/L		104	80 - 120

Lab Sample ID: 460-311253-1 MS
Matrix: Water
Analysis Batch: 996107

Client Sample ID: RXTW-3
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	4.4		50.0	53.83		ug/L		99	75 - 125
Barium	36.9		50.0	84.13		ug/L		95	75 - 125
Beryllium	0.80	U	25.0	24.48		ug/L		98	75 - 125
Cadmium	2.0	U	25.0	25.70		ug/L		103	75 - 125
Chromium	4.0	U	50.0	49.62		ug/L		99	75 - 125
Copper	4.0	U	50.0	50.57		ug/L		101	75 - 125
Lead	0.95	J	25.0	26.35		ug/L		102	75 - 125
Manganese	60.3		250	294.4		ug/L		94	75 - 125
Nickel	4.0	U	50.0	50.36		ug/L		101	75 - 125
Selenium	2.5	U	50.0	49.32		ug/L		99	75 - 125
Silver	2.0	U	25.0	24.87		ug/L		99	75 - 125
Zinc	27.3		250	266.7		ug/L		96	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311253-1 DU
Matrix: Water
Analysis Batch: 996107

Client Sample ID: RXTW-3
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	4.4		4.44		ug/L		0.7	20
Barium	36.9		36.58		ug/L		0.8	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Lead	0.95	J	0.951	J	ug/L		0.6	20
Manganese	60.3		59.54		ug/L		1	20
Nickel	4.0	U	4.0	U	ug/L		NC	20
Selenium	2.5	U	2.5	U	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Zinc	27.3		26.89		ug/L		1	20

Lab Sample ID: MB 460-996212/7-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 996212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.0	U	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 00:37	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/16/24 23:41	09/17/24 00:37	1
Barium	4.0	U	4.0	0.93	ug/L		09/16/24 23:41	09/17/24 00:37	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 00:37	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 00:37	1
Calcium	500	U	500	31.7	ug/L		09/16/24 23:41	09/17/24 00:37	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 00:37	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 00:37	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 00:37	1
Iron	120	U	120	33.7	ug/L		09/16/24 23:41	09/17/24 00:37	1
Lead	1.2	U	1.2	0.42	ug/L		09/16/24 23:41	09/17/24 00:37	1
Magnesium	200	U	200	21.8	ug/L		09/16/24 23:41	09/17/24 00:37	1
Manganese	8.0	U	8.0	0.84	ug/L		09/16/24 23:41	09/17/24 00:37	1
Nickel	4.0	U	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 00:37	1
Potassium	200	U	200	83.3	ug/L		09/16/24 23:41	09/17/24 00:37	1
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 00:37	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 00:37	1
Sodium	500	U	500	180	ug/L		09/16/24 23:41	09/17/24 00:37	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 00:37	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 00:37	1
Zinc	16.0	U	16.0	4.2	ug/L		09/16/24 23:41	09/17/24 00:37	1

Lab Sample ID: MB 460-996212/7-A
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 996212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/16/24 23:41	09/17/24 19:17	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-996212/8-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	25.0	24.80		ug/L		99	80 - 120
Arsenic	50.0	50.12		ug/L		100	80 - 120
Barium	50.0	51.05		ug/L		102	80 - 120
Beryllium	25.0	25.70		ug/L		103	80 - 120
Cadmium	25.0	24.94		ug/L		100	80 - 120
Calcium	2500	2526		ug/L		101	80 - 120
Chromium	50.0	50.36		ug/L		101	80 - 120
Cobalt	25.0	25.46		ug/L		102	80 - 120
Copper	50.0	51.90		ug/L		104	80 - 120
Iron	2500	2489		ug/L		100	80 - 120
Lead	25.0	25.04		ug/L		100	80 - 120
Magnesium	2500	2506		ug/L		100	80 - 120
Manganese	250	241.3		ug/L		97	80 - 120
Nickel	50.0	51.32		ug/L		103	80 - 120
Potassium	2500	2532		ug/L		101	80 - 120
Selenium	50.0	47.61		ug/L		95	80 - 120
Silver	25.0	24.24		ug/L		97	80 - 120
Sodium	2500	2522		ug/L		101	80 - 120
Thallium	20.0	20.32		ug/L		102	80 - 120
Vanadium	50.0	49.61		ug/L		99	80 - 120
Zinc	250	241.9		ug/L		97	80 - 120

Lab Sample ID: LCS 460-996212/8-A
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2424		ug/L		97	80 - 120

Lab Sample ID: 460-311253-1 MS
Matrix: Water
Analysis Batch: 996107

Client Sample ID: RXTW-3
Prep Type: Dissolved
Prep Batch: 996212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.88	J	25.0	18.50	N	ug/L		71	75 - 125
Arsenic	4.4		50.0	55.63		ug/L		103	75 - 125
Barium	36.1		50.0	86.99		ug/L		102	75 - 125
Beryllium	0.80	U	25.0	24.92		ug/L		100	75 - 125
Cadmium	2.0	U	25.0	25.83		ug/L		103	75 - 125
Calcium	78700		2500	82670	4	ug/L		157	75 - 125
Chromium	4.0	U	50.0	51.49		ug/L		103	75 - 125
Cobalt	4.0	U	25.0	26.28		ug/L		105	75 - 125
Copper	4.0	U	50.0	52.29		ug/L		105	75 - 125
Iron	1550		2500	4121		ug/L		103	75 - 125
Lead	1.2	U	25.0	25.78		ug/L		103	75 - 125
Magnesium	9260		2500	11640		ug/L		95	75 - 125
Manganese	63.2		250	307.8		ug/L		98	75 - 125
Nickel	4.0	U	50.0	52.54		ug/L		105	75 - 125
Potassium	6460		2500	8955		ug/L		100	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311253-1 MS
Matrix: Water
Analysis Batch: 996107

Client Sample ID: RXTW-3
Prep Type: Dissolved
Prep Batch: 996212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	2.5	U	50.0	51.32		ug/L		103	75 - 125
Silver	2.0	U	25.0	21.07		ug/L		84	75 - 125
Sodium	32100		2500	33660	4	ug/L		62	75 - 125
Thallium	0.80	U	20.0	20.99		ug/L		105	75 - 125
Vanadium	4.0	U	50.0	51.57		ug/L		103	75 - 125
Zinc	20.8		250	272.1		ug/L		101	75 - 125

Lab Sample ID: 460-311253-1 MS
Matrix: Water
Analysis Batch: 996348

Client Sample ID: RXTW-3
Prep Type: Dissolved
Prep Batch: 996212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	40.0	U	2500	2451		ug/L		98	75 - 125

Lab Sample ID: 460-311253-1 DU
Matrix: Water
Analysis Batch: 996107

Client Sample ID: RXTW-3
Prep Type: Dissolved
Prep Batch: 996212

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	0.88	J	0.976	J	ug/L		11	20
Arsenic	4.4		4.41		ug/L		0.8	20
Barium	36.1		35.19		ug/L		3	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Calcium	78700		81830		ug/L		4	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	4.0	U	4.0	U	ug/L		NC	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Iron	1550		1570		ug/L		2	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Magnesium	9260		9386		ug/L		1	20
Manganese	63.2		62.40		ug/L		1	20
Nickel	4.0	U	4.0	U	ug/L		NC	20
Potassium	6460		6577		ug/L		2	20
Selenium	2.5	U	0.638	J	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	32100		32530		ug/L		1	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	4.0	U	4.0	U	ug/L		NC	20
Zinc	20.8		20.68		ug/L		0.7	20

Lab Sample ID: 460-311253-1 DU
Matrix: Water
Analysis Batch: 996348

Client Sample ID: RXTW-3
Prep Type: Dissolved
Prep Batch: 996212

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	40.0	U	40.0	U	ug/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-995681/1-A
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995681

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 11:44	09/13/24 14:14	1

Lab Sample ID: LCS 460-995681/2-A
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995681

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.02		ug/L		102	80 - 120

Lab Sample ID: 460-311121-L-6-C MS
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995681

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.06		ug/L		106	75 - 125

Lab Sample ID: 460-311121-L-6-D MSD
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995681

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	0.996		ug/L		100	75 - 125	7	20

Lab Sample ID: 460-311121-L-6-B DU
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 995681

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-995708/1-A
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 14:48	09/13/24 15:06	1

Lab Sample ID: LCS 460-995708/3-A
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.967		ug/L		97	80 - 120

Lab Sample ID: 460-311172-F-1-D MS
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 995708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	0.992		ug/L		99	75 - 125

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-311172-F-1-C DU
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 995708

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.20	U		0.20	U	ug/L				NC	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-995664/10
Matrix: Water
Analysis Batch: 995664

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10.0	U	10.0	8.1	ug/L			09/13/24 08:40	1

Lab Sample ID: LCSSRM 460-995664/11
Matrix: Water
Analysis Batch: 995664

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)			77.6	77.43		ug/L		99.8	84.1 - 114.4		

Lab Sample ID: MRL 460-995664/9
Matrix: Water
Analysis Batch: 995664

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)			10.0	11.37		ug/L		114	50 - 150		

Lab Sample ID: 460-311260-D-5 MS
Matrix: Water
Analysis Batch: 995664

Client Sample ID: Matrix Spike
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)	10.0	U	30.0	30.08		ug/L		100	85 - 115		

Lab Sample ID: 460-311260-D-5 DU
Matrix: Water
Analysis Batch: 995664

Client Sample ID: Duplicate
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cr (VI)	10.0	U		10.0	U	ug/L				NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-996283/12-A
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:01	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 460-996283/13-A
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.103		mg/L		103	85 - 115

Lab Sample ID: MRL 460-996283/11-A
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996283

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0110		mg/L		110	50 - 150

Lab Sample ID: 460-311263-H-1-B MS
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 996283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.010	U	0.200	0.210		mg/L		105	90 - 110

Lab Sample ID: 460-311263-H-1-C MSD
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 996283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.200	0.212		mg/L		106	90 - 110	1	35

GC/MS VOA

Analysis Batch: 996003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-2	RXTW-2	Total/NA	Water	8260D	
460-311253-3	RXTW-6	Total/NA	Water	8260D	
460-311253-4	TB_09122024	Total/NA	Water	8260D	
460-311253-5	Dup_09122024	Total/NA	Water	8260D	
MB 460-996003/10	Method Blank	Total/NA	Water	8260D	
LCS 460-996003/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-996003/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 996032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8260D	
MB 460-996032/11	Method Blank	Total/NA	Water	8260D	
LCS 460-996032/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-996032/21	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 995440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	3510C	
460-311253-2	RXTW-2	Total/NA	Water	3510C	
460-311253-3	RXTW-6	Total/NA	Water	3510C	
460-311253-5	Dup_09122024	Total/NA	Water	3510C	
MB 460-995440/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995440/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995440/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 995542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995440/1-A	Method Blank	Total/NA	Water	8270E SIM ID	995440
LCS 460-995440/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	995440
LCSD 460-995440/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	995440

Prep Batch: 995677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	3510C	
460-311253-2	RXTW-2	Total/NA	Water	3510C	
460-311253-3	RXTW-6	Total/NA	Water	3510C	
460-311253-5	Dup_09122024	Total/NA	Water	3510C	
MB 460-995677/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995677/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995677/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311201-D-1-A MS	Matrix Spike	Total/NA	Water	3510C	
460-311201-D-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 995765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8270E	995677
460-311253-2	RXTW-2	Total/NA	Water	8270E	995677
460-311253-3	RXTW-6	Total/NA	Water	8270E	995677
460-311253-5	Dup_09122024	Total/NA	Water	8270E	995677

GC/MS Semi VOA (Continued)

Analysis Batch: 995765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995677/1-A	Method Blank	Total/NA	Water	8270E	995677
LCS 460-995677/2-A	Lab Control Sample	Total/NA	Water	8270E	995677
LCSD 460-995677/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	995677
460-311201-D-1-A MS	Matrix Spike	Total/NA	Water	8270E	995677
460-311201-D-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	995677

Analysis Batch: 995964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8270E SIM ID	995440
460-311253-2	RXTW-2	Total/NA	Water	8270E SIM ID	995440
460-311253-3	RXTW-6	Total/NA	Water	8270E SIM ID	995440
460-311253-5	Dup_09122024	Total/NA	Water	8270E SIM ID	995440

GC Semi VOA

Filtration Batch: 995872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995872/1-B	Method Blank	Total/NA	Water	FILTRATION	

Prep Batch: 995875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	3510C	
460-311253-2	RXTW-2	Total/NA	Water	3510C	
460-311253-3	RXTW-6	Total/NA	Water	3510C	
460-311253-5	Dup_09122024	Total/NA	Water	3510C	
MB 460-995872/1-B	Method Blank	Total/NA	Water	3510C	995872
MB 460-995875/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995875/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995875/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 995877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	3510C	
460-311253-2	RXTW-2	Total/NA	Water	3510C	
460-311253-3	RXTW-6	Total/NA	Water	3510C	
460-311253-5	Dup_09122024	Total/NA	Water	3510C	
MB 460-995877/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995877/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995877/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311357-I-2-B MS	Matrix Spike	Total/NA	Water	3510C	
460-311357-Q-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 996037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8082A	995877
460-311253-2	RXTW-2	Total/NA	Water	8082A	995877
460-311253-3	RXTW-6	Total/NA	Water	8082A	995877
460-311253-5	Dup_09122024	Total/NA	Water	8082A	995877
MB 460-995877/1-A	Method Blank	Total/NA	Water	8082A	995877
LCS 460-995877/2-A	Lab Control Sample	Total/NA	Water	8082A	995877
LCSD 460-995877/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	995877

GC Semi VOA (Continued)

Analysis Batch: 996037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-I-2-B MS	Matrix Spike	Total/NA	Water	8082A	995877
460-311357-Q-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	8082A	995877

Analysis Batch: 996147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8081B	995875
460-311253-2	RXTW-2	Total/NA	Water	8081B	995875
460-311253-3	RXTW-6	Total/NA	Water	8081B	995875
460-311253-5	Dup_09122024	Total/NA	Water	8081B	995875
MB 460-995872/1-B	Method Blank	Total/NA	Water	8081B	995875
MB 460-995875/1-A	Method Blank	Total/NA	Water	8081B	995875
LCS 460-995875/2-A	Lab Control Sample	Total/NA	Water	8081B	995875
LCSD 460-995875/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	995875

Metals

Prep Batch: 995681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	7470A	
460-311253-2	RXTW-2	Total/NA	Water	7470A	
460-311253-3	RXTW-6	Total/NA	Water	7470A	
460-311253-5	Dup_09122024	Total/NA	Water	7470A	
MB 460-995681/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-995681/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-311121-L-6-C MS	Matrix Spike	Total/NA	Water	7470A	
460-311121-L-6-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
460-311121-L-6-B DU	Duplicate	Total/NA	Water	7470A	

Prep Batch: 995708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	7470A	
460-311253-2	RXTW-2	Dissolved	Water	7470A	
460-311253-3	RXTW-6	Dissolved	Water	7470A	
460-311253-5	Dup_09122024	Dissolved	Water	7470A	
MB 460-995708/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-995708/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-311172-F-1-D MS	Matrix Spike	Dissolved	Water	7470A	
460-311172-F-1-C DU	Duplicate	Dissolved	Water	7470A	

Analysis Batch: 995745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	7470A	995708
460-311253-1	RXTW-3	Total/NA	Water	7470A	995681
460-311253-2	RXTW-2	Dissolved	Water	7470A	995708
460-311253-2	RXTW-2	Total/NA	Water	7470A	995681
460-311253-3	RXTW-6	Dissolved	Water	7470A	995708
460-311253-3	RXTW-6	Total/NA	Water	7470A	995681
460-311253-5	Dup_09122024	Dissolved	Water	7470A	995708
460-311253-5	Dup_09122024	Total/NA	Water	7470A	995681
MB 460-995681/1-A	Method Blank	Total/NA	Water	7470A	995681
MB 460-995708/1-A	Method Blank	Total/NA	Water	7470A	995708

Metals (Continued)

Analysis Batch: 995745 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-995681/2-A	Lab Control Sample	Total/NA	Water	7470A	995681
LCS 460-995708/3-A	Lab Control Sample	Total/NA	Water	7470A	995708
460-311121-L-6-C MS	Matrix Spike	Total/NA	Water	7470A	995681
460-311121-L-6-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	995681
460-311172-F-1-D MS	Matrix Spike	Dissolved	Water	7470A	995708
460-311121-L-6-B DU	Duplicate	Total/NA	Water	7470A	995681
460-311172-F-1-C DU	Duplicate	Dissolved	Water	7470A	995708

Prep Batch: 995809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total Recoverable	Water	3005A	
460-311253-2	RXTW-2	Total Recoverable	Water	3005A	
460-311253-3	RXTW-6	Total Recoverable	Water	3005A	
460-311253-5	Dup_09122024	Total Recoverable	Water	3005A	
MB 460-995809/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-995809/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311253-1 MS	RXTW-3	Total Recoverable	Water	3005A	
460-311253-1 DU	RXTW-3	Total Recoverable	Water	3005A	

Analysis Batch: 996107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	6020B	996212
460-311253-1	RXTW-3	Total Recoverable	Water	6020B	995809
460-311253-2	RXTW-2	Dissolved	Water	6020B	996212
460-311253-2	RXTW-2	Total Recoverable	Water	6020B	995809
460-311253-3	RXTW-6	Total Recoverable	Water	6020B	995809
460-311253-5	Dup_09122024	Dissolved	Water	6020B	996212
460-311253-5	Dup_09122024	Total Recoverable	Water	6020B	995809
MB 460-995809/1-A	Method Blank	Total Recoverable	Water	6020B	995809
MB 460-996212/7-A	Method Blank	Total Recoverable	Water	6020B	996212
LCS 460-995809/2-A	Lab Control Sample	Total Recoverable	Water	6020B	995809
LCS 460-996212/8-A	Lab Control Sample	Total Recoverable	Water	6020B	996212
460-311253-1 MS	RXTW-3	Dissolved	Water	6020B	996212
460-311253-1 MS	RXTW-3	Total Recoverable	Water	6020B	995809
460-311253-1 DU	RXTW-3	Dissolved	Water	6020B	996212
460-311253-1 DU	RXTW-3	Total Recoverable	Water	6020B	995809

Prep Batch: 996212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	3005A	
460-311253-2	RXTW-2	Dissolved	Water	3005A	
460-311253-3	RXTW-6	Dissolved	Water	3005A	
460-311253-5	Dup_09122024	Dissolved	Water	3005A	
MB 460-996212/7-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-996212/8-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311253-1 MS	RXTW-3	Dissolved	Water	3005A	
460-311253-1 DU	RXTW-3	Dissolved	Water	3005A	

Analysis Batch: 996348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	6020B	996212

Metals (Continued)

Analysis Batch: 996348 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-2	RXTW-2	Dissolved	Water	6020B	996212
460-311253-3	RXTW-6	Dissolved	Water	6020B	996212
460-311253-5	Dup_09122024	Dissolved	Water	6020B	996212
MB 460-996212/7-A	Method Blank	Total Recoverable	Water	6020B	996212
LCS 460-996212/8-A	Lab Control Sample	Total Recoverable	Water	6020B	996212
460-311253-1 MS	RXTW-3	Dissolved	Water	6020B	996212
460-311253-1 DU	RXTW-3	Dissolved	Water	6020B	996212

General Chemistry

Analysis Batch: 995664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	7196A	
460-311253-2	RXTW-2	Total/NA	Water	7196A	
460-311253-3	RXTW-6	Total/NA	Water	7196A	
460-311253-5	Dup_09122024	Total/NA	Water	7196A	
MB 460-995664/10	Method Blank	Total/NA	Water	7196A	
LCSSRM 460-995664/11	Lab Control Sample	Total/NA	Water	7196A	
MRL 460-995664/9	Lab Control Sample	Total/NA	Water	7196A	
460-311260-D-5 MS	Matrix Spike	Dissolved	Water	7196A	
460-311260-D-5 DU	Duplicate	Dissolved	Water	7196A	

Analysis Batch: 996255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	7196A	
460-311253-2	RXTW-2	Total/NA	Water	7196A	
460-311253-3	RXTW-6	Total/NA	Water	7196A	
460-311253-5	Dup_09122024	Total/NA	Water	7196A	

Prep Batch: 996283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	9012B	
460-311253-2	RXTW-2	Total/NA	Water	9012B	
460-311253-3	RXTW-6	Total/NA	Water	9012B	
460-311253-5	Dup_09122024	Total/NA	Water	9012B	
MB 460-996283/12-A	Method Blank	Total/NA	Water	9012B	
LCS 460-996283/13-A	Lab Control Sample	Total/NA	Water	9012B	
MRL 460-996283/11-A	Lab Control Sample	Total/NA	Water	9012B	
460-311263-H-1-B MS	Matrix Spike	Total/NA	Water	9012B	
460-311263-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

Analysis Batch: 996331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	9012B	996283
460-311253-2	RXTW-2	Total/NA	Water	9012B	996283
460-311253-3	RXTW-6	Total/NA	Water	9012B	996283
460-311253-5	Dup_09122024	Total/NA	Water	9012B	996283
MB 460-996283/12-A	Method Blank	Total/NA	Water	9012B	996283
LCS 460-996283/13-A	Lab Control Sample	Total/NA	Water	9012B	996283
MRL 460-996283/11-A	Lab Control Sample	Total/NA	Water	9012B	996283
460-311263-H-1-B MS	Matrix Spike	Total/NA	Water	9012B	996283

General Chemistry (Continued)

Analysis Batch: 996331 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311263-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	996283

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311253-1

Client Sample ID: RXTW-3

Date Collected: 09/12/24 09:35
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996032	CJM	EET EDI	09/16/24 17:30
Total/NA	Prep	3510C			995677	NMP	EET EDI	09/13/24 11:23
Total/NA	Analysis	8270E		1	995765	YAH	EET EDI	09/14/24 02:07
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/13/24 09:09
Total/NA	Analysis	8270E SIM ID		1	995964	YAH	EET EDI	09/15/24 15:18
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/16/24 23:21
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 11:57
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996107	MDC	EET EDI	09/17/24 00:47
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/17/24 19:27
Total Recoverable	Prep	3005A			995809	GAE	EET EDI	09/13/24 22:35
Total Recoverable	Analysis	6020B		1	996107	MDC	EET EDI	09/16/24 10:21
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:25
Total/NA	Prep	7470A			995681	RBS	EET EDI	09/13/24 11:44
Total/NA	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 14:57
Total/NA	Analysis	7196A		1	996255	TJW	EET EDI	09/17/24 06:48
Total/NA	Analysis	7196A		1	995664	AXP	EET EDI	09/13/24 08:40
Total/NA	Prep	9012B			996283	AXP	EET EDI	09/17/24 08:38
Total/NA	Analysis	9012B		1	996331	AXP	EET EDI	09/17/24 11:26

Client Sample ID: RXTW-2

Date Collected: 09/12/24 12:30
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996003	KLB	EET EDI	09/16/24 01:25
Total/NA	Prep	3510C			995677	NMP	EET EDI	09/13/24 11:23
Total/NA	Analysis	8270E		1	995765	YAH	EET EDI	09/14/24 02:28
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/13/24 09:09
Total/NA	Analysis	8270E SIM ID		1	995964	YAH	EET EDI	09/15/24 15:34
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/16/24 23:33
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 12:19
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996107	MDC	EET EDI	09/17/24 00:52
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/17/24 19:32
Total Recoverable	Prep	3005A			995809	GAE	EET EDI	09/13/24 22:35
Total Recoverable	Analysis	6020B		1	996107	MDC	EET EDI	09/16/24 12:32

Client Sample ID: RXTW-2
Date Collected: 09/12/24 12:30
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:26
Total/NA	Prep	7470A			995681	RBS	EET EDI	09/13/24 11:44
Total/NA	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 14:59
Total/NA	Analysis	7196A		1	996255	TJW	EET EDI	09/17/24 06:48
Total/NA	Analysis	7196A		1	995664	AXP	EET EDI	09/13/24 08:40
Total/NA	Prep	9012B			996283	AXP	EET EDI	09/17/24 08:38
Total/NA	Analysis	9012B		1	996331	AXP	EET EDI	09/17/24 11:27

Client Sample ID: RXTW-6
Date Collected: 09/12/24 13:45
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996003	KLB	EET EDI	09/16/24 01:45
Total/NA	Prep	3510C			995677	NMP	EET EDI	09/13/24 11:23
Total/NA	Analysis	8270E		1	995765	YAH	EET EDI	09/14/24 02:48
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/13/24 09:09
Total/NA	Analysis	8270E SIM ID		1	995964	YAH	EET EDI	09/15/24 15:50
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/16/24 23:46
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 12:42
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/17/24 19:34
Total Recoverable	Prep	3005A			995809	GAE	EET EDI	09/13/24 22:35
Total Recoverable	Analysis	6020B		1	996107	MDC	EET EDI	09/16/24 12:35
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:28
Total/NA	Prep	7470A			995681	RBS	EET EDI	09/13/24 11:44
Total/NA	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:01
Total/NA	Analysis	7196A		1	996255	TJW	EET EDI	09/17/24 06:48
Total/NA	Analysis	7196A		1	995664	AXP	EET EDI	09/13/24 08:40
Total/NA	Prep	9012B			996283	AXP	EET EDI	09/17/24 08:38
Total/NA	Analysis	9012B		1	996331	AXP	EET EDI	09/17/24 11:28

Client Sample ID: TB_09122024
Date Collected: 09/12/24 13:45
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996003	KLB	EET EDI	09/15/24 23:45

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311253-1

Client Sample ID: Dup_09122024

Date Collected: 09/12/24 12:00
Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996003	KLB	EET EDI	09/16/24 02:05
Total/NA	Prep	3510C			995677	NMP	EET EDI	09/13/24 11:23
Total/NA	Analysis	8270E		1	995765	YAH	EET EDI	09/14/24 03:09
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/13/24 09:09
Total/NA	Analysis	8270E SIM ID		1	995964	YAH	EET EDI	09/15/24 16:06
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/16/24 23:58
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 13:04
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996107	MDC	EET EDI	09/17/24 01:06
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/17/24 19:37
Total Recoverable	Prep	3005A			995809	GAE	EET EDI	09/13/24 22:35
Total Recoverable	Analysis	6020B		1	996107	MDC	EET EDI	09/16/24 12:37
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:30
Total/NA	Prep	7470A			995681	RBS	EET EDI	09/13/24 11:44
Total/NA	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:02
Total/NA	Analysis	7196A		1	996255	TJW	EET EDI	09/17/24 06:48
Total/NA	Analysis	7196A		1	995664	AXP	EET EDI	09/13/24 08:40
Total/NA	Prep	9012B			996283	AXP	EET EDI	09/17/24 08:38
Total/NA	Analysis	9012B		1	996331	AXP	EET EDI	09/17/24 11:29

Laboratory References:

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Edison

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
7196A		Water	Cr (III)
8270E	3510C	Water	3 & 4 Methylphenol

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7196A	Chromium, Hexavalent	SW846	EET EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311253-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311253-1	RXTW-3	Water	09/12/24 09:35	09/12/24 19:00
460-311253-2	RXTW-2	Water	09/12/24 12:30	09/12/24 19:00
460-311253-3	RXTW-6	Water	09/12/24 13:45	09/12/24 19:00
460-311253-4	TB_09122024	Water	09/12/24 13:45	09/12/24 19:00
460-311253-5	Dup_09122024	Water	09/12/24 12:00	09/12/24 19:00

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 222

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	EMERY LOVELAMP	Flannery, Elizabeth J		460-185738-121604 1
Client Contact: Lauren Dolginko	Phone 704-770-6813	E-Mail Elizabeth.Flannery@et.eurofinsus.com	State of Origin	Page Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID			Job # 311753

Address: 209 Shafter St	Due Date Requested: STANDARD	
City: Islandia	TAT Requested (days): Standard	
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No	
Phone: 631-232-2600	PO #: Purchase Order Requested	
Email: ldolginko@rouxinc.com	WO #: 2828 W 28th Street	
Project Name: 2828 W 28th Street	Project #: 46044510	
Site: 2828 W 28TH ST	SSOW#:	

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B - Pesticides, 8082A - PCBs	8270E_SIM_MS_ID - 1,4-Dioxane (GC/MS SIM / Isotope Dilutio	8270E - Part 375 BNAs	7196A - Hex Chrome, 7196A_CR3- Tri Chrome	6020B - Part 375 Metals, 7470A - Mercury/6020B - Dissolved Part 375 Metals (Field Filtered), 7470 - Diss. Mercury (Field Filtered)	8260D - Part 375 VOCs	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code.				N	N	N	N	D	A	B		
PXTW-3	9/12/24	0935	G	W	Y	N	X	X	X	X	X	X	X	17	DISS METALS FIELD FILTERED
PXTW-2	↓	1230	G	W	Y	N	X	X	X	X	X	X	X	17	
PXMW-6	↓	1345	G	W	Y	N	X	X	X	X	X	X	X	17	
TB-09122024	5/29/24	—	—	W	N	N						X		2	
DUP-09122024	9/12/24	1200	G	W	Y	N	X	X	X	X	X	X	X	17	

460-311253 Chain of Custody

SHORT HOLD

Other:

Preservation Codes:
N - None
D - HNO3
A - HCL
B - NaOH

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company		Date/Time	Company
Relinquished by	9/12/24 1440	Roux	Received by	9/12/24 1440	TF
Relinquished by	Date/Time	Company	Received by	9-12-24 1630	ET
Relinquished by	9-12-24 1900	ET	Received by	9/12/24 1900	ET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks

MO/CB ER # 9 0.9/1.1 — 1.0/1.2

Ver 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 31253

Number of Coolers: 2 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	0.6 °C	1.1 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.0 °C	1.3 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2								>12			
2				<2								>12			
3				<2								>12			
5				<2								>12			

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

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

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

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

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

Initials: _____ Date: 9-12-24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311253-1

Login Number: 311253
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 9/20/2024 6:52:14 AM

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311274-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Compliance Statement

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

Authorization

Generated
9/20/2024 6:52:14 AM

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

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Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Qualifiers

LCMS

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

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

Job Narrative
460-311274-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/12/2024 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

Method 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS
Samples RXMW-6_P (460-311274-1) and FB_09122024_P (460-311274-2) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS. The samples were prepared on 9/16/2024 and analyzed on 9/17/2024.

The low level continuing calibration verification (CCVL) and continuing calibration verification (CCV) associated with batch 240-627188 recovered outside of control limits for IDA compound(s) (flagged). Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCV(s) must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analyte(s) associated with this IDA are within spec, data is reported.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXMW-6_P
Lab Sample ID: 460-311274-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	13.7		6.19	1.65	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	9.57		3.09	0.77	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	10.6		1.55	0.39	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.78		1.55	0.39	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	20.8		1.55	0.39	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	2.94		1.55	0.39	ng/L	1		1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.85	J	1.55	0.39	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.28		1.55	0.39	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.53	J	1.55	0.40	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	15.3		1.55	0.39	ng/L	1		1633	Total/NA
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	4.29	J	6.19	1.55	ng/L	1		1633	Total/NA

Client Sample ID: FB_09122024_P
Lab Sample ID: 460-311274-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXMW-6_P
Lab Sample ID: 460-311274-1
Date Collected: 09/12/24 12:45
Matrix: Water
Date Received: 09/12/24 19:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**13.7**		6.19	1.65	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluoropentanoic acid (PFPeA)	**9.57**		3.09	0.77	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorohexanoic acid (PFHxA)	**10.6**		1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluoroheptanoic acid (PFHpA)	**5.78**		1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorooctanoic acid (PFOA)	**20.8**		1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorononanoic acid (PFNA)	**2.94**		1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorodecanoic acid (PFDA)	**0.85**	**J**	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluoroundecanoic acid (PFUnA)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorododecanoic acid (PFDoA)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorotridecanoic acid (PFTrDA)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorotetradecanoic acid (PFTeDA)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorobutanesulfonic acid (PFBS)	**2.28**		1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluoropentanesulfonic acid (PFPeS)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorohexanesulfonic acid (PFHxS)	**1.53**	**J**	1.55	0.40	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluoroheptanesulfonic acid (PFHpS)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorooctanesulfonic acid (PFOS)	**15.3**		1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorononanesulfonic acid (PFNS)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorododecanesulfonic acid (PFDoS)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.19	U	6.19	1.55	ng/L		09/16/24 08:32	09/17/24 00:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.19	U	6.19	1.55	ng/L		09/16/24 08:32	09/17/24 00:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.19	U	6.19	1.55	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorooctanesulfonamide (PFOSA)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.55	U	1.55	0.48	ng/L		09/16/24 08:32	09/17/24 00:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.55	U	1.55	0.40	ng/L		09/16/24 08:32	09/17/24 00:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.5	U	15.5	3.87	ng/L		09/16/24 08:32	09/17/24 00:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.5	U	15.5	3.87	ng/L		09/16/24 08:32	09/17/24 00:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	**4.29**	**J**	6.19	1.55	ng/L		09/16/24 08:32	09/17/24 00:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.19	U	6.19	1.55	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.09	U	3.09	0.77	ng/L		09/16/24 08:32	09/17/24 00:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.09	U	3.09	0.94	ng/L		09/16/24 08:32	09/17/24 00:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.19	U	6.19	1.55	ng/L		09/16/24 08:32	09/17/24 00:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.19	U	6.19	1.55	ng/L		09/16/24 08:32	09/17/24 00:00	1

Client Sample ID: RXMW-6_P — **Lab Sample ID: 460-311274-1**
Date Collected: 09/12/24 12:45 — **Matrix: Water**
Date Received: 09/12/24 19:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.09	U	3.09	0.77	ng/L		09/16/24 08:32	09/17/24 00:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.74	U	7.74	1.93	ng/L		09/16/24 08:32	09/17/24 00:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	38.7	U	38.7	9.67	ng/L		09/16/24 08:32	09/17/24 00:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	38.7	U	38.7	11.5	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluorodecanesulfonic acid (PFDS)	1.55	U	1.55	0.39	ng/L		09/16/24 08:32	09/17/24 00:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.09	U	3.09	0.77	ng/L		09/16/24 08:32	09/17/24 00:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.6*		*10 - 130*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C5 PFPeA	*79.1*		*35 - 150*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C5 PFHxA	*70.7*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C4 PFHpA	*80.3*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C8 PFOA	*83.5*		*60 - 140*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C9 PFNA	*100*		*55 - 140*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C6 PFDA	*97.8*		*50 - 140*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C7 PFUnA	*81.4*		*30 - 140*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C2 PFTeDA	*55.7*		*10 - 130*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C3 PFBS	*99.9*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C3 PFHxS	*94.5*		*55 - 150*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C8 PFOS	*89.5*		*45 - 140*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C8 FOSA	*84.6*		*30 - 130*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
d3-NMeFOSAA	*79.0*		*45 - 200*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
d5-NEtFOSAA	*83.9*		*10 - 200*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
M2-4:2 FTS	*128*		*60 - 200*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
M2-6:2 FTS	*127*		*60 - 200*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
M2-8:2 FTS	*121*		*50 - 200*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C3 HFPO-DA	*75.9*		*25 - 160*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
d7-N-MeFOSE-M	*80.7*		*10 - 150*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
d9-N-EtFOSE-M	*69.5*		*10 - 150*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
d5-NEtPFOSA	*61.5*		*10 - 130*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
d3-NMePFOSA	*63.4*		*15 - 130*	*09/16/24 08:32*	*09/17/24 00:00*	*1*
13C2-PFDoDA	*75.8*		*10 - 150*	*09/16/24 08:32*	*09/17/24 00:00*	*1*

Client Sample ID: FB_09122024_P — **Lab Sample ID: 460-311274-2**
Date Collected: 09/12/24 13:55 — **Matrix: Water**
Date Received: 09/12/24 19:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.35	U	6.35	1.69	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluoropentanoic acid (PFPeA)	3.17	U	3.17	0.79	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorohexanoic acid (PFHxA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluoroheptanoic acid (PFHpA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorooctanoic acid (PFOA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorononanoic acid (PFNA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorodecanoic acid (PFDA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluoroundecanoic acid (PFUnA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Client Sample ID: FB_09122024_P
Lab Sample ID: 460-311274-2
Date Collected: 09/12/24 13:55
Matrix: Water
Date Received: 09/12/24 19:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorotridecanoic acid (PFTrDA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorotetradecanoic acid (PFTeDA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorobutanesulfonic acid (PFBS)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluoropentanesulfonic acid (PFPeS)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorohexanesulfonic acid (PFHxS)	1.59	U	1.59	0.41	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluoroheptanesulfonic acid (PFHpS)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorooctanesulfonic acid (PFOS)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorononanesulfonic acid (PFNS)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorododecanesulfonic acid (PFDoS)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.35	U	6.35	1.59	ng/L		09/16/24 08:32	09/17/24 00:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.35	U	6.35	1.59	ng/L		09/16/24 08:32	09/17/24 00:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.35	U	6.35	1.59	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorooctanesulfonamide (PFOSA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.59	U	1.59	0.49	ng/L		09/16/24 08:32	09/17/24 00:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.59	U	1.59	0.41	ng/L		09/16/24 08:32	09/17/24 00:13	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.9	U	15.9	3.97	ng/L		09/16/24 08:32	09/17/24 00:13	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.9	U	15.9	3.97	ng/L		09/16/24 08:32	09/17/24 00:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.35	U	6.35	1.59	ng/L		09/16/24 08:32	09/17/24 00:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.35	U	6.35	1.59	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.17	U	3.17	0.79	ng/L		09/16/24 08:32	09/17/24 00:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.17	U	3.17	0.97	ng/L		09/16/24 08:32	09/17/24 00:13	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.35	U	6.35	1.59	ng/L		09/16/24 08:32	09/17/24 00:13	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.35	U	6.35	1.59	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.17	U	3.17	0.79	ng/L		09/16/24 08:32	09/17/24 00:13	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.94	U	7.94	1.98	ng/L		09/16/24 08:32	09/17/24 00:13	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.7	U	39.7	9.92	ng/L		09/16/24 08:32	09/17/24 00:13	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.7	U	39.7	11.8	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluorodecanesulfonic acid (PFDS)	1.59	U	1.59	0.40	ng/L		09/16/24 08:32	09/17/24 00:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.17	U	3.17	0.79	ng/L		09/16/24 08:32	09/17/24 00:13	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Client Sample ID: FB_09122024_P
Lab Sample ID: 460-311274-2
Date Collected: 09/12/24 13:55
Matrix: Water
Date Received: 09/12/24 19:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.0		10 - 130	09/16/24 08:32	09/17/24 00:13	1
13C5 PFPeA	78.6		35 - 150	09/16/24 08:32	09/17/24 00:13	1
13C5 PFHxA	75.6		55 - 150	09/16/24 08:32	09/17/24 00:13	1
13C4 PFHpA	78.3		55 - 150	09/16/24 08:32	09/17/24 00:13	1
13C8 PFOA	86.0		60 - 140	09/16/24 08:32	09/17/24 00:13	1
13C9 PFNA	88.1		55 - 140	09/16/24 08:32	09/17/24 00:13	1
13C6 PFDA	99.6		50 - 140	09/16/24 08:32	09/17/24 00:13	1
13C7 PFUnA	96.2		30 - 140	09/16/24 08:32	09/17/24 00:13	1
13C2 PFTeDA	70.4		10 - 130	09/16/24 08:32	09/17/24 00:13	1
13C3 PFBS	101		55 - 150	09/16/24 08:32	09/17/24 00:13	1
13C3 PFHxS	95.9		55 - 150	09/16/24 08:32	09/17/24 00:13	1
13C8 PFOS	98.9		45 - 140	09/16/24 08:32	09/17/24 00:13	1
13C8 FOSA	92.3		30 - 130	09/16/24 08:32	09/17/24 00:13	1
d3-NMeFOSAA	98.4		45 - 200	09/16/24 08:32	09/17/24 00:13	1
d5-NEtFOSAA	102		10 - 200	09/16/24 08:32	09/17/24 00:13	1
M2-4:2 FTS	138		60 - 200	09/16/24 08:32	09/17/24 00:13	1
M2-6:2 FTS	121		60 - 200	09/16/24 08:32	09/17/24 00:13	1
M2-8:2 FTS	125		50 - 200	09/16/24 08:32	09/17/24 00:13	1
13C3 HFPO-DA	78.6		25 - 160	09/16/24 08:32	09/17/24 00:13	1
d7-N-MeFOSE-M	89.4		10 - 150	09/16/24 08:32	09/17/24 00:13	1
d9-N-EtFOSE-M	86.5		10 - 150	09/16/24 08:32	09/17/24 00:13	1
d5-NEtPFOSA	66.3		10 - 130	09/16/24 08:32	09/17/24 00:13	1
d3-NMePFOSA	69.6		15 - 130	09/16/24 08:32	09/17/24 00:13	1
13C2-PFDoDA	97.4		10 - 150	09/16/24 08:32	09/17/24 00:13	1

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(35-150)	(55-150)	(55-150)	(60-140)	(55-140)	(50-140)	(30-140)
460-311274-1	RXMW-6_P	86.6	79.1	70.7	80.3	83.5	100	97.8	81.4
460-311274-2	FB_09122024_P	88.0	78.6	75.6	78.3	86.0	88.1	99.6	96.2
480-223347-A-1-C MS	Matrix Spike	90.6	57.1	63.1	83.4	65.7	109	110	86.6
480-223347-B-1-B MSD	Matrix Spike Duplicate	90.7	60.9	67.6	89.3	66.7	107	105	77.5
480-223347-D-3-A DU	Duplicate	89.5	61.4	68.5	88.4	69.3	124	104	101
MB 240-627062/1-A	Method Blank	87.1	74.2	73.8	76.9	81.9	97.4	106	97.0

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(55-150)	(55-150)	(45-140)	(30-130)	(45-200)	(10-200)	(60-200)
460-311274-1	RXMW-6_P	55.7	99.9	94.5	89.5	84.6	79.0	83.9	128
460-311274-2	FB_09122024_P	70.4	101	95.9	98.9	92.3	98.4	102	138
480-223347-A-1-C MS	Matrix Spike	57.7	96.7	98.8	97.4	93.3	64.7	76.9	89.5
480-223347-B-1-B MSD	Matrix Spike Duplicate	46.4	92.3	97.3	98.6	95.6	63.2	78.2	86.8
480-223347-D-3-A DU	Duplicate	72.9	95.1	87.1	91.3	99.8	67.4	84.4	90.5
MB 240-627062/1-A	Method Blank	68.8	98.7	96.4	96.4	91.8	96.4	101	130

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(60-200)	(50-200)	(25-160)	(10-150)	(10-150)	(10-130)	(15-130)	(10-150)
460-311274-1	RXMW-6_P	127	121	75.9	80.7	69.5	61.5	63.4	75.8
460-311274-2	FB_09122024_P	121	125	78.6	89.4	86.5	66.3	69.6	97.4
480-223347-A-1-C MS	Matrix Spike	104	110	77.0	69.7	62.6	52.4	57.6	71.0
480-223347-B-1-B MSD	Matrix Spike Duplicate	104	102	78.1	71.3	61.1	51.2	59.2	59.8
480-223347-D-3-A DU	Duplicate	97.7	111	79.2	72.1	74.7	66.0	67.1	83.0
MB 240-627062/1-A	Method Blank	127	118	75.4	86.7	76.3	64.9	67.0	90.0

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

PFDoDA = 13C2-PFDoDA

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(40-150)	(40-150)	(40-150)	(30-140)	(30-140)	(20-140)	(20-140)
LCS 240-627062/3-A	Lab Control Sample	82.3	73.2	71.3	76.2	85.7	87.4	90.9	102
LLCS 240-627062/2-A	Lab Control Sample	84.3	73.7	73.0	72.0	79.1	89.0	103	90.3

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(25-150)	(25-150)	(20-140)	(10-130)	(10-200)	(10-200)	(25-200)
LCS 240-627062/3-A	Lab Control Sample	76.7	90.6	89.2	88.3	82.0	82.0	92.5	127
LLCS 240-627062/2-A	Lab Control Sample	67.5	97.8	91.6	90.6	86.2	89.2	91.8	135

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(25-200)	(25-200)	(25-160)	(10-150)	(10-150)	(10-130)	(10-130)	(10-150)
LCS 240-627062/3-A	Lab Control Sample	117	115	72.8	73.6	75.3	59.8	60.9	86.1
LLCS 240-627062/2-A	Lab Control Sample	122	113	74.1	78.3	79.3	60.8	65.9	95.7

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-627062/1-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.00	U	8.00	2.13	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoropentanoic acid (PFPeA)	4.00	U	4.00	1.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorotridecanoic acid (PFTrDA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorotetradecanoic acid (PFTeDA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoropentanesulfonic acid (PFPeS)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.52	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoroheptanesulfonic acid (PFHpS)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorononanesulfonic acid (PFNS)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorododecanesulfonic acid (PFDoS)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	8.00	U	8.00	2.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	8.00	U	8.00	2.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	8.00	U	8.00	2.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorooctanesulfonamide (PFOSA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.62	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.52	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	U	20.0	5.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	U	20.0	5.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	U	8.00	2.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.00	U	8.00	2.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	U	4.00	1.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	U	4.00	1.22	ng/L		09/16/24 08:32	09/16/24 21:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		09/16/24 08:32	09/16/24 21:17	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-627062/1-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.00	U	4.00	1.00	ng/L		09/16/24 08:32	09/16/24 21:17	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	U	10.0	2.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	U	50.0	12.5	ng/L		09/16/24 08:32	09/16/24 21:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	U	50.0	14.9	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.50	ng/L		09/16/24 08:32	09/16/24 21:17	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	U	4.00	1.00	ng/L		09/16/24 08:32	09/16/24 21:17	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87.1*		*10 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C5 PFPeA	*74.2*		*35 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C5 PFHxA	*73.8*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C4 PFHpA	*76.9*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C8 PFOA	*81.9*		*60 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C9 PFNA	*97.4*		*55 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C6 PFDA	*106*		*50 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C7 PFUnA	*97.0*		*30 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C2 PFTeDA	*68.8*		*10 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C3 PFBS	*98.7*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C3 PFHxS	*96.4*		*55 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C8 PFOS	*96.4*		*45 - 140*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C8 FOSA	*91.8*		*30 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d3-NMeFOSAA	*96.4*		*45 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d5-NEtFOSAA	*101*		*10 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
M2-4:2 FTS	*130*		*60 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
M2-6:2 FTS	*127*		*60 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
M2-8:2 FTS	*118*		*50 - 200*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C3 HFPO-DA	*75.4*		*25 - 160*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d7-N-MeFOSE-M	*86.7*		*10 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d9-N-EtFOSE-M	*76.3*		*10 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d5-NEtPFOSA	*64.9*		*10 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
d3-NMePFOSA	*67.0*		*15 - 130*	*09/16/24 08:32*	*09/16/24 21:17*	*1*
13C2-PFDoDA	*90.0*		*10 - 150*	*09/16/24 08:32*	*09/16/24 21:17*	*1*

Lab Sample ID: LCS 240-627062/3-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	100	97.72		ng/L		98	58 - 148
Perfluoropentanoic acid (PFPeA)	50.0	51.55		ng/L		103	54 - 152
Perfluorohexanoic acid (PFHxA)	25.0	27.61		ng/L		110	55 - 152
Perfluoroheptanoic acid (PFHpA)	25.0	24.83		ng/L		99	54 - 154
Perfluorooctanoic acid (PFOA)	25.0	27.03		ng/L		108	52 - 161
Perfluorononanoic acid (PFNA)	25.0	25.23		ng/L		101	59 - 149
Perfluorodecanoic acid (PFDA)	25.0	27.25		ng/L		109	52 - 147

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-627062/3-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	25.0	20.21		ng/L		81	48 - 159
Perfluorododecanoic acid (PFDoA)	25.0	24.44		ng/L		98	64 - 142
Perfluorotridecanoic acid (PFTrDA)	25.0	21.55		ng/L		86	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	25.0	24.19		ng/L		97	47 - 161
Perfluorobutanesulfonic acid (PFBS)	22.1	22.42		ng/L		101	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	23.5	25.26		ng/L		108	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	22.8	24.70		ng/L		109	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	23.8	23.17		ng/L		97	55 - 152
Perfluorooctanesulfonic acid (PFOS)	23.2	22.10		ng/L		95	58 - 149
Perfluorononanesulfonic acid (PFNS)	24.0	22.56		ng/L		94	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	24.2	19.11		ng/L		79	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	93.4	84.09		ng/L		90	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	94.8	86.81		ng/L		92	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	95.8	87.77		ng/L		92	63 - 152
Perfluorooctanesulfonamide (PFOSA)	25.0	26.72		ng/L		107	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	25.0	29.53		ng/L		118	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	25.0	27.75		ng/L		111	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.0	26.33		ng/L		105	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	22.77		ng/L		91	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	250	257.3		ng/L		103	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	250	257.6		ng/L		103	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	91.92		ng/L		92	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.2	100.8		ng/L		107	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	49.26		ng/L		99	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	50.0	54.90		ng/L		110	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	93.2	90.75		ng/L		97	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	94.2	87.88		ng/L		93	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	44.5	47.84		ng/L		108	56 - 151

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-627062/3-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	125	111.2		ng/L		89	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	625	480.4		ng/L		77	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	625	550.4		ng/L		88	50 - 138
Perfluorodecanesulfonic acid (PFDS)	24.1	22.87		ng/L		95	51 - 147
Perfluoro-3-methoxypropanoic acid (PFMPA)	50.0	48.09		ng/L		96	51 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*82.3*		*10 - 130*
13C5 PFPeA	*73.2*		*40 - 150*
13C5 PFHxA	*71.3*		*40 - 150*
13C4 PFHpA	*76.2*		*40 - 150*
13C8 PFOA	*85.7*		*30 - 140*
13C9 PFNA	*87.4*		*30 - 140*
13C6 PFDA	*90.9*		*20 - 140*
13C7 PFUnA	*102*		*20 - 140*
13C2 PFTeDA	*76.7*		*10 - 130*
13C3 PFBS	*90.6*		*25 - 150*
13C3 PFHxS	*89.2*		*25 - 150*
13C8 PFOS	*88.3*		*20 - 140*
13C8 FOSA	*82.0*		*10 - 130*
d3-NMeFOSAA	*82.0*		*10 - 200*
d5-NEtFOSAA	*92.5*		*10 - 200*
M2-4:2 FTS	*127*		*25 - 200*
M2-6:2 FTS	*117*		*25 - 200*
M2-8:2 FTS	*115*		*25 - 200*
13C3 HFPO-DA	*72.8*		*25 - 160*
d7-N-MeFOSE-M	*73.6*		*10 - 150*
d9-N-EtFOSE-M	*75.3*		*10 - 150*
d5-NEtPFOSA	*59.8*		*10 - 130*
d3-NMePFOSA	*60.9*		*10 - 130*
13C2-PFDoDA	*86.1*		*10 - 150*

Lab Sample ID: LLCS 240-627062/2-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.229		ng/L		103	44 - 157
Perfluoropentanoic acid (PFPeA)	4.00	4.402		ng/L		110	57 - 148
Perfluorohexanoic acid (PFHxA)	2.00	2.202		ng/L		110	62 - 149
Perfluoroheptanoic acid (PFHpA)	2.00	2.314		ng/L		116	56 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.420		ng/L		121	57 - 161
Perfluorononanoic acid (PFNA)	2.00	2.123		ng/L		106	53 - 157
Perfluorodecanoic acid (PFDA)	2.00	2.171		ng/L		109	43 - 158

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-627062/2-A
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.00	2.052		ng/L		103	50 - 155
Perfluorododecanoic acid (PFDoA)	2.00	1.960	J	ng/L		98	60 - 141
Perfluorotridecanoic acid (PFTrDA)	2.00	1.911	J	ng/L		96	52 - 140
Perfluorotetradecanoic acid (PFTeDA)	2.00	2.411		ng/L		121	52 - 156
Perfluorobutanesulfonic acid (PFBS)	1.77	1.818	J	ng/L		103	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.88	2.217		ng/L		118	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	1.82	2.311		ng/L		127	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	1.90	2.100		ng/L		110	51 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.829	J	ng/L		99	43 - 162
Perfluorononanesulfonic acid (PFNS)	1.92	2.044		ng/L		106	46 - 151
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.487	J	ng/L		77	30 - 138
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.47	7.213	J	ng/L		97	52 - 158
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.58	7.513	J	ng/L		99	48 - 158
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.66	7.645	J	ng/L		100	46 - 165
Perfluorooctanesulfonamide (PFOSA)	2.00	2.302		ng/L		115	47 - 163
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	2.403		ng/L		120	54 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	2.378		ng/L		119	49 - 156
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.235		ng/L		112	32 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.996	J	ng/L		100	51 - 154
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	19.57	J	ng/L		98	56 - 151
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.84	J	ng/L		99	60 - 147
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	8.257		ng/L		103	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.54	8.568		ng/L		114	61 - 148
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.080		ng/L		102	49 - 154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.175		ng/L		104	47 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	7.46	7.595	J	ng/L		102	44 - 167
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	7.54	7.173	J	ng/L		95	36 - 158
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.56	3.999	J	ng/L		112	56 - 144

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-627062/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 627188
Prep Batch: 627062

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	9.388	J	ng/L		94	32 - 161
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	41.42	J	ng/L		83	39 - 156
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	43.07	J	ng/L		86	36 - 149
Perfluorodecanesulfonic acid (PFDS)	1.93	1.849	J	ng/L		96	50 - 144
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.185		ng/L		105	48 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*84.3*		*10 - 130*
13C5 PFPeA	*73.7*		*40 - 150*
13C5 PFHxA	*73.0*		*40 - 150*
13C4 PFHpA	*72.0*		*40 - 150*
13C8 PFOA	*79.1*		*30 - 140*
13C9 PFNA	*89.0*		*30 - 140*
13C6 PFDA	*103*		*20 - 140*
13C7 PFUnA	*90.3*		*20 - 140*
13C2 PFTeDA	*67.5*		*10 - 130*
13C3 PFBS	*97.8*		*25 - 150*
13C3 PFHxS	*91.6*		*25 - 150*
13C8 PFOS	*90.6*		*20 - 140*
13C8 FOSA	*86.2*		*10 - 130*
d3-NMeFOSAA	*89.2*		*10 - 200*
d5-NEtFOSAA	*91.8*		*10 - 200*
M2-4:2 FTS	*135*		*25 - 200*
M2-6:2 FTS	*122*		*25 - 200*
M2-8:2 FTS	*113*		*25 - 200*
13C3 HFPO-DA	*74.1*		*25 - 160*
d7-N-MeFOSE-M	*78.3*		*10 - 150*
d9-N-EtFOSE-M	*79.3*		*10 - 150*
d5-NEtPFOSA	*60.8*		*10 - 130*
d3-NMePFOSA	*65.9*		*10 - 130*
13C2-PFDoDA	*95.7*		*10 - 150*

Lab Sample ID: 480-223347-A-1-C MS
Client Sample ID: Matrix Spike
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 627188
Prep Batch: 627062

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.36	U	101	101.4		ng/L		101	58 - 148
Perfluoropentanoic acid (PFPeA)	28.8		50.3	80.43		ng/L		103	54 - 152
Perfluorohexanoic acid (PFHxA)	23.4		25.2	57.24		ng/L		135	55 - 152
Perfluoroheptanoic acid (PFHpA)	24.6		25.2	47.77		ng/L		92	54 - 154
Perfluorooctanoic acid (PFOA)	471		25.2	485.7		ng/L		57	52 - 161
Perfluorononanoic acid (PFNA)	52.4		25.2	78.07		ng/L		102	59 - 149
Perfluorodecanoic acid (PFDA)	2.07	J	25.2	24.86		ng/L		91	52 - 147

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-223347-A-1-C MS
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	1.65	J	25.2	23.73		ng/L		88	48 - 159
Perfluorododecanoic acid (PFDoA)	2.09	U	25.2	24.92		ng/L		99	64 - 142
Perfluorotridecanoic acid (PFTrDA)	0.86	J	25.2	19.25		ng/L		73	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	2.09	U	25.2	23.27		ng/L		93	47 - 161
Perfluorobutanesulfonic acid (PFBS)	10.4		22.2	33.10		ng/L		102	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	2.09	U	23.6	26.10		ng/L		111	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	6.76		22.9	33.43		ng/L		116	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	0.52	J	24.0	24.60		ng/L		103	55 - 152
Perfluorooctanesulfonic acid (PFOS)	13.3		23.3	35.85		ng/L		96	58 - 149
Perfluorononanesulfonic acid (PFNS)	2.09	U	24.2	19.83		ng/L		82	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	2.09	U	24.4	12.56		ng/L		52	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	8.36	U	94.0	93.07		ng/L		99	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.33	J	95.4	94.45		ng/L		96	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.99	J	96.4	96.50		ng/L		94	63 - 152
Perfluorooctanesulfonamide (PFOSA)	0.57	J	25.2	28.36		ng/L		110	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.09	U	25.2	28.46		ng/L		113	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.09	U	25.2	28.03		ng/L		111	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.09	U	25.2	27.81		ng/L		111	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.09	U	25.2	22.62		ng/L		90	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.9	U	252	266.4		ng/L		106	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.9	U	252	238.7		ng/L		95	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.36	U	101	99.87		ng/L		99	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.36	U	94.8	140.7	*	ng/L		148	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.18	U	50.3	61.85		ng/L		123	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.18	U	50.3	43.38		ng/L		86	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	8.36	U	93.8	111.9		ng/L		119	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	8.36	U	94.8	77.87		ng/L		82	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.18	U	44.8	66.29		ng/L		148	56 - 151

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-223347-A-1-C MS
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.5	U	126	153.2		ng/L		122	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	52.3	U	629	727.3		ng/L		116	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	52.3	U	629	988.1	*	ng/L		157	50 - 138
Perfluorodecanesulfonic acid (PFDS)	2.09	U	24.3	15.92		ng/L		66	51 - 147
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.18	U	50.3	51.18		ng/L		102	51 - 145

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*90.6*		*10 - 130*
13C5 PFPeA	*57.1*		*35 - 150*
13C5 PFHxA	*63.1*		*55 - 150*
13C4 PFHpA	*83.4*		*55 - 150*
13C8 PFOA	*65.7*		*60 - 140*
13C9 PFNA	*109*		*55 - 140*
13C6 PFDA	*110*		*50 - 140*
13C7 PFUnA	*86.6*		*30 - 140*
13C2 PFTeDA	*57.7*		*10 - 130*
13C3 PFBS	*96.7*		*55 - 150*
13C3 PFHxS	*98.8*		*55 - 150*
13C8 PFOS	*97.4*		*45 - 140*
13C8 FOSA	*93.3*		*30 - 130*
d3-NMeFOSAA	*64.7*		*45 - 200*
d5-NEtFOSAA	*76.9*		*10 - 200*
M2-4:2 FTS	*89.5*		*60 - 200*
M2-6:2 FTS	*104*		*60 - 200*
M2-8:2 FTS	*110*		*50 - 200*
13C3 HFPO-DA	*77.0*		*25 - 160*
d7-N-MeFOSE-M	*69.7*		*10 - 150*
d9-N-EtFOSE-M	*62.6*		*10 - 150*
d5-NEtPFOSA	*52.4*		*10 - 130*
d3-NMePFOSA	*57.6*		*15 - 130*
13C2-PFDoDA	*71.0*		*10 - 150*

Lab Sample ID: 480-223347-B-1-B MSD
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	8.36	U	103	99.15		ng/L		97	58 - 148	2	30
Perfluoropentanoic acid (PFPeA)	28.8		51.3	74.59		ng/L		89	54 - 152	8	30
Perfluorohexanoic acid (PFHxA)	23.4		25.7	51.01		ng/L		108	55 - 152	12	30
Perfluoroheptanoic acid (PFHpA)	24.6		25.7	48.93		ng/L		95	54 - 154	2	30
Perfluorooctanoic acid (PFOA)	471		25.7	492.8		ng/L		84	52 - 161	1	30
Perfluorononanoic acid (PFNA)	52.4		25.7	75.86		ng/L		91	59 - 149	3	30
Perfluorodecanoic acid (PFDA)	2.07	J	25.7	26.11		ng/L		94	52 - 147	5	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-223347-B-1-B MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 627188
Prep Batch: 627062

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	1.65	J	25.7	24.12		ng/L		88	48 - 159	2	30
Perfluorododecanoic acid (PFDoA)	2.09	U	25.7	25.69		ng/L		100	64 - 142	3	30
Perfluorotridecanoic acid (PFTrDA)	0.86	J	25.7	23.38		ng/L		88	49 - 148	19	30
Perfluorotetradecanoic acid (PFTeDA)	2.09	U	25.7	24.78		ng/L		97	47 - 161	6	30
Perfluorobutanesulfonic acid (PFBS)	10.4		22.7	35.30		ng/L		110	62 - 144	6	30
Perfluoropentanesulfonic acid (PFPeS)	2.09	U	24.1	26.78		ng/L		111	59 - 151	3	30
Perfluorohexanesulfonic acid (PFHxS)	6.76		23.3	34.10		ng/L		117	57 - 146	2	30
Perfluoroheptanesulfonic acid (PFHpS)	0.52	J	24.4	25.58		ng/L		105	55 - 152	4	30
Perfluorooctanesulfonic acid (PFOS)	13.3		23.8	34.62		ng/L		89	58 - 149	3	30
Perfluorononanesulfonic acid (PFNS)	2.09	U	24.6	19.52		ng/L		79	52 - 148	2	30
Perfluorododecanesulfonic acid (PFDoS)	2.09	U	24.8	11.58		ng/L		47	36 - 145	8	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	8.36	U	95.9	95.96		ng/L		100	67 - 146	3	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.33	J	97.3	98.85		ng/L		98	61 - 151	5	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.99	J	98.3	99.91		ng/L		96	63 - 152	3	30
Perfluorooctanesulfonamide (PFOSA)	0.57	J	25.7	28.09		ng/L		107	61 - 148	1	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.09	U	25.7	27.99		ng/L		109	63 - 145	2	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.09	U	25.7	26.54		ng/L		103	65 - 139	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.09	U	25.7	26.95		ng/L		105	58 - 144	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.09	U	25.7	22.85		ng/L		89	59 - 146	1	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.9	U	257	241.3		ng/L		94	71 - 136	10	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.9	U	257	257.8		ng/L		100	69 - 137	8	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.36	U	103	95.66		ng/L		93	63 - 144	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.36	U	96.7	145.5	*	ng/L		150	68 - 146	3	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.18	U	51.3	59.90		ng/L		117	55 - 148	3	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.18	U	51.3	41.30		ng/L		80	48 - 161	5	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	8.36	U	95.6	115.5		ng/L		121	56 - 156	3	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	8.36	U	96.7	72.33		ng/L		75	46 - 156	7	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.18	U	45.7	65.91		ng/L		144	56 - 151	1	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-223347-B-1-B MSD
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.5	U	128	140.5		ng/L		109	62 - 129	9	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	52.3	U	641	711.7		ng/L		111	63 - 134	2	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	52.3	U	641	948.8	*	ng/L		148	50 - 138	4	30
Perfluorodecanesulfonic acid (PFDS)	2.09	U	24.7	15.28		ng/L		62	51 - 147	4	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.18	U	51.3	49.61		ng/L		97	51 - 145	3	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*90.7*		*10 - 130*
13C5 PFPeA	*60.9*		*35 - 150*
13C5 PFHxA	*67.6*		*55 - 150*
13C4 PFHpA	*89.3*		*55 - 150*
13C8 PFOA	*66.7*		*60 - 140*
13C9 PFNA	*107*		*55 - 140*
13C6 PFDA	*105*		*50 - 140*
13C7 PFUnA	*77.5*		*30 - 140*
13C2 PFTeDA	*46.4*		*10 - 130*
13C3 PFBS	*92.3*		*55 - 150*
13C3 PFHxS	*97.3*		*55 - 150*
13C8 PFOS	*98.6*		*45 - 140*
13C8 FOSA	*95.6*		*30 - 130*
d3-NMeFOSAA	*63.2*		*45 - 200*
d5-NEtFOSAA	*78.2*		*10 - 200*
M2-4:2 FTS	*86.8*		*60 - 200*
M2-6:2 FTS	*104*		*60 - 200*
M2-8:2 FTS	*102*		*50 - 200*
13C3 HFPO-DA	*78.1*		*25 - 160*
d7-N-MeFOSE-M	*71.3*		*10 - 150*
d9-N-EtFOSE-M	*61.1*		*10 - 150*
d5-NEtPFOSA	*51.2*		*10 - 130*
d3-NMePFOSA	*59.2*		*15 - 130*
13C2-PFDoDA	*59.8*		*10 - 150*

Lab Sample ID: 480-223347-D-3-A DU
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	13.0		13.34		ng/L		3	30
Perfluoropentanoic acid (PFPeA)	52.5		52.28		ng/L		0.5	30
Perfluorohexanoic acid (PFHxA)	34.0		32.09		ng/L		6	30
Perfluoroheptanoic acid (PFHpA)	31.2		29.35		ng/L		6	30
Perfluorooctanoic acid (PFOA)	39.1		38.63		ng/L		1	30
Perfluorononanoic acid (PFNA)	30.6		26.15		ng/L		16	30
Perfluorodecanoic acid (PFDA)	3.41		3.414		ng/L		0.2	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-223347-D-3-A DU
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	2.13			1.921	J	ng/L				10	30
Perfluorododecanoic acid (PFDoA)	2.09	U		2.05	U	ng/L				NC	30
Perfluorotridecanoic acid (PFTrDA)	2.09	U		2.05	U	ng/L				NC	30
Perfluorotetradecanoic acid (PFTeDA)	2.09	U		2.05	U	ng/L				NC	30
Perfluorobutanesulfonic acid (PFBS)	2.79			2.695		ng/L				3	30
Perfluoropentanesulfonic acid (PFPeS)	3.94			3.663		ng/L				7	30
Perfluorohexanesulfonic acid (PFHxS)	19.2			20.63		ng/L				7	30
Perfluoroheptanesulfonic acid (PFHpS)	2.09	U		2.05	U	ng/L				NC	30
Perfluorooctanesulfonic acid (PFOS)	20.7			22.39		ng/L				8	30
Perfluorononanesulfonic acid (PFNS)	2.09	U		2.05	U	ng/L				NC	30
Perfluorododecanesulfonic acid (PFDoS)	2.09	U		2.05	U	ng/L				NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	8.35	U		8.19	U	ng/L				NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	61.6			59.33		ng/L				4	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	8.35	U		8.19	U	ng/L				NC	30
Perfluorooctanesulfonamide (PFOSA)	2.09	U		2.05	U	ng/L				NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.09	U		2.05	U	ng/L				NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.09	U		2.05	U	ng/L				NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.09	U		2.05	U	ng/L				NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.09	U		2.05	U	ng/L				NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.9	U		20.5	U	ng/L				NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.9	U		20.5	U	ng/L				NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.35	U		8.19	U	ng/L				NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.35	U		8.19	U	ng/L				NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.18	U		4.10	U	ng/L				NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.18	U		4.10	U	ng/L				NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	8.35	U		8.19	U	ng/L				NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	8.35	U		8.19	U	ng/L				NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.18	U		4.10	U	ng/L				NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-223347-D-3-A DU
Matrix: Water
Analysis Batch: 627188

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 627062

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.4	U		10.2	U	ng/L				NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	52.2	U		51.2	U	ng/L				NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	52.2	U		51.2	U	ng/L				NC	30
Perfluorodecanesulfonic acid (PFDS)	2.09	U		2.05	U	ng/L				NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.18	U		4.10	U	ng/L				NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*89.5*		*10 - 130*
13C5 PFPeA	*61.4*		*35 - 150*
13C5 PFHxA	*68.5*		*55 - 150*
13C4 PFHpA	*88.4*		*55 - 150*
13C8 PFOA	*69.3*		*60 - 140*
13C9 PFNA	*124*		*55 - 140*
13C6 PFDA	*104*		*50 - 140*
13C7 PFUnA	*101*		*30 - 140*
13C2 PFTeDA	*72.9*		*10 - 130*
13C3 PFBS	*95.1*		*55 - 150*
13C3 PFHxS	*87.1*		*55 - 150*
13C8 PFOS	*91.3*		*45 - 140*
13C8 FOSA	*99.8*		*30 - 130*
d3-NMeFOSAA	*67.4*		*45 - 200*
d5-NEtFOSAA	*84.4*		*10 - 200*
M2-4:2 FTS	*90.5*		*60 - 200*
M2-6:2 FTS	*97.7*		*60 - 200*
M2-8:2 FTS	*111*		*50 - 200*
13C3 HFPO-DA	*79.2*		*25 - 160*
d7-N-MeFOSE-M	*72.1*		*10 - 150*
d9-N-EtFOSE-M	*74.7*		*10 - 150*
d5-NEtPFOSA	*66.0*		*10 - 130*
d3-NMePFOSA	*67.1*		*15 - 130*
13C2-PFDoDA	*83.0*		*10 - 150*

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

LCMS

Prep Batch: 627062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311274-1	RXMW-6_P	Total/NA	Water	1633	
460-311274-2	FB_09122024_P	Total/NA	Water	1633	
MB 240-627062/1-A	Method Blank	Total/NA	Water	1633	
LCS 240-627062/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 240-627062/2-A	Lab Control Sample	Total/NA	Water	1633	
480-223347-A-1-C MS	Matrix Spike	Total/NA	Water	1633	
480-223347-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	1633	
480-223347-D-3-A DU	Duplicate	Total/NA	Water	1633	

Analysis Batch: 627188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311274-1	RXMW-6_P	Total/NA	Water	1633	627062
460-311274-2	FB_09122024_P	Total/NA	Water	1633	627062
MB 240-627062/1-A	Method Blank	Total/NA	Water	1633	627062
LCS 240-627062/3-A	Lab Control Sample	Total/NA	Water	1633	627062
LLCS 240-627062/2-A	Lab Control Sample	Total/NA	Water	1633	627062
480-223347-A-1-C MS	Matrix Spike	Total/NA	Water	1633	627062
480-223347-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	1633	627062
480-223347-D-3-A DU	Duplicate	Total/NA	Water	1633	627062

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXMW-6_P
Lab Sample ID: 460-311274-1

Date Collected: 09/12/24 12:45
Matrix: Water
Date Received: 09/12/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			627062	JVB4	EET CLE	09/16/24 08:32
Total/NA	Analysis	1633		1	627188	MRL	EET CLE	09/17/24 00:00

Client Sample ID: FB_09122024_P
Lab Sample ID: 460-311274-2

Date Collected: 09/12/24 13:55
Matrix: Water
Date Received: 09/12/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			627062	JVB4	EET CLE	09/16/24 08:32
Total/NA	Analysis	1633		1	627188	MRL	EET CLE	09/17/24 00:13

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24 *
West Virginia DEP	State	210	12-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
1633	Solid-Phase Extraction (SPE)	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311274-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311274-1	RXMW-6_P	Water	09/12/24 12:45	09/12/24 19:00
460-311274-2	FB_09122024_P	Water	09/12/24 13:55	09/12/24 19:00

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 222

Chain of Custody Record

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Client Information	Sampler: EMERY LOVEKAMP	Lab PM: Flannery, Elizabeth J	Carrier Tracking No(s):	COC No: 460-185739-121603 1
Client Contact: Lauren Dolginko	Phone: 704-770-6813	E-Mail: Elizabeth Flannery@et eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 311274
Address: 209 Shafter St	Due Date Requested: STANDARD			Preservation Codes: N - None
City: Islandia	TAT Requested (days): Standard			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: Purchase Order Requested			
Email: ldolginko@rouxinc com	WO #: 2828 W 28th Street			
Project Name: 2828 W 28th Street	Project #: 46044510			
Site: 2828 W 28TH ST	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 - 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
PXMW-6_P	9/12/24	1245	G	W	N	N	X	3	
FB-09122024_P	9/12/24	1355	G	W	N	N	X	3	

460-311274 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	EL	9/12/24 1440	ROUX		9/12/24 1740	KB
2					9-12-24 16:30	KET
3		9-12-24 9:00	KET		9/12/24 1900	FEDEX

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks

Nobs ice # 9 1.4/1.6

Ver: 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 311274

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.4 °C	1.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

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

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

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

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

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

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

Initials: MA Date: 9-12-24

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-72136.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-311274-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 9/25/2024			
City: Barberton	TAT Requested (days):			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: 2828 W 28th St	Project #: 46044510			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_SPE 1633 Standard List of 40	1633_DRAFT_TSS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X			X	
RXMW-6_P (460-311274-1)	9/12/24	12:45 Eastern	G	Water			X	X	3	
FB_09122024_P (460-311274-2)	9/12/24	13:55 Eastern	G	Water			X	X	3	

Analysis Requested

Preservation Codes:

Other:

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9/13/24 1900	EET		9/14/24 930	Euro
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Interlab Site Name _____ Cooler unpacked by: TF
Cooler Received on 9/14/24 Opened on 9/14/24
FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
Receipt After-hours: Drop-off Date/Time _____ Storage Location _____
Eurofins Cooler # Euro Foam Box Client Cooler Box Other _____
Packing material used. Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN # 72 (CF -0.1 °C) Observed Cooler Temp. 1.2 °C Corrected Cooler Temp. 1.1 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes No	**Tests that are not checked for pH by Receiving:**
-Were the seals on the outside of the cooler(s) signed & dated?	Yes No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes No	**VOAs**
-Were tamper/custody seals intact and uncompromised?	Yes No NA	**Oil and Grease**
3 Shippers' packing slip attached to the cooler(s)?	Yes No	**TOC**
4 Did custody papers accompany the sample(s)?	Yes No	
5 Were the custody papers relinquished & signed in the appropriate place?	Yes No	
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes No	
7 Did all bottles arrive in good condition (Unbroken)?	Yes No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes No	
11 Sufficient quantity received to perform indicated analyses?	Yes No	
12. Are these work share samples and all listed on the COC?	Yes No	
If yes, Questions 13-17 have been checked at the originating laboratory.		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA	pH Strip Lot# HC442471
14. Were VOAs on the COC?	Yes No	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No NA	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes No	
17 Was a LL Hg or Me Hg trip blank present? _____	Yes No	

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

_____
_____
_____
_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

ORIGIN ID:LDJA (732) 549-
NITER
TINS ENVISN
NEW DURHAM ROAD
MU ADOLZ
STATES NJ
SHIP DATE: 19SEP24
ACTWGT: 45.95 LB
CAD: 106190B2/CAFE3800
BILL SENDER
SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE
BARBERTON OH 44203
497-4850
REF: 3860-185169
FedEx Express
J241023112201sv
6553 1012 9335
TUE - 24 SEP 10:30A
PRIORITY OVERNIGHT
44203
OH-US CLE
XO CAKA
Part# 158488-454 MTTW EXP 04/26

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311274-1

Login Number: 311274

List Source: Eurofins Edison

List Number: 1

Creator: Thundathorn, Sukanan 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 9/23/2024 6:06:38 PM

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311357-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Eurofins Edison

Job Notes

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

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

Compliance Statement

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

Authorization

Generated
9/23/2024 6:06:38 PM

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

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Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311357-1
Project/Site: 2828 W 28th Street

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Duplicate RPD exceeds control limits
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-311357-1 Eurofins Edison

Job Narrative
460-311357-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/13/2024 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS), RXMW-5 (460-311357-2MSD) and TB_09132024 (460-311357-3) were analyzed for Volatile Organic Compounds by GC/MS. The samples were analyzed on 9/16/2024 and 9/19/2024.

The continuing calibration verification (CCV) analyzed in batch 460-996725 was outside the method criteria for the following analyte: 1,2,3-Trichlorobenzene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: RXMW-5 (460-311357-2). These results have been reported and qualified.

The method blank for analytical batch 460-996185 contained Methylene Chloride above the method detection limit (MDL). This compound is considered a common laboratory contaminant. The associated samples were not re-analyzed because the concentration of the common lab contaminant in the method blank was less than 5 times the RL.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS) and RXMW-5 (460-311357-2MSD) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared and analyzed on 9/14/2024.

The continuing calibration verification (CCV) analyzed in batch 460-995893 was outside the method criteria for the following analyte(s): 3 & 4 Methylphenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS) and RXMW-5 (460-311357-2MSD) were analyzed for Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution). The samples were prepared and analyzed on 9/16/2024.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS) and RXMW-5 (460-311357-2MSD) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 9/14/2024 and analyzed on 9/16/2024.

Method 8081B - Organochlorine Pesticides (GC)
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS) and RXMW-5 (460-311357-2MSD) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 9/14/2024 and analyzed on 9/17/2024.

Job ID: 460-311357-1 (Continued) Eurofins Edison

The laboratory control sample duplicate (LCSD) for preparation batch 460-995875 and analytical batch 460-996147 recovered outside control limits for Endosulfan I on the primary column. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.
(LCSD 460-995875/3-A)

The surrogates Tetrachloro-m-xylene and DCB Decachlorobiphenyl recovery for the blank associated with preparation batch 460-995872 and 460-995875 and analytical batch 460-996147 was outside the upper control limits.
(MB 460-995872/1-B)

Method 6020B - Metals (ICP/MS)
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS) and RXMW-5 (460-311357-2MSD) were analyzed for Metals (ICP/MS). The samples were prepared and analyzed on 9/16/2024.

Method 6020B - Metals (ICP/MS) - Dissolved
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS) and RXMW-5 (460-311357-2MSD) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared and analyzed on 9/20/2024.

Method 7470A - Mercury (CVAA)
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS) and RXMW-5 (460-311357-2MSD) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 9/18/2024.

Method 7470A - Mercury (CVAA) - Dissolved
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS) and RXMW-5 (460-311357-2MSD) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared and analyzed on 9/20/2024 and 9/23/2024.

Method 7196A - Chromium, Hexavalent
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2) and RXMW-5 (460-311357-2DU) were analyzed for Chromium, Hexavalent. The samples were analyzed on 9/13/2024.

Method 7196A - Chromium, Trivalent (Colorimetric)
Samples RXMW-1 (460-311357-1) and RXMW-5 (460-311357-2) were analyzed for Chromium, Trivalent (Colorimetric). The samples were analyzed on 9/17/2024.

Method 9012B - Cyanide, Total andor Amenable
Samples RXMW-1 (460-311357-1), RXMW-5 (460-311357-2), RXMW-5 (460-311357-2MS) and RXMW-5 (460-311357-2MSD) were analyzed for Cyanide, Total andor Amenable. The samples were prepared and analyzed on 9/18/2024.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311357-1

Client Sample ID: RXMW-1 — Lab Sample ID: 460-311357-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.0		2.0	0.89	ug/L	1		6020B	Total/NA
Barium	110		4.0	0.91	ug/L	1		6020B	Total/NA
Copper	6.8		4.0	2.5	ug/L	1		6020B	Total/NA
Manganese	23.8		8.0	1.5	ug/L	1		6020B	Total/NA
Nickel	2.1	J	4.0	0.91	ug/L	1		6020B	Total/NA
Selenium	2.0	J	2.5	0.59	ug/L	1		6020B	Total/NA
Arsenic	4.2		2.0	0.89	ug/L	1		6020B	Dissolved
Barium	111		4.0	0.91	ug/L	1		6020B	Dissolved
Copper	5.3		4.0	2.5	ug/L	1		6020B	Dissolved
Manganese	24.5		8.0	1.5	ug/L	1		6020B	Dissolved
Nickel	1.9	J	4.0	0.91	ug/L	1		6020B	Dissolved
Antimony	4.7		2.0	0.76	ug/L	1		6020B	Dissolved
Selenium	1.9	J	2.5	0.59	ug/L	1		6020B	Dissolved
Vanadium	5.3		4.0	0.68	ug/L	1		6020B	Dissolved
Sodium	197000		500	219	ug/L	1		6020B	Dissolved
Magnesium	45000		200	46.9	ug/L	1		6020B	Dissolved
Potassium	14800		200	112	ug/L	1		6020B	Dissolved
Calcium	97100		500	53.6	ug/L	1		6020B	Dissolved

Client Sample ID: RXMW-5 — Lab Sample ID: 460-311357-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	38		5.0	4.4	ug/L	1		8260D	Total/NA
Methylene Chloride	0.32	J	1.0	0.32	ug/L	1		8260D	Total/NA
Arsenic	3.3		2.0	0.89	ug/L	1		6020B	Total/NA
Barium	18.3		4.0	0.91	ug/L	1		6020B	Total/NA
Manganese	192		8.0	1.5	ug/L	1		6020B	Total/NA
Nickel	1.7	J	4.0	0.91	ug/L	1		6020B	Total/NA
Lead	2.1		1.2	0.84	ug/L	1		6020B	Total/NA
Selenium	0.72	J	2.5	0.59	ug/L	1		6020B	Total/NA
Zinc	21.2		16.0	6.5	ug/L	1		6020B	Total/NA
Arsenic	3.0		2.0	0.89	ug/L	1		6020B	Dissolved
Barium	16.1		4.0	0.91	ug/L	1		6020B	Dissolved
Manganese	193		8.0	1.5	ug/L	1		6020B	Dissolved
Nickel	1.3	J	4.0	0.91	ug/L	1		6020B	Dissolved
Antimony	1.2	J	2.0	0.76	ug/L	1		6020B	Dissolved
Selenium	0.64	J	2.5	0.59	ug/L	1		6020B	Dissolved
Vanadium	6.1		4.0	0.68	ug/L	1		6020B	Dissolved
Zinc	17.7		16.0	6.5	ug/L	1		6020B	Dissolved
Sodium	218000		500	219	ug/L	1		6020B	Dissolved
Magnesium	22100		200	46.9	ug/L	1		6020B	Dissolved
Potassium	15400		200	112	ug/L	1		6020B	Dissolved
Calcium	292000		500	53.6	ug/L	1		6020B	Dissolved
Iron	2730		120	58.2	ug/L	1		6020B	Dissolved

Client Sample ID: TB_09132024 — Lab Sample ID: 460-311357-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.73	J B	1.0	0.32	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RXMW-1
Lab Sample ID: 460-311357-1
Date Collected: 09/13/24 12:05
Matrix: Water
Date Received: 09/13/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/19/24 14:54	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/19/24 14:54	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/19/24 14:54	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/19/24 14:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/19/24 14:54	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/19/24 14:54	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/19/24 14:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/19/24 14:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/19/24 14:54	1
1,4-Dioxane	50	U	50	28	ug/L			09/19/24 14:54	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/19/24 14:54	1
Acetone	5.0	U	5.0	4.4	ug/L			09/19/24 14:54	1
Benzene	1.0	U	1.0	0.20	ug/L			09/19/24 14:54	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/19/24 14:54	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/19/24 14:54	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/19/24 14:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/19/24 14:54	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/19/24 14:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/19/24 14:54	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/19/24 14:54	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/19/24 14:54	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/19/24 14:54	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/19/24 14:54	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/19/24 14:54	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/19/24 14:54	1
Toluene	1.0	U	1.0	0.38	ug/L			09/19/24 14:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/19/24 14:54	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/19/24 14:54	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/19/24 14:54	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/19/24 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 128*		*09/19/24 14:54*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*09/19/24 14:54*	*1*
Dibromofluoromethane (Surr)	*83*		*77 - 132*		*09/19/24 14:54*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/19/24 14:54*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/16/24 10:11	09/16/24 22:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*10 - 150*	*09/16/24 10:11*	*09/16/24 22:44*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/14/24 09:55	09/14/24 21:37	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/14/24 09:55	09/14/24 21:37	1
Acenaphthene	10	U	10	1.1	ug/L		09/14/24 09:55	09/14/24 21:37	1
Acenaphthylene	10	U	10	0.82	ug/L		09/14/24 09:55	09/14/24 21:37	1
Anthracene	10	U	10	1.3	ug/L		09/14/24 09:55	09/14/24 21:37	1

Client Sample ID: RXMW-1
Lab Sample ID: 460-311357-1
Date Collected: 09/13/24 12:05
Matrix: Water
Date Received: 09/13/24 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/14/24 09:55	09/14/24 21:37	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/14/24 09:55	09/14/24 21:37	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/14/24 09:55	09/14/24 21:37	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/14/24 09:55	09/14/24 21:37	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/14/24 09:55	09/14/24 21:37	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/14/24 09:55	09/14/24 21:37	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/14/24 09:55	09/14/24 21:37	1
Dibenzofuran	10	U	10	1.1	ug/L		09/14/24 09:55	09/14/24 21:37	1
Fluoranthene	10	U	10	0.84	ug/L		09/14/24 09:55	09/14/24 21:37	1
Fluorene	10	U	10	0.91	ug/L		09/14/24 09:55	09/14/24 21:37	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/14/24 09:55	09/14/24 21:37	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/14/24 09:55	09/14/24 21:37	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/14/24 09:55	09/14/24 21:37	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/14/24 09:55	09/14/24 21:37	1
Phenanthrene	10	U	10	1.3	ug/L		09/14/24 09:55	09/14/24 21:37	1
Phenol	10	U	10	0.29	ug/L		09/14/24 09:55	09/14/24 21:37	1
Pyrene	10	U	10	1.6	ug/L		09/14/24 09:55	09/14/24 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*37 - 150*	*09/14/24 09:55*	*09/14/24 21:37*	*1*
2-Fluorobiphenyl	*90*		*46 - 139*	*09/14/24 09:55*	*09/14/24 21:37*	*1*
2-Fluorophenol (Surr)	*47*		*16 - 80*	*09/14/24 09:55*	*09/14/24 21:37*	*1*
Nitrobenzene-d5 (Surr)	*88*		*51 - 145*	*09/14/24 09:55*	*09/14/24 21:37*	*1*
Phenol-d5 (Surr)	*32*		*10 - 56*	*09/14/24 09:55*	*09/14/24 21:37*	*1*
Terphenyl-d14 (Surr)	*45*		*13 - 159*	*09/14/24 09:55*	*09/14/24 21:37*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/17/24 00:23	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/17/24 00:23	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/17/24 00:23	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/17/24 00:23	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/17/24 00:23	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/17/24 00:23	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/17/24 00:23	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/17/24 00:23	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/17/24 00:23	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/17/24 00:23	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/17/24 00:23	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/17/24 00:23	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/17/24 00:23	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/17/24 00:23	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/17/24 00:23	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/17/24 00:23	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/17/24 00:23	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/17/24 00:23	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/17/24 00:23	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/17/24 00:23	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/17/24 00:23	1

Client Sample ID: RXMW-1
Lab Sample ID: 460-311357-1
Date Collected: 09/13/24 12:05
Matrix: Water
Date Received: 09/13/24 19:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*135*	*	*34 - 120*	*09/14/24 11:29*	*09/17/24 00:23*	*1*
Tetrachloro-m-xylene	*142*	*	*34 - 120*	*09/14/24 11:29*	*09/17/24 00:23*	*1*
DCB Decachlorobiphenyl	*137*	*	*30 - 131*	*09/14/24 11:29*	*09/17/24 00:23*	*1*
DCB Decachlorobiphenyl	*152*	*	*30 - 131*	*09/14/24 11:29*	*09/17/24 00:23*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:49	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:49	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:49	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:49	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:49	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:49	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:49	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:49	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:49	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*18 - 145*	*09/14/24 11:42*	*09/16/24 13:49*	*1*
DCB Decachlorobiphenyl	*87*		*18 - 145*	*09/14/24 11:42*	*09/16/24 13:49*	*1*
Tetrachloro-m-xylene	*88*		*21 - 124*	*09/14/24 11:42*	*09/16/24 13:49*	*1*
Tetrachloro-m-xylene	*82*		*21 - 124*	*09/14/24 11:42*	*09/16/24 13:49*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.29	ug/L		09/16/24 09:45	09/16/24 22:26	1
Arsenic	**4.0**		2.0	0.89	ug/L		09/16/24 09:45	09/16/24 22:26	1
Barium	**110**		4.0	0.91	ug/L		09/16/24 09:45	09/16/24 22:26	1
Beryllium	0.80	U	0.80	0.13	ug/L		09/16/24 09:45	09/16/24 22:26	1
Cadmium	2.0	U	2.0	0.39	ug/L		09/16/24 09:45	09/16/24 22:26	1
Chromium	4.0	U	4.0	2.5	ug/L		09/16/24 09:45	09/16/24 22:26	1
Copper	**6.8**		4.0	2.5	ug/L		09/16/24 09:45	09/16/24 22:26	1
Manganese	**23.8**		8.0	1.5	ug/L		09/16/24 09:45	09/16/24 22:26	1
Nickel	**2.1**	**J**	4.0	0.91	ug/L		09/16/24 09:45	09/16/24 22:26	1
Lead	1.2	U	1.2	0.84	ug/L		09/16/24 09:45	09/16/24 22:26	1
Selenium	**2.0**	**J**	2.5	0.59	ug/L		09/16/24 09:45	09/16/24 22:26	1
Zinc	16.0	U	16.0	6.5	ug/L		09/16/24 09:45	09/16/24 22:26	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.29	ug/L		09/20/24 10:45	09/20/24 12:29	1
Arsenic	**4.2**		2.0	0.89	ug/L		09/20/24 10:45	09/20/24 12:29	1
Barium	**111**		4.0	0.91	ug/L		09/20/24 10:45	09/20/24 12:29	1
Beryllium	0.80	U	0.80	0.13	ug/L		09/20/24 10:45	09/20/24 12:29	1
Cadmium	2.0	U	2.0	0.39	ug/L		09/20/24 10:45	09/20/24 12:29	1
Cobalt	4.0	U	4.0	0.71	ug/L		09/20/24 10:45	09/20/24 12:29	1
Chromium	4.0	U	4.0	2.5	ug/L		09/20/24 10:45	09/20/24 12:29	1
Copper	**5.3**		4.0	2.5	ug/L		09/20/24 10:45	09/20/24 12:29	1
Manganese	**24.5**		8.0	1.5	ug/L		09/20/24 10:45	09/20/24 12:29	1
Nickel	**1.9**	**J**	4.0	0.91	ug/L		09/20/24 10:45	09/20/24 12:29	1

Client Sample ID: RXMW-1
Lab Sample ID: 460-311357-1

Date Collected: 09/13/24 12:05
Matrix: Water
Date Received: 09/13/24 19:00

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2	U	1.2	0.84	ug/L		09/20/24 10:45	09/20/24 12:29	1
Antimony	**4.7**		2.0	0.76	ug/L		09/20/24 10:45	09/20/24 12:29	1
Selenium	**1.9**	**J**	2.5	0.59	ug/L		09/20/24 10:45	09/20/24 12:29	1
Vanadium	**5.3**		4.0	0.68	ug/L		09/20/24 10:45	09/20/24 12:29	1
Zinc	16.0	U	16.0	6.5	ug/L		09/20/24 10:45	09/20/24 12:29	1
Aluminum	40.0	U	40.0	19.5	ug/L		09/20/24 10:45	09/20/24 12:29	1
Sodium	**197000**		500	219	ug/L		09/20/24 10:45	09/20/24 12:29	1
Magnesium	**45000**		200	46.9	ug/L		09/20/24 10:45	09/20/24 12:29	1
Potassium	**14800**		200	112	ug/L		09/20/24 10:45	09/20/24 12:29	1
Calcium	**97100**		500	53.6	ug/L		09/20/24 10:45	09/20/24 12:29	1
Iron	120	U	120	58.2	ug/L		09/20/24 10:45	09/20/24 12:29	1
Thallium	0.80	U	0.80	0.21	ug/L		09/20/24 10:45	09/20/24 12:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/18/24 11:50	09/18/24 14:59	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/23/24 14:43	09/23/24 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/17/24 12:50	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 23:45	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/18/24 17:53	09/18/24 21:26	1

Client Sample ID: RXMW-5
Lab Sample ID: 460-311357-2

Date Collected: 09/13/24 13:30
Matrix: Water
Date Received: 09/13/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/19/24 14:32	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/19/24 14:32	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/19/24 14:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/19/24 14:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/19/24 14:32	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/19/24 14:32	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/19/24 14:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/19/24 14:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/19/24 14:32	1
1,4-Dioxane	50	U	50	28	ug/L			09/19/24 14:32	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/19/24 14:32	1
Acetone	**38**		5.0	4.4	ug/L			09/19/24 14:32	1
Benzene	1.0	U	1.0	0.20	ug/L			09/19/24 14:32	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/19/24 14:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/19/24 14:32	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/19/24 14:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/19/24 14:32	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/19/24 14:32	1

Client Sample ID: RXMW-5
Lab Sample ID: 460-311357-2
Date Collected: 09/13/24 13:30
Matrix: Water
Date Received: 09/13/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/19/24 14:32	1
Methylene Chloride	**0.32**	**J**	1.0	0.32	ug/L			09/19/24 14:32	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/19/24 14:32	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/19/24 14:32	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/19/24 14:32	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/19/24 14:32	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/19/24 14:32	1
Toluene	1.0	U	1.0	0.38	ug/L			09/19/24 14:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/19/24 14:32	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/19/24 14:32	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/19/24 14:32	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/19/24 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 128*		*09/19/24 14:32*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*09/19/24 14:32*	*1*
Dibromofluoromethane (Surr)	*76*	*	*77 - 132*		*09/19/24 14:32*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/19/24 14:32*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/16/24 10:11	09/16/24 22:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*43*		*10 - 150*	*09/16/24 10:11*	*09/16/24 22:59*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/14/24 09:55	09/14/24 22:18	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/14/24 09:55	09/14/24 22:18	1
Acenaphthene	10	U	10	1.1	ug/L		09/14/24 09:55	09/14/24 22:18	1
Acenaphthylene	10	U	10	0.82	ug/L		09/14/24 09:55	09/14/24 22:18	1
Anthracene	10	U	10	1.3	ug/L		09/14/24 09:55	09/14/24 22:18	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/14/24 09:55	09/14/24 22:18	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/14/24 09:55	09/14/24 22:18	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/14/24 09:55	09/14/24 22:18	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/14/24 09:55	09/14/24 22:18	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/14/24 09:55	09/14/24 22:18	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/14/24 09:55	09/14/24 22:18	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/14/24 09:55	09/14/24 22:18	1
Dibenzofuran	10	U	10	1.1	ug/L		09/14/24 09:55	09/14/24 22:18	1
Fluoranthene	10	U	10	0.84	ug/L		09/14/24 09:55	09/14/24 22:18	1
Fluorene	10	U	10	0.91	ug/L		09/14/24 09:55	09/14/24 22:18	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/14/24 09:55	09/14/24 22:18	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/14/24 09:55	09/14/24 22:18	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/14/24 09:55	09/14/24 22:18	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/14/24 09:55	09/14/24 22:18	1
Phenanthrene	10	U	10	1.3	ug/L		09/14/24 09:55	09/14/24 22:18	1
Phenol	10	U	10	0.29	ug/L		09/14/24 09:55	09/14/24 22:18	1
Pyrene	10	U	10	1.6	ug/L		09/14/24 09:55	09/14/24 22:18	1

Client Sample ID: RXMW-5
Lab Sample ID: 460-311357-2
Date Collected: 09/13/24 13:30
Matrix: Water
Date Received: 09/13/24 19:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*37 - 150*	*09/14/24 09:55*	*09/14/24 22:18*	*1*
2-Fluorobiphenyl	*86*		*46 - 139*	*09/14/24 09:55*	*09/14/24 22:18*	*1*
2-Fluorophenol (Surr)	*44*		*16 - 80*	*09/14/24 09:55*	*09/14/24 22:18*	*1*
Nitrobenzene-d5 (Surr)	*84*		*51 - 145*	*09/14/24 09:55*	*09/14/24 22:18*	*1*
Phenol-d5 (Surr)	*30*		*10 - 56*	*09/14/24 09:55*	*09/14/24 22:18*	*1*
Terphenyl-d14 (Surr)	*39*		*13 - 159*	*09/14/24 09:55*	*09/14/24 22:18*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/17/24 01:00	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/17/24 01:00	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/17/24 01:00	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/17/24 01:00	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/17/24 01:00	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/17/24 01:00	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/17/24 01:00	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/17/24 01:00	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/17/24 01:00	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/17/24 01:00	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/17/24 01:00	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/17/24 01:00	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/17/24 01:00	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/17/24 01:00	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/17/24 01:00	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/17/24 01:00	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/17/24 01:00	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/17/24 01:00	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/17/24 01:00	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/17/24 01:00	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/17/24 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*34 - 120*	*09/14/24 11:29*	*09/17/24 01:00*	*1*
Tetrachloro-m-xylene	*105*		*34 - 120*	*09/14/24 11:29*	*09/17/24 01:00*	*1*
DCB Decachlorobiphenyl	*113*		*30 - 131*	*09/14/24 11:29*	*09/17/24 01:00*	*1*
DCB Decachlorobiphenyl	*119*		*30 - 131*	*09/14/24 11:29*	*09/17/24 01:00*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 14:56	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 14:56	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 14:56	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 14:56	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 14:56	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 14:56	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 14:56	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 14:56	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 14:56	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 14:56	1

Client Sample ID: RXMW-5
Date Collected: 09/13/24 13:30
Date Received: 09/13/24 19:00

Lab Sample ID: 460-311357-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		18 - 145	09/14/24 11:42	09/16/24 14:56	1
DCB Decachlorobiphenyl	74		18 - 145	09/14/24 11:42	09/16/24 14:56	1
Tetrachloro-m-xylene	68		21 - 124	09/14/24 11:42	09/16/24 14:56	1
Tetrachloro-m-xylene	67		21 - 124	09/14/24 11:42	09/16/24 14:56	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.29	ug/L		09/16/24 09:45	09/16/24 21:51	1
Arsenic	**3.3**		2.0	0.89	ug/L		09/16/24 09:45	09/16/24 21:51	1
Barium	**18.3**		4.0	0.91	ug/L		09/16/24 09:45	09/16/24 21:51	1
Beryllium	0.80	U	0.80	0.13	ug/L		09/16/24 09:45	09/16/24 21:51	1
Cadmium	2.0	U	2.0	0.39	ug/L		09/16/24 09:45	09/16/24 21:51	1
Chromium	4.0	U	4.0	2.5	ug/L		09/16/24 09:45	09/16/24 21:51	1
Copper	4.0	U	4.0	2.5	ug/L		09/16/24 09:45	09/16/24 21:51	1
Manganese	**192**		8.0	1.5	ug/L		09/16/24 09:45	09/16/24 21:51	1
Nickel	**1.7**	**J**	4.0	0.91	ug/L		09/16/24 09:45	09/16/24 21:51	1
Lead	**2.1**		1.2	0.84	ug/L		09/16/24 09:45	09/16/24 21:51	1
Selenium	**0.72**	**J**	2.5	0.59	ug/L		09/16/24 09:45	09/16/24 21:51	1
Zinc	**21.2**		16.0	6.5	ug/L		09/16/24 09:45	09/16/24 21:51	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.29	ug/L		09/20/24 10:45	09/20/24 12:19	1
Arsenic	**3.0**		2.0	0.89	ug/L		09/20/24 10:45	09/20/24 12:19	1
Barium	**16.1**		4.0	0.91	ug/L		09/20/24 10:45	09/20/24 12:19	1
Beryllium	0.80	U	0.80	0.13	ug/L		09/20/24 10:45	09/20/24 12:19	1
Cadmium	2.0	U	2.0	0.39	ug/L		09/20/24 10:45	09/20/24 12:19	1
Cobalt	4.0	U	4.0	0.71	ug/L		09/20/24 10:45	09/20/24 12:19	1
Chromium	4.0	U	4.0	2.5	ug/L		09/20/24 10:45	09/20/24 12:19	1
Copper	4.0	U	4.0	2.5	ug/L		09/20/24 10:45	09/20/24 12:19	1
Manganese	**193**		8.0	1.5	ug/L		09/20/24 10:45	09/20/24 12:19	1
Nickel	**1.3**	**J**	4.0	0.91	ug/L		09/20/24 10:45	09/20/24 12:19	1
Lead	1.2	U	1.2	0.84	ug/L		09/20/24 10:45	09/20/24 12:19	1
Antimony	**1.2**	**J**	2.0	0.76	ug/L		09/20/24 10:45	09/20/24 12:19	1
Selenium	**0.64**	**J**	2.5	0.59	ug/L		09/20/24 10:45	09/20/24 12:19	1
Vanadium	**6.1**		4.0	0.68	ug/L		09/20/24 10:45	09/20/24 12:19	1
Zinc	**17.7**		16.0	6.5	ug/L		09/20/24 10:45	09/20/24 12:19	1
Aluminum	40.0	U	40.0	19.5	ug/L		09/20/24 10:45	09/20/24 12:19	1
Sodium	**218000**		500	219	ug/L		09/20/24 10:45	09/20/24 12:19	1
Magnesium	**22100**		200	46.9	ug/L		09/20/24 10:45	09/20/24 12:19	1
Potassium	**15400**		200	112	ug/L		09/20/24 10:45	09/20/24 12:19	1
Calcium	**292000**		500	53.6	ug/L		09/20/24 10:45	09/20/24 12:19	1
Iron	**2730**		120	58.2	ug/L		09/20/24 10:45	09/20/24 12:19	1
Thallium	0.80	U	0.80	0.21	ug/L		09/20/24 10:45	09/20/24 12:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/18/24 11:50	09/18/24 14:12	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311357-1

Client Sample ID: RXMW-5

Lab Sample ID: 460-311357-2

Date Collected: 09/13/24 13:30
Matrix: Water
Date Received: 09/13/24 19:00

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/20/24 14:32	09/20/24 15:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/17/24 12:50	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 23:45	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/18/24 17:53	09/18/24 21:26	1

Client Sample ID: TB_09132024

Lab Sample ID: 460-311357-3

Date Collected: 09/13/24 13:30
Matrix: Water
Date Received: 09/13/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/16/24 22:49	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 22:49	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 22:49	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 22:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 22:49	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 22:49	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 22:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 22:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 22:49	1
1,4-Dioxane	50	U	50	28	ug/L			09/16/24 22:49	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 22:49	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 22:49	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 22:49	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 22:49	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 22:49	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 22:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 22:49	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 22:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 22:49	1
Methylene Chloride	**0.73**	**J B**	1.0	0.32	ug/L			09/16/24 22:49	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 22:49	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 22:49	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 22:49	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 22:49	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 22:49	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 22:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 22:49	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 22:49	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 22:49	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 128*		*09/16/24 22:49*	*1*
4-Bromofluorobenzene	*112*		*76 - 120*		*09/16/24 22:49*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 132*		*09/16/24 22:49*	*1*
Toluene-d8 (Surr)	*86*		*80 - 120*		*09/16/24 22:49*	*1*

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311357-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-311357-1	RXMW-1	91	104	83	105
460-311357-2	RXMW-5	84	93	76 *	95
460-311357-2 MS	RXMW-5	86	95	85	96
460-311357-2 MSD	RXMW-5	92	97	88	98
460-311357-3	TB_09132024	102	112	100	86
LCS 460-996185/4	Lab Control Sample	101	102	100	94
LCS 460-996725/3	Lab Control Sample	96	98	91	98
LCSD 460-996185/5	Lab Control Sample Dup	99	103	97	94
MB 460-996185/9	Method Blank	105	112	97	87
MB 460-996725/9	Method Blank	92	96	87	96

Surrogate Legend

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

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-159)
460-311357-1	RXMW-1	86	90	47	88	32	45
460-311357-2	RXMW-5	85	86	44	84	30	39
460-311357-2 MS	RXMW-5	99	90	45	84	30	86
460-311357-2 MSD	RXMW-5	104	93	51	88	34	90
LCS 460-995862/2-A	Lab Control Sample	101	86	58	86	44	79
LCSD 460-995862/3-A	Lab Control Sample Dup	96	83	59	87	44	79
MB 460-995862/1-A	Method Blank	84	86	50	84	35	89

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(34-120)	(34-120)	(30-131)	(30-131)
460-311357-1	RXMW-1	142 *	135 *	152 *	137 *
460-311357-2	RXMW-5	105	106	119	113
460-311357-2 MS	RXMW-5	160 *	139 *	163 *	150 *
460-311357-2 MSD	RXMW-5	156 *	132 *	155 *	143 *
LCS 460-995875/2-A	Lab Control Sample	98	81	89	81
LCSD 460-995875/3-A	Lab Control Sample Dup	107	88	95	87

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(34-120)	(34-120)	(30-131)	(30-131)
MB 460-995872/1-B	Method Blank	143 *	124 *	157 *	128
MB 460-995875/1-A	Method Blank	95	92	99	91

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(18-145)	(18-145)	(21-124)	(21-124)
460-311357-1	RXMW-1	87	100	82	88
460-311357-2	RXMW-5	74	83	67	68
460-311357-2 MS	RXMW-5	99	118	95	101
460-311357-2 MSD	RXMW-5	89	105	87	89
LCS 460-995877/2-A	Lab Control Sample	106	123	106	107
LCSD 460-995877/3-A	Lab Control Sample Dup	103	116	103	106
MB 460-995877/1-A	Method Blank	101	114	99	104

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311357-1
Project/Site: 2828 W 28th Street

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)						
		DXE						
Lab Sample ID	Client Sample ID	(10-150)						
460-311357-1	RXMW-1	35						
460-311357-2	RXMW-5	43						
460-311357-2 MS	RXMW-5	40						
460-311357-2 MSD	RXMW-5	33						
LCS 460-996088/2-A	Lab Control Sample	36						
LCSD 460-996088/3-A	Lab Control Sample Dup	34						
MB 460-996088/1-A	Method Blank	33						

Surrogate Legend

DXE = 1,4-Dioxane-d8

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311357-1

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

Lab Sample ID: MB 460-996185/9
Matrix: Water
Analysis Batch: 996185

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/16/24 22:29	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 22:29	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 22:29	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 22:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 22:29	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 22:29	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 22:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 22:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 22:29	1
1,4-Dioxane	50	U	50	28	ug/L			09/16/24 22:29	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 22:29	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 22:29	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 22:29	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 22:29	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 22:29	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 22:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 22:29	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 22:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 22:29	1
Methylene Chloride	0.387	J	1.0	0.32	ug/L			09/16/24 22:29	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 22:29	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 22:29	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 22:29	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 22:29	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 22:29	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 22:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 22:29	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 22:29	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 22:29	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 22:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 128*		*09/16/24 22:29*	*1*
4-Bromofluorobenzene	*112*		*76 - 120*		*09/16/24 22:29*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 132*		*09/16/24 22:29*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*09/16/24 22:29*	*1*

Lab Sample ID: LCS 460-996185/4
Matrix: Water
Analysis Batch: 996185

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.8		ug/L		114	72 - 128
1,1-Dichloroethane	20.0	20.7		ug/L		103	73 - 130
1,1-Dichloroethene	20.0	22.3		ug/L		111	68 - 133
1,2,4-Trimethylbenzene	20.0	23.2		ug/L		116	75 - 125
1,2-Dichlorobenzene	20.0	23.4		ug/L		117	80 - 120
1,2-Dichloroethane	20.0	22.0		ug/L		110	66 - 129

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

Lab Sample ID: LCS 460-996185/4
Matrix: Water
Analysis Batch: 996185

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trimethylbenzene	20.0	22.9		ug/L		115	75 - 125
1,3-Dichlorobenzene	20.0	23.7		ug/L		118	80 - 120
1,4-Dichlorobenzene	20.0	23.6		ug/L		118	80 - 120
1,4-Dioxane	400	453		ug/L		113	42 - 150
2-Butanone (MEK)	100	110		ug/L		110	65 - 142
Acetone	100	107		ug/L		107	60 - 133
Benzene	20.0	18.9		ug/L		95	71 - 126
Carbon tetrachloride	20.0	24.2		ug/L		121	65 - 131
Chlorobenzene	20.0	21.7		ug/L		108	80 - 120
Chloroform	20.0	21.3		ug/L		106	78 - 125
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	78 - 121
Ethylbenzene	20.0	21.7		ug/L		108	78 - 120
Methyl tert-butyl ether	20.0	23.2		ug/L		116	72 - 131
Methylene Chloride	20.0	20.9		ug/L		104	74 - 127
m-Xylene & p-Xylene	20.0	21.8		ug/L		109	78 - 120
n-Butylbenzene	20.0	22.9		ug/L		115	69 - 135
N-Propylbenzene	20.0	22.8		ug/L		114	68 - 129
o-Xylene	20.0	23.2		ug/L		116	78 - 120
sec-Butylbenzene	20.0	23.3		ug/L		117	77 - 129
tert-Butylbenzene	20.0	23.6		ug/L		118	78 - 120
Tetrachloroethene	20.0	20.6		ug/L		103	70 - 127
Toluene	20.0	19.7		ug/L		98	78 - 120
trans-1,2-Dichloroethene	20.0	21.5		ug/L		107	70 - 126
Trichloroethene	20.0	21.0		ug/L		105	73 - 121
Vinyl chloride	20.0	22.4		ug/L		112	55 - 144
Xylenes, Total	40.0	45.0		ug/L		112	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 132*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 460-996185/5
Matrix: Water
Analysis Batch: 996185

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	22.9		ug/L		114	72 - 128	0	30
1,1-Dichloroethane	20.0	19.6		ug/L		98	73 - 130	5	30
1,1-Dichloroethene	20.0	22.5		ug/L		112	68 - 133	1	30
1,2,4-Trimethylbenzene	20.0	23.1		ug/L		115	75 - 125	1	30
1,2-Dichlorobenzene	20.0	23.3		ug/L		116	80 - 120	0	30
1,2-Dichloroethane	20.0	21.1		ug/L		105	66 - 129	5	30
1,3,5-Trimethylbenzene	20.0	22.7		ug/L		113	75 - 125	1	30
1,3-Dichlorobenzene	20.0	23.7		ug/L		118	80 - 120	0	30
1,4-Dichlorobenzene	20.0	23.4		ug/L		117	80 - 120	1	30
1,4-Dioxane	400	495		ug/L		124	42 - 150	9	30

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

Lab Sample ID: LCSD 460-996185/5
Matrix: Water
Analysis Batch: 996185

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)			100	104		ug/L		104	65 - 142	6	30
Acetone			100	97.6		ug/L		98	60 - 133	9	30
Benzene			20.0	17.9		ug/L		90	71 - 126	5	30
Carbon tetrachloride			20.0	24.0		ug/L		120	65 - 131	1	30
Chlorobenzene			20.0	21.8		ug/L		109	80 - 120	1	30
Chloroform			20.0	20.1		ug/L		100	78 - 125	6	30
cis-1,2-Dichloroethene			20.0	20.5		ug/L		103	78 - 121	4	30
Ethylbenzene			20.0	22.1		ug/L		110	78 - 120	2	30
Methyl tert-butyl ether			20.0	22.3		ug/L		111	72 - 131	4	30
Methylene Chloride			20.0	20.5		ug/L		103	74 - 127	2	30
m-Xylene & p-Xylene			20.0	22.1		ug/L		111	78 - 120	2	30
n-Butylbenzene			20.0	23.6		ug/L		118	69 - 135	3	30
N-Propylbenzene			20.0	22.6		ug/L		113	68 - 129	1	30
o-Xylene			20.0	22.6		ug/L		113	78 - 120	3	30
sec-Butylbenzene			20.0	23.9		ug/L		119	77 - 129	2	30
tert-Butylbenzene			20.0	23.6		ug/L		118	78 - 120	0	30
Tetrachloroethene			20.0	20.5		ug/L		102	70 - 127	0	30
Toluene			20.0	19.7		ug/L		98	78 - 120	0	30
trans-1,2-Dichloroethene			20.0	20.8		ug/L		104	70 - 126	3	30
Trichloroethene			20.0	20.9		ug/L		105	73 - 121	0	30
Vinyl chloride			20.0	24.1		ug/L		120	55 - 144	7	30
Xylenes, Total			40.0	44.7		ug/L		112	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 128*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 132*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: MB 460-996725/9
Matrix: Water
Analysis Batch: 996725

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/19/24 10:55	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/19/24 10:55	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/19/24 10:55	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/19/24 10:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/19/24 10:55	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/19/24 10:55	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/19/24 10:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/19/24 10:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/19/24 10:55	1
1,4-Dioxane	50	U	50	28	ug/L			09/19/24 10:55	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/19/24 10:55	1
Acetone	5.0	U	5.0	4.4	ug/L			09/19/24 10:55	1
Benzene	1.0	U	1.0	0.20	ug/L			09/19/24 10:55	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/19/24 10:55	1

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

Lab Sample ID: MB 460-996725/9
Matrix: Water
Analysis Batch: 996725

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/19/24 10:55	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/19/24 10:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/19/24 10:55	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/19/24 10:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/19/24 10:55	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/19/24 10:55	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/19/24 10:55	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/19/24 10:55	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/19/24 10:55	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/19/24 10:55	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/19/24 10:55	1
Toluene	1.0	U	1.0	0.38	ug/L			09/19/24 10:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/19/24 10:55	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/19/24 10:55	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/19/24 10:55	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/19/24 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 128*		*09/19/24 10:55*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*09/19/24 10:55*	*1*
Dibromofluoromethane (Surr)	*87*		*77 - 132*		*09/19/24 10:55*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/19/24 10:55*	*1*

Lab Sample ID: LCS 460-996725/3
Matrix: Water
Analysis Batch: 996725

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	17.8		ug/L		89	72 - 128
1,1-Dichloroethane	20.0	18.1		ug/L		91	73 - 130
1,1-Dichloroethene	20.0	17.5		ug/L		88	68 - 133
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		95	75 - 125
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,2-Dichloroethane	20.0	18.5		ug/L		92	66 - 129
1,3,5-Trimethylbenzene	20.0	18.7		ug/L		93	75 - 125
1,3-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120
1,4-Dichlorobenzene	20.0	18.6		ug/L		93	80 - 120
1,4-Dioxane	400	359		ug/L		90	42 - 150
2-Butanone (MEK)	100	91.0		ug/L		91	65 - 142
Acetone	100	86.9		ug/L		87	60 - 133
Benzene	20.0	19.0		ug/L		95	71 - 126
Carbon tetrachloride	20.0	16.8		ug/L		84	65 - 131
Chlorobenzene	20.0	18.4		ug/L		92	80 - 120
Chloroform	20.0	17.6		ug/L		88	78 - 125
cis-1,2-Dichloroethene	20.0	17.5		ug/L		88	78 - 121
Ethylbenzene	20.0	18.6		ug/L		93	78 - 120
Methyl tert-butyl ether	20.0	18.5		ug/L		93	72 - 131
Methylene Chloride	20.0	17.5		ug/L		88	74 - 127

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

Lab Sample ID: LCS 460-996725/3
Matrix: Water
Analysis Batch: 996725

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene			20.0	18.2		ug/L		91	78 - 120		
n-Butylbenzene			20.0	20.1		ug/L		101	69 - 135		
N-Propylbenzene			20.0	19.0		ug/L		95	68 - 129		
o-Xylene			20.0	18.5		ug/L		92	78 - 120		
sec-Butylbenzene			20.0	19.6		ug/L		98	77 - 129		
tert-Butylbenzene			20.0	18.8		ug/L		94	78 - 120		
Tetrachloroethene			20.0	17.4		ug/L		87	70 - 127		
Toluene			20.0	18.7		ug/L		93	78 - 120		
trans-1,2-Dichloroethene			20.0	16.5		ug/L		82	70 - 126		
Trichloroethene			20.0	17.8		ug/L		89	73 - 121		
Vinyl chloride			20.0	15.8		ug/L		79	55 - 144		
Xylenes, Total			40.0	36.7		ug/L		92	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 128*
4-Bromofluorobenzene	*98*		*76 - 120*
Dibromofluoromethane (Surr)	*91*		*77 - 132*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 996725

Client Sample ID: RXMW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1-Trichloroethane	1.0	U	20.0	17.4		ug/L		87	72 - 128		
1,1-Dichloroethane	1.0	U	20.0	17.4		ug/L		87	73 - 130		
1,1-Dichloroethene	1.0	U	20.0	17.7		ug/L		89	68 - 133		
1,2,4-Trimethylbenzene	1.0	U	20.0	19.3		ug/L		96	75 - 125		
1,2-Dichlorobenzene	1.0	U	20.0	18.6		ug/L		93	80 - 120		
1,2-Dichloroethane	1.0	U	20.0	16.8		ug/L		84	66 - 129		
1,3,5-Trimethylbenzene	1.0	U	20.0	18.9		ug/L		95	75 - 125		
1,3-Dichlorobenzene	1.0	U	20.0	18.5		ug/L		92	80 - 120		
1,4-Dichlorobenzene	1.0	U	20.0	18.6		ug/L		93	80 - 120		
1,4-Dioxane	50	U	400	309		ug/L		77	42 - 150		
2-Butanone (MEK)	5.0	U	100	85.4		ug/L		85	65 - 142		
Acetone	38		100	89.4	*	ug/L		52	60 - 133		
Benzene	1.0	U	20.0	18.9		ug/L		95	71 - 126		
Carbon tetrachloride	1.0	U	20.0	16.9		ug/L		85	65 - 131		
Chlorobenzene	1.0	U	20.0	18.2		ug/L		91	80 - 120		
Chloroform	1.0	U	20.0	16.5		ug/L		82	78 - 125		
cis-1,2-Dichloroethene	1.0	U	20.0	16.2		ug/L		81	78 - 121		
Ethylbenzene	1.0	U	20.0	18.3		ug/L		92	78 - 120		
Methyl tert-butyl ether	1.0	U	20.0	17.3		ug/L		86	72 - 131		
Methylene Chloride	0.32	J	20.0	17.9		ug/L		90	74 - 127		
m-Xylene & p-Xylene	1.0	U	20.0	17.9		ug/L		90	78 - 120		
n-Butylbenzene	1.0	U	20.0	20.2		ug/L		101	69 - 135		
N-Propylbenzene	1.0	U	20.0	19.4		ug/L		97	68 - 129		
o-Xylene	1.0	U	20.0	18.2		ug/L		91	78 - 120		

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

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 996725

Client Sample ID: RXMW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	1.0	U	20.0	20.0		ug/L		100	77 - 129
tert-Butylbenzene	1.0	U	20.0	19.0		ug/L		95	78 - 120
Tetrachloroethene	1.0	U	20.0	17.1		ug/L		85	70 - 127
Toluene	1.0	U	20.0	18.4		ug/L		92	78 - 120
trans-1,2-Dichloroethene	1.0	U	20.0	14.8		ug/L		74	70 - 126
Trichloroethene	1.0	U	20.0	18.0		ug/L		90	73 - 121
Vinyl chloride	1.0	U	20.0	16.7		ug/L		84	55 - 144
Xylenes, Total	2.0	U	40.0	36.1		ug/L		90	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 128*
4-Bromofluorobenzene	*95*		*76 - 120*
Dibromofluoromethane (Surr)	*85*		*77 - 132*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 460-311357-2 MSD
Matrix: Water
Analysis Batch: 996725

Client Sample ID: RXMW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	20.0	19.0		ug/L		95	72 - 128	9	30
1,1-Dichloroethane	1.0	U	20.0	19.3		ug/L		97	73 - 130	11	30
1,1-Dichloroethene	1.0	U	20.0	19.1		ug/L		96	68 - 133	7	30
1,2,4-Trimethylbenzene	1.0	U	20.0	20.4		ug/L		102	75 - 125	6	30
1,2-Dichlorobenzene	1.0	U	20.0	20.4		ug/L		102	80 - 120	9	30
1,2-Dichloroethane	1.0	U	20.0	18.4		ug/L		92	66 - 129	9	30
1,3,5-Trimethylbenzene	1.0	U	20.0	20.1		ug/L		101	75 - 125	6	30
1,3-Dichlorobenzene	1.0	U	20.0	20.2		ug/L		101	80 - 120	9	30
1,4-Dichlorobenzene	1.0	U	20.0	19.9		ug/L		99	80 - 120	7	30
1,4-Dioxane	50	U	400	386		ug/L		96	42 - 150	22	30
2-Butanone (MEK)	5.0	U	100	94.1		ug/L		94	65 - 142	10	30
Acetone	38		100	95.9	*	ug/L		58	60 - 133	7	30
Benzene	1.0	U	20.0	20.4		ug/L		102	71 - 126	7	30
Carbon tetrachloride	1.0	U	20.0	18.4		ug/L		92	65 - 131	8	30
Chlorobenzene	1.0	U	20.0	19.6		ug/L		98	80 - 120	7	30
Chloroform	1.0	U	20.0	17.9		ug/L		90	78 - 125	8	30
cis-1,2-Dichloroethene	1.0	U	20.0	18.0		ug/L		90	78 - 121	11	30
Ethylbenzene	1.0	U	20.0	20.2		ug/L		101	78 - 120	10	30
Methyl tert-butyl ether	1.0	U	20.0	18.6		ug/L		93	72 - 131	8	30
Methylene Chloride	0.32	J	20.0	18.6		ug/L		93	74 - 127	4	30
m-Xylene & p-Xylene	1.0	U	20.0	19.5		ug/L		98	78 - 120	8	30
n-Butylbenzene	1.0	U	20.0	22.2		ug/L		111	69 - 135	9	30
N-Propylbenzene	1.0	U	20.0	20.7		ug/L		104	68 - 129	7	30
o-Xylene	1.0	U	20.0	19.9		ug/L		99	78 - 120	9	30
sec-Butylbenzene	1.0	U	20.0	21.7		ug/L		108	77 - 129	8	30
tert-Butylbenzene	1.0	U	20.0	20.7		ug/L		103	78 - 120	8	30
Tetrachloroethene	1.0	U	20.0	18.7		ug/L		94	70 - 127	9	30
Toluene	1.0	U	20.0	19.6		ug/L		98	78 - 120	6	30

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

Lab Sample ID: 460-311357-2 MSD
Matrix: Water
Analysis Batch: 996725

Client Sample ID: RXMW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	1.0	U	20.0	16.9		ug/L		84	70 - 126	13	30
Trichloroethene	1.0	U	20.0	19.3		ug/L		96	73 - 121	7	30
Vinyl chloride	1.0	U	20.0	17.6		ug/L		88	55 - 144	5	30
Xylenes, Total	2.0	U	40.0	39.4		ug/L		98	80 - 120	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 128*
4-Bromofluorobenzene	*97*		*76 - 120*
Dibromofluoromethane (Surr)	*88*		*77 - 132*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-995862/1-A
Matrix: Water
Analysis Batch: 995893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/14/24 09:53	09/14/24 15:17	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/14/24 09:53	09/14/24 15:17	1
Acenaphthene	10	U	10	1.1	ug/L		09/14/24 09:53	09/14/24 15:17	1
Acenaphthylene	10	U	10	0.82	ug/L		09/14/24 09:53	09/14/24 15:17	1
Anthracene	10	U	10	1.3	ug/L		09/14/24 09:53	09/14/24 15:17	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/14/24 09:53	09/14/24 15:17	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/14/24 09:53	09/14/24 15:17	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/14/24 09:53	09/14/24 15:17	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/14/24 09:53	09/14/24 15:17	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/14/24 09:53	09/14/24 15:17	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/14/24 09:53	09/14/24 15:17	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/14/24 09:53	09/14/24 15:17	1
Dibenzofuran	10	U	10	1.1	ug/L		09/14/24 09:53	09/14/24 15:17	1
Fluoranthene	10	U	10	0.84	ug/L		09/14/24 09:53	09/14/24 15:17	1
Fluorene	10	U	10	0.91	ug/L		09/14/24 09:53	09/14/24 15:17	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/14/24 09:53	09/14/24 15:17	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/14/24 09:53	09/14/24 15:17	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/14/24 09:53	09/14/24 15:17	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/14/24 09:53	09/14/24 15:17	1
Phenanthrene	10	U	10	1.3	ug/L		09/14/24 09:53	09/14/24 15:17	1
Phenol	10	U	10	0.29	ug/L		09/14/24 09:53	09/14/24 15:17	1
Pyrene	10	U	10	1.6	ug/L		09/14/24 09:53	09/14/24 15:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*37 - 150*	*09/14/24 09:53*	*09/14/24 15:17*	*1*
2-Fluorobiphenyl	*86*		*46 - 139*	*09/14/24 09:53*	*09/14/24 15:17*	*1*
2-Fluorophenol (Surr)	*50*		*16 - 80*	*09/14/24 09:53*	*09/14/24 15:17*	*1*
Nitrobenzene-d5 (Surr)	*84*		*51 - 145*	*09/14/24 09:53*	*09/14/24 15:17*	*1*
Phenol-d5 (Surr)	*35*		*10 - 56*	*09/14/24 09:53*	*09/14/24 15:17*	*1*
Terphenyl-d14 (Surr)	*89*		*13 - 159*	*09/14/24 09:53*	*09/14/24 15:17*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-995862/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 995893
Prep Batch: 995862

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylphenol			80.0	51.0		ug/L		64	35 - 120		
3 & 4 Methylphenol			80.0	44.7		ug/L		56	27 - 120		
Acenaphthene			80.0	63.6		ug/L		80	62 - 127		
Acenaphthylene			80.0	69.3		ug/L		87	58 - 122		
Anthracene			80.0	65.6		ug/L		82	67 - 127		
Benzo[a]anthracene			80.0	65.3		ug/L		82	71 - 131		
Benzo[a]pyrene			80.0	71.0		ug/L		89	75 - 148		
Benzo[b]fluoranthene			80.0	65.4		ug/L		82	70 - 140		
Benzo[g,h,i]perylene			80.0	77.2		ug/L		97	52 - 143		
Benzo[k]fluoranthene			80.0	67.8		ug/L		85	71 - 140		
Chrysene			80.0	63.3		ug/L		79	70 - 132		
Dibenz(a,h)anthracene			80.0	65.5		ug/L		82	53 - 150		
Dibenzofuran			80.0	63.7		ug/L		80	64 - 125		
Fluoranthene			80.0	68.4		ug/L		86	69 - 137		
Fluorene			80.0	64.9		ug/L		81	67 - 125		
Hexachlorobenzene			80.0	72.5		ug/L		91	62 - 135		
Indeno[1,2,3-cd]pyrene			80.0	72.9		ug/L		91	59 - 150		
Naphthalene			80.0	65.6		ug/L		82	39 - 126		
Pentachlorophenol			160	142		ug/L		89	60 - 140		
Phenanthrene			80.0	63.9		ug/L		80	68 - 126		
Phenol			80.0	33.9		ug/L		42	10 - 80		
Pyrene			80.0	61.9		ug/L		77	60 - 137		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*37 - 150*
2-Fluorobiphenyl	*86*		*46 - 139*
2-Fluorophenol (Surr)	*58*		*16 - 80*
Nitrobenzene-d5 (Surr)	*86*		*51 - 145*
Phenol-d5 (Surr)	*44*		*10 - 56*
Terphenyl-d14 (Surr)	*79*		*13 - 159*

Lab Sample ID: LCSD 460-995862/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 995893
Prep Batch: 995862

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol			80.0	50.6		ug/L		63	35 - 120	1	30
3 & 4 Methylphenol			80.0	43.4		ug/L		54	27 - 120	3	30
Acenaphthene			80.0	62.4		ug/L		78	62 - 127	2	30
Acenaphthylene			80.0	68.9		ug/L		86	58 - 122	0	30
Anthracene			80.0	64.9		ug/L		81	67 - 127	1	30
Benzo[a]anthracene			80.0	64.3		ug/L		80	71 - 131	2	30
Benzo[a]pyrene			80.0	70.7		ug/L		88	75 - 148	0	30
Benzo[b]fluoranthene			80.0	67.6		ug/L		84	70 - 140	3	30
Benzo[g,h,i]perylene			80.0	77.4		ug/L		97	52 - 143	0	30
Benzo[k]fluoranthene			80.0	66.3		ug/L		83	71 - 140	2	30
Chrysene			80.0	64.4		ug/L		80	70 - 132	2	30
Dibenz(a,h)anthracene			80.0	65.4		ug/L		82	53 - 150	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-995862/3-A
Matrix: Water
Analysis Batch: 995893

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995862

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran			80.0	62.6		ug/L		78	64 - 125	2	30
Fluoranthene			80.0	67.6		ug/L		84	69 - 137	1	30
Fluorene			80.0	63.1		ug/L		79	67 - 125	3	30
Hexachlorobenzene			80.0	70.7		ug/L		88	62 - 135	3	30
Indeno[1,2,3-cd]pyrene			80.0	72.3		ug/L		90	59 - 150	1	30
Naphthalene			80.0	64.9		ug/L		81	39 - 126	1	30
Pentachlorophenol			160	141		ug/L		88	60 - 140	1	30
Phenanthrene			80.0	64.4		ug/L		80	68 - 126	1	30
Phenol			80.0	33.7		ug/L		42	10 - 80	1	30
Pyrene			80.0	61.7		ug/L		77	60 - 137	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*37 - 150*
2-Fluorobiphenyl	*83*		*46 - 139*
2-Fluorophenol (Surr)	*59*		*16 - 80*
Nitrobenzene-d5 (Surr)	*87*		*51 - 145*
Phenol-d5 (Surr)	*44*		*10 - 56*
Terphenyl-d14 (Surr)	*79*		*13 - 159*

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 995893

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 995862

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	10	U	40.0	27.2		ug/L		68	35 - 120
3 & 4 Methylphenol	10	U	40.0	23.2		ug/L		58	27 - 120
Acenaphthene	10	U	40.0	39.9		ug/L		100	62 - 127
Acenaphthylene	10	U	40.0	44.3		ug/L		111	58 - 122
Anthracene	10	U	40.0	40.9		ug/L		102	67 - 127
Benzo[a]anthracene	1.0	U	40.0	42.0		ug/L		105	71 - 131
Benzo[a]pyrene	1.0	U	40.0	44.0		ug/L		110	75 - 148
Benzo[b]fluoranthene	2.0	U	40.0	41.1		ug/L		103	70 - 140
Benzo[g,h,i]perylene	10	U	40.0	49.7		ug/L		124	52 - 143
Benzo[k]fluoranthene	1.0	U	40.0	41.6		ug/L		104	71 - 140
Chrysene	2.0	U	40.0	40.1		ug/L		100	70 - 132
Dibenz(a,h)anthracene	1.0	U	40.0	43.1		ug/L		108	53 - 150
Dibenzofuran	10	U	40.0	41.1		ug/L		103	64 - 125
Fluoranthene	10	U	40.0	42.4		ug/L		106	69 - 137
Fluorene	10	U	40.0	40.6		ug/L		102	67 - 125
Hexachlorobenzene	1.0	U	40.0	44.8		ug/L		112	62 - 135
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	45.1		ug/L		113	59 - 150
Naphthalene	2.0	U	40.0	40.4		ug/L		101	39 - 126
Pentachlorophenol	20	U	80.0	86.8		ug/L		109	60 - 140
Phenanthrene	10	U	40.0	40.1		ug/L		100	68 - 126
Phenol	10	U	40.0	15.4		ug/L		38	10 - 80
Pyrene	10	U	40.0	39.9		ug/L		100	60 - 137

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 995893

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 995862

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	99		37 - 150
2-Fluorobiphenyl	90		46 - 139
2-Fluorophenol (Surr)	45		16 - 80
Nitrobenzene-d5 (Surr)	84		51 - 145
Phenol-d5 (Surr)	30		10 - 56
Terphenyl-d14 (Surr)	86		13 - 159

Lab Sample ID: 460-311357-2 MSD
Matrix: Water
Analysis Batch: 995893

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 995862

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	10	U	40.0	31.3		ug/L		78	35 - 120	14	30
3 & 4 Methylphenol	10	U	40.0	26.5		ug/L		66	27 - 120	13	30
Acenaphthene	10	U	40.0	42.7		ug/L		107	62 - 127	7	30
Acenaphthylene	10	U	40.0	47.8		ug/L		120	58 - 122	8	30
Anthracene	10	U	40.0	44.4		ug/L		111	67 - 127	8	30
Benzo[a]anthracene	1.0	U	40.0	45.4		ug/L		113	71 - 131	8	30
Benzo[a]pyrene	1.0	U	40.0	49.1		ug/L		123	75 - 148	11	30
Benzo[b]fluoranthene	2.0	U	40.0	45.9		ug/L		115	70 - 140	11	30
Benzo[g,h,i]perylene	10	U	40.0	54.7		ug/L		137	52 - 143	10	30
Benzo[k]fluoranthene	1.0	U	40.0	45.2		ug/L		113	71 - 140	8	30
Chrysene	2.0	U	40.0	44.0		ug/L		110	70 - 132	9	30
Dibenz(a,h)anthracene	1.0	U	40.0	47.3		ug/L		118	53 - 150	9	30
Dibenzofuran	10	U	40.0	43.8		ug/L		109	64 - 125	6	30
Fluoranthene	10	U	40.0	46.7		ug/L		117	69 - 137	10	30
Fluorene	10	U	40.0	43.9		ug/L		110	67 - 125	8	30
Hexachlorobenzene	1.0	U	40.0	49.0		ug/L		123	62 - 135	9	30
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	50.4		ug/L		126	59 - 150	11	30
Naphthalene	2.0	U	40.0	45.0		ug/L		113	39 - 126	11	30
Pentachlorophenol	20	U	80.0	92.0		ug/L		115	60 - 140	6	30
Phenanthrene	10	U	40.0	44.3		ug/L		111	68 - 126	10	30
Phenol	10	U	40.0	18.4		ug/L		46	10 - 80	18	30
Pyrene	10	U	40.0	43.7		ug/L		109	60 - 137	9	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	104		37 - 150
2-Fluorobiphenyl	93		46 - 139
2-Fluorophenol (Surr)	51		16 - 80
Nitrobenzene-d5 (Surr)	88		51 - 145
Phenol-d5 (Surr)	34		10 - 56
Terphenyl-d14 (Surr)	90		13 - 159

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-996088/1-A
Matrix: Water
Analysis Batch: 996177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996088

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/16/24 10:11	09/16/24 21:56	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*33*		*10 - 150*	*09/16/24 10:11*	*09/16/24 21:56*	*1*

Lab Sample ID: LCS 460-996088/2-A
Matrix: Water
Analysis Batch: 996177

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996088

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			1.60	1.23		ug/L		77	42 - 142		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*36*		*10 - 150*

Lab Sample ID: LCSD 460-996088/3-A
Matrix: Water
Analysis Batch: 996177

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 996088

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.60	1.23		ug/L		77	42 - 142	0	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*34*		*10 - 150*

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 996177

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 996088

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	0.20	U	1.60	1.11		ug/L		70	42 - 142		

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*40*		*10 - 150*

Lab Sample ID: 460-311357-2 MSD
Matrix: Water
Analysis Batch: 996177

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 996088

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.20	U	1.60	1.52	*	ug/L		95	42 - 142	31	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*33*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-995872/1-B
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 20:29	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 20:29	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 20:29	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 20:29	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 20:29	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 20:29	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 20:29	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 20:29	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 20:29	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*124*	*	*34 - 120*	*09/14/24 11:29*	*09/16/24 20:29*	*1*
Tetrachloro-m-xylene	*143*	*	*34 - 120*	*09/14/24 11:29*	*09/16/24 20:29*	*1*
DCB Decachlorobiphenyl	*128*		*30 - 131*	*09/14/24 11:29*	*09/16/24 20:29*	*1*
DCB Decachlorobiphenyl	*157*	*	*30 - 131*	*09/14/24 11:29*	*09/16/24 20:29*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-995875/1-A
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:28	09/16/24 19:52	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:28	09/16/24 19:52	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:28	09/16/24 19:52	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:28	09/16/24 19:52	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:28	09/16/24 19:52	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:28	09/16/24 19:52	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:28	09/16/24 19:52	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:28	09/16/24 19:52	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:28	09/16/24 19:52	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*34 - 120*	*09/14/24 11:28*	*09/16/24 19:52*	*1*
Tetrachloro-m-xylene	*95*		*34 - 120*	*09/14/24 11:28*	*09/16/24 19:52*	*1*
DCB Decachlorobiphenyl	*91*		*30 - 131*	*09/14/24 11:28*	*09/16/24 19:52*	*1*
DCB Decachlorobiphenyl	*99*		*30 - 131*	*09/14/24 11:28*	*09/16/24 19:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 460-995875/2-A
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin	0.800	0.829		ug/L		104	67 - 129
Aldrin	0.800	0.920		ug/L		115	67 - 129
alpha-BHC	0.800	0.769		ug/L		96	70 - 125
alpha-BHC	0.800	0.796		ug/L		100	70 - 125
beta-BHC	0.800	0.721		ug/L		90	70 - 129
beta-BHC	0.800	0.807		ug/L		101	70 - 129
delta-BHC	0.800	0.606		ug/L		76	44 - 120
delta-BHC	0.800	0.637		ug/L		80	44 - 120
gamma-BHC (Lindane)	0.800	0.813		ug/L		102	73 - 132
gamma-BHC (Lindane)	0.800	0.855		ug/L		107	73 - 132
4,4'-DDD	0.800	0.737		ug/L		92	69 - 138
4,4'-DDD	0.800	0.820		ug/L		102	69 - 138
4,4'-DDE	0.800	0.834		ug/L		104	68 - 130
4,4'-DDE	0.800	0.874		ug/L		109	68 - 130
4,4'-DDT	0.800	0.796		ug/L		100	57 - 1505
4,4'-DDT	0.800	0.890		ug/L		111	57 - 1505
Dieldrin	0.800	0.799		ug/L		100	72 - 128
Dieldrin	0.800	0.888		ug/L		111	72 - 128
Endosulfan I	0.800	0.776		ug/L		97	73 - 127
Endosulfan I	0.800	0.943		ug/L		118	73 - 127
Endosulfan II	0.800	0.795		ug/L		99	73 - 134
Endosulfan II	0.800	0.921		ug/L		115	73 - 134
Endosulfan sulfate	0.800	0.682		ug/L		85	61 - 128
Endosulfan sulfate	0.800	0.735		ug/L		92	61 - 128
Endrin	0.800	0.791		ug/L		99	64 - 138
Endrin	0.800	0.892		ug/L		111	64 - 138
Endrin aldehyde	0.800	0.785		ug/L		98	74 - 133
Endrin aldehyde	0.800	0.858		ug/L		107	74 - 133
Endrin ketone	0.800	0.709		ug/L		89	56 - 150
Endrin ketone	0.800	0.787		ug/L		98	56 - 150
Heptachlor	0.800	0.810		ug/L		101	70 - 134
Heptachlor	0.800	0.902		ug/L		113	70 - 134
Heptachlor epoxide	0.800	0.811		ug/L		101	75 - 126
Heptachlor epoxide	0.800	0.896		ug/L		112	75 - 126
Methoxychlor	0.800	0.775		ug/L		97	49 - 150
Methoxychlor	0.800	0.807		ug/L		101	49 - 150
cis-Chlordane	0.800	0.796		ug/L		100	72 - 126
cis-Chlordane	0.800	0.884		ug/L		110	72 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*81*		*34 - 120*
Tetrachloro-m-xylene	*98*		*34 - 120*
DCB Decachlorobiphenyl	*81*		*30 - 131*
DCB Decachlorobiphenyl	*89*		*30 - 131*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-995875/3-A
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995875

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin			0.800	0.906		ug/L		113	67 - 129	9	30
Aldrin			0.800	1.01		ug/L		126	67 - 129	9	30
alpha-BHC			0.800	0.842		ug/L		105	70 - 125	9	30
alpha-BHC			0.800	0.870		ug/L		109	70 - 125	9	30
beta-BHC			0.800	0.809		ug/L		101	70 - 129	11	30
beta-BHC			0.800	0.906		ug/L		113	70 - 129	12	30
delta-BHC			0.800	0.675		ug/L		84	44 - 120	11	30
delta-BHC			0.800	0.713		ug/L		89	44 - 120	11	30
gamma-BHC (Lindane)			0.800	0.895		ug/L		112	73 - 132	10	30
gamma-BHC (Lindane)			0.800	0.940		ug/L		118	73 - 132	10	30
4,4'-DDD			0.800	0.817		ug/L		102	69 - 138	10	30
4,4'-DDD			0.800	0.912		ug/L		114	69 - 138	11	30
4,4'-DDE			0.800	0.915		ug/L		114	68 - 130	9	30
4,4'-DDE			0.800	0.974		ug/L		122	68 - 130	11	30
4,4'-DDT			0.800	0.874		ug/L		109	57 - 1505	9	30
4,4'-DDT			0.800	0.980		ug/L		122	57 - 1505	10	30
Dieldrin			0.800	0.877		ug/L		110	72 - 128	9	30
Dieldrin			0.800	0.983		ug/L		123	72 - 128	10	30
Endosulfan I			0.800	0.845		ug/L		106	73 - 127	9	30
Endosulfan I			0.800	1.04	*	ug/L		130	73 - 127	10	30
Endosulfan II			0.800	0.880		ug/L		110	73 - 134	10	30
Endosulfan II			0.800	1.02		ug/L		127	73 - 134	10	30
Endosulfan sulfate			0.800	0.753		ug/L		94	61 - 128	10	30
Endosulfan sulfate			0.800	0.814		ug/L		102	61 - 128	10	30
Endrin			0.800	0.866		ug/L		108	64 - 138	9	30
Endrin			0.800	0.983		ug/L		123	64 - 138	10	30
Endrin aldehyde			0.800	0.873		ug/L		109	74 - 133	11	30
Endrin aldehyde			0.800	0.960		ug/L		120	74 - 133	11	30
Endrin ketone			0.800	0.775		ug/L		97	56 - 150	9	30
Endrin ketone			0.800	0.860		ug/L		108	56 - 150	9	30
Heptachlor			0.800	0.888		ug/L		111	70 - 134	9	30
Heptachlor			0.800	0.990		ug/L		124	70 - 134	9	30
Heptachlor epoxide			0.800	0.889		ug/L		111	75 - 126	9	30
Heptachlor epoxide			0.800	0.990		ug/L		124	75 - 126	10	30
Methoxychlor			0.800	0.855		ug/L		107	49 - 150	10	30
Methoxychlor			0.800	0.888		ug/L		111	49 - 150	10	30
cis-Chlordane			0.800	0.868		ug/L		109	72 - 126	9	30
cis-Chlordane			0.800	0.979		ug/L		122	72 - 126	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*88*		*34 - 120*
Tetrachloro-m-xylene	*107*		*34 - 120*
DCB Decachlorobiphenyl	*87*		*30 - 131*
DCB Decachlorobiphenyl	*95*		*30 - 131*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 996147

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 995875

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin	0.020	U	0.800	1.27	*	ug/L		159	67 - 129
Aldrin	0.020	U	0.800	1.38	*	ug/L		172	67 - 129
alpha-BHC	0.020	U	0.800	1.25	*	ug/L		156	70 - 125
alpha-BHC	0.020	U	0.800	1.28	*	ug/L		160	70 - 125
beta-BHC	0.020	U	0.800	1.21	*	ug/L		152	70 - 129
beta-BHC	0.020	U	0.800	1.31	*	ug/L		164	70 - 129
delta-BHC	0.020	U	0.800	1.03	*	ug/L		129	44 - 120
delta-BHC	0.020	U	0.800	1.10	*	ug/L		137	44 - 120
gamma-BHC (Lindane)	0.020	U	0.800	1.32	*	ug/L		165	73 - 132
gamma-BHC (Lindane)	0.020	U	0.800	1.35	*	ug/L		169	73 - 132
4,4'-DDD	0.020	U	0.800	1.26	*	ug/L		158	69 - 138
4,4'-DDD	0.020	U	0.800	1.32	*	ug/L		165	69 - 138
4,4'-DDE	0.020	U	0.800	1.38	*	ug/L		173	68 - 130
4,4'-DDE	0.020	U	0.800	1.39	*	ug/L		173	68 - 130
4,4'-DDT	0.020	U	0.800	1.37	*	ug/L		171	57 - 150
4,4'-DDT	0.020	U	0.800	1.46	*	ug/L		183	57 - 150
Dieldrin	0.020	U	0.800	1.32	*	ug/L		165	72 - 128
Dieldrin	0.020	U	0.800	1.39	*	ug/L		173	72 - 128
Endosulfan I	0.020	U *	0.800	1.28	*	ug/L		161	73 - 127
Endosulfan I	0.020	U *	0.800	1.46	*	ug/L		183	73 - 127
Endosulfan II	0.020	U	0.800	1.34	*	ug/L		168	73 - 134
Endosulfan II	0.020	U	0.800	1.48	*	ug/L		186	73 - 134
Endosulfan sulfate	0.020	U	0.800	1.17	*	ug/L		146	61 - 128
Endosulfan sulfate	0.020	U	0.800	1.24	*	ug/L		155	61 - 128
Endrin	0.020	U	0.800	1.33	*	ug/L		166	64 - 138
Endrin	0.020	U	0.800	1.41	*	ug/L		177	64 - 138
Endrin aldehyde	0.020	U	0.800	1.24	*	ug/L		155	74 - 133
Endrin aldehyde	0.020	U	0.800	1.32	*	ug/L		165	74 - 133
Endrin ketone	0.020	U	0.800	1.23	*	ug/L		154	56 - 150
Endrin ketone	0.020	U	0.800	1.32	*	ug/L		165	56 - 150
Heptachlor	0.020	U	0.800	1.31	*	ug/L		164	70 - 134
Heptachlor	0.020	U	0.800	1.42	*	ug/L		177	70 - 134
Heptachlor epoxide	0.020	U	0.800	1.32	*	ug/L		165	75 - 126
Heptachlor epoxide	0.020	U	0.800	1.43	*	ug/L		178	75 - 126
Methoxychlor	0.020	U	0.800	1.35	*	ug/L		169	49 - 150
Methoxychlor	0.020	U	0.800	1.42	*	ug/L		178	49 - 150
cis-Chlordane	0.020	U	0.800	1.30	*	ug/L		163	72 - 126
cis-Chlordane	0.020	U	0.800	1.39	*	ug/L		173	72 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*139*	*	*34 - 120*
Tetrachloro-m-xylene	*160*	*	*34 - 120*
DCB Decachlorobiphenyl	*150*	*	*30 - 131*
DCB Decachlorobiphenyl	*163*	*	*30 - 131*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-311357-2 MSD
Matrix: Water
Analysis Batch: 996147

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 995875

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin	0.020	U	0.800	1.24	*	ug/L		156	67 - 129	2	30
Aldrin	0.020	U	0.800	1.34	*	ug/L		168	67 - 129	3	30
alpha-BHC	0.020	U	0.800	1.22	*	ug/L		152	70 - 125	2	30
alpha-BHC	0.020	U	0.800	1.23	*	ug/L		153	70 - 125	4	30
beta-BHC	0.020	U	0.800	1.19	*	ug/L		148	70 - 129	2	30
beta-BHC	0.020	U	0.800	1.31	*	ug/L		164	70 - 129	0	30
delta-BHC	0.020	U	0.800	1.00	*	ug/L		125	44 - 120	3	30
delta-BHC	0.020	U	0.800	1.07	*	ug/L		133	44 - 120	3	30
gamma-BHC (Lindane)	0.020	U	0.800	1.28	*	ug/L		161	73 - 132	3	30
gamma-BHC (Lindane)	0.020	U	0.800	1.32	*	ug/L		165	73 - 132	2	30
4,4'-DDD	0.020	U	0.800	1.23	*	ug/L		154	69 - 138	2	30
4,4'-DDD	0.020	U	0.800	1.29	*	ug/L		161	69 - 138	3	30
4,4'-DDE	0.020	U	0.800	1.35	*	ug/L		169	68 - 130	2	30
4,4'-DDE	0.020	U	0.800	1.34	*	ug/L		168	68 - 130	3	30
4,4'-DDT	0.020	U	0.800	1.34	*	ug/L		168	57 - 150	2	30
4,4'-DDT	0.020	U	0.800	1.43	*	ug/L		178	57 - 150	3	30
Dieldrin	0.020	U	0.800	1.29	*	ug/L		161	72 - 128	3	30
Dieldrin	0.020	U	0.800	1.34	*	ug/L		168	72 - 128	3	30
Endosulfan I	0.020	U *	0.800	1.28	*	ug/L		160	73 - 127	0	30
Endosulfan I	0.020	U *	0.800	1.42	*	ug/L		177	73 - 127	3	30
Endosulfan II	0.020	U	0.800	1.31	*	ug/L		164	73 - 134	2	30
Endosulfan II	0.020	U	0.800	1.44	*	ug/L		180	73 - 134	3	30
Endosulfan sulfate	0.020	U	0.800	1.15	*	ug/L		143	61 - 128	2	30
Endosulfan sulfate	0.020	U	0.800	1.20	*	ug/L		150	61 - 128	3	30
Endrin	0.020	U	0.800	1.30	*	ug/L		162	64 - 138	2	30
Endrin	0.020	U	0.800	1.37	*	ug/L		172	64 - 138	3	30
Endrin aldehyde	0.020	U	0.800	1.18	*	ug/L		148	74 - 133	5	30
Endrin aldehyde	0.020	U	0.800	1.24	*	ug/L		155	74 - 133	6	30
Endrin ketone	0.020	U	0.800	1.21	*	ug/L		152	56 - 150	2	30
Endrin ketone	0.020	U	0.800	1.29	*	ug/L		161	56 - 150	3	30
Heptachlor	0.020	U	0.800	1.29	*	ug/L		161	70 - 134	2	30
Heptachlor	0.020	U	0.800	1.39	*	ug/L		173	70 - 134	2	30
Heptachlor epoxide	0.020	U	0.800	1.29	*	ug/L		161	75 - 126	2	30
Heptachlor epoxide	0.020	U	0.800	1.38	*	ug/L		173	75 - 126	3	30
Methoxychlor	0.020	U	0.800	1.32	*	ug/L		165	49 - 150	2	30
Methoxychlor	0.020	U	0.800	1.38	*	ug/L		173	49 - 150	3	30
cis-Chlordane	0.020	U	0.800	1.30	*	ug/L		162	72 - 126	1	30
cis-Chlordane	0.020	U	0.800	1.34	*	ug/L		168	72 - 126	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*132*	*	*34 - 120*
Tetrachloro-m-xylene	*156*	*	*34 - 120*
DCB Decachlorobiphenyl	*143*	*	*30 - 131*
DCB Decachlorobiphenyl	*155*	*	*30 - 131*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-995877/1-A
Matrix: Water
Analysis Batch: 996037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*18 - 145*	*09/14/24 11:36*	*09/16/24 09:21*	*1*
DCB Decachlorobiphenyl	*101*		*18 - 145*	*09/14/24 11:36*	*09/16/24 09:21*	*1*
Tetrachloro-m-xylene	*104*		*21 - 124*	*09/14/24 11:36*	*09/16/24 09:21*	*1*
Tetrachloro-m-xylene	*99*		*21 - 124*	*09/14/24 11:36*	*09/16/24 09:21*	*1*

Lab Sample ID: LCS 460-995877/2-A
Matrix: Water
Analysis Batch: 996037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	4.00	4.10		ug/L		103	42 - 120
Aroclor 1016	4.00	4.28		ug/L		107	42 - 120
Aroclor 1260	4.00	4.38		ug/L		110	42 - 126
Aroclor 1260	4.00	4.37		ug/L		109	42 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*123*		*18 - 145*
DCB Decachlorobiphenyl	*106*		*18 - 145*
Tetrachloro-m-xylene	*107*		*21 - 124*
Tetrachloro-m-xylene	*106*		*21 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-995877/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 996037
Prep Batch: 995877

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			4.00	4.07		ug/L		102	42 - 120	1	30
Aroclor 1016			4.00	4.18		ug/L		104	42 - 120	2	30
Aroclor 1260			4.00	4.30		ug/L		108	42 - 126	2	30
Aroclor 1260			4.00	4.30		ug/L		108	42 - 126	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*116*		*18 - 145*
DCB Decachlorobiphenyl	*103*		*18 - 145*
Tetrachloro-m-xylene	*106*		*21 - 124*
Tetrachloro-m-xylene	*103*		*21 - 124*

Lab Sample ID: 460-311357-2 MS
Client Sample ID: RXMW-5
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 996037
Prep Batch: 995877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.40	U	4.00	3.78		ug/L		94	42 - 120
Aroclor 1016	0.40	U	4.00	3.47		ug/L		87	42 - 120
Aroclor 1260	0.40	U	4.00	4.09		ug/L		102	42 - 126
Aroclor 1260	0.40	U	4.00	3.63		ug/L		91	42 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*118*		*18 - 145*
DCB Decachlorobiphenyl	*99*		*18 - 145*
Tetrachloro-m-xylene	*101*		*21 - 124*
Tetrachloro-m-xylene	*95*		*21 - 124*

Lab Sample ID: 460-311357-2 MSD
Client Sample ID: RXMW-5
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 996037
Prep Batch: 995877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.40	U	4.00	3.93		ug/L		98	42 - 120	4	30
Aroclor 1016	0.40	U	4.00	3.49		ug/L		87	42 - 120	0	30
Aroclor 1260	0.40	U	4.00	3.96		ug/L		99	42 - 126	3	30
Aroclor 1260	0.40	U	4.00	3.59		ug/L		90	42 - 126	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*18 - 145*
DCB Decachlorobiphenyl	*89*		*18 - 145*
Tetrachloro-m-xylene	*89*		*21 - 124*
Tetrachloro-m-xylene	*87*		*21 - 124*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-996085/1-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.29	ug/L		09/16/24 09:45	09/16/24 14:39	1
Arsenic	2.0	U	2.0	0.89	ug/L		09/16/24 09:45	09/16/24 14:39	1
Barium	4.0	U	4.0	0.91	ug/L		09/16/24 09:45	09/16/24 14:39	1
Beryllium	0.80	U	0.80	0.13	ug/L		09/16/24 09:45	09/16/24 14:39	1
Cadmium	2.0	U	2.0	0.39	ug/L		09/16/24 09:45	09/16/24 14:39	1
Chromium	4.0	U	4.0	2.5	ug/L		09/16/24 09:45	09/16/24 14:39	1
Copper	4.0	U	4.0	2.5	ug/L		09/16/24 09:45	09/16/24 14:39	1
Manganese	8.0	U	8.0	1.5	ug/L		09/16/24 09:45	09/16/24 14:39	1
Nickel	4.0	U	4.0	0.91	ug/L		09/16/24 09:45	09/16/24 14:39	1
Lead	1.2	U	1.2	0.84	ug/L		09/16/24 09:45	09/16/24 14:39	1
Selenium	2.5	U	2.5	0.59	ug/L		09/16/24 09:45	09/16/24 14:39	1
Zinc	16.0	U	16.0	6.5	ug/L		09/16/24 09:45	09/16/24 14:39	1

Lab Sample ID: LCS 460-996085/2-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	25.0	26.53		ug/L		106	80 - 120
Arsenic	50.0	54.12		ug/L		108	80 - 120
Barium	50.0	54.99		ug/L		110	80 - 120
Beryllium	25.0	25.37		ug/L		101	80 - 120
Cadmium	25.0	27.05		ug/L		108	80 - 120
Chromium	50.0	54.60		ug/L		109	80 - 120
Copper	50.0	56.67		ug/L		113	80 - 120
Manganese	250	264.8		ug/L		106	80 - 120
Nickel	50.0	55.22		ug/L		110	80 - 120
Lead	25.0	26.95		ug/L		108	80 - 120
Selenium	50.0	50.76		ug/L		102	80 - 120
Zinc	250	265.0		ug/L		106	80 - 120

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 996182

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 996085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	2.0	U	25.0	25.54		ug/L		102	75 - 125
Arsenic	3.3		50.0	59.36		ug/L		112	75 - 125
Barium	18.3		50.0	71.54		ug/L		107	75 - 125
Beryllium	0.80	U	25.0	27.38		ug/L		110	75 - 125
Cadmium	2.0	U	25.0	26.39		ug/L		106	75 - 125
Chromium	4.0	U	50.0	54.35		ug/L		109	75 - 125
Copper	4.0	U	50.0	54.86		ug/L		110	75 - 125
Manganese	192		250	453.5		ug/L		105	75 - 125
Nickel	1.7	J	50.0	55.53		ug/L		108	75 - 125
Lead	2.1		25.0	28.85		ug/L		107	75 - 125
Selenium	0.72	J	50.0	53.76		ug/L		106	75 - 125
Zinc	21.2		250	283.2		ug/L		105	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311357-2 MSD
Client Sample ID: RXMW-5
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 996182
Prep Batch: 996085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	2.0	U	25.0	24.92		ug/L		100	75 - 125	2	20
Arsenic	3.3		50.0	58.63		ug/L		111	75 - 125	1	20
Barium	18.3		50.0	68.93		ug/L		101	75 - 125	4	20
Beryllium	0.80	U	25.0	27.62		ug/L		110	75 - 125	1	20
Cadmium	2.0	U	25.0	25.69		ug/L		103	75 - 125	3	20
Chromium	4.0	U	50.0	52.87		ug/L		106	75 - 125	3	20
Copper	4.0	U	50.0	59.64		ug/L		119	75 - 125	8	20
Manganese	192		250	445.2		ug/L		101	75 - 125	2	20
Nickel	1.7	J	50.0	54.80		ug/L		106	75 - 125	1	20
Lead	2.1		25.0	28.62		ug/L		106	75 - 125	1	20
Selenium	0.72	J	50.0	52.61		ug/L		104	75 - 125	2	20
Zinc	21.2		250	278.5		ug/L		103	75 - 125	2	20

Lab Sample ID: 460-311389-D-3-B DU
Client Sample ID: Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 996107
Prep Batch: 996085

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	2.0	U	2.0	U	ug/L		NC	20
Arsenic	2.0	U	2.0	U	ug/L		NC	20
Barium	397		397.5		ug/L		0.2	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	0.49	J	0.615	J	ug/L		23	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Copper	2.7	J	2.61	J	ug/L		3	20
Manganese	1050		1052		ug/L		0.09	20
Nickel	7.3		7.62		ug/L		4	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Selenium	2.5	U	2.5	U	ug/L		NC	20
Zinc	16.0		16.06		ug/L		0.3	20

Lab Sample ID: MB 460-997064/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 997069
Prep Batch: 997064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	0.29	ug/L		09/20/24 10:45	09/20/24 11:57	1
Arsenic	2.0	U	2.0	0.89	ug/L		09/20/24 10:45	09/20/24 11:57	1
Barium	4.0	U	4.0	0.91	ug/L		09/20/24 10:45	09/20/24 11:57	1
Beryllium	0.80	U	0.80	0.13	ug/L		09/20/24 10:45	09/20/24 11:57	1
Cadmium	2.0	U	2.0	0.39	ug/L		09/20/24 10:45	09/20/24 11:57	1
Cobalt	4.0	U	4.0	0.71	ug/L		09/20/24 10:45	09/20/24 11:57	1
Chromium	4.0	U	4.0	2.5	ug/L		09/20/24 10:45	09/20/24 11:57	1
Copper	4.0	U	4.0	2.5	ug/L		09/20/24 10:45	09/20/24 11:57	1
Manganese	8.0	U	8.0	1.5	ug/L		09/20/24 10:45	09/20/24 11:57	1
Nickel	4.0	U	4.0	0.91	ug/L		09/20/24 10:45	09/20/24 11:57	1
Lead	1.2	U	1.2	0.84	ug/L		09/20/24 10:45	09/20/24 11:57	1
Antimony	2.0	U	2.0	0.76	ug/L		09/20/24 10:45	09/20/24 11:57	1
Selenium	2.5	U	2.5	0.59	ug/L		09/20/24 10:45	09/20/24 11:57	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-997064/1-A
Matrix: Water
Analysis Batch: 997069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 997064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	4.0	U	4.0	0.68	ug/L		09/20/24 10:45	09/20/24 11:57	1
Zinc	16.0	U	16.0	6.5	ug/L		09/20/24 10:45	09/20/24 11:57	1
Aluminum	40.0	U	40.0	19.5	ug/L		09/20/24 10:45	09/20/24 11:57	1
Sodium	500	U	500	219	ug/L		09/20/24 10:45	09/20/24 11:57	1
Magnesium	200	U	200	46.9	ug/L		09/20/24 10:45	09/20/24 11:57	1
Potassium	200	U	200	112	ug/L		09/20/24 10:45	09/20/24 11:57	1
Calcium	500	U	500	53.6	ug/L		09/20/24 10:45	09/20/24 11:57	1
Iron	120	U	120	58.2	ug/L		09/20/24 10:45	09/20/24 11:57	1
Thallium	0.80	U	0.80	0.21	ug/L		09/20/24 10:45	09/20/24 11:57	1

Lab Sample ID: LCS 460-997064/2-A
Matrix: Water
Analysis Batch: 997069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 997064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	25.0	25.35		ug/L		101	80 - 120
Arsenic	50.0	52.37		ug/L		105	80 - 120
Barium	50.0	51.31		ug/L		103	80 - 120
Beryllium	25.0	25.25		ug/L		101	80 - 120
Cadmium	25.0	25.84		ug/L		103	80 - 120
Cobalt	25.0	26.20		ug/L		105	80 - 120
Chromium	50.0	51.78		ug/L		104	80 - 120
Copper	50.0	53.67		ug/L		107	80 - 120
Manganese	250	253.6		ug/L		101	80 - 120
Nickel	50.0	53.07		ug/L		106	80 - 120
Lead	25.0	25.78		ug/L		103	80 - 120
Antimony	25.0	24.18		ug/L		97	80 - 120
Selenium	50.0	52.23		ug/L		104	80 - 120
Vanadium	50.0	51.61		ug/L		103	80 - 120
Zinc	250	256.8		ug/L		103	80 - 120
Aluminum	2500	2625		ug/L		105	80 - 120
Sodium	2500	2749		ug/L		110	80 - 120
Magnesium	2500	2641		ug/L		106	80 - 120
Potassium	2500	2700		ug/L		108	80 - 120
Calcium	2500	2607		ug/L		104	80 - 120
Iron	2500	2628		ug/L		105	80 - 120
Thallium	20.0	20.02		ug/L		100	80 - 120

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 997069

Client Sample ID: RXMW-5
Prep Type: Dissolved
Prep Batch: 997064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	2.0	U	25.0	23.71		ug/L		95	75 - 125
Arsenic	3.0		50.0	52.00		ug/L		98	75 - 125
Barium	16.1		50.0	64.99		ug/L		98	75 - 125
Beryllium	0.80	U	25.0	23.94		ug/L		96	75 - 125
Cadmium	2.0	U	25.0	23.81		ug/L		95	75 - 125
Cobalt	4.0	U	25.0	24.09		ug/L		96	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 997069

Client Sample ID: RXMW-5
Prep Type: Dissolved
Prep Batch: 997064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	4.0	U	50.0	47.10		ug/L		94	75 - 125
Copper	4.0	U	50.0	47.91		ug/L		96	75 - 125
Manganese	193		250	413.1		ug/L		88	75 - 125
Nickel	1.3	J	50.0	48.24		ug/L		94	75 - 125
Lead	1.2	U	25.0	24.95		ug/L		100	75 - 125
Antimony	1.2	J	25.0	17.60	N	ug/L		66	75 - 125
Selenium	0.64	J	50.0	50.24		ug/L		99	75 - 125
Vanadium	6.1		50.0	55.61		ug/L		99	75 - 125
Zinc	17.7		250	249.9		ug/L		93	75 - 125
Aluminum	40.0	U	2500	2451		ug/L		98	75 - 125
Sodium	218000		2500	209100	4	ug/L		-339	75 - 125
Magnesium	22100		2500	23610	4	ug/L		61	75 - 125
Potassium	15400		2500	16600	4	ug/L		48	75 - 125
Calcium	292000		2500	283100	4	ug/L		-370	75 - 125
Iron	2730		2500	4970		ug/L		90	75 - 125
Thallium	0.80	U	20.0	18.85		ug/L		94	75 - 125

Lab Sample ID: 460-311357-2 MSD
Matrix: Water
Analysis Batch: 997069

Client Sample ID: RXMW-5
Prep Type: Dissolved
Prep Batch: 997064

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	2.0	U	25.0	23.27		ug/L		93	75 - 125	2	20
Arsenic	3.0		50.0	54.00		ug/L		102	75 - 125	4	20
Barium	16.1		50.0	67.98		ug/L		104	75 - 125	4	20
Beryllium	0.80	U	25.0	24.39		ug/L		98	75 - 125	2	20
Cadmium	2.0	U	25.0	24.89		ug/L		100	75 - 125	4	20
Cobalt	4.0	U	25.0	24.45		ug/L		98	75 - 125	1	20
Chromium	4.0	U	50.0	48.79		ug/L		98	75 - 125	4	20
Copper	4.0	U	50.0	49.71		ug/L		99	75 - 125	4	20
Manganese	193		250	433.3		ug/L		96	75 - 125	5	20
Nickel	1.3	J	50.0	49.86		ug/L		97	75 - 125	3	20
Lead	1.2	U	25.0	25.27		ug/L		101	75 - 125	1	20
Antimony	1.2	J	25.0	17.35	N	ug/L		65	75 - 125	1	20
Selenium	0.64	J	50.0	50.59		ug/L		100	75 - 125	1	20
Vanadium	6.1		50.0	56.31		ug/L		101	75 - 125	1	20
Zinc	17.7		250	261.4		ug/L		97	75 - 125	4	20
Aluminum	40.0	U	2500	2519		ug/L		101	75 - 125	3	20
Sodium	218000		2500	219100	4	ug/L		60	75 - 125	5	20
Magnesium	22100		2500	24610	4	ug/L		101	75 - 125	4	20
Potassium	15400		2500	17770	4	ug/L		95	75 - 125	7	20
Calcium	292000		2500	290000	4	ug/L		-93	75 - 125	2	20
Iron	2730		2500	5077		ug/L		94	75 - 125	2	20
Thallium	0.80	U	20.0	19.56		ug/L		98	75 - 125	4	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-311357-2 DU
Matrix: Water
Analysis Batch: 997069

Client Sample ID: RXMW-5
Prep Type: Dissolved
Prep Batch: 997064

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	2.0	U	2.0	U	ug/L		NC	20
Arsenic	3.0		2.89		ug/L		4	20
Barium	16.1		15.14		ug/L		6	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Cobalt	4.0	U	4.0	U	ug/L		NC	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Manganese	193		182.7		ug/L		5	20
Nickel	1.3	J	1.13	J	ug/L		15	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Antimony	1.2	J	1.29	J	ug/L		8	20
Selenium	0.64	J	2.5	U	ug/L		NC	20
Vanadium	6.1		5.91		ug/L		2	20
Zinc	17.7		17.48		ug/L		1	20
Aluminum	40.0	U	40.0	U	ug/L		NC	20
Sodium	218000		208500		ug/L		4	20
Magnesium	22100		21100		ug/L		5	20
Potassium	15400		14420		ug/L		7	20
Calcium	292000		284900		ug/L		3	20
Iron	2730		2675		ug/L		2	20
Thallium	0.80	U	0.80	U	ug/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-996574/1-A
Matrix: Water
Analysis Batch: 996636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/18/24 11:50	09/18/24 14:09	1

Lab Sample ID: LCS 460-996574/2-A
Matrix: Water
Analysis Batch: 996636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.04		ug/L		104	80 - 120

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 996636

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 996574

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.10		ug/L		110	75 - 125

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 460-311357-2 MSD — **Client Sample ID: RXMW-5**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 996636 — **Prep Batch: 996574**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	0.999		ug/L		100	75 - 125	9	20

Lab Sample ID: 460-311357-2 DU — **Client Sample ID: RXMW-5**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 996636 — **Prep Batch: 996574**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-997093/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 997146 — **Prep Batch: 997093**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/20/24 14:32	09/20/24 15:52	1

Lab Sample ID: LCS 460-997093/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 997146 — **Prep Batch: 997093**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.992		ug/L		99	80 - 120

Lab Sample ID: MB 460-997495/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 997521 — **Prep Batch: 997495**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/23/24 14:43	09/23/24 15:16	1

Lab Sample ID: LCS 460-997495/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 997521 — **Prep Batch: 997495**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.02		ug/L		102	80 - 120

Lab Sample ID: 460-311357-2 MS — **Client Sample ID: RXMW-5**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 997146 — **Prep Batch: 997093**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.02		ug/L		102	75 - 125

Lab Sample ID: 460-311357-2 MSD — **Client Sample ID: RXMW-5**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 997146 — **Prep Batch: 997093**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.04		ug/L		104	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-311357-2 DU
Matrix: Water
Analysis Batch: 997146

Client Sample ID: RXMW-5
Prep Type: Dissolved
Prep Batch: 997093

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.20	U		0.20	U	ug/L				NC	20

Lab Sample ID: MB 460-997493/1-B
Matrix: Water
Analysis Batch: 997521

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 997495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/23/24 14:43	09/23/24 15:18	1

Lab Sample ID: 460-311619-D-1-W MS
Matrix: Water
Analysis Batch: 997521

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 997495

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.20	U	1.00	1.03		ug/L		103	75 - 125		

Lab Sample ID: 460-311619-D-1-X MSD
Matrix: Water
Analysis Batch: 997521

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 997495

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.03		ug/L		103	75 - 125	1	20

Lab Sample ID: 460-311619-D-1-V DU
Matrix: Water
Analysis Batch: 997521

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 997495

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.20	U		0.20	U	ug/L				NC	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-995817/10
Matrix: Water
Analysis Batch: 995817

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10.0	U	10.0	8.1	ug/L			09/13/24 23:45	1

Lab Sample ID: LCSSRM 460-995817/11
Matrix: Water
Analysis Batch: 995817

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)			77.6	77.95		ug/L		100.5	84.1 - 114.4		

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: MRL 460-995817/9
Matrix: Water
Analysis Batch: 995817

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)			10.0	10.13		ug/L		101	50 - 150		

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 995817

Client Sample ID: RXMW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)	10.0	U	30.0	27.63		ug/L		92	85 - 115		

Lab Sample ID: 460-311357-2 DU
Matrix: Water
Analysis Batch: 995817

Client Sample ID: RXMW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cr (VI)	10.0	U		10.0	U	ug/L				NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-996659/12-A
Matrix: Water
Analysis Batch: 996700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996659

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		09/18/24 17:53	09/18/24 21:11	1

Lab Sample ID: LCS 460-996659/13-A
Matrix: Water
Analysis Batch: 996700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996659

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.100	0.0985		mg/L		99	85 - 115		

Lab Sample ID: MRL 460-996659/11-A
Matrix: Water
Analysis Batch: 996700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996659

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.0100	0.0109		mg/L		109	50 - 150		

Lab Sample ID: 460-311357-2 MS
Matrix: Water
Analysis Batch: 996700

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 996659

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.010	U	0.200	0.198		mg/L		99	90 - 110		

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 460-311357-2 MSD
Matrix: Water
Analysis Batch: 996700

Client Sample ID: RXMW-5
Prep Type: Total/NA
Prep Batch: 996659

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.200	0.209		mg/L		105	90 - 110	5	35

Lab Sample ID: 460-311162-E-2-B DU
Matrix: Water
Analysis Batch: 996700

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 996659

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Total	-0.000297			0.010	U	mg/L					

GC/MS VOA

Analysis Batch: 996185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-3	TB_09132024	Total/NA	Water	8260D	
MB 460-996185/9	Method Blank	Total/NA	Water	8260D	
LCS 460-996185/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-996185/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 996725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	8260D	
460-311357-2	RXMW-5	Total/NA	Water	8260D	
MB 460-996725/9	Method Blank	Total/NA	Water	8260D	
LCS 460-996725/3	Lab Control Sample	Total/NA	Water	8260D	
460-311357-2 MS	RXMW-5	Total/NA	Water	8260D	
460-311357-2 MSD	RXMW-5	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 995862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	3510C	
460-311357-2	RXMW-5	Total/NA	Water	3510C	
MB 460-995862/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995862/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995862/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311357-2 MS	RXMW-5	Total/NA	Water	3510C	
460-311357-2 MSD	RXMW-5	Total/NA	Water	3510C	

Analysis Batch: 995893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	8270E	995862
460-311357-2	RXMW-5	Total/NA	Water	8270E	995862
MB 460-995862/1-A	Method Blank	Total/NA	Water	8270E	995862
LCS 460-995862/2-A	Lab Control Sample	Total/NA	Water	8270E	995862
LCSD 460-995862/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	995862
460-311357-2 MS	RXMW-5	Total/NA	Water	8270E	995862
460-311357-2 MSD	RXMW-5	Total/NA	Water	8270E	995862

Prep Batch: 996088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	3510C	
460-311357-2	RXMW-5	Total/NA	Water	3510C	
MB 460-996088/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-996088/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-996088/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311357-2 MS	RXMW-5	Total/NA	Water	3510C	
460-311357-2 MSD	RXMW-5	Total/NA	Water	3510C	

Analysis Batch: 996177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	8270E SIM ID	996088
460-311357-2	RXMW-5	Total/NA	Water	8270E SIM ID	996088
MB 460-996088/1-A	Method Blank	Total/NA	Water	8270E SIM ID	996088

GC/MS Semi VOA (Continued)

Analysis Batch: 996177 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-996088/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	996088
LCSD 460-996088/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	996088
460-311357-2 MS	RXMW-5	Total/NA	Water	8270E SIM ID	996088
460-311357-2 MSD	RXMW-5	Total/NA	Water	8270E SIM ID	996088

GC Semi VOA

Filtration Batch: 995872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995872/1-B	Method Blank	Total/NA	Water	FILTRATION	

Prep Batch: 995875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	3510C	
460-311357-2	RXMW-5	Total/NA	Water	3510C	
MB 460-995872/1-B	Method Blank	Total/NA	Water	3510C	995872
MB 460-995875/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995875/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995875/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311357-2 MS	RXMW-5	Total/NA	Water	3510C	
460-311357-2 MSD	RXMW-5	Total/NA	Water	3510C	

Prep Batch: 995877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	3510C	
460-311357-2	RXMW-5	Total/NA	Water	3510C	
MB 460-995877/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995877/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995877/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311357-2 MS	RXMW-5	Total/NA	Water	3510C	
460-311357-2 MSD	RXMW-5	Total/NA	Water	3510C	

Analysis Batch: 996037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	8082A	995877
460-311357-2	RXMW-5	Total/NA	Water	8082A	995877
MB 460-995877/1-A	Method Blank	Total/NA	Water	8082A	995877
LCS 460-995877/2-A	Lab Control Sample	Total/NA	Water	8082A	995877
LCSD 460-995877/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	995877
460-311357-2 MS	RXMW-5	Total/NA	Water	8082A	995877
460-311357-2 MSD	RXMW-5	Total/NA	Water	8082A	995877

Analysis Batch: 996147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	8081B	995875
460-311357-2	RXMW-5	Total/NA	Water	8081B	995875
MB 460-995872/1-B	Method Blank	Total/NA	Water	8081B	995875
MB 460-995875/1-A	Method Blank	Total/NA	Water	8081B	995875
LCS 460-995875/2-A	Lab Control Sample	Total/NA	Water	8081B	995875
LCSD 460-995875/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	995875
460-311357-2 MS	RXMW-5	Total/NA	Water	8081B	995875

GC Semi VOA (Continued)

Analysis Batch: 996147 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-2 MSD	RXMW-5	Total/NA	Water	8081B	995875

Metals

Prep Batch: 996085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	3010A	
460-311357-2	RXMW-5	Total/NA	Water	3010A	
MB 460-996085/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-996085/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-311357-2 MS	RXMW-5	Total/NA	Water	3010A	
460-311357-2 MSD	RXMW-5	Total/NA	Water	3010A	
460-311389-D-3-B DU	Duplicate	Total/NA	Water	3010A	

Analysis Batch: 996107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-996085/1-A	Method Blank	Total/NA	Water	6020B	996085
LCS 460-996085/2-A	Lab Control Sample	Total/NA	Water	6020B	996085
460-311389-D-3-B DU	Duplicate	Total/NA	Water	6020B	996085

Analysis Batch: 996182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	6020B	996085
460-311357-2	RXMW-5	Total/NA	Water	6020B	996085
460-311357-2 MS	RXMW-5	Total/NA	Water	6020B	996085
460-311357-2 MSD	RXMW-5	Total/NA	Water	6020B	996085

Prep Batch: 996574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	7470A	
460-311357-2	RXMW-5	Total/NA	Water	7470A	
MB 460-996574/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-996574/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-311357-2 MS	RXMW-5	Total/NA	Water	7470A	
460-311357-2 MSD	RXMW-5	Total/NA	Water	7470A	
460-311357-2 DU	RXMW-5	Total/NA	Water	7470A	

Analysis Batch: 996636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	7470A	996574
460-311357-2	RXMW-5	Total/NA	Water	7470A	996574
MB 460-996574/1-A	Method Blank	Total/NA	Water	7470A	996574
LCS 460-996574/2-A	Lab Control Sample	Total/NA	Water	7470A	996574
460-311357-2 MS	RXMW-5	Total/NA	Water	7470A	996574
460-311357-2 MSD	RXMW-5	Total/NA	Water	7470A	996574
460-311357-2 DU	RXMW-5	Total/NA	Water	7470A	996574

Prep Batch: 997064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Dissolved	Water	3010A	
460-311357-2	RXMW-5	Dissolved	Water	3010A	

Metals (Continued)

Prep Batch: 997064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-997064/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-997064/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-311357-2 MS	RXMW-5	Dissolved	Water	3010A	
460-311357-2 MSD	RXMW-5	Dissolved	Water	3010A	
460-311357-2 DU	RXMW-5	Dissolved	Water	3010A	

Analysis Batch: 997069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Dissolved	Water	6020B	997064
460-311357-2	RXMW-5	Dissolved	Water	6020B	997064
MB 460-997064/1-A	Method Blank	Total/NA	Water	6020B	997064
LCS 460-997064/2-A	Lab Control Sample	Total/NA	Water	6020B	997064
460-311357-2 MS	RXMW-5	Dissolved	Water	6020B	997064
460-311357-2 MSD	RXMW-5	Dissolved	Water	6020B	997064
460-311357-2 DU	RXMW-5	Dissolved	Water	6020B	997064

Prep Batch: 997093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-2	RXMW-5	Dissolved	Water	7470A	
MB 460-997093/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-997093/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-311357-2 MS	RXMW-5	Dissolved	Water	7470A	
460-311357-2 MSD	RXMW-5	Dissolved	Water	7470A	
460-311357-2 DU	RXMW-5	Dissolved	Water	7470A	

Analysis Batch: 997146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-2	RXMW-5	Dissolved	Water	7470A	997093
MB 460-997093/1-A	Method Blank	Total/NA	Water	7470A	997093
LCS 460-997093/3-A	Lab Control Sample	Total/NA	Water	7470A	997093
460-311357-2 MS	RXMW-5	Dissolved	Water	7470A	997093
460-311357-2 MSD	RXMW-5	Dissolved	Water	7470A	997093
460-311357-2 DU	RXMW-5	Dissolved	Water	7470A	997093

Filtration Batch: 997493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-997493/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-311619-D-1-W MS	Matrix Spike	Dissolved	Water	FILTRATION	
460-311619-D-1-X MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	
460-311619-D-1-V DU	Duplicate	Dissolved	Water	FILTRATION	

Prep Batch: 997495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Dissolved	Water	7470A	
MB 460-997493/1-B	Method Blank	Dissolved	Water	7470A	997493
MB 460-997495/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-997495/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-311619-D-1-W MS	Matrix Spike	Dissolved	Water	7470A	997493
460-311619-D-1-X MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	997493
460-311619-D-1-V DU	Duplicate	Dissolved	Water	7470A	997493

Metals

Analysis Batch: 997521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Dissolved	Water	7470A	997495
MB 460-997493/1-B	Method Blank	Dissolved	Water	7470A	997495
MB 460-997495/1-A	Method Blank	Total/NA	Water	7470A	997495
LCS 460-997495/3-A	Lab Control Sample	Total/NA	Water	7470A	997495
460-311619-D-1-W MS	Matrix Spike	Dissolved	Water	7470A	997495
460-311619-D-1-X MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	997495
460-311619-D-1-V DU	Duplicate	Dissolved	Water	7470A	997495

General Chemistry

Analysis Batch: 995817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	7196A	
460-311357-2	RXMW-5	Total/NA	Water	7196A	
MB 460-995817/10	Method Blank	Total/NA	Water	7196A	
LCSSRM 460-995817/11	Lab Control Sample	Total/NA	Water	7196A	
MRL 460-995817/9	Lab Control Sample	Total/NA	Water	7196A	
460-311357-2 MS	RXMW-5	Total/NA	Water	7196A	
460-311357-2 DU	RXMW-5	Total/NA	Water	7196A	

Analysis Batch: 996337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	7196A	
460-311357-2	RXMW-5	Total/NA	Water	7196A	

Prep Batch: 996659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	9012B	
460-311357-2	RXMW-5	Total/NA	Water	9012B	
MB 460-996659/12-A	Method Blank	Total/NA	Water	9012B	
LCS 460-996659/13-A	Lab Control Sample	Total/NA	Water	9012B	
MRL 460-996659/11-A	Lab Control Sample	Total/NA	Water	9012B	
460-311357-2 MS	RXMW-5	Total/NA	Water	9012B	
460-311357-2 MSD	RXMW-5	Total/NA	Water	9012B	
460-311162-E-2-B DU	Duplicate	Total/NA	Water	9012B	

Analysis Batch: 996700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-1	RXMW-1	Total/NA	Water	9012B	996659
460-311357-2	RXMW-5	Total/NA	Water	9012B	996659
MB 460-996659/12-A	Method Blank	Total/NA	Water	9012B	996659
LCS 460-996659/13-A	Lab Control Sample	Total/NA	Water	9012B	996659
MRL 460-996659/11-A	Lab Control Sample	Total/NA	Water	9012B	996659
460-311357-2 MS	RXMW-5	Total/NA	Water	9012B	996659
460-311357-2 MSD	RXMW-5	Total/NA	Water	9012B	996659
460-311162-E-2-B DU	Duplicate	Total/NA	Water	9012B	996659

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311357-1

Client Sample ID: RXMW-1

Lab Sample ID: 460-311357-1

Date Collected: 09/13/24 12:05
Date Received: 09/13/24 19:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996725	CJM	EET EDI	09/19/24 14:54
Total/NA	Prep	3510C			995862	NMP	EET EDI	09/14/24 09:55
Total/NA	Analysis	8270E		1	995893	YAH	EET EDI	09/14/24 21:37
Total/NA	Prep	3510C			996088	OTS	EET EDI	09/16/24 10:11
Total/NA	Analysis	8270E SIM ID		1	996177	MME	EET EDI	09/16/24 22:44
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/17/24 00:23
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 13:49
Dissolved	Prep	3010A			997064	MDC	EET EDI	09/20/24 10:45
Dissolved	Analysis	6020B		1	997069	MDC	EET EDI	09/20/24 12:29
Total/NA	Prep	3010A			996085	JKF	EET EDI	09/16/24 09:45
Total/NA	Analysis	6020B		1	996182	VAD	EET EDI	09/16/24 22:26
Dissolved	Prep	7470A			997495	RBS	EET EDI	09/23/24 14:43
Dissolved	Analysis	7470A		1	997521	RBS	EET EDI	09/23/24 15:43
Total/NA	Prep	7470A			996574	RBS	EET EDI	09/18/24 11:50
Total/NA	Analysis	7470A		1	996636	RBS	EET EDI	09/18/24 14:59
Total/NA	Analysis	7196A		1	996337	LBD	EET EDI	09/17/24 12:50
Total/NA	Analysis	7196A		1	995817	VBG	EET EDI	09/13/24 23:45
Total/NA	Prep	9012B			996659	VBG	EET EDI	09/18/24 17:53
Total/NA	Analysis	9012B		1	996700	VBG	EET EDI	09/18/24 21:26

Client Sample ID: RXMW-5

Lab Sample ID: 460-311357-2

Date Collected: 09/13/24 13:30
Date Received: 09/13/24 19:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996725	CJM	EET EDI	09/19/24 14:32
Total/NA	Prep	3510C			995862	NMP	EET EDI	09/14/24 09:55
Total/NA	Analysis	8270E		1	995893	YAH	EET EDI	09/14/24 22:18
Total/NA	Prep	3510C			996088	OTS	EET EDI	09/16/24 10:11
Total/NA	Analysis	8270E SIM ID		1	996177	MME	EET EDI	09/16/24 22:59
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/17/24 01:00
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 14:56
Dissolved	Prep	3010A			997064	MDC	EET EDI	09/20/24 10:45
Dissolved	Analysis	6020B		1	997069	MDC	EET EDI	09/20/24 12:19
Total/NA	Prep	3010A			996085	JKF	EET EDI	09/16/24 09:45
Total/NA	Analysis	6020B		1	996182	VAD	EET EDI	09/16/24 21:51
Dissolved	Prep	7470A			997093	RBS	EET EDI	09/20/24 14:32
Dissolved	Analysis	7470A		1	997146	RBS	EET EDI	09/20/24 15:57
Total/NA	Prep	7470A			996574	RBS	EET EDI	09/18/24 11:50
Total/NA	Analysis	7470A		1	996636	RBS	EET EDI	09/18/24 14:12

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311357-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXMW-5
Lab Sample ID: 460-311357-2
Date Collected: 09/13/24 13:30
Matrix: Water
Date Received: 09/13/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996337	LBD	EET EDI	09/17/24 12:50
Total/NA	Analysis	7196A		1	995817	VBG	EET EDI	09/13/24 23:45
Total/NA	Prep	9012B			996659	VBG	EET EDI	09/18/24 17:53
Total/NA	Analysis	9012B		1	996700	VBG	EET EDI	09/18/24 21:26

Client Sample ID: TB_09132024
Lab Sample ID: 460-311357-3
Date Collected: 09/13/24 13:30
Matrix: Water
Date Received: 09/13/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996185	KLB	EET EDI	09/16/24 22:49

Laboratory References:

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311357-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Edison

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
7196A		Water	Cr (III)
8270E	3510C	Water	3 & 4 Methylphenol

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311357-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7196A	Chromium, Hexavalent	SW846	EET EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
3010A	Preparation, Total Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311357-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311357-1	RXMW-1	Water	09/13/24 12:05	09/13/24 19:00
460-311357-2	RXMW-5	Water	09/13/24 13:30	09/13/24 19:00
460-311357-3	TB_09132024	Water	09/13/24 13:30	09/13/24 19:00

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 222

Chain of Custody Record

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Environment Testing

Client Information	Sampler: EMERY LOVELAMP	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-185738-121604.1
Client Contact: Lauren Dolginko	Phone: 704-770-6813	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 311357
Address: 209 Shafter St	Due Date Requested: STANDARD			Preservation Codes: N None; D HNO3; A HCL; B NaOH
City: Islandia	TAT Requested (days): Standard			
State, Zip: NY 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: Purchase Order Requested			
Email: ldolginko@rouxinc.com	WO #: 2828 W 28th Street			
Project Name: 2828 W 28th Street	Project #: 46044510			
Site: 2828 W 28TH ST	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B Pesticides, 8082A PCBs	8270E_SIM_MS_ID 1,4-Dioxane (GC/MS SIM / Isotope Dilutio	8270E Part 375 BNAs	7196A Hex Chrome, 7196A_CR3- Tri Chrome	6020B Part 375 Metals, 7470A Mercury/6020B Dissolved Part 375 Metals (Field Filtered), 7470 Diss. Mercury (Field Filtered)	8260D Part 375 VOCs	9012B Cyanide, Total	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N	D	A	B		
RXMW-1	9/13/24	1225	G	W	Y	N	X	X	X	X	X	X	X	11	FX DISS METALS FIELD FILTERED
RXMW-5	"	1330	G	W	Y	Y	X	X	X	X	X	X	X	11	
FB-09132024	9/13/24	—	—	W	N	N						X		2	

460-311357 Chain of Custody

SHOR
HOLD

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	EL	9/13/24 1435	Roux		9/13/24 1435	LT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9-13-24 1760	Company EET
3	Relinquished by:	Date/Time: 9-13-24 1915	Company EET	Received by: Roux	Date/Time: 9/13 1915	Company ETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

No ice ice head 1.1/1.3

Ver: 05/06/2024

9/23/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 311357

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.1 °C	1.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

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

If pH adjustments are required record the information below*

Sample No(s). adjusted. _____

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

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

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

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

Initials: _____ Date: 9-13-24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311357-1

Login Number: 311357

List Source: Eurofins Edison

List Number: 1

Creator: Nelson, Rose E

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 9/20/2024 4:36:25 PM

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311364-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Job Notes

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

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

Compliance Statement

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

Authorization

Generated
9/20/2024 4:36:25 PM

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

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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

Qualifiers

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

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

Job Narrative
460-311364-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/14/2024 7:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.3°C and 1.4°C.

Method 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS
Samples RXMW-1_P (460-311364-1), RXMW-5_P (460-311364-2) and FB_09132024_P (460-311364-3) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS. The samples were prepared on 9/18/2024 and analyzed on 9/19/2024.

The low level continuing calibration verification (CCVL) and continuing calibration verification (CCV) associated with batch 240-627555 recovered outside of control limits for IDA compound(s). Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCV(s) must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analytes associated with this IDA are within spec, data is reported.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: FB_09132024_P (460-311364-3). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Ion abundance ratios are outside criteria for the following sample: RXMW-5_P (460-311364-2). Quantitation is based on the theoretical ion abundance ratio; therefore, these analytes have been reported as an estimated maximum possible concentration (EMPC). The affected analytes have been flagged.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXMW-1_P
Lab Sample ID: 460-311364-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11.3		6.25	1.67	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	7.35		3.13	0.78	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	11.4		1.56	0.39	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	10.5		1.56	0.39	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	377		1.56	0.39	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	4.78		1.56	0.39	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.61		1.56	0.39	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	7.67		1.56	0.40	ng/L	1		1633	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.81	J	1.56	0.39	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	15.6		1.56	0.39	ng/L	1		1633	Total/NA
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	J	6.25	1.56	ng/L	1		1633	Total/NA

Client Sample ID: RXMW-5_P
Lab Sample ID: 460-311364-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.66	J	6.24	1.66	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	1.65	J	3.12	0.78	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	2.43		1.56	0.39	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.93		1.56	0.39	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	27.9		1.56	0.39	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	2.33		1.56	0.39	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.56		1.56	0.39	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.09		1.56	0.40	ng/L	1		1633	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	2.33		1.56	0.39	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	32.9		1.56	0.39	ng/L	1		1633	Total/NA

Client Sample ID: FB_09132024_P
Lab Sample ID: 460-311364-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXMW-1_P
Lab Sample ID: 460-311364-1
Date Collected: 09/13/24 12:05
Matrix: Water
Date Received: 09/14/24 19:15

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**11.3**		6.25	1.67	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluoropentanoic acid (PFPeA)	**7.35**		3.13	0.78	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorohexanoic acid (PFHxA)	**11.4**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluoroheptanoic acid (PFHpA)	**10.5**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorooctanoic acid (PFOA)	**377**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorononanoic acid (PFNA)	**4.78**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorodecanoic acid (PFDA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluoroundecanoic acid (PFUnA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorododecanoic acid (PFDoA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorotridecanoic acid (PFTrDA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorotetradecanoic acid (PFTeDA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorobutanesulfonic acid (PFBS)	**6.61**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluoropentanesulfonic acid (PFPeS)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorohexanesulfonic acid (PFHxS)	**7.67**		1.56	0.40	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluoroheptanesulfonic acid (PFHpS)	**0.81**	**J**	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorooctanesulfonic acid (PFOS)	**15.6**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorononanesulfonic acid (PFNS)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorododecanesulfonic acid (PFDoS)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.25	U	6.25	1.56	ng/L		09/18/24 10:06	09/19/24 00:33	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.25	U	6.25	1.56	ng/L		09/18/24 10:06	09/19/24 00:33	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.25	U	6.25	1.56	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorooctanesulfonamide (PFOSA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	U	1.56	0.48	ng/L		09/18/24 10:06	09/19/24 00:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	U	1.56	0.41	ng/L		09/18/24 10:06	09/19/24 00:33	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	U	15.6	3.91	ng/L		09/18/24 10:06	09/19/24 00:33	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	U	15.6	3.91	ng/L		09/18/24 10:06	09/19/24 00:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	**3.01**	**J**	6.25	1.56	ng/L		09/18/24 10:06	09/19/24 00:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.25	U	6.25	1.56	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.13	U	3.13	0.78	ng/L		09/18/24 10:06	09/19/24 00:33	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.13	U	3.13	0.95	ng/L		09/18/24 10:06	09/19/24 00:33	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.25	U	6.25	1.56	ng/L		09/18/24 10:06	09/19/24 00:33	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.25	U	6.25	1.56	ng/L		09/18/24 10:06	09/19/24 00:33	1

Client Sample ID: RXMW-1_P
Lab Sample ID: 460-311364-1
Date Collected: 09/13/24 12:05
Matrix: Water
Date Received: 09/14/24 19:15

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.13	U	3.13	0.78	ng/L		09/18/24 10:06	09/19/24 00:33	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.82	U	7.82	1.95	ng/L		09/18/24 10:06	09/19/24 00:33	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.1	U	39.1	9.77	ng/L		09/18/24 10:06	09/19/24 00:33	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.1	U	39.1	11.6	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluorodecanesulfonic acid (PFDS)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.13	U	3.13	0.78	ng/L		09/18/24 10:06	09/19/24 00:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.9*		*10 - 130*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C5 PFPeA	*91.4*		*35 - 150*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C5 PFHxA	*75.7*		*55 - 150*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C4 PFHpA	*85.0*		*55 - 150*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C8 PFOA	*83.3*		*60 - 140*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C9 PFNA	*106*		*55 - 140*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C6 PFDA	*119*		*50 - 140*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C7 PFUnA	*108*		*30 - 140*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C2 PFTeDA	*85.3*		*10 - 130*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C3 PFBS	*112*		*55 - 150*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C3 PFHxS	*107*		*55 - 150*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C8 PFOS	*112*		*45 - 140*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C8 FOSA	*105*		*30 - 130*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
d3-NMeFOSAA	*105*		*45 - 200*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
d5-NEtFOSAA	*113*		*10 - 200*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
M2-4:2 FTS	*149*		*60 - 200*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
M2-6:2 FTS	*141*		*60 - 200*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
M2-8:2 FTS	*132*		*50 - 200*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C3 HFPO-DA	*80.8*		*25 - 160*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
d7-N-MeFOSE-M	*98.8*		*10 - 150*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
d9-N-EtFOSE-M	*89.5*		*10 - 150*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
d5-NEtPFOSA	*71.0*		*10 - 130*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
d3-NMePFOSA	*80.6*		*15 - 130*	*09/18/24 10:06*	*09/19/24 00:33*	*1*
13C2-PFDoDA	*105*		*10 - 150*	*09/18/24 10:06*	*09/19/24 00:33*	*1*

Client Sample ID: RXMW-5_P
Lab Sample ID: 460-311364-2
Date Collected: 09/13/24 13:30
Matrix: Water
Date Received: 09/14/24 19:15

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.66**	**J**	6.24	1.66	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluoropentanoic acid (PFPeA)	**1.65**	**J**	3.12	0.78	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorohexanoic acid (PFHxA)	**2.43**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluoroheptanoic acid (PFHpA)	**1.93**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorooctanoic acid (PFOA)	**27.9**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorononanoic acid (PFNA)	**2.33**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorodecanoic acid (PFDA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluoroundecanoic acid (PFUnA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311364-1

Client Sample ID: RXMW-5_P
Date Collected: 09/13/24 13:30
Date Received: 09/14/24 19:15

Lab Sample ID: 460-311364-2
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorotridecanoic acid (PFTrDA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorotetradecanoic acid (PFTeDA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorobutanesulfonic acid (PFBS)	**3.56**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluoropentanesulfonic acid (PFPeS)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorohexanesulfonic acid (PFHxS)	**3.09**		1.56	0.40	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluoroheptanesulfonic acid (PFHpS)	**2.33**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorooctanesulfonic acid (PFOS)	**32.9**		1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorononanesulfonic acid (PFNS)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorododecanesulfonic acid (PFDoS)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.24	U	6.24	1.56	ng/L		09/18/24 10:06	09/19/24 00:47	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.24	U	6.24	1.56	ng/L		09/18/24 10:06	09/19/24 00:47	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.24	U	6.24	1.56	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorooctanesulfonamide (PFOSA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	U	1.56	0.48	ng/L		09/18/24 10:06	09/19/24 00:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	U	1.56	0.41	ng/L		09/18/24 10:06	09/19/24 00:47	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	U	15.6	3.90	ng/L		09/18/24 10:06	09/19/24 00:47	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	U	15.6	3.90	ng/L		09/18/24 10:06	09/19/24 00:47	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.24	U	6.24	1.56	ng/L		09/18/24 10:06	09/19/24 00:47	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.24	U	6.24	1.56	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.12	U	3.12	0.78	ng/L		09/18/24 10:06	09/19/24 00:47	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.12	U	3.12	0.95	ng/L		09/18/24 10:06	09/19/24 00:47	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.24	U	6.24	1.56	ng/L		09/18/24 10:06	09/19/24 00:47	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.24	U	6.24	1.56	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.12	U	3.12	0.78	ng/L		09/18/24 10:06	09/19/24 00:47	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.80	U	7.80	1.95	ng/L		09/18/24 10:06	09/19/24 00:47	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.0	U	39.0	9.75	ng/L		09/18/24 10:06	09/19/24 00:47	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.0	U	39.0	11.6	ng/L		09/18/24 10:06	09/19/24 00:47	1
Perfluorodecanesulfonic acid (PFDS)	1.56	U	1.56	0.39	ng/L		09/18/24 10:06	09/19/24 00:47	1

Client Sample ID: RXMW-5_P — **Lab Sample ID: 460-311364-2**
Date Collected: 09/13/24 13:30 — **Matrix: Water**
Date Received: 09/14/24 19:15

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.12	U	3.12	0.78	ng/L		09/18/24 10:06	09/19/24 00:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98.7*		*10 - 130*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C5 PFPeA	*99.6*		*35 - 150*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C5 PFHxA	*85.5*		*55 - 150*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C4 PFHpA	*97.7*		*55 - 150*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C8 PFOA	*88.3*		*60 - 140*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C9 PFNA	*109*		*55 - 140*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C6 PFDA	*107*		*50 - 140*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C7 PFUnA	*101*		*30 - 140*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C2 PFTeDA	*78.2*		*10 - 130*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C3 PFBS	*121*		*55 - 150*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C3 PFHxS	*111*		*55 - 150*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C8 PFOS	*115*		*45 - 140*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C8 FOSA	*109*		*30 - 130*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
d3-NMeFOSAA	*103*		*45 - 200*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
d5-NEtFOSAA	*107*		*10 - 200*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
M2-4:2 FTS	*142*		*60 - 200*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
M2-6:2 FTS	*149*		*60 - 200*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
M2-8:2 FTS	*142*		*50 - 200*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C3 HFPO-DA	*84.9*		*25 - 160*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
d7-N-MeFOSE-M	*102*		*10 - 150*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
d9-N-EtFOSE-M	*91.9*		*10 - 150*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
d5-NEtPFOSA	*71.3*		*10 - 130*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
d3-NMePFOSA	*80.0*		*15 - 130*	*09/18/24 10:06*	*09/19/24 00:47*	*1*
13C2-PFDoDA	*93.5*		*10 - 150*	*09/18/24 10:06*	*09/19/24 00:47*	*1*

Client Sample ID: FB_09132024_P — **Lab Sample ID: 460-311364-3**
Date Collected: 09/13/24 12:20 — **Matrix: Water**
Date Received: 09/14/24 19:15

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.75	U	6.75	1.80	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluoropentanoic acid (PFPeA)	3.38	U	3.38	0.84	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorohexanoic acid (PFHxA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluoroheptanoic acid (PFHpA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorooctanoic acid (PFOA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorononanoic acid (PFNA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorodecanoic acid (PFDA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluoroundecanoic acid (PFUnA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorododecanoic acid (PFDoA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorotridecanoic acid (PFTrDA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorotetradecanoic acid (PFTeDA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorobutanesulfonic acid (PFBS)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluoropentanesulfonic acid (PFPeS)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorohexanesulfonic acid (PFHxS)	1.69	U	1.69	0.44	ng/L		09/18/24 10:06	09/19/24 01:00	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

Client Sample ID: FB_09132024_P
Lab Sample ID: 460-311364-3
Date Collected: 09/13/24 12:20
Matrix: Water
Date Received: 09/14/24 19:15

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorooctanesulfonic acid (PFOS)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorononanesulfonic acid (PFNS)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorododecanesulfonic acid (PFDoS)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.75	U	6.75	1.69	ng/L		09/18/24 10:06	09/19/24 01:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.75	U	6.75	1.69	ng/L		09/18/24 10:06	09/19/24 01:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.75	U	6.75	1.69	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorooctanesulfonamide (PFOSA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.69	U	1.69	0.52	ng/L		09/18/24 10:06	09/19/24 01:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.69	U	1.69	0.44	ng/L		09/18/24 10:06	09/19/24 01:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	16.9	U	16.9	4.22	ng/L		09/18/24 10:06	09/19/24 01:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	16.9	U	16.9	4.22	ng/L		09/18/24 10:06	09/19/24 01:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.75	U	6.75	1.69	ng/L		09/18/24 10:06	09/19/24 01:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.75	U	6.75	1.69	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.38	U	3.38	0.84	ng/L		09/18/24 10:06	09/19/24 01:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.38	U	3.38	1.03	ng/L		09/18/24 10:06	09/19/24 01:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.75	U	6.75	1.69	ng/L		09/18/24 10:06	09/19/24 01:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.75	U	6.75	1.69	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.38	U	3.38	0.84	ng/L		09/18/24 10:06	09/19/24 01:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.44	U	8.44	2.11	ng/L		09/18/24 10:06	09/19/24 01:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	42.2	U	42.2	10.6	ng/L		09/18/24 10:06	09/19/24 01:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	42.2	U	42.2	12.6	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluorodecanesulfonic acid (PFDS)	1.69	U	1.69	0.42	ng/L		09/18/24 10:06	09/19/24 01:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.38	U	3.38	0.84	ng/L		09/18/24 10:06	09/19/24 01:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*124*		*10 - 130*	*09/18/24 10:06*	*09/19/24 01:00*	*1*
13C5 PFPeA	*109*		*35 - 150*	*09/18/24 10:06*	*09/19/24 01:00*	*1*
13C5 PFHxA	*101*		*55 - 150*	*09/18/24 10:06*	*09/19/24 01:00*	*1*
13C4 PFHpA	*110*		*55 - 150*	*09/18/24 10:06*	*09/19/24 01:00*	*1*
13C8 PFOA	*113*		*60 - 140*	*09/18/24 10:06*	*09/19/24 01:00*	*1*
13C9 PFNA	*129*		*55 - 140*	*09/18/24 10:06*	*09/19/24 01:00*	*1*

Client Sample ID: FB_09132024_P
Lab Sample ID: 460-311364-3
Date Collected: 09/13/24 12:20
Matrix: Water
Date Received: 09/14/24 19:15

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C6 PFDA	141	*	50 - 140	09/18/24 10:06	09/19/24 01:00	1
13C7 PFUnA	133		30 - 140	09/18/24 10:06	09/19/24 01:00	1
13C2 PFTeDA	92.9		10 - 130	09/18/24 10:06	09/19/24 01:00	1
13C3 PFBS	132		55 - 150	09/18/24 10:06	09/19/24 01:00	1
13C3 PFHxS	130		55 - 150	09/18/24 10:06	09/19/24 01:00	1
13C8 PFOS	134		45 - 140	09/18/24 10:06	09/19/24 01:00	1
13C8 FOSA	140	*	30 - 130	09/18/24 10:06	09/19/24 01:00	1
d3-NMeFOSAA	137		45 - 200	09/18/24 10:06	09/19/24 01:00	1
d5-NEtFOSAA	144		10 - 200	09/18/24 10:06	09/19/24 01:00	1
M2-4:2 FTS	202	*	60 - 200	09/18/24 10:06	09/19/24 01:00	1
M2-6:2 FTS	186		60 - 200	09/18/24 10:06	09/19/24 01:00	1
M2-8:2 FTS	178		50 - 200	09/18/24 10:06	09/19/24 01:00	1
13C3 HFPO-DA	107		25 - 160	09/18/24 10:06	09/19/24 01:00	1
d7-N-MeFOSE-M	131		10 - 150	09/18/24 10:06	09/19/24 01:00	1
d9-N-EtFOSE-M	122		10 - 150	09/18/24 10:06	09/19/24 01:00	1
d5-NEtPFOSA	95.9		10 - 130	09/18/24 10:06	09/19/24 01:00	1
d3-NMePFOSA	105		15 - 130	09/18/24 10:06	09/19/24 01:00	1
13C2-PFDoDA	113		10 - 150	09/18/24 10:06	09/19/24 01:00	1

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(35-150)	(55-150)	(55-150)	(60-140)	(55-140)	(50-140)	(30-140)
460-311364-1	RXMW-1_P	94.9	91.4	75.7	85.0	83.3	106	119	108
460-311364-2	RXMW-5_P	98.7	99.6	85.5	97.7	88.3	109	107	101
460-311364-2 DU	RXMW-5_P	104	105	86.5	104	91.7	120	116	108
460-311364-3	FB_09132024_P	124	109	101	110	113	129	141 *	133
MB 240-627485/1-A	Method Blank	98.6	93.7	86.5	89.9	91.7	107	113	105

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(55-150)	(55-150)	(45-140)	(30-130)	(45-200)	(10-200)	(60-200)
460-311364-1	RXMW-1_P	85.3	112	107	112	105	105	113	149
460-311364-2	RXMW-5_P	78.2	121	111	115	109	103	107	142
460-311364-2 DU	RXMW-5_P	80.4	136	118	120	111	108	114	155
460-311364-3	FB_09132024_P	92.9	132	130	134	140 *	137	144	202 *
MB 240-627485/1-A	Method Blank	74.1	109	107	116	113	110	122	158

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(60-200)	(50-200)	(25-160)	(10-150)	(10-150)	(10-130)	(15-130)	(10-150)
460-311364-1	RXMW-1_P	141	132	80.8	98.8	89.5	71.0	80.6	105
460-311364-2	RXMW-5_P	149	142	84.9	102	91.9	71.3	80.0	93.5
460-311364-2 DU	RXMW-5_P	151	150	87.3	107	88.8	75.6	79.8	107
460-311364-3	FB_09132024_P	186	178	107	131	122	95.9	105	113
MB 240-627485/1-A	Method Blank	150	143	91.6	112	92.5	76.6	79.1	96.6

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(40-150)	(40-150)	(40-150)	(30-140)	(30-140)	(20-140)	(20-140)
LCS 240-627485/3-A	Lab Control Sample	91.1	84.1	79.2	81.5	83.9	103	107	96.0
LLCS 240-627485/2-A	Lab Control Sample	91.4	81.5	77.5	81.6	86.5	97.1	110	100

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(25-150)	(25-150)	(20-140)	(10-130)	(10-200)	(10-200)	(25-200)
LCS 240-627485/3-A	Lab Control Sample	72.2	97.3	101	106	98.0	107	108	137
LLCS 240-627485/2-A	Lab Control Sample	73.2	103	96.8	104	103	108	115	142

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(25-200)	(25-200)	(25-160)	(10-150)	(10-150)	(10-130)	(10-130)	(10-150)
LCS 240-627485/3-A	Lab Control Sample	125	126	84.7	97.4	86.5	69.8	75.3	93.7
LLCS 240-627485/2-A	Lab Control Sample	138	124	77.2	100	95.8	73.2	75.3	92.4

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-627485/1-A
Matrix: Water
Analysis Batch: 627555

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.00	U	8.00	2.13	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluoropentanoic acid (PFPeA)	4.00	U	4.00	1.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorotridecanoic acid (PFTrDA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorotetradecanoic acid (PFTeDA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluoropentanesulfonic acid (PFPeS)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.52	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluoroheptanesulfonic acid (PFHpS)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorononanesulfonic acid (PFNS)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorododecanesulfonic acid (PFDoS)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	8.00	U	8.00	2.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	8.00	U	8.00	2.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	8.00	U	8.00	2.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorooctanesulfonamide (PFOSA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.62	ng/L		09/18/24 10:06	09/18/24 23:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.52	ng/L		09/18/24 10:06	09/18/24 23:52	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	U	20.0	5.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	U	20.0	5.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	U	8.00	2.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.00	U	8.00	2.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	U	4.00	1.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	U	4.00	1.22	ng/L		09/18/24 10:06	09/18/24 23:52	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		09/18/24 10:06	09/18/24 23:52	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-627485/1-A
Matrix: Water
Analysis Batch: 627555

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.00	U	4.00	1.00	ng/L		09/18/24 10:06	09/18/24 23:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	U	10.0	2.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	U	50.0	12.5	ng/L		09/18/24 10:06	09/18/24 23:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	U	50.0	14.9	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.50	ng/L		09/18/24 10:06	09/18/24 23:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	U	4.00	1.00	ng/L		09/18/24 10:06	09/18/24 23:52	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98.6*		*10 - 130*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C5 PFPeA	*93.7*		*35 - 150*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C5 PFHxA	*86.5*		*55 - 150*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C4 PFHpA	*89.9*		*55 - 150*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C8 PFOA	*91.7*		*60 - 140*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C9 PFNA	*107*		*55 - 140*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C6 PFDA	*113*		*50 - 140*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C7 PFUnA	*105*		*30 - 140*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C2 PFTeDA	*74.1*		*10 - 130*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C3 PFBS	*109*		*55 - 150*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C3 PFHxS	*107*		*55 - 150*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C8 PFOS	*116*		*45 - 140*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C8 FOSA	*113*		*30 - 130*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
d3-NMeFOSAA	*110*		*45 - 200*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
d5-NEtFOSAA	*122*		*10 - 200*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
M2-4:2 FTS	*158*		*60 - 200*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
M2-6:2 FTS	*150*		*60 - 200*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
M2-8:2 FTS	*143*		*50 - 200*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C3 HFPO-DA	*91.6*		*25 - 160*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
d7-N-MeFOSE-M	*112*		*10 - 150*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
d9-N-EtFOSE-M	*92.5*		*10 - 150*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
d5-NEtPFOSA	*76.6*		*10 - 130*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
d3-NMePFOSA	*79.1*		*15 - 130*	*09/18/24 10:06*	*09/18/24 23:52*	*1*
13C2-PFDoDA	*96.6*		*10 - 150*	*09/18/24 10:06*	*09/18/24 23:52*	*1*

Lab Sample ID: LCS 240-627485/3-A
Matrix: Water
Analysis Batch: 627555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	100	107.3		ng/L		107	58 - 148
Perfluoropentanoic acid (PFPeA)	50.0	53.80		ng/L		108	54 - 152
Perfluorohexanoic acid (PFHxA)	25.0	28.65		ng/L		115	55 - 152
Perfluoroheptanoic acid (PFHpA)	25.0	28.18		ng/L		113	54 - 154
Perfluorooctanoic acid (PFOA)	25.0	29.31		ng/L		117	52 - 161
Perfluorononanoic acid (PFNA)	25.0	25.77		ng/L		103	59 - 149
Perfluorodecanoic acid (PFDA)	25.0	26.59		ng/L		106	52 - 147

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-627485/3-A
Matrix: Water
Analysis Batch: 627555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	25.0	27.26		ng/L		109	48 - 159
Perfluorododecanoic acid (PFDoA)	25.0	23.56		ng/L		94	64 - 142
Perfluorotridecanoic acid (PFTrDA)	25.0	23.41		ng/L		94	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	25.0	26.17		ng/L		105	47 - 161
Perfluorobutanesulfonic acid (PFBS)	22.1	24.73		ng/L		112	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	23.5	27.11		ng/L		116	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	22.8	25.63		ng/L		113	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	23.8	25.75		ng/L		108	55 - 152
Perfluorooctanesulfonic acid (PFOS)	23.2	22.89		ng/L		99	58 - 149
Perfluorononanesulfonic acid (PFNS)	24.0	23.47		ng/L		98	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	24.2	17.98		ng/L		74	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	93.4	95.35		ng/L		102	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	94.8	103.5		ng/L		109	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	95.8	100.9		ng/L		105	63 - 152
Perfluorooctanesulfonamide (PFOSA)	25.0	29.44		ng/L		118	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	25.0	29.72		ng/L		119	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	25.0	30.74		ng/L		123	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.0	27.27		ng/L		109	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	25.91		ng/L		104	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	250	257.2		ng/L		103	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	250	277.1		ng/L		111	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	101.3		ng/L		101	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.2	106.4		ng/L		113	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	50.54		ng/L		101	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	50.0	61.26		ng/L		123	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	93.2	91.23		ng/L		98	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	94.2	88.02		ng/L		93	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	44.5	51.10		ng/L		115	56 - 151

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-627485/3-A
Matrix: Water
Analysis Batch: 627555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	125	115.7		ng/L		93	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	625	537.8		ng/L		86	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	625	598.2		ng/L		96	50 - 138
Perfluorodecanesulfonic acid (PFDS)	24.1	23.20		ng/L		96	51 - 147
Perfluoro-3-methoxypropanoic acid (PFMPA)	50.0	50.13		ng/L		100	51 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*91.1*		*10 - 130*
13C5 PFPeA	*84.1*		*40 - 150*
13C5 PFHxA	*79.2*		*40 - 150*
13C4 PFHpA	*81.5*		*40 - 150*
13C8 PFOA	*83.9*		*30 - 140*
13C9 PFNA	*103*		*30 - 140*
13C6 PFDA	*107*		*20 - 140*
13C7 PFUnA	*96.0*		*20 - 140*
13C2 PFTeDA	*72.2*		*10 - 130*
13C3 PFBS	*97.3*		*25 - 150*
13C3 PFHxS	*101*		*25 - 150*
13C8 PFOS	*106*		*20 - 140*
13C8 FOSA	*98.0*		*10 - 130*
d3-NMeFOSAA	*107*		*10 - 200*
d5-NEtFOSAA	*108*		*10 - 200*
M2-4:2 FTS	*137*		*25 - 200*
M2-6:2 FTS	*125*		*25 - 200*
M2-8:2 FTS	*126*		*25 - 200*
13C3 HFPO-DA	*84.7*		*25 - 160*
d7-N-MeFOSE-M	*97.4*		*10 - 150*
d9-N-EtFOSE-M	*86.5*		*10 - 150*
d5-NEtPFOSA	*69.8*		*10 - 130*
d3-NMePFOSA	*75.3*		*10 - 130*
13C2-PFDoDA	*93.7*		*10 - 150*

Lab Sample ID: LLCS 240-627485/2-A
Matrix: Water
Analysis Batch: 627555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627485

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.073		ng/L		101	44 - 157
Perfluoropentanoic acid (PFPeA)	4.00	4.221		ng/L		106	57 - 148
Perfluorohexanoic acid (PFHxA)	2.00	2.471		ng/L		124	62 - 149
Perfluoroheptanoic acid (PFHpA)	2.00	2.136		ng/L		107	56 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.189		ng/L		109	57 - 161
Perfluorononanoic acid (PFNA)	2.00	2.207		ng/L		110	53 - 157
Perfluorodecanoic acid (PFDA)	2.00	2.360		ng/L		118	43 - 158

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-627485/2-A
Matrix: Water
Analysis Batch: 627555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627485

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.00	1.871	J	ng/L		94	50 - 155
Perfluorododecanoic acid (PFDoA)	2.00	1.914	J	ng/L		96	60 - 141
Perfluorotridecanoic acid (PFTrDA)	2.00	1.912	J	ng/L		96	52 - 140
Perfluorotetradecanoic acid (PFTeDA)	2.00	2.468		ng/L		123	52 - 156
Perfluorobutanesulfonic acid (PFBS)	1.77	1.837	J	ng/L		104	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.88	2.062		ng/L		110	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	1.82	2.090		ng/L		115	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.940	J	ng/L		102	51 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.874	J	ng/L		101	43 - 162
Perfluorononanesulfonic acid (PFNS)	1.92	1.870	J	ng/L		97	46 - 151
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.564	J	ng/L		81	30 - 138
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.47	7.596	J	ng/L		102	52 - 158
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.58	7.867	J	ng/L		104	48 - 158
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.66	8.544		ng/L		111	46 - 165
Perfluorooctanesulfonamide (PFOSA)	2.00	2.346		ng/L		117	47 - 163
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	2.425		ng/L		121	54 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	2.106		ng/L		105	49 - 156
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.047		ng/L		102	32 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.093		ng/L		105	51 - 154
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	21.64		ng/L		108	56 - 151
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.28	J	ng/L		96	60 - 147
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	8.241		ng/L		103	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.54	8.827		ng/L		117	61 - 148
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.244		ng/L		106	49 - 154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.446		ng/L		111	47 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	7.46	7.366	J	ng/L		99	44 - 167
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	7.54	7.458	J	ng/L		99	36 - 158
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.56	3.842	J	ng/L		108	56 - 144

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-627485/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 627555
Prep Batch: 627485

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	9.412	J	ng/L		94	32 - 161
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	41.83	J	ng/L		84	39 - 156
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	47.94	J	ng/L		96	36 - 149
Perfluorodecanesulfonic acid (PFDS)	1.93	1.962	J	ng/L		102	50 - 144
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.969	J	ng/L		99	48 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*91.4*		*10 - 130*
13C5 PFPeA	*81.5*		*40 - 150*
13C5 PFHxA	*77.5*		*40 - 150*
13C4 PFHpA	*81.6*		*40 - 150*
13C8 PFOA	*86.5*		*30 - 140*
13C9 PFNA	*97.1*		*30 - 140*
13C6 PFDA	*110*		*20 - 140*
13C7 PFUnA	*100*		*20 - 140*
13C2 PFTeDA	*73.2*		*10 - 130*
13C3 PFBS	*103*		*25 - 150*
13C3 PFHxS	*96.8*		*25 - 150*
13C8 PFOS	*104*		*20 - 140*
13C8 FOSA	*103*		*10 - 130*
d3-NMeFOSAA	*108*		*10 - 200*
d5-NEtFOSAA	*115*		*10 - 200*
M2-4:2 FTS	*142*		*25 - 200*
M2-6:2 FTS	*138*		*25 - 200*
M2-8:2 FTS	*124*		*25 - 200*
13C3 HFPO-DA	*77.2*		*25 - 160*
d7-N-MeFOSE-M	*100*		*10 - 150*
d9-N-EtFOSE-M	*95.8*		*10 - 150*
d5-NEtPFOSA	*73.2*		*10 - 130*
d3-NMePFOSA	*75.3*		*10 - 130*
13C2-PFDoDA	*92.4*		*10 - 150*

Lab Sample ID: 460-311364-2 DU
Client Sample ID: RXMW-5_P
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 627555
Prep Batch: 627485

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	2.66	J	3.141	J	ng/L		16	30
Perfluoropentanoic acid (PFPeA)	1.65	J	1.735	J	ng/L		5	30
Perfluorohexanoic acid (PFHxA)	2.43		2.220		ng/L		9	30
Perfluoroheptanoic acid (PFHpA)	1.93		1.645	J	ng/L		16	30
Perfluorooctanoic acid (PFOA)	27.9		23.34		ng/L		18	30
Perfluorononanoic acid (PFNA)	2.33		2.301		ng/L		1	30
Perfluorodecanoic acid (PFDA)	1.56	U	1.71	U	ng/L		NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-311364-2 DU
Matrix: Water
Analysis Batch: 627555

Client Sample ID: RXMW-5_P
Prep Type: Total/NA
Prep Batch: 627485

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	1.56	U		1.71	U	ng/L				NC	30
Perfluorododecanoic acid (PFDoA)	1.56	U		1.71	U	ng/L				NC	30
Perfluorotridecanoic acid (PFTrDA)	1.56	U		1.71	U	ng/L				NC	30
Perfluorotetradecanoic acid (PFTeDA)	1.56	U		1.71	U	ng/L				NC	30
Perfluorobutanesulfonic acid (PFBS)	3.56			3.095		ng/L				14	30
Perfluoropentanesulfonic acid (PFPeS)	1.56	U		1.71	U	ng/L				NC	30
Perfluorohexanesulfonic acid (PFHxS)	3.09			3.005		ng/L				3	30
Perfluoroheptanesulfonic acid (PFHpS)	2.33			2.518		ng/L				8	30
Perfluorooctanesulfonic acid (PFOS)	32.9			33.55		ng/L				2	30
Perfluorononanesulfonic acid (PFNS)	1.56	U		1.71	U	ng/L				NC	30
Perfluorododecanesulfonic acid (PFDoS)	1.56	U		1.71	U	ng/L				NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.24	U		6.85	U	ng/L				NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.24	U		6.85	U	ng/L				NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.24	U		6.85	U	ng/L				NC	30
Perfluorooctanesulfonamide (PFOSA)	1.56	U		1.71	U	ng/L				NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	U		1.71	U	ng/L				NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	U		1.71	U	ng/L				NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	U		1.71	U	ng/L				NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	U		1.71	U	ng/L				NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	U		17.1	U	ng/L				NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	U		17.1	U	ng/L				NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.24	U		6.85	U	ng/L				NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.24	U		6.85	U	ng/L				NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.12	U		3.43	U	ng/L				NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.12	U		3.43	U	ng/L				NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.24	U		6.85	U	ng/L				NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.24	U		6.85	U	ng/L				NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.12	U		3.43	U	ng/L				NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-311364-2 DU
Matrix: Water
Analysis Batch: 627555

Client Sample ID: RXMW-5_P
Prep Type: Total/NA
Prep Batch: 627485

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.80	U		8.57	U	ng/L				NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.0	U		42.8	U	ng/L				NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.0	U		42.8	U	ng/L				NC	30
Perfluorodecanesulfonic acid (PFDS)	1.56	U		1.71	U	ng/L				NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.12	U		3.43	U	ng/L				NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*104*		*10 - 130*
13C5 PFPeA	*105*		*35 - 150*
13C5 PFHxA	*86.5*		*55 - 150*
13C4 PFHpA	*104*		*55 - 150*
13C8 PFOA	*91.7*		*60 - 140*
13C9 PFNA	*120*		*55 - 140*
13C6 PFDA	*116*		*50 - 140*
13C7 PFUnA	*108*		*30 - 140*
13C2 PFTeDA	*80.4*		*10 - 130*
13C3 PFBS	*136*		*55 - 150*
13C3 PFHxS	*118*		*55 - 150*
13C8 PFOS	*120*		*45 - 140*
13C8 FOSA	*111*		*30 - 130*
d3-NMeFOSAA	*108*		*45 - 200*
d5-NEtFOSAA	*114*		*10 - 200*
M2-4:2 FTS	*155*		*60 - 200*
M2-6:2 FTS	*151*		*60 - 200*
M2-8:2 FTS	*150*		*50 - 200*
13C3 HFPO-DA	*87.3*		*25 - 160*
d7-N-MeFOSE-M	*107*		*10 - 150*
d9-N-EtFOSE-M	*88.8*		*10 - 150*
d5-NEtPFOSA	*75.6*		*10 - 130*
d3-NMePFOSA	*79.8*		*15 - 130*
13C2-PFDoDA	*107*		*10 - 150*

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

LCMS

Prep Batch: 627485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311364-1	RXMW-1_P	Total/NA	Water	1633	
460-311364-2	RXMW-5_P	Total/NA	Water	1633	
460-311364-3	FB_09132024_P	Total/NA	Water	1633	
MB 240-627485/1-A	Method Blank	Total/NA	Water	1633	
LCS 240-627485/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 240-627485/2-A	Lab Control Sample	Total/NA	Water	1633	
460-311364-2 DU	RXMW-5_P	Total/NA	Water	1633	

Analysis Batch: 627555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311364-1	RXMW-1_P	Total/NA	Water	1633	627485
460-311364-2	RXMW-5_P	Total/NA	Water	1633	627485
460-311364-3	FB_09132024_P	Total/NA	Water	1633	627485
MB 240-627485/1-A	Method Blank	Total/NA	Water	1633	627485
LCS 240-627485/3-A	Lab Control Sample	Total/NA	Water	1633	627485
LLCS 240-627485/2-A	Lab Control Sample	Total/NA	Water	1633	627485
460-311364-2 DU	RXMW-5_P	Total/NA	Water	1633	627485

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311364-1

Client Sample ID: RXMW-1_P

Lab Sample ID: 460-311364-1

Date Collected: 09/13/24 12:05
Matrix: Water
Date Received: 09/14/24 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			627485	CLB	EET CLE	09/18/24 10:06
Total/NA	Analysis	1633		1	627555	RMN	EET CLE	09/19/24 00:33

Client Sample ID: RXMW-5_P

Lab Sample ID: 460-311364-2

Date Collected: 09/13/24 13:30
Matrix: Water
Date Received: 09/14/24 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			627485	CLB	EET CLE	09/18/24 10:06
Total/NA	Analysis	1633		1	627555	RMN	EET CLE	09/19/24 00:47

Client Sample ID: FB_09132024_P

Lab Sample ID: 460-311364-3

Date Collected: 09/13/24 12:20
Matrix: Water
Date Received: 09/14/24 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			627485	CLB	EET CLE	09/18/24 10:06
Total/NA	Analysis	1633		1	627555	RMN	EET CLE	09/19/24 01:00

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24 *
West Virginia DEP	State	210	12-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
1633	Solid-Phase Extraction (SPE)	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311364-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311364-1	RXMW-1_P	Water	09/13/24 12:05	09/14/24 19:15
460-311364-2	RXMW-5_P	Water	09/13/24 13:30	09/14/24 19:15
460-311364-3	FB_09132024_P	Water	09/13/24 12:20	09/14/24 19:15

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 222

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler: EMERY LONGLAMP	Lab PM: Flannery, Elizabeth J	Carrier Tracking No(s):	COC No: 460-185739-121603 1
Client Contact: Lauren Dolginko	Phone: 704-770-6813	E-Mail: Elizabeth Flannery@et eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 311364
Address: 209 Shafter St	Due Date Requested: STANDARD			Preservation Codes: N - None
City: Islandia	TAT Requested (days): Standard			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: Purchase Order Requested			
Email: ldolginko@rouxinc com	WO #: 2828 W 28th Street			
Project Name: 2828 W 28th Street	Project #: 46044510			
Site: 2828 W 28TH ST	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 - 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	X	
PXMW-1_P	9/13/24	1205	G	W	N	N	X	3	
PXMW-5_P	"	1330	G	W	N	N	X	3	
FB_09132024_P	"	1220	G	W	N	N	X	3	

460-311364 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		9/13/24 1435	Roux		9/13/24 1450	
2		Date/Time	Company		9-13-24 17:00	ET
3		9-13-24 19:00	ET		9/13 1915	ETA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) °C and Other Remarks

10/08 ER 11/13 - 1.2/1.4

Ver: 05/06/2024

9/20/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 311364

Number of Coolers: 2 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.1 °C	1.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.2 °C	1.4 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

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

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

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

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

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

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

Initials: ML Date: 9-13-24

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-72143.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-311364-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 9/26/2024			
City: Barberton	TAT Requested (days):			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: 2828 W 28th St	Project #: 46044510			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

Other: PFAS R087-060

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_SPE 1633 Standard List of 40	1633_DRAFT_TSS	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
RXMW-1_P (460-311364-1)	9/13/24	12:05 Eastern	G	Water			X	X	2	
RXMW-5_P (460-311364-2)	9/13/24	13:30 Eastern	G	Water			X	X	2	
FB_09132024_P (460-311364-3)	9/13/24	12:20 Eastern	G	Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	9/16/24 1900	EET EL	KATHARINE MARTIN	9/17/24 930	EUL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :**
Barberton Facility

Client Eurofins Site Name _____ Cooler unpacked by: KM

Cooler Received on 9/17/24 Opened on _____

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # (6) Foam Box Client Cooler Box Other _____

Packing material used. (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 22 (CF -0.1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	(Yes)	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC442471
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not *checked for pH by* Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # : _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 22	2.8	2.7	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.4	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	

Part # 158469-434 MTW EXP 04/25

ORIGIN ID:LDJA (732) 549-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 16SEP24
ACTWGT: 46.50 LB
CAD: 0619092/CAFE3808

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203
(330) 497-9396
PO: YES

REF: 8460-186198

FedEx Express

2 of 2
MPS# 0263 6553 1012 9622
Mstr# 6553 1012 9611

0201

TUE - 17 SEP 10:30A
PRIORITY OVERNIGHT

NX CAKA

44203
OH-US CLE

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-72143.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-311364-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 9/26/2024			
City: Barberton	TAT Requested (days):			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: 2828 W 28th St	Project #: 46044510			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

Other: PFAS R087-060

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_SPE 1633 Standard List of 40	1633_DRAFT_TSS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X			X	
RXMW-1_P (460-311364-1)	9/13/24	12:05 Eastern	G	Water			X	X	2	
RXMW-5_P (460-311364-2)	9/13/24	13:30 Eastern	G	Water			X	X	3	
FB_09132024_P (460-311364-3)	9/13/24	12:20 Eastern	G	Water			X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	9/16/24 1900	EET EDI	KATHARINE MARTIN	9/17/24 930	EUL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :**
Barberton Facility

Client Eurofins Site Name

Cooler Received on 9/17/24 Opened on 9/17/24

Cooler unpacked by: KM

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours. Drop-off Date/Time Storage Location

Eurofins Cooler # 6E Foam Box Client Cooler Box Other

Packing material used. (Bubble Wrap) Foam Plastic Bag None Other

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 22 (CF -0.1 °C) Observed Cooler Temp. °C Corrected Cooler Temp °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2	(Yes) No	
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)	
-Were tamper/custody seals intact and uncompromised?	(Yes) No NA	
3 Shippers' packing slip attached to the cooler(s)?	(Yes) No	
4. Did custody papers accompany the sample(s)?	(Yes) No	
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes (No)	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12. Are these work share samples and all listed on the COC?	(Yes) No	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA	pH Strip Lot# HC442471
14 Were VOAs on the COC?	Yes No	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No NA	
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes No	
17 Was a LL Hg or Me Hg trip blank present?	Yes No	

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved. Preservative(s) added/Lot number(s).

VOA Sample Preservation - Date/Time VOAs Frozen.

Login # : _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 22	2.8	2.7	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.4	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	

Part # 158468-434 MTW EXP 04/25

ORIGIN ID:LDJA (732) 549-3900
DIAA NIMER
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE 16SEP24
ACTWGT 46.50 LB
CAD 0619092/CAFE3808

BILL SENDER

TO **SHIPPING/RECEIVING**
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203
(330) 497-9396
PO: YES
REF: 8460-186198

FedEx Express

2 of 2
MPS# 0263 6553 1012 9622
Mstr# 6553 1012 9611
0201

TUE - 17 SEP 10:30A
PRIORITY OVERNIGHT

NX CAKA

44203
OH-US **CLE**

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311364-1

Login Number: 311364

List Source: Eurofins Edison

List Number: 1

Creator: Casallas, Angela C

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX F

Field Sampling Plan/Quality Assurance Project Plan

Quality Assurance Project Plan/Field Sampling Plan (QAPP/FSP)

2828 West 28th Street
Brooklyn, New York

January 5, 2026

Prepared for:

Gilbane Development Company
Wall Street Plaza
88 Pine Street
New York, New York 10005

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
209 Shafter Street
Islandia, New York 11749

3868.0006Y107/CV

Environmental Consulting
& Management
+1.800.322.ROUX
rouxinc.com

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2. NYSDEC PFAS Guidance
3. Roux's Standard Operating Procedures
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1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of Sea Park GTH LLC (Volunteer), has prepared this Quality Assurance Project Plan/Field Sampling Plan (QAPP/FSP) to describe the measures that will be taken to ensure that the data generated during performance of the Remedial Investigation Work Plan (RIWP) for the property located at 2828 West 28th Street, Brooklyn, New York (Site) are of quality sufficient to meet project-specific data quality objectives (DQOs). This QAPP/FSP also includes field sampling procedures.

This QAPP/FSP was prepared in accordance with the guidance provided in the New York State Department of Environmental Conservation's (NYSDEC's) Technical Guidance for Site Investigation and Remediation (DER-10) dated May 2010, the NYSDEC Brownfield Cleanup Plan (BCP) Guide, and the United States Environmental Protection Agency's (USEPA's) Guidance on Systematic Planning using the Data Quality Objectives Process (EPA QA/G-4) dated February 2006.

1.1 Purpose

This QAPP/FSP describes in detail the field sampling and quality assurance/quality control (QA/QC) methods to be used during soil, soil vapor, and groundwater sampling tasks performed during the Remedial Investigation (RI).

This QAPP/FSP was prepared in accordance with the NYSDEC's DER-10 and provides guidelines and procedures to be followed by field personnel during performance of sampling during the RI. Information contained in this QAPP/FSP relates to:

- sampling objectives (Section 2);
- project organization (Section 3);
- sample media, locations, analytical suites, and frequency (Section 4);
- field sampling procedures (Section 5);
- sample handling, sample analysis, and QA/QC (Section 6); and
- Site control procedures and decontamination (Section 7).

2. Sampling Objectives

Previous investigations at the Site have documented the presence of soil contamination likely due to contaminated historic fill from an unknown source used to fill out the Coney Island neighborhood.

The proposed scope of work was developed to fill in data gaps for the below areas of concern (AOCs) that were not investigated during the completed investigations at the Site to date so that, together with the previously collected data, the entire Site will be sufficiently characterized to qualitatively assess the potential exposure of receptors to Site contaminants and develop the information necessary to support the development of a Remedial Action Work Plan (RAWP).

As a result of the previous investigations, the following areas of concern (AOCs) have been identified at the Site as shown on Figure 1:

- AOC-1: Elevated metals and PCBs (located in the area surrounding RXSB-2); and
- AOC-2: Supplemental delineation of nature and extent of fill materials and evaluating the presence of ECs (located in the remainder of the Site boundary).

Sampling procedures are discussed in Section 5 of this QAPP/FSP. A discussion of the DQOs and QA/QC is provided in Section 6.

3. Project Organization

A general and generic summary of the overall management structure and responsibilities of project team members are presented below. Professional profiles for the team are provided in Attachment 1.

Project Principal

Frank Cherena, P.G. will serve as the Project Principal. The Project Principal is responsible for defining project objectives and bears ultimate responsibility for the successful completion of the investigation.

Remedial Engineer

The Remedial Engineer for this project will be Charles J. McGuckin, P.E. The Remedial Engineer is a registered professional engineer licensed by the State of New York. The Remedial Engineer will have primary direct responsibility for implementation of the RI and future remedial program for the Site. The Remedial Engineer will certify in the Remedial Investigation Report (RIR) that the investigation activities were observed by qualified environmental professionals under their supervision as well as any other relevant provisions of Environmental Conservation Law (ECL) 27-1419 have been achieved in full conformance with the RI.

Project Manager

Lauren Dolginko will serve as the Project Manager. The Project Manager is responsible for defining project objectives and bears ultimate responsibility for the successful completion of the work. This individual will provide overall management for the implementation of the scope of work and will coordinate all field activities. The Project Manager is also responsible for data review/interpretation and report preparation.

Field Team Leader

The Field Team Leader will be determined prior to mobilization to the field. The Field Team Leader bears the responsibility for the successful execution of the field program. The Field Team Leader will direct the activities of the technical staff in the field, as well as all subcontractors. The Field Team Leader will also assist in the interpretation of data and in report preparation. The Field Team Leader reports to the Project Manager.

Laboratory Project Manager

Laboratory analysis will be completed by TestAmerica Laboratories of Edison, New Jersey, Sacramento, California, and Burlington, Vermont, New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratories (11452, 11666, and 10391, respectively). The Laboratory Project Manager is Elizabeth Flannery. The Laboratory Project Manager is responsible for sample container preparation, sample custody in the laboratory, and completion of the required analysis through oversight of the laboratory staff. The Laboratory Project Manager will ensure that QA procedures are followed and that an acceptable laboratory report is prepared and submitted. The Laboratory Project Manager reports to the Project Principal and Project Manager.

Quality Assurance Officer

Sarah Stern will serve as the Quality Assurance Officer (QAO) for this project. The QAO is responsible for conducting reviews, inspections, and audits to ensure that the data collection is conducted in accordance with the QAPP/FSP. The QAO's responsibilities range from ensuring effective field equipment decontamination procedures and proper sample collection to the review of all laboratory analytical data for completeness and usefulness. The QAO makes recommendations to the Field Team Leader.

4. Sample Media, Locations, Analytical Suites, and Frequency

The media to be sampled during the RI includes soil. A discussion of the sampling schedule is provided below, while the assumed number of field samples to be collected, including QC samples, is included in Tables 3 and 4. Specifics regarding the collection of samples at each location and for each task are provided in Section 5 of this QAPP/FSP.

4.1 Soil Sampling

Soil samples are to be used to determine the nature and extent of the known contamination at the Site and obtain a current representation of the environmental conditions at the Site. Ten soil borings are proposed to be installed at the locations shown in Figure 1. Each boring location will be cleared to a depth of up to 5 feet below land surface (ft bls) using hand tools (e.g., post-hole digger, shovel, hand-auger, etc.). Soil from each soil boring will be visually inspected for evidence of impacts and screened for organic vapors in the field using a photoionization detector (PID). Soil lithology will be recorded according to the Unified Soil Classification System (USCS).

In AOC-1, in order to delineate contamination surrounding the RXSB-2 hot spot, four delineation soil borings (RXSB-11 through RXSB-14) will be advanced to 2 ft bls to the north, south, east, and west approximately 5 feet away from the initial RXSB-2 location. Additionally in AOC-1, a sample will be collected from RXSB-15 to determine the presence of lead concentration in excess of the RCRA regulatory limits at the location of previous soil boring RXSB-2. Previous boring RXSB-2 yielded a total lead concentration of 9,060 mg/kg during the OER RI. One soil sample will be collected from RXSB-15 at the 0 - 2 ft bls interval and analyzed for TCLP lead. Should the samples yield hazardous levels of lead in soil, additional delineation will be completed as part of the waste characterization of the Site.

In AOC-2, five borings (RXSB-15 though RXSB-19) will be advanced to approximately 2 ft bls past the observation of native soil to investigate for potential fill material and EC contamination. During the OER-RI, soil sampling results identified exceedances above SCOs primarily in the fill material layer. Additionally, one EC soil sample was collected at RXSB-5 from the 0-2 ft bls interval, and no exceedances were observed above the GVs. To further investigate potential fill material and EC contamination, each boring location will be completed to a depth of 2 ft bls past the observation of native soil utilizing a Geoprobe®.

Soil samples will be collected from each soil boring at the intervals designated below.

Table 1. Summary of Soil Sample Rationale

AOC Location	Boring ID To Be Sampled	Target Soil Sample Depths (ft bls)	Rationale	Analyses
AOC-1	RXSB-11 through RXSB-14	0-2 feet	Delineate the nature and extent of metals and PCB contamination surrounding previous soil boring location RXSB-2.	TAL/NYSDEC Part 375 Metals, total cyanide, hexavalent/trivalent chromium and PCBs
AOC-1	RXSB-15	0-2 inches	A surface soil sample will be collected from a depth of 0-2 in the existing landscaped areas or where soil is present; for the purpose of exposure evaluation.	Target Compound List (TCL)/NYSDEC Part 375 SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium
		2-6 inches	A surface soil sample will be collected from a depth of 2-6 inches in the existing landscaped areas or where soil is present; for the purpose of exposure evaluation.	TCL/NYSDEC Part 375 VOCs
		0-2 feet	Determine the presence of lead concentrations in excess of RCRA regulatory limits at RXSB-2.	TCLP lead
AOC-2	RXSB-17	0-2 inches	A surface soil sample will be collected from a depth of 0-2 in the existing landscaped areas or where soil is present; for the purpose of exposure evaluation.	Target Compound List (TCL)/NYSDEC Part 375 SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium
		2-6 inches	A surface soil sample will be collected from a depth of 2-6 inches in the existing landscaped areas or where soil is present; for the purpose of exposure evaluation.	TCL/NYSDEC Part 375 VOCs
		Highest impact or 2-ft above observed water table	Supplemental delineation of nature and extent of fill materials and evaluating the presence of ECs	TCL/NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium, ECs*
	RXSB-16 & RXSB-18 through RXSB-20	0-2 feet	Supplemental delineation of nature and extent of fill materials and evaluating the presence of ECs	TCL/NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium, ECs*
		Highest impact or 2-ft above observed water table	Supplemental delineation of nature and extent of fill materials and evaluating the presence of ECs	TCL/NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, TAL/NYSDEC Part 375 metals, total cyanide, hexavalent/trivalent chromium, ECs*

*As required by NYSDEC, soil samples will be analyzed for the ECs 1,4-Dioxane and per- and polyfluoroalkyl substances (PFAS), which include the 40 compounds listed in accordance with the Sampling, Analysis, and Assessment of PFAS under NYSDEC's Part 375 Remedial Programs guidance document (NYSDEC April 2023 Guidance).

Appropriate QA/QC samples will be collected based on applicable guidance. Additional samples may be required if evidence of impacts is observed.

4.2 Groundwater Sampling

To characterize onsite groundwater flow and groundwater quality, three existing permanent monitoring wells (RXMW-1, RXMW-5, and RXMW-6) will be sampled and analyzed. The proposed RI monitoring well sampling locations are provided on Figure 1.

Based on data from previous environmental reports, it is assumed that groundwater will be encountered at approximately 6.00 to 6.90 ft bls or -0.78 ft to -0.98 ft relative to North American Vertical Datum of 1988 (NAVD88). The monitoring well installation and groundwater sampling procedures are outlined below in Section 5.2.

Groundwater samples collected as part of the RI will be analyzed for the following list of parameters:

- NYSDEC Part 375/TCL VOCs via United States Environmental Protection Agency (EPA) method 8260D;
- NYSDEC Part 375/TCL SVOCs via EPA method 8270E;
- NYSDEC Part 375/TCL pesticides via EPA method 8081B;
- PCBs via EPA method 8082A;
- NYSDEC Part 375/TAL total and dissolved metals (including hexavalent chromium, trivalent chromium, and total cyanide) via EPA method 6020B, 7470A, and 9012B; and
- ECs* via EPA method 1633A.

  * As required by NYSDEC, groundwater samples will also be analyzed for the ECs 1,4-Dioxane and PFAS, which include the 41 compounds listed in the NYSDEC April 2023 Guidance.

Groundwater samples will be filtered in the field for metals and both filtered and unfiltered results will be reported.

The TestAmerica standard operating procedures (SOPs) for completing EC analysis and reporting limits/minimum detection limits for EC compounds are included in Attachment 4. Reporting limits for ECs are also summarized in Tables 2 and 3.

Field parameters (pH, temperature, turbidity, conductivity, oxidation-reduction potential [ORP], and dissolved oxygen) will also be collected in the field using a water quality meter during purging prior to sample collection.

4.3 Soil Vapor Sampling

Six soil vapor samples will be collected during the RI to evaluate soil vapor conditions at the Site. The proposed soil vapor sampling locations are shown on Figure 1. All soil vapor samples will be collected in accordance with the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusuion in the State of New York (NYSDOH Guidance) and June 2015 EPA Soil Vapor Guidance. All soil vapor samples will be analyzed for VOCs using EPA Method TO-15. Soil vapor point installation and soil vapor sampling procedures are outlined below is Section 5.3.

5. Field Sampling Procedures

This section provides a detailed discussion of the field procedures to be used during sampling of the soil being evaluated as part of the RI. As discussed, the sample locations are shown on Figure 9 of the RIWP. Additional details regarding sampling procedures and protocols are described in Roux's relevant Standard Operating Procedures (SOPs), which are provided in Attachment 3.

5.1 Soil Sampling

Details for the collection of soil samples are provided below. At soil boring locations, pre-clearance will be completed up to 5 ft bls using non-intrusive methods (i.e., hand auger, post-hole digger, shovel, etc.) to verify the absence of potential underground utilities. Should a utility or other feature be observed during pre-clearance activities, the sampling location will be relocated to no greater than 10 feet away from the original proposed location. Should the sampling location need to be located at a distance greater than 10 feet from the original proposed location due to access constraints, Roux will contact the NYSDEC case manager for approval.

Soil will be collected continuously from land surface to the targeted sample interval as summarized in Table 1 and in Section 4.1. The soil from each 5 foot interval will be observed for lithology and evidence of contamination (e.g., staining, odors, and/or visible free product) and placed immediately thereafter into large Ziploc® bags for recording headspace using a PID. After a minimum of 15 minutes for equilibration with the headspace in the Ziploc® bag, each sample will be screened for organic vapors using a PID equipped with a 10.6 eV lamp. Samples collected for VOC analysis will be placed in a laboratory-supplied jar or EnCore sampler prior to screening, due to the potential for loss of VOCs through volatilization. Soil samples will be analyzed for the parameters described above in Section 4.1. These samples will be placed in the laboratory-supplied containers and shipped to the laboratory under chain of custody procedures in accordance with Roux's SOPs, included in Attachment 3.

Following sample collection, the boreholes will be backfilled with soil cuttings and patched with concrete or asphalt to restore the location to pre-existing conditions. Contaminated soil cuttings, if encountered, will be placed in sealed and labeled United States Department of Transportation (DOT) approved 55-gallon drums pending characterization and offsite disposal at a permitted facility.

Additional necessary precautions will be taken when sampling for ECs in the field, including, but not limited to:

- Using the proper field clothing or personal protective equipment (PPE) (i.e., no materials will contain Gore-Tex or Tyvek);
- Avoid using Grundfos and bladder pumps and sampling equipment components/containers making contact with aluminum foil, low-density polyethylene (LDPE), glass, or polytetrafluoroethylene materials;
- Following PFAS field sampling guidelines (i.e., using sampling materials made from high-density polyethylene [HDPE], silicon, or stainless steel and avoid using equipment containing Teflon and using Sharpies, permanent markers, adhesives, and waterproof/plastic clipboards and notebooks); and
- Utilizing regular ice for sample presevation and only Alconox or Liquinox for decontamination.

Sampling for ECs will be completed in accordance with the NYSDEC April 2023 Guidance (Attachment 2). Reporting limits for ECs are also summarized in Table 2.

5.2 Groundwater Sampling

Prior to sampling, depth to water will be measured at each well using an electronic water level meter with an accuracy of +/ 0.01 feet. All wells will then be purged and sampled using a submersible pump or low-flow method, or an alternative method, depending on the observed depth to groundwater and logistical requirements. Purging and sampling will be performed consistent with EPA low-flow sampling requirements. Field parameters (pH, temperature, turbidity, conductivity, ORP, and dissolved oxygen) will be collected using a water quality meter with a flow-through cell until parameters stabilize before samples are collected. Groundwater samples will be analyzed for the parameters described above in Section 4.2.

Additional necessary precautions will be taken when sampling for ECs in the field, including, but not limited to:

- Using the proper field clothing or personal protection equipment (PPE) (i.e., no materials will contain Gore-Tex or Tyvek);
- Avoid using Grundfos and bladder pumps and sampling equipment components/containers making contact with aluminum foil, low-density polyethylene (LDPE), glass, or polytetrafluoroethylene materials;
- Following PFAS field sampling guidelines (i.e., using sampling materials made from high-density polyethylene (HDPE), silicon, or stainless steel and avoid using equipment containing Teflon and using Sharpies, permanent markers, adhesives, and waterproof/plastic clipboards and notebooks); and
- Utilizing regular ice for sample presevation and only Alconox or Liquinox for decontamination.

Sampling for ECs will be completed in accordance with the NYSDEC April 2023 Guidance (Attachment 2).

All groundwater samples will be collected and placed in laboratory-supplied containers and shipped to the laboratory under chain of custody procedures in accordance with Roux's field sampling SOPs included in Attachment 3.

5.3 Soil Vapor Sampling

Six soil vapor samples will be collected during the RI to evaluate soil vapor concentrations at the Site. The soil vapor samples will be collected form a depth of 2 ft above the water table. New Teflon®-lined tubing will be attached to thesoil vapor sampling points with a 6-inch stainless steel screen. The soil vapor points will be backfilled with #2 Morie sand to approximately 6-inches above the screen. The remainder of the borehole will be backfilled with a cement/bentonite slurry to grade.

Prior to sample collection the Teflon®-lined tubing will be purged of approximatley two volumes of the tubing using a vacuum pump set at a rate of 0.2 liters per minute. A tracer gas (i.e., helium) will be used to enrich the atmosphere in the immediate vicinity of the sampling location in order to test the borehole seal and verify that ambient air is not being drawn into the sample in accordanc with the procedures outlined in the NYSDOH Guidance. Following purging and verification with the tracer gas, the tubing will be connected to the pre-cleaned (batch-certified) laboratory supplied six-liter summa canister. All soil vapor samples will be collectd using the canisters with regulators calibrated to collect samples over an 8-hour period and analyzed using EPA Method TO-15 for VOCs.

6. Sample Handling, Sample Analysis, and QA/QC

To ensure quality data acquisition and collection of representative samples, there are selective procedures to minimize sample degradation or contamination. These include procedures for preservation of the samples, as well as sample packaging, shipping procedures, and QA/QC.

6.1 Field Sample Handling

A discussion of the proposed number and types of samples to be collected during each task, as well as the analyses to be performed, can be found in Section 4 of this QAPP/FSP. The types of containers, volumes, and preservation techniques for the aforementioned testing parameters are presented in Table 5.

6.2 Sample Custody Documentation

The purpose of documenting sample custody is to ensure that the integrity and handling of the samples is not subject to question. Sample custody will be maintained from the point of sampling through the analysis (and return of unused sample portion, if applicable).

Each individual collecting samples is personally responsible for the care and custody of the samples. All sample labels should be pre-printed or filled out using waterproof ink. The technical staff will review all field activities with the Field Team Leader to determine whether proper custody procedures were followed during the field work and to decide if additional samples are required.

All samples being shipped offsite for analysis must be accompanied by a properly completed chain of custody form. The sample numbers will be listed on the chain of custody form. When transferring the possession of samples, individuals relinquishing and receiving will sign, date, and note the time on the record. This record documents transfer of custody of samples from the sampler to another person, to/from a secure storage area, and to the laboratory.

Samples will be packaged for shipment and dispatched to the appropriate laboratory for analysis with a separate signed custody record enclosed in each sample box or cooler. Shipping containers will be locked and/or secured with strapping tape in at least two locations for shipment to the laboratory.

6.3 Sample Shipment

Samples are anticipated to be transported to the laboratory via courier, however, if sample shipment is necessary, sample packaging and shipping procedures are based upon USEPA specifications, as well as DOT regulations. The procedures vary according to potential sample analytes, concentration, and matrix and are designed to provide optimum protection for the samples and the public. Sample packaging and shipment must be performed using the general outline described below.

All samples will be shipped within 24 hours of collection and will be preserved appropriately from the time of sample collection. A description of the sample packing and shipping procedures is presented below:

1. Prepare cooler(s) for shipment:
   - tape drain(s) of cooler shut;
   - affix “This Side Up” arrow labels and “Fragile” labels on each cooler; and
   - place mailing label with laboratory address on top of cooler(s).

2. Arrange sample containers in groups by sample number.
3. Ensure that all bottle labels are completed correctly. Place clear tape over bottle labels to prevent moisture accumulation from causing the label to peel off.
4. Arrange containers in front of assigned coolers.
5. Place packaging material at the bottom of the cooler to act as a cushion for the sample containers.
6. Arrange containers in the cooler so that they are not in contact with the cooler or other samples.
7. Fill remaining spaces with packaging material.
8. Ensure all containers are firmly packed in packaging material.
9. If ice is required to preserve the samples, ice cubes should be repackaged in Zip-lock™ bags and placed on top of the packaging material. Blue Ice cannot be used for cooling inside containers being used for shipping PFAS samples.
10. Sign chain of custody form (or obtain signature) and indicate the time and date it was relinquished to courier as appropriate.
11. Separate chain of custody forms. Seal proper copies within a large Zip-loc™ bag and tape to inside cover of cooler. Retain copies of all forms.
12. Close lid and latch.
13. Secure each cooler using custody seals.
14. Tape cooler shut on both ends.
15. Relinquish to overnight delivery service as appropriate. Retain air bill receipt for project records. (Note: All samples will be shipped for "NEXT A.M." delivery).

6.4 QA/QC

Judy Harry, a third-party data validator, will review the analytical data for QA/QC and prepare the Data Usability Summary Report (DUSR) in accordance with NYSDEC standards. Validator resume is included in Attachment 1. A laboratory SOP for analysis of PFAS is included in Attachment 4.

The primary intended use for the data proposed to be collected is to characterize Site conditions and determine what remediation needs to be undertaken at the Site. The primary DQO of the soil program, therefore, is that data be accurate and precise, and hence representative of the actual Site conditions. Accuracy refers to the ability of the laboratory to obtain a true value (i.e., compared to a standard) and is assessed through the use of laboratory QC samples, including laboratory control samples and matrix spike samples, as well as through the use of surrogates, which are compounds not typically found in the environment that are injected into the samples prior to analysis. Precision refers to the ability to replicate a value and is assessed through both field and laboratory duplicate samples.

Sensitivity is also a critical issue in generating representative data. Laboratory equipment must be of sufficient sensitivity to detect target compounds and analytes at levels below NYSDEC standards and guidelines whenever possible. Equipment sensitivity can be decreased by field or laboratory contamination of samples and by sample matrix effects. Assessment of instrument sensitivity is performed through the analysis of reagent blanks, near-detection-limit standards, and response factors. Potential field and/or laboratory contamination is assessed through use of trip blanks, method blanks, and equipment rinse blanks (also called "field blanks").

Table 3 lists the requirements for field and laboratory QC samples that will be analyzed to assess data accuracy and precision, as well as to determine if equipment sensitivity has been compromised. Table 4 lists the number/type of field and QA/QC samples that will be collected during the RI. Table 5 lists the preservation, holding times, and sample container information.

All RI "assessment" analyses will be performed in accordance with the NYSDEC Analytical Services Protocol (ASP), using USEPA SW 846 methods.

All laboratory data are to be reported in NYSDEC ASP Category B deliverables and will be delivered to NYSDEC in electronic data deliverable (EDD) format as described on NYSDEC's website (http://www.dec.ny.gov/chemical/62440.html). A DUSR will be prepared meeting the requirements in Section 2.2(a)1.ii and Appendix 2B of DER-10 for all data packages generated during the RI.

7. Site Control Procedures and Decontamination

Site control procedures, including decontamination, waste handling, and disposal, are discussed below. Site control procedures have been developed to minimize both the risk of exposure to contamination and the spread of contamination during field activities at the Site. All personnel who come into designated work areas, including contractors and observers, will be required to adhere strictly to the conditions imposed herein and to the provisions of a Site-Specific Health and Safety Plan (HASP). The HASP is included as Appendix E to the RIWP.

7.1 Decontamination

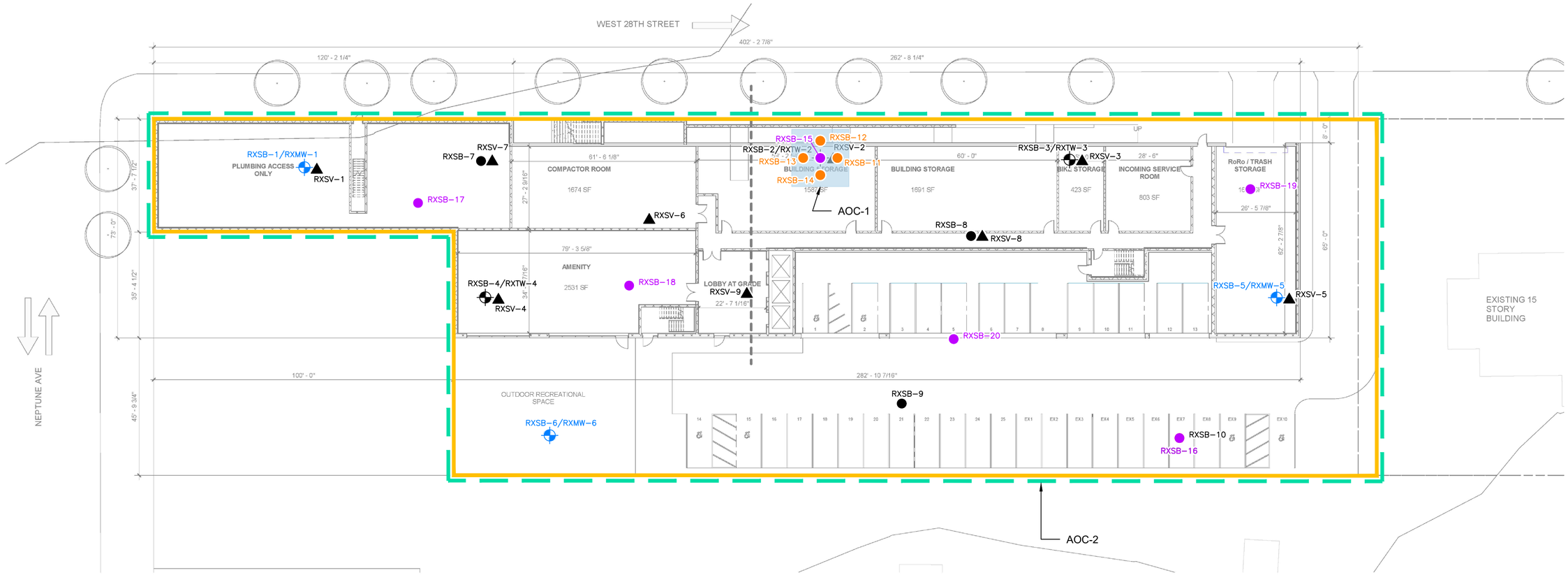
In an attempt to avoid the spread of contamination, all field and sampling equipment must be decontaminated at a reasonable frequency in a properly designed and located decontamination area. Detailed procedures for the decontamination of field and sampling equipment are included in Roux's SOPs included in Attachment 3. The location of the decontamination area will be determined prior to the start of field operations. The decontamination area will be constructed to ensure that all wash water generated during decontamination can be collected and containerized for proper disposal. All decontmination will be completed using the standard two step process using detergent (Alconox or Liquinox) and clean, PFAS-free water for sample equipment. All water sources used for equipment decontamination during EC sampling of groundwater or soil will be verified in advance to be PFAS-free through laboratory analysis or certification, in accordance with the NYSDEC April 2023 Guidance.

7.2 Investigation Derived Waste Handling and Disposal

All investigation derived waste (IDW) materials (soil cuttings, decontamination water, etc.) generated during the RI will be consolidated, and stored in appropriate labeled bulk containers (buckets, drums, etc.), and temporarily staged at a designated IDW storage area onsite. Roux will coordinate waste characterization and disposal by appropriate means.

FIGURES

1. Site Plan



LEGEND

	SITE BOUNDARY
RXSB-1/RXMW-1	LOCATION AND DESIGNATION OF SOIL BORING AND PERMANENT MONITORING WELL – 2024 OER RI AND PROPOSED RI GROUNDWATER SAMPLE
RXSB-2/RXTW-2	APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING AND TEMPORARY MONITORING WELL – 2024 OER RI
RXSV-1	APPROXIMATE LOCATION AND DESIGNATION OF TEMPORARY SOIL VAPOR POINT – 2024 OER RI
RXSB-7	APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING – 2024 OER RI
RXSB-11	PROPOSED LOCATION AND DESIGNATION OF RI SOIL BORING
RXSB-20	PROPOSED LOCATION AND DESIGNATION OF RI SOIL BORING AND SOIL VAPOR SAMPLE
OER	NEW YORK CITY OFFICE OF ENVIRONMENTAL REMEDIATION
RI	REMEDIAL INVESTIGATION
	AOC-1: ELEVATED METALS AND PCBs
	AOC-2: DELINEATION OF THE NATURE AND EXTENT OF FILL MATERIALS AND EVALUATING THE PRESENCE OF EMERGING CONTAMINANTS

N

25' 0 25'

Title:

PROPOSED SAMPLE LOCATIONS

2828 WEST 28TH STREET
BROOKLYN, NEW YORK

Prepared for:

SPN SENIOR LIVING LLC

ROUX

Compiled by: S.S.	Date: 12/12/2025
Prepared by: G.M.	Scale: AS SHOWN
Project Mgr: S.S.	Project: 3868.0006Y000
File: 3868.0006Y107.02.DWG	

FIGURE 1

V:\CAD\PROJECTS\3868\Y0006\Y107\3868.0006Y107.02.DWG GMILTON

TABLES

1. Summary of Soil Sample Rationale *(Embedded in text)*
2. Reporting Limits for EC Compounds in Soil
3. Field and Laboratory QC Summary
4. RI Sampling Summary
5. Preservation, Holding Times, and Sample Containers

Table 2 - Reporting Limits for EC Compounds in Soil

Method Description	Method Code	Prep Method	Analyte Description	CAS Number	RL	MDL	LOD	Units	LCS - Low	LCS - High	LCS - RPD %	MS - Low	MS - High	MS - RPD %	Surrogate Low	Surrogate High
Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	1633A	1633A Shake	Perfluorobutanoic acid (PFBA)	375-22-4	0.400	0.130		ug/Kg	70	140	30	70	140	30		
			Perfluoropentanoic acid (PFPeA)	2706-90-3	0.200	0.0500		ug/Kg	60	150	30	60	150	30		
			Perfluorohexanoic acid (PFHxA)	307-24-4	0.200	0.0600		ug/Kg	65	140	30	65	140	30		
			Perfluoroheptanoic acid (PFHpA)	375-85-9	0.200	0.0700		ug/Kg	65	145	30	65	145	30		
			Perfluorooctanoic acid (PFOA)	335-67-1	0.200	0.0600		ug/Kg	70	150	30	70	150	30		
			Perfluorononanoic acid (PFNA)	375-95-1	0.200	0.0600		ug/Kg	70	155	30	70	155	30		
			Perfluorodecanoic acid (PFDA)	335-76-2	0.200	0.0500		ug/Kg	70	155	30	70	155	30		
			Perfluoroundecanoic acid (PFUnA)	2058-94-8	0.200	0.0500		ug/Kg	70	155	30	70	155	30		
			Perfluorododecanoic acid (PFDoA)	307-55-1	0.200	0.0500		ug/Kg	70	150	30	70	150	30		
			Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.200	0.0700		ug/Kg	65	150	30	65	150	30		
			Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.200	0.0700		ug/Kg	65	150	30	65	150	30		
			Perfluorobutanesulfonic acid (PFBS)	375-73-5	0.200	0.0700		ug/Kg	65	145	30	65	145	30		
			Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	0.200	0.0600		ug/Kg	55	160	30	55	160	30		
			Perfluorohexanesulfonic acid (PFHxS)	355-46-4	0.200	0.0500		ug/Kg	60	150	30	60	150	30		
			Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	0.200	0.0700		ug/Kg	65	155	30	65	155	30		
			Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.200	0.110		ug/Kg	65	160	30	65	160	30		
			Perfluorononanesulfonic acid (PFNS)	68259-12-1	0.200	0.0700		ug/Kg	55	140	30	55	140	30		
			Perfluorodecanesulfonic acid (PFDS)	335-77-3	0.200	0.0500		ug/Kg	40	155	30	40	155	30		
			Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	0.200	0.0600		ug/Kg	25	160	30	25	160	30		
			1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	0.400	0.100		ug/Kg	60	150	30	60	150	30		
			1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	0.400	0.130		ug/Kg	55	200	30	55	200	30		
			1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	0.400	0.130		ug/Kg	70	150	30	70	150	30		
			Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.200	0.0900		ug/Kg	70	140	30	70	140	30		
			N-methylperfluorooctane sulfonamide (NMeFOSA)	31506-32-8	0.200	0.0900		ug/Kg	70	155	30	70	155	30		
			N-ethylperfluorooctane sulfonamide (NEtFOSA)	4151-50-2	0.200	0.100		ug/Kg	70	140	30	70	140	30		
			N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	0.200	0.0800		ug/Kg	65	155	30	65	155	30		
			N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	0.200	0.110		ug/Kg	65	165	30	65	165	30		
			N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	1.00	0.300		ug/Kg	70	140	30	70	140	30		
			N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	1.00	0.300		ug/Kg	70	135	30	70	135	30		
			Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	13252-13-6	0.200	0.110		ug/Kg	70	145	30	70	145	30		
			4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	0.200	0.0600		ug/Kg	70	160	30	70	160	30		
			Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	0.200	0.0700		ug/Kg	30	140	30	30	140	30		
			Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	0.200	0.0500		ug/Kg	60	150	30	60	150	30		
			Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	0.200	0.0700		ug/Kg	60	155	30	60	155	30		
			9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	0.200	0.0900		ug/Kg	70	150	30	70	150	30		
			11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	0.200	0.0800		ug/Kg	45	160	30	45	160	30		
			Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	113507-82-7	0.200	0.0500		ug/Kg	70	140	30	70	140	30		
			3-Perfluoropropylpropanoic acid (3:3 FTCA)	356-02-5	0.400	0.200		ug/Kg	45	130	30	45	130	30		
			3-Perfluoropentylpropanoic acid (5:3 FTCA)	914637-49-3	1.00	0.500		ug/Kg	60	130	30	60	130	30		
			3-Perfluoroheptylpropanoic acid (7:3 FTCA)	812-70-4	1.00	0.400		ug/Kg	60	150	30	60	150	30		
			13C4 PFBA	STL00992	10.0	4.00		ug/Kg			30			30		
			13C5 PFPeA	STL01893	5.00	2.00		ug/Kg			30			30		
			13C5 PFHxA	STL02577	2.50	1.00		ug/Kg			30			30		
			13C4 PFHpA	STL01892	2.50	1.00		ug/Kg			30			30		
			13C8 PFOA	STL01052	2.50	1.00		ug/Kg			30			30		
			13C9 PFNA	STL02578	1.25	0.500		ug/Kg			30			30		
			13C6 PFDA	STL02579	1.25	0.500		ug/Kg			30			30		
			13C7 PFUnA	STL02580	1.25	0.500		ug/Kg			30			30		
			13C2 PFTeDA	STL02116	1.25	0.500		ug/Kg			30			30		
			13C3 PFBS	STL02337	2.33	1.00		ug/Kg			30			30		
			13C3 PFHxS	STL02581	2.37	1.00		ug/Kg			30			30		
			13C8 PFOS	STL01054	2.40	1.00		ug/Kg			30			30		
			13C8 FOSA	STL01056	2.50	1.00		ug/Kg			30			30		
			d3-NMeFOSAA	STL02118	5.00	2.00		ug/Kg			30			30		
			d5-NEtFOSAA	STL02117	5.00	2.00		ug/Kg			30			30		
			13C2 4:2 FTS	STL02395	4.69	2.00		ug/Kg			30			30		
			13C2 6:2 FTS	STL02279	4.76	2.00		ug/Kg			30			30		
			13C2 8:2 FTS	STL02280	4.80	2.00		ug/Kg			30			30		
			13C3 HFPO-DA	STL02255	10.0	4.00		ug/Kg			30			30		
			d7-N-MeFOSE-M	STL02277	25.0	10.0		ug/Kg			30			30		
			d9-N-EtFOSE-M	STL02278	25.0	10.0		ug/Kg			30			30		
			d5-NEtPFOSA	STL02704	2.50	1.00		ug/Kg			30			30		
			d3-NMePFOSA	STL02705	2.50	1.00		ug/Kg			30			30		
Semivolatile Organic Compounds (GC/MS)	8270E	3546	1,4-Dioxane	123-91-1	0.0330	0.0289		mg/Kg	31	105	30	31	105	30		
			2,4,6-Tribromophenol (Surr)	118-79-6				mg/Kg			30			30	18	137
			2-Fluorobiphenyl	321-60-8				mg/Kg			30			30	33	117
			2-Fluorophenol (Surr)	367-12-4				mg/Kg			30			30	24	120
			Nitrobenzene-d5 (Surr)	4165-60-0				mg/Kg			30			30	27	120
			Phenol-d5 (Surr)	4165-62-2				mg/Kg			30			30	28	118
			Terphenyl-d14 (Surr)	1718-51-0				mg/Kg			30			30	33	124

Table 3. Field and Laboratory QC Summary

QC Check Type	Minimum Frequency	Use
Field QC		
Duplicate**	1 per matrix per 20 samples	Precision
Trip Blank**	1 per VOC cooler	Sensitivity
Field Blank**	1 per matrix per SDG	Sensitivity
Laboratory QC		
Laboratory Control Sample	1 per matrix per SDG	Accuracy
Matrix Spike/Matrix Spike Duplicate/Matrix Duplicate**	1 per matrix per 20 samples	Accuracy/Precision
Surrogate Spike	All organic samples	Accuracy
Laboratory Duplicate	1 per matrix per SDG	Precision
Method Blank	1 per matrix per SDG	Sensitivity

Notes:
QC - Quality Control
SDG - Sample Delivery Group - Assumes a single extraction or preparation
** Provided to lab by field sampling personnel

Table 4. RI Sampling Summary

Sample Matrix	Target Analytes	Field Samples	Duplicates[1]	Trip Blanks[2]	Field Blanks[2]	Matrix Spikes[1]	Spike Duplicates[1]	Total No. of Samples
RI Soil	Part 375/TCL VOCs	11	1	3	3	1	1	20
	Part 375/TCL SVOCs	11	1	-	3	1	1	17
	Part 375/TCL Pesticides	11	1	-	3	1	1	17
	Part 375/TAL Metals	15	1	-	3	1	1	21
	Total Cyanide	15	1	-	3	1	1	21
	Hexavalent/Trivalent Chromium	15	1	-	3	1	1	21
	PCBs	15	1	-	3	1	1	21
	PFAS, 1,4 Dioxane	9	1	-	3	1	1	15
	TCLP Lead	1	-	-	-	-	-	1
RI Groundwater	Part 375/TCL VOCs	3	1	1	1	1	1	8
	Part 375/TCL SVOCs	3	1	-	1	1	1	7
	Part 375/TCL Pesticides	3	1	-	1	1	1	7
	Part 375/TAL Metals	3	1	-	1	1	1	7
	Total Cyanide	3	1	-	1	1	1	7
	Hexavalent/Trivalent Chromium	3	1	-	1	1	1	7
	PCBs	3	1	-	1	1	1	7
	PFAS, 1,4 Dioxane	3	1	-	1	1	1	7
RI Soil Vapor	TO-15 VOCs	6	1	-	-	-	-	7

Totals are estimated based on scope of work as written, actual sample quantities may vary based on field conditions. QA/QC sample quantities will be adjusted accordingly.

[1] Based on 1 per 20 samples

[2] Based on 1 cooler per day (3 days max)

QA - Quality Assurance
QC - Quality Control
RI - Remedial Investigation
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
PFAS - Per- and Polyfluoroalkyl Substances
TAL - Target Analyte List
TCL - Target Compound List

Table 5. Preservation, Holding Times, and Sample Containers

Analysis	Matrix	Bottle Type	Preservation[a]	Holding Time[b]
Part 375/TAL Metals (total)	Soil	4 oz glass jar	Cool to 0-6°C	180 days, Hg 28 days
SW-846 6020B/7471B/7470A	Water	250 mL plastic	Nitric acid	180 days, Hg 28 days
Total Cyanide	Soil	4 oz glass jar	Cool to 0-6°C	14 days
SW-846 9012B	Water	250 mL plastic	NaOH, Cool to 0-6°C	14 days
Trivalent/Hexavalent Chromium	Soil	4 oz glass jar	Cool to 0-6°C	30 days
SW-846 7196A	Water	250 mL HDPE	Cool to 0-6°C	24 hours
PFAS via USEPA 1633A	Soil	4 oz plastic jar	Cool to 0-6°C	90 days to extract, 28 days to analysis
PFAS via USEPA 1633A	Water	2 x 125 mL HDPE	Cool to 0-6°C	28 days to extract, 28 days to analysis
1,4-Dioxane via 8270E SIM	Soil	4 oz glass jar	Cool to 0-6°C	14 days to extract, 40 days to analysis
1,4-Dioxane via 8270E SIM	Water	2 x 250 mL amber glass	Cool to 0-6°C	7 days to extract, 40 days to analysis
Part 375/TCL VOCs	Soil	3 x 5 gram EnCore	Cool to 0-6°C	48 hours from sample collection, 14 days if frozen to -7°C or extruded into methanol
SW-846 8260D	Water	3 x 40 mL voa vial	Hydrochloric Acid, Cool to 0-6	14 days
Part 375/TCL SVOCs	Soil	4 oz glass jar	Cool to 0-6°C	14 days to extract, 40 days to analysis
SW-846 8270E	Water	2 x 250 mL amber glass	Cool to 0-6°C	7 days to extract, 40 days to analysis
Part 375/TCL Pesticides	Soil	4 oz glass jar	Cool to 0-6°C	14 days to extract, 40 days to analysis
SW-846 8081B	Water	2 x 250 mL amber glass	Cool to 0-6°C	7 days to extract, 40 days to analysis
PCBs	Soil	4 oz glass jar	Cool to 0-6°C	365 days to extract, 40 days to analysis
SW-846 8082A	Water	2 x 250 mL amber glass	Cool to 0-6°C	365 days to extract, 40 days to analysis

[a] All soil samples to be preserved on ice during collection and transport

[b] Days from date of sample collection.

PFAS - Per- and Polyfluoroalkyl Substances
USEPA - United States Environmental Protection Agency
PCBs - Polychlorinated Biphenyls
HDPE - High-Density Polyethylene
NaOH - Sodium Hydroxide
TAL - Target Analyte List
TCL - Target Compound List

ATTACHMENTS

1. Professional Profiles
2. NYSDEC PFAS Guidance
3. Roux's Standard Operating Procedures
4. Laboratory's Standard Operating Procedures

ATTACHMENT 1

Professional Profiles

PROFESSIONAL PROFILE

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EDUCATION

BA, Geology, Colgate University, 2003

PROFESSIONAL LICENSES

New York Licensed Professional Geologist #720
Connecticut Licensed Environmental Professional #610
Accredited AHERA Inspector, 2004
NJ UST Subsurface Evaluator Certification #491925
Waterfront Edge Design Guidelines Professional

Frank Cherena, PG, LEP, WEDG

National Director of Real Estate Services

Vice President | Principal Geologist

EXPERIENCE SUMMARY

Twenty years of experience: Vice President/Principal Geologist with Roux, Islandia, New York; Staff Geologist with RTP Environmental Associates, Inc., Green Brook, New Jersey.

TECHNICAL SPECIALTIES

Conducted, managed, or overseen Phase I and Phase II investigations and remediation at contaminated sites, specializing in developing innovative cost-saving solutions that focus on integrating remedies into redevelopment scenarios. Experience working with multiple agencies and stakeholders including negotiation and coordination with lenders, tenants, and community stakeholders to secure funding and approvals.

REPRESENTATIVE PROJECTS

- Principal-in-charge of large university tech development project in New York City. The project consists of the demolition and decommissioning of a former hospital building, and excavation for redevelopment of four separate buildings for the first phase of campus construction. Environmental considerations on the project included site assessment, remediation design and oversight, SDPES permitting (construction dewatering and geothermal well discharge), soil characterization for reuse and capping of soils. Coordinated with NYCDEP, and other project stakeholders concerning community protection and monitoring concerns.
- Principal-in-charge of redevelopment of a former powerplant into an industrial arts complex. Remediation consisted of removal and containment of TSCA-regulated PCB-impacted soils, groundwater, and building material, and remediation waste. Successfully obtained Certificate of Completion for NYSDEC BCP, clean up and continue to coordinate Site redevelopment activities under a Site Management Plan. Included significant coordination and correspondence with USEPA to negotiate installation of a consent order for bulkhead installation along the Gowanus Canal Superfund Site.
- Principal-in-charge of redevelopment of shopping mall in Staten Island, New York. The Site will consist of the construction of two commercial out parcel buildings, a new parking deck, and an expansion of the existing mall building. Areas of concern include historical fill, site-wide soil contamination (arsenic and pesticides). In addition, also responsible for agency coordination with FDNY, NYSDEC, and NYCOER for mitigation of methane and chlorinated volatile organic compounds vapor issues.
- Principal-in-charge for the redevelopment of a 5-acre live-work-play campus in Hunts Point, Bronx. The residential component of the Project is comprised of 100% affordable housing and is currently enrolled in the NYSDEC BCP. Mr. Cherena has also negotiated/coordinated with lenders, coordinated with multiple disciplines on the design team to create a RAP to comply with NYCOER air/noise requirements, and assisted in remedial design and estimation.
- Principal-in-charge for new development of a large regional mall in Norwalk, Connecticut with underground parking. The proposed redevelopment will result in the construction of retail shops, restaurants, hotel, and entertainment. Previous usage of the property included over 30 different parcels including three establishments, gasoline filling stations, fuel oil terminal storage, hazardous waste disposal areas. The project includes investigation and subsequent remediation of petroleum and hazardous waste releases, filing of the Environmental Conditions Assessment Form (ECAF) associated with the three transfer act parcels, and coordination with the CT DEEP and CT DECD to obtain CT Brownfields Grant funds.

- Principal-in-charge for two adjoining multifamily NYSDEC BCP redevelopment sites in Mott Haven, Bronx, New York along the Harlem River. Project includes characterization, excavation, and disposal of over 40,000 tons of soil, support for obtaining a SPDES discharge permit for construction water, along with attending public meetings and creating public participation plans. Project tasks include community air monitoring, shoreline permitting, and construction monitoring while minimizing cost impact by sharing resources between both projects.
- Principal-in-charge for the largest redevelopment project in New York City (over $4.5 billion). Project includes Phase I and Phase II ESAs (investigation of soil, groundwater, and soil vapor) at over 75 properties; Construction support for excavation of one million cubic yards of soil including implementing an in situ waste characterization program; Environmental support for demolition, asbestos and lead abatement, site remediation using In Situ Chemical Oxidation, and relocating of an active 9-acre 100-year old railyard; Property acquisition support throughout the project (7 city blocks); and Agency support for NYSDEC, NYCDEP, MTA (LIRR/NYCT), and ESDC. The environmental data was used as an integral component of the New York State Environmental Quality Review Act (SEQRA) final Environmental Impact Statement (EIS). The project encompasses 336,000 sq ft of office space, 6.4 million sq ft of residential space, an 18,000 seat sports and entertainment venue: the Barclays Center (home of the Nets professional basketball team), 247,000 sq ft of retail space, a 165,000 square-foot hotel, and over 8 acres of intricately designed publicly accessible open space.
- Principal-in-charge of redevelopment and rehabilitation of the Nassau Coliseum Event Center in Uniondale, Long Island, New York. Services included Phase I and Phase II ESA to obtain approvals and entitlements, along with providing consulting services for asbestos abatement and operations and maintenance. Also was responsible for diesel generator tank removal and replacement tank design and installation.
- Principal-in-charge for a remedial investigation and real estate transaction negotiation for a contaminated former industrial property in Glen Cove, Long Island, New York. Activities included due diligence including document review and historical research to develop and implement a cost efficient investigation scope that was able to identify presence of contamination that was used to negotiate property transaction. Investigation was also designed to develop red mediation and construction budget to support future mixed use redevelopment of the over 12 acre property.
- Principal-in-charge of numerous due diligence projects for owners, developers, managers, municipalities, and lenders at commercial and industrial properties throughout the Northeast. Activities included performance of UST evaluations and closures, hot spot remediations, Phase I and Phase II Site Assessments, vapor intrusion studies and mitigation, lead based paint, asbestos and hazardous materials surveys, interaction with regulatory agencies on behalf of clients and development of remedial cost estimates for planning and negotiation.
- Principal-in-charge for investigation and review of a former electroplating facility in Bay Shore, New York with chlorinated solvent DNAPL. Activities included historical document review, subsurface investigation, and coordination with outside legal counsel and NYSDEC.
- Project manager for a property transfer support project at a heavily contaminated state-of-the-art distribution facility in the Bronx, New York. The site was a former MGP being handled under the VCP in central office, the site had an open spill under the regional spills group and the site was attempting to apply to the BCP through the regional office. Roux performed a Phase I for the buyer, a Phase II and remedial cost estimate for the owner and negotiated with the buyer's consultant and NYSDEC to limit the scope of the investigation and cleanup.
- Principal-in-charge of NYSDEC BCP redevelopment project in Island Park, Long Island, New York. Property was the location of a former oil terminal with extensive degraded petroleum contamination. Contracted services included, management of contaminated soil, import of recycled soil to bring the site above the flood plain, and negotiation with the NYSDEC. Project remediation schedule was extremely tight, and a COC was achieved before the requisite deadline.
- Served as Environmental Professional on hundreds of Phase I Environmental Site Assessments according to ASTM E1527-00, ASTM E1527-05, and ASTM E1527-13 for due diligence of large retail shopping centers, industrial facilities, and office buildings. Associated activities included agency contact, database management and interpretation, report preparation, and recommendations for additional work.
- Implemented GIS analysis and mapping for a remedial study and alternative analysis report (AAR) for an active petroleum storage terminal in Buffalo, New York under jurisdiction of the NYSDEC. The AAR required spatial analyses in order to categorize and analyze contaminant data from multiple investigations, investigate remedial alternatives, and to help focus ongoing additional investigations.

PROFESSIONAL TRAININGS

OSHA 40-Hour Hazardous Materials Training, 2003

OSHA 8-Hour Supervisor Training, 2004

PROFESSIONAL PROFILE

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EDUCATION

BCE, Civil Engineering,
University of Delaware, 1987
MBA, Management, Adelphi
University, 1992

PROFESSIONAL LICENSES

Professional Engineer:
New York, New Jersey, Pennsylvania, Rhode Island, Connecticut, Vermont, Virginia, North Carolina, Ohio, Michigan, and Montana

Charles J. McGuckin, PE

Vice President | Principal Engineer

EXPERIENCE SUMMARY

Thirty-five years of experience: Principal, Senior and Project Engineer with Roux Associates, Inc.; President of Remedial Engineering, P.C.; and Design Engineer at Dvirka and Bartilucci Consulting Engineers.

TECHNICAL SPECIALTIES

Engineering design of soil and groundwater remediation systems. Brownfields clean-up plans, stormwater studies and engineered natural treatment systems.

REPRESENTATIVE PROJECTS

- Principal Engineer for remedial investigation scoping, fate and transport analysis, and feasibility study preparation for a 1300+ acre Former Aluminum Smelter USEPA Superfund Site in Montana. Due to the size, complexity, and unique exposure areas of the Site it was broken up into multiple decision units including landfills, percolation ponds, operational areas, river area, soil, and groundwater. The contaminants of concern included metals, PAHs, cyanide, and fluoride. Remedial technologies evaluated in detail included landfill capping, groundwater extraction and treatment, pond and river dredging, soil excavation, slurry wall containment, *in situ* stabilization, and *in situ* groundwater treatment. Detailed effectiveness, implementability, and cost evaluations were prepared to support preferred remedial alternatives for each decision unit.
- Principal Engineer for remedial action implementation for a 2.5-acre former subway transit power station in Brooklyn along the Gowanus Canal. The project remedial action was completed under an extremely tight deadline to obtain the certificate of completion under the NYSDEC BCP program. The project also involves close coordination with USEPA due to the adjacent canal superfund status. The investigation required in depth review of historic facility operations and sampling of subsurface tunnel structures. The remedy included excavation of PCB impacted soils, LNAPL recovery, shoreline stabilization, concrete scarification, sewer cleaning and capping. The project has required close coordination with the development team to ensure management of impacted materials in conformance with the Site Management Plan.
- Principal Engineer for the preparation of field implementation plans, construction monitoring, and Engineers Certification Report for a former manufactured gas Plant (MGP) site in West Chelsea, Manhattan, New York. The site was one of the first projects completed under the NYS Brownfields Clean-up Program. The remedy included soil excavation and offsite thermal treatment, a sheet pile barrier wall, a vapor barrier, and basement ventilation system. A comprehensive air monitoring program was conducted due to the concerns over coal tar residue emissions and odors on the surrounding community. The remedy was incorporated into the design and construction of the headquarters office building of an international media company.
- Principal engineer for the preparation of the feasibility study, IRM plans, and remedial design/remedial action plans for a 40-acre former manufacturing facility in Rensselaer, New York. IRM Soil remediation included excavation of over 10,000 cubic yards of CVOC and metals source material for disposal at multiple facilities based on waste characteristics. Basement cleaning was performed in three large buildings to remove accumulated process sludges. Lagoon closure plans included sediment removal, dewatering, soil washing, and soil capping. The final remedy for the site includes a groundwater perimeter containment trench and 40 gpm treatment system for metals and VOCs and a 9-acre vegetated cap for a former landfill.

- Principal Engineer for the feasibility studies and remedial action work plans for multiple operable units of a large railyard located in Sunnyside, Queens, New York under the NYSDEC Inactive hazardous waste program. For the former engine house and maintenance area unit, pre-design studies included product plume thickness data collection and modeling, ex situ biopiles treatment, *in situ* enhanced bioremediation, and *in situ* chemical oxidation. The final design consisted of decontamination and removal of structures, excavation of hot spot soils for PCBs and lead, UST closures, a dual phase high vacuum extraction system and *in situ* bioremediation.
- Project Engineer for the design and construction management of a 600 gpm groundwater extraction and treatment system to prevent offsite migration at a petroleum storage and pipeline transfer facility in Providence, Rhode Island. The treatment system was designed to remove iron, BTEX, and naphthalene from the groundwater to below surface water discharge standards for the Providence River. The system processes consisted of equalization, aeration, de-aeration, flocculation, clarification, air stripping, dual media filtration, granular activated carbon adsorption (liquid and vapor phase), and sludge thickening and dewatering. The system included an outfall diffuser designed in accordance with the CORMIX computer model.
- Senior Engineer responsible for the design, construction management, and O&M of a 60,000-gpd constructed wetlands treatment system for a former manufacturing facility in Virginia. The 16-acre treatment system was designed within an existing phragmites wetland to remove zinc and iron from landfill leachate prior to discharge to an adjacent creek. The treatment system consisted of alkalinity producing cells, toxic ponds, compost and limestone berms, anaerobic cells, and aerobic cells. The design included a 400-foot reinforced earthen dike together with hydraulic control structures and piping to maintain cell water levels and flow rates. The system also includes a pump station and force main for both effluent discharge and irrigation purposes. Joint wetlands and local permit approvals were obtained for the project.
- Senior Engineer for the performance of a feasibility study and remedial design for the closure of a concrete oil/water separator filled with refinery sludge and demolition materials impacted with lead at a former refinery in Providence, Rhode Island. Remedial alternatives were developed and evaluated including capping and containment using a perimeter slurry wall, sheet piling or concrete wall sealing; excavation and disposal; and *in situ* solidification. The capping and containment using a slurry wall alternative was selected for implementation of the remedial design. The design consisted of removal and replacement of existing monitoring wells, sealing of separator wall openings, a 2-acre multi-layer cap, a 1200-foot long by 30-foot deep soil-bentonite slurry wall, and a perimeter drainage swale. The multi-layer cap included a 40-mil HDPE geomembrane and a geosynthetic clay liner. The slurry wall was keyed into the existing clay confining layer beneath the separator. The design incorporated disposal of an additional 10,000 cubic yards of petroleum impacted soil under the cap.
- Principal Engineer for environmental consulting support services for a large landfill O&M contract under review by the New York City Department of Investigation. The work entailed reviewing the scope of routine vs. non-routine work performed over a one-year period for compliance with contract requirements. The O&M Work included routine cover maintenance, groundwater and gas monitoring, landfill gas extraction, major system repairs and waste handling. Memos of findings were prepared assessing acceptability of work, compliance with permit regulations and providing recommendations for improvements.
- Principal Engineer for the independent engineering review of change orders for the New York MTA Office of the Inspector General associated with electric utility substations reconstruction damaged during the 2012 Superstorm Sandy. The cost review focused on contracting procedures, waste classification of impacted structures and soils, proper waste management and disposal. Findings were compiled in a report to determine if costs were legitimate and justifiable and providing recommendations for improved specifications for bidding and of management waste handling contracts.
- Principal Engineer for remedial action plan implementation oversight and certification for the CornellTech campus development on Roosevelt Island, New York. The first phase of the campus development included lead paint and ACM abatement and demolition of the former Goldwater Hospital, construction of six main campus buildings, new utilities, roadways, and lawn/landscaped areas. Responsibilities include oversight of soil/subsurface structures excavation handling, disposal, and reuse; community air monitoring; dewatering permit compliance; and SWPPP inspections.
- Senior and Principal Engineer for the decommissioning and decontamination of a pharmaceutical facility covering seven city blocks as a part of a NYSDEC Voluntary Cleanup Agreement in Brooklyn, New York. The former office and laboratory complex would be decontaminated for reuse as a school and small business space. Multiple other buildings were demolished. Responsibilities included preparation of interior abatement plans to address mercury, lead and PCBs in building materials and review of Interim Remedial Measure (IRM) work plans for lead, benzene and mercury-contaminated soil excavation and disposal. Groundwater remediation design

included air sparge/soil vapor extraction, *in situ* oxidation and a reactive barrier wall using colloidal carbon and ZVI.

- Principal Engineer for the performance of a Brownfields Demonstration Pilot Program in the Hamlet of New Cassel for the Town of North Hempstead, New York. Under an EPA grant, Roux Associates created an inventory of 50 potential commercial/industrial properties within New Cassel and evaluated these properties based on perceived contamination and potential for redevelopment/reuse. Eight sites exhibiting the greatest potential for redevelopment were selected to perform Phase I Environmental Site Assessments. Of these eight sites, four sites were selected for Brownfield Site investigations to identify the nature and extent of contamination in soil and groundwater and provide potential remedial alternatives and cleanup costs to revitalize these properties. The Brownfields Demonstration Pilot Program also included community outreach activities to promote a unified approach to the redevelopment of Brownfields in new Cassel.
- Principal Engineer responsible for engineering certification of all remediation activities related to the seven-city-block Barclay's Arena and Atlantic Yards redevelopment in Brooklyn, New York. This multi-billion-dollar redevelopment includes the Arena, which will be focal point of the largest redevelopment project in Brooklyn, consisting of an urban complex of housing, commercial and retail space, as well as several acres of landscaped public open space. The existing properties being redeveloped are residential, commercial, and industrial properties, including a large railroad yard. Engineering certification included multiple RAWPs under NYSDEC Spills Program, UST removals, soil excavation, *in situ* groundwater treatment and remedy oversight services. The project also includes ACM abatement, building demolition, soil pre-waste-classification, coordination (with the receiving facilities), and oversight of the removal of 1,000,000 cubic yards of soil (~550,000 yards removed to date), representing one of the largest excavation and soil removal projects performed in New York City.
- Principal Engineer responsible for the preparation of the remediation completion report at Captain's Cove former municipal landfill State Superfund Site located in Glen Cove, New York. This work has been performed in accordance with Title 3 of the NYS Environmental Quality Bond Act under contract to the City of Glen Cove. Design elements included excavation plans, radiological waste monitoring, demo debris and waste separation and screening, dewatering water management, waste disposal, and site restoration. Additional work included the delisting of a six acre "clean" portion of the site to allow the development of a ferry terminal and esplanade and development of alternative cleanup standards consistent with future site uses. Site remediation will accommodate site redevelopment as a commercial waterfront and operating ferry service and seaport area.
- Principal Engineer providing program management of interior building materials surveys for 22 residential buildings along the south shore of long island under an Army Corps of Engineers contract for dune reconstruction. Building materials surveys included testing and analysis of suspect contaminants and reporting in support of building abatement and demolition planning. Testing was completed using multiple teams on a tight timeline to meet project schedule requirements.
- Principal Engineer for the remediation of a former Manufactured Gas Plant (MGP) facility in Brooklyn, NY, including oversight of the excavation of both the former gasholders, and adjacent contaminated hotspots requiring offsite thermal desorption of over 30,000 tons of coal tar impacted soil. Directed the Community Air Monitoring Program (CAMP) specific to the MGP impacted soil removal, as required by both New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH). Remedial activity met all substantive requirements of the NYSDEC approved Remedial Action Work Plan for the Site. The remedy included design of a passive subsurface vapor monitoring/recovery system for a 500,000 sq. ft. retail structure in Brooklyn, NY. The system design integrated a perforated piping system complemented by a protective vapor barrier below the structural floor slab to monitor and mitigate volatile organic compound vapors. Multiple vapor barrier options were evaluated to determine the optimum design based on the site conditions.
- Principal Engineer providing expert settlement support services to a county municipality in New York State. The case involved an EPA Order for underground storage tank (UST) compliance for over 50 county operated facilities with over 125 USTs. The project involved the field inventory of the USTs at each facility and development of both Interim and final compliance plans to comply with EPA, NYSDEC and local UST regulations. Detailed cost estimates were prepared for multiple scenarios for upgrading USTs including tightness testing, manway repairs, leak detection and overfill protection monitoring systems, UST removal and replacement, and new piping. The upgrade evaluation and negotiations included incorporation of Supplemental Environmental Project (SEPs) in accordance with EPA requirements. SEPs included centralized monitoring systems for leak detection and inventory control.
- Principal Engineer for preparation of a site management plan for redevelopment of a former watch case factory in Sag Harbor, New York. The primary engineering controls for the former factory conversion to a residential building consisted of a vapor barrier and an active sub slab depressurization system

(SSDS) to address chlorinated VOCs. The SSDS system was complicated due to the existing 100-year-old structure. A unique raised floor approach was designed to allow for the SSDS installation. The system design, approved by NYSDEC and NYSDOH includes multiple legs, dual blowers, low vacuum alarms and monitoring points.

- Principal Engineer for the Remedial Action Work Plan (RAWP) for redevelopment of a shopping center in the Bronx, New York. The RAWP elements included soil and groundwater management plans, stormwater management, air monitoring and vapor mitigation systems. To address vapor intrusion, active sub slab depressurization systems were designed for two pad buildings. One system for a new retail building construction and one retrofit system for an existing building to be used as a restaurant. Closure reports were prepared and certified documenting all remediation work and approved by NYC Mayor's Office of Environmental Remediation (OER).
- Principal Engineer for the preparation of a preliminary remedial design for the remediation and restoration of a pond and surface water tributaries to Canaan Lake that have been impacted from leachate generated from an upgradient former municipal landfill located in Holtsville, New York. Completed a preliminary remedial design for the construction of a compost-based permeable reactive barrier for the removal and treatment of leachate prior to discharge to the surface water, followed by restoration of the surface water body and surrounding wetlands. The project included development of a long term remedial strategy to reduce rainfall infiltration into the landfill and minimize leachate generation. Current plans to reduce rainfall infiltration include the planting of 3,250 hybrid poplars, regrading and lining of drainage swales, and the resurfacing of low lying areas consistent with recreational facilities.
- Principal Engineer for final capping elements and wetlands restoration work and completion of the Final Engineering Report for an inactive hazardous waste site in Syracuse, New York. The project included onsite consolidation of lead impacted waste; 7-acre landfill cap with vegetated layer, cover soil, and geomembrane; stormwater runoff controls; reconstruction of wastewater ponds; and an 8-acre wetland restoration. An O &M Plan was prepared and implemented consisting of groundwater, surface water and landfill gas monitoring, and annual cap and wetland inspections.
- Principal Engineer for the preparation of the remedial action work plan for an 11-acre former Department of Defense owned Site that manufactured airplane parts along Hempstead Harbor in Manorhaven, New York. The project is regulated under the NYSDEC Voluntary Cleanup Program. The remedial design consisted of both soil vapor extraction/air sparging and *in situ* enhanced bioremediation systems for Site groundwater impacted by chlorinated VOCs. The final remedial design and site management plan are expected to include soil capping, vapor barriers and passive ventilation systems to be incorporated into a residential redevelopment with waterfront access.
- Senior Engineer for the performance of a stormwater runoff evaluation for a manufacturing facility in Watertown, New York. Roux Associates was retained as third party to evaluate the drainage design and construction elements for an industrial landfill cap. The evaluation was performed for the facility owner in support of potential litigation arising from onsite building flooding incidents following a severe snow and rainstorm event. The scope of work included an evaluation of the existing onsite storm sewer system capacity, calculation of runoff flow rates for the 300-acre contributing area, review of landfill cap surface drainage design, review of erosion control measures implemented during construction, and analysis of specific flooding incident causes. The runoff analyses were performed using the TR 55 Method for three conditions: pre-capped, capping under construction prior to establishment of vegetation, and final vegetated cap design. Recommendations were made to improve the site drainage including design of surface drainage swales, temporary berms and sediment traps during construction and modification of snow handling practices.
- Principal Engineer for the management of a soil and ground-water remediation system for a nationwide overnight delivery distribution center in Brooklyn, New York as part of the NYSDEC Voluntary Cleanup Program. A risk-based remedial approach that called for the remediation of "hot spot" source area soils, and mass-reduction of VOCs was successfully utilized for the Site. As a result, the focus of remediation was on reducing the mass of VOCs in on-site groundwater to a level where natural attenuation would be effective in remediation of VOCs. To address the contamination in the source area, a soil vapor extraction (SVE) and air sparge (AS) system consisting of 8 SVE wells and 17 AS wells was designed, constructed, operated and maintained for a period of approximately 3 years. Permanent shutdown of the system was approved by the NYSDEC.
- Senior Engineer for the design and construction management of a soil remediation and stormwater management project at a 16-acre former pesticide warehouse facility in Dayton, New Jersey. The Site was redeveloped for storage and trailer parking. The project consisted of consolidation of pesticide contaminated soils; asphalt capping of the 3.5-acre contaminated soils area; stormwater collection, conveyance, and detention; and site regrading. The evaluation included TR-55 runoff modeling for pre and post capping and development conditions. The storm sewer system consisted of

multiple catch basins, over 2,000 linear feet of reinforced concrete pipe ranging in size from 15 to 30 inches, and a recharge basin. A Soil Erosion and Sedimentation Control Plan and a NJPDES General Permit were prepared for the project.

- Project Principal for the performance of LNAPL remediation studies at the New Jersey Transit former Lake Street Bus Garage in Newark, New Jersey. The studies involved evaluating remedial alternatives for free product recovery, performance of an LNAPL recovery pilot test and cost estimating. A RAWP and engineering design plans were prepared for both the bus garage and the adjacent park properties. The remedy included excavation of the source area, horizontal recovery wells, a vertical recovery trench, *in situ* oxidation injections and product recovery using vacuum extraction.
- Senior Engineer for the performance of a stormwater management analysis for a 28-acre industrial landfill in Virginia. The principal objective of the study was to identify engineering controls to minimize stormwater runoff to a metals-contaminated sediment impoundment. The study included TR-55 runoff modeling and storage analyses for multiple detention ponds. Three engineering control alternatives were identified including landfill cap regrading, diversion using berms and swales, and diking and weir raising.
- Senior Engineer for the investigation, design, and construction management of the closure of a 2-acre fire-water supply pond and modification of the stormwater conveyance system at a former manufacturing facility in Williamsburg, Virginia. The investigation phase of the project was focused on determining the sources and loading of metals influent to the pond. Field activities included examination of the existing stormwater drainage system, sub watershed delineation, groundwater monitoring, and installation of automatic stormwater sampling devices. The final design included 400 feet of open concrete channels, 250 feet of culvert replacement, slip lining of 370 feet of 36-inch RCP culvert, reconstruction of five catch basins, placement of 10,000 cubic yards of clay fill within the pond and regrading of existing drainage ditches. Erosion control measures and slope stabilization were also included as well as the design of a special outlet structure for minimizing erosion at the outfall.
- Project Principal for the investigation and closure of five USTs at the New Jersey Transit Broad Street Station site in Summit, New Jersey. Tank sizes ranged from 20,000 to 30,000-gallon capacity. UST closure program completed in accordance with the NJDEP Technical Requirements for Site Remediation. Closure report prepared and submitted to the NJDEP and subsequent issuance of a No Further Action letter from the NJDEP.
- Project Engineer of the underground storage tank (UST) program for a major retail chain store in the New York, New Jersey, and Pennsylvania region. Responsibilities included preparation of a UST management plan based on federal, state, and local regulations and costs to prioritize UST maintenance. The tank designs included plans and specifications for the removal and replacement, or upgrading, of USTs to meet regulatory requirements. The engineering design involved fuel requirements for dual heating and back-up generator usage, mechanical pumping equipment and fire wall design.
- Project Engineer for the design and construction management of a 1,000 sq. ft. hazardous and flammable materials storage facility in Syosset, New York. The facility included concrete secondary containment dikes, access ramps, sprinkler system modifications, and lighting. The separate flammable materials area included 2-hour fire rated concrete block walls and doors, ventilation equipment and a fire alarm system. Permitting services were performed for the Nassau County Department of Health, the Nassau County Fire Marshall, and the Building Department.
- Project Engineer for the design of a 2,000 sq. ft. hazardous waste storage facility in Astoria, New York. Prior to construction, demolition of an existing building was required and included removal of asbestos and lead paint. The project included driving treated timber piles and excavation and removal of contaminated soil and groundwater. The structure consisted of a steel frame with a metal standing seam roof system, decorative masonry block walls, and a roll-up door. Temporary and permanent fencing were required along with concrete sidewalk replacement.
- Senior Engineer providing construction management services in support of the BNYCP Cogeneration Facility construction and Brooklyn Navy Yard facility decommissioning. Work included preparation of construction management plans, supervision of soil, concrete, and sediment disposal activities, asbestos surveys, and PCB sampling and analysis work. A NYCDEP wastewater discharge permit was prepared for the million gallon per day stream condensate and wastewater backwash flow rate.
- Project Principal for performing remedial alternative cost estimating for a New Jersey Transit site in Montclair, New Jersey, which is to be redeveloped as a firehouse. A cost estimate prepared by another consultant was reviewed as part of the scope of work. The proposed remedial alternative for the site consisted of excavation and disposal of PAH-impacted fill material and capping. The alternative remedy proposed by Roux Associates was a more risk-based approach, resulting in a cost savings of approximately $100,000 for New Jersey Transit.

- Project Engineer for the design and construction management of cap repair and drainage improvement measures for an industrial hazardous waste landfill in Tennessee. Components of the design included replacement of the primary clay cover material, temporary and permanent erosion and sedimentation control measures, and a lined drainage channel to minimize the generation of landfill leachate. The project included the performance of a focused feasibility study to characterize the flow, quality, and treatability of the leachate. A feasibility study was also performed in order to evaluate constructed wetlands remedial technology as a method of effective and economical treatment of leachate.
- Senior Engineer for the remedial design and construction management of a 7-acre off-spec asphalt waste pond at a former refinery in New England. The asphalt material exhibited a low load bearing capacity combined with a viscous, tacky surface. An *in situ* solidification mix design was developed consisting of liquification using hot water and a 2-stage lime kiln dust reagent injection and mixing step. Gravel was added to the mix when the existing subgrade material was of insufficient bearing capacity. Solidified material was tested for unconfined compressive strength, durability, and TCLP. The final cover material consisted of a 6-inch vegetated layer.
- Principal Engineer for the performance of LNAPL remediation studies for a former bus maintenance facility and a segment of a Metropolitan Subway System in Newark, New Jersey. The studies involved evaluating groundwater and soil monitoring data, performance of LNAPL recovery pilot tests, evaluation of remedial alternatives and cost estimating. Recommendations included the use of mobile high vacuum extraction methods to collect LNAPL while minimizing capital expenditures and permanent low vacuum extraction methods to minimize odors to subway cars and surrounding communities.

Litigation Support Experience

- Project Engineer for the evaluation of remedial investigations and remedial cost estimates for a 30-acre former book publishing facility in Poughkeepsie, New York. The evaluation included the review of Phase I and Phase II investigation reports, remedial investigation (RI) and feasibility study (FS) reports, and the remedial investigation work plan. The findings included the presence of chlorinated volatile organic compounds in the soil and groundwater as well as identification of underground storage tanks. Deficiencies were identified in both the RI and FS reports by comparing with the NYSDEC's required criteria and recommendations were proposed for the RI work plan to further delineate source areas. Based on the remedial investigation review, revised costing assumptions were made, and remedial cost estimates were prepared totaling $3.6 million.
- Project Engineer for the evaluation of expected remedial costs for nine hazardous waste sites, two of which are federal superfund sites. The evaluation of both single and multiple PRP sites was performed to identify costs for an insurance claim. The expected remedial costs for nine sites, which include landfills or facility surface impoundments, totalled approximately $65 million. Remedial plans evaluated for multiple site operable units included groundwater pump and treat, alternative water supply systems, soil/sludge *in situ* solidification and treatment, and wetlands restoration. Additional work included evaluating invoices for site work previously performed and allocating expenses into their appropriate operable unit and work type, i.e., defense or indemnity.

Water Treatment Experience

- Senior Engineer for the engineering design of a 10 gpm groundwater recovery and treatment system at a former tank farm in Rhode Island. The recovery system included a 200-foot slotted HDPE horizontal well, a 400-foot coated concrete swale and curbing, and a series of seepage collection points manifolded to a common receiving structure. The entire system was designed for passive recovery and gravity flow transmission targeting free-product seepage areas. The treatment system consisted of a collection sump retrofitted within an existing separator, a coalescing plate oil/water separator, a surge tank, a bag filter, and carbon adsorption units. The project included a permit modification for discharge to the Providence River.
- Design Engineer for the design and start-up operation of a 2 mgd packed tower aeration system for potable water in Williston Park, New York. The primary contaminants were trichloroethane and tetrachloroethene which were stripped below drinking water standards. The design process included full scale pilot testing to assure proper removal levels.
- Design Engineer for the design, construction, and start-up operation of a 5 mgd industrial cooling water treatment system utilizing mechanical surface aeration. The system consisted of two lined aeration basins operating in series with floating mechanical aerators to remove volatile organic contaminants to levels suitable for recharge into the Long Island groundwater aquifer. The primary contaminants were 1,1-dichloroethene, trichloroethane, tetrachloroethene and vinyl chloride.
- Design Engineer for the design and construction of a 4 mgd granular activated carbon system for potable water in Hempstead, New York. The primary contaminants consisted of more than 8 volatile and semi volatile organic compounds. Responsibilities included site inspection for the installation of the six vessels containing 20,000 lbs. of carbon in each. The

system was designed for 99.9% removal efficiency with two units operating in series.

Constructed Wetlands Experience

- Senior engineer for the conceptual design of a constructed wetlands stormwater treatment system for a coal handling freight railroad facility in Norfolk, Virginia. The design consists of treatment of contaminated stormwater runoff generated from maintenance and fuel handling areas onsite. The design treatment performance objective is the reduction of total suspended solids, oil and grease, and selected metals to levels below the SPDES permit discharge standards established for two of the site's outfalls discharging to the Elizabeth River. The 3 acre system consists of a passively operated 200,000 gpd subsurface-type constructed wetlands with a low visual impact and specialized structural design to meet the needs of a busy railyard facility. Additional design components include stormwater bypass structures, jacking beneath tracks, a grit chamber, a lift station, and outfall modifications. A joint wetlands permit will be prepared for the project.
- Senior Engineer for the feasibility study, conceptual design, and construction of four constructed wetlands units and sedimentation basin for a stormwater treatment system along Cedar Swamp Creek for the City of Glen Cove, New York. The project consisted of review of stormwater studies of the 12 square mile contributing watershed, compilation of USGS water quality and flow data, evaluation of stormwater treatment methods and best management practices and optimum site selection along the creek. The constructed wetlands design included a forebay, high and low marsh cells, a micropool, and stormwater bypass structures for removal of sediment, nitrogen, phosphorus, and trace metals during first flush events. Final design for the first 1.8 acre constructed wetlands unit was completed and performance of construction management is ongoing. Design activities include structural and hydraulic design tasks with specific emphasis on storm water bypass. The design has been integrated into an into an intermodal transportation project with the addition of bicycle and walking paths. NYSDEC and Army Corps permits were obtained for the project.
- Project Engineer for the design of a 7,000 gpd subsurface flow-type constructed wetlands treatment system for a refinery site in Rhode Island. The system was designed to treat a surface-water stream impacted by petroleum hydrocarbons. The system's high aesthetic, low visual impact appeal was ideal for its golf course setting. Both phragmites SPP and Typha SPP wetland species were incorporated in the design in order to assess the biodegradation/biotransformation processes effectiveness. A growth and maturation plan and a treatment evaluation plan were developed in order to evaluate the system performance.
- Lead Engineer responsible for technical review of a design for modifications to a constructed wetlands system in Nicholas County, West Virginia. The system was designed to treat the leachate from a solid waste landfill at a maximum capacity of 30 gpm. The complete water-tight treatment system consisted of a sedimentation basin, stabilization basin, a series of three wetland cells and a finishing ditch. The wetland cells consisted of a double liner system with leachate collection piping overlaid with stone fill and a matrix of plant life. The technology combines physical, geochemical, and biological removal mechanisms operating simultaneously.

Permitting/Compliance Plans

- Project Engineer for the preparation of a Spill Prevention Control and Countermeasure (SPCC) Plan and a Storm Water Pollution Prevention Plan (SWPPP) for an 850-acre petroleum storage terminal in New England. The SPCC Plan involved the inventory of 50 bulk storage tanks and miscellaneous storage vessels and an assessment of barge loading areas, truck loading racks, additive loading areas, pumping stations, and a network of aboveground pipelines. The SWPPP encompassed an inventory and surveying of the existing storm sewer system, an evaluation of oil/water separator performance and identification of storm water management controls and practices.
- Project Engineer for the design of modifications to multiple discharge facilities along the Providence and Runnins Rivers in Rhode Island. Permitting activities were performed with the following agencies: Rhode Island Department of Environmental Management (RIDEM) Pollutant Discharge Elimination System (RPDES), RIDEM Division of Freshwater Wetlands, Coastal Resources Management Council (CRMC), and the Army Corps of Engineers.

Sanitary Experience

- Design Engineer for the evaluation of a municipal sanitary sewer system consisting of approximately 70 miles of piping ranging in size from 8 inches to 16 inches, in Garden City, New York. The sewer system was evaluated for existing and proposed flow capacity, surcharging, infiltration of groundwater, inflow of storm water, root encroachment, and sewer breaks. Evaluation methods consisted of hydraulic profile analysis, television inspection of piping, field inspection of manholes, and flow measurement. Sewer upgrading methods were evaluated including direct replacement, manhole restoration and pipe slip lining, and a rehabilitation program was implemented.
- Design Engineer for the City of Glen Cove's industrial wastewater pretreatment program which was established to monitor significant industrial users discharging to the city's wastewater treatment plant to minimize upsets to the

biological treatment mechanisms. The program work included annual facility inspections, wastewater discharge sampling, review and evaluation of quarterly self-monitoring results, calculation of discharge penalty fees, preparation of annual monitoring reports for each facility and development of wastewater discharge permits to comply with City regulations.

- Design Engineer for a heavy metals study for the municipal sanitary sewer system in the City of Glen Cove, New York. The heavy metals study consisted of the development and performance of a city-wide sewer sampling program to identify the sources of heavy metals loadings on the wastewater treatment plant. The evaluation included industrial sources, scavengers, non-industrial sources, the plant operation itself, and review of existing heavy metal studies. Recommendations were provided for minimization of loadings and pretreatment to protect the plant operations.

Stormwater Experience

- Design Engineer for the evaluation and conceptual design of a water management plan for a 200-acre proposed office complex in Bethpage, New York. The design included inlets, piping and recharge basin sizing for peak storm water runoff flows as well as a system of architectural ponds and level control structures. For dry periods, the design included flow controls connected to an existing cooling water system to maintain pond levels and for utilization as a water supply for an irrigation sprinkler system during the growing season.
- Design Engineer for the design of a municipal storm drainage system for a 200-acre contributing area in Garden City, New York. The purpose of the drainage system was to alleviate severe flooding problems for eight homes located in a local low point of a residential neighborhood. The system included over 4,800 linear feet of reinforced concrete piping ranging in size from 12 to 60 inches. Design considerations included hydraulic gradient analysis, inlet capacity, utility crossings, minimization of removals of established trees, a county road crossing, utilization of existing structures and piping, and a headwall discharge to a recharge basin. Additional design items included pavement restoration, service line relocations, curbs and sidewalks, and maintenance and protection of traffic.

Site Assessment Experience

- Senior Engineer for coordination and review of Phase I environmental site assessments for five large research and development complexes located throughout the eastern United States for a major chemical company. The site assessments were performed for due diligence prior to engaging in long-term property lease agreements. The site assessments evaluated chemical storage and handling areas and previous site usage.
- Senior Engineer for coordination and review of Phase I environmental site assessments for 12 properties associated with tennis centers acquisition on Long Island, New York. The properties were either active tennis center facilities or vacant parcels available for new construction. All site assessments were conducted in accordance with ASTM standards for commercial real estate transactions. Primary concerns identified were USTs, drum storage areas, and unauthorized dumping.
- Project Manager representing a group of banks investing in a 20 acre commercial property in Westchester, New York. The onsite soil was contaminated with several volatile and semi volatile organics. Performed an evaluation of the remediation plan which included onsite biological treatment of soils and aeration and oil water separation of groundwater.

Water Main Experience

- Project Engineer for the design of over 6,000 feet of ductile iron water main in sizes from 4 to 16 inches for Town of Hempstead, New York Department of Water and the Nassau County, New York Department of Public Works. The designs included wet and dry connections to existing mains, fittings, valves, copper services and fire hydrants. Restoration work included replacement of asphalt pavement, concrete sidewalk and curbs, and grass areas.
- Design Engineer for the design and construction management of over 10,000 feet of ductile iron water main in sizes from 6 to 12 inches for the Town of Wallkill, New York. The designs included booster pump station upgrades, a stream crossing, a wetlands crossing, jacking of 36-inch casing beneath a state highway, air release chambers, copper service re-connections, fire hydrants, valves, and appurtenances. Restoration work included wetlands restoration, backfilling, and regrading within a NYSDOT right-of-way and grass and pavement replacement.
- Design Engineer for the design and construction management of upgrades to a 3.7 mgd potable water booster pump station for the Town of Wallkill, New York. The design featured the replacement of a hydropneumatic tank and pump system with three larger capacity centrifugal pumps. The upgrades were performed while maintaining the pump station service. The pump station revisions included piping, pump pads, shut-off valves, silent check valves, pressure relief valves, gauges, ventilation equipment and a motor control center.

Feasibility Study Experience

- Senior Engineer for the performance of a feasibility study and remedial design of a free product containment and recovery system at a former refinery in New England. The areal extent of the free-product plume was approximately 10 acres with a measured thickness of up to eight feet. Pilot testing activities consisted of pump tests, baildown tests, and funnel and gate

systems with and without sheeting. The selected remedial alternative consisted of re-routing and repair of active storm sewer piping, closure-in place of a former 72-inch storm drain using clay fill material to form a barrier wall, and installation of multiple recovery trenches totaling 450 linear feet. The recovery trenches were installed to a depth of 14 feet using a deep trenching machine and were completed with gravel, horizontal perforated piping, recovery wells, and monitoring wells to accommodate both passive and active product recovery pumping equipment. Product recovery enhancement pilot testing was also performed by using non-ionic surfactants, mechanical reworking of soil and vacuum extraction methods.

- Project Engineer for the performance of a feasibility study for the containment of a free-product plume beneath a refinery site in Rhode Island. The feasibility study included analysis of groundwater modeling, bench and pilot scale treatability studies, groundwater quality characterization, identification and screening of discharge alternatives, and treatment process evaluations. The work also included the evaluation of the discharge of treatment system effluent to several receptors including groundwater, wetlands, sanitary sewers, and storm sewers. Discharge requirements were evaluated for process water, off-gas air, and residual wastes. Several treatment processes were also evaluated including metals precipitation and sludge dewatering, VOC and SVOC removal, and off-gas treatment. Preferred alternatives for each process were selected for remedial design development.
- Project Engineer for the performance of a feasibility study for a hazardous waste landfill located at a Superfund site in Tennessee. The feasibility study focused on the characterization and quantification of landfill leachate consisting of chlorinated organic compounds as well as proprietary pesticide compounds. The remedial technologies which were evaluated included leachate collection alternatives, onsite treatment alternatives and offsite disposal methods. An analysis was performed for onsite treatment technologies which included constructed wetlands, biological fluidized bed reactor, and granular activated carbon adsorption. The technologies were assembled into four feasible remedial alternatives and treatability studies were recommended to confirm the suitability of selected processes.

PROFESSIONAL AFFILIATIONS

National Society of Professional Engineers

American Society of Civil Engineers

WEF Hazardous Waste Committee, 1996 – 1998

PUBLICATIONS

Assessment and Remediation of Off-Spec Asphalt Disposal Areas - Co-authored, Contaminated Soils, Volume 3, Amherst Scientist Publishers, 1998

Use of a Subsurface Flow Constructed Wetlands for Collection and Removal of Water Containing BTEX, Co-authored, Proceedings of the 2000 Petroleum Hydrocarbons and Organic Chemicals in Groundwater Conference, National Ground Water Association

PROFESSIONAL PROFILE

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Nine years of experience: Senior, Project, and Staff Geologist at Roux, Islandia, NY.

TECHNICAL SPECIALTIES
Design, implementation, and management of Remedial Investigations and Remedial Actions for regulatory programs including New York State Department of Environmental Conservation Brownfield Cleanup Program (NYSDEC BCP) and New York City Office of Environmental Remediation (NYCOER) sites. Management of due diligence Site Assessments; preparation and management of BCP Applications, Remedial Investigation Work Plans, Remedial Investigation Reports, Remedial Action Work Plans, and Remedial Action Reports; investigation and evaluation of petroleum, polychlorinated biphenyl (PCB), and per- and poly fluoroalkyl substances (PFAS)-related contamination; and management of large-scale soil excavation projects including demolition, waste characterization, and construction activities.

REPRESENTATIVE PROJECTS

- Project manager for an affordable housing redevelopment site enrolled in the NYSDEC BCP, located in the Hunts Point neighborhood of the Bronx, New York. The site was formally used as a juvenile detention center. This project included due diligence (Phase I and Phase II investigations), remedial investigations (soil, groundwater, and soil vapor), site-wide in situ a waste characterization sampling program to characterize and properly dispose of over 62,000 tons of contaminated soil. Responsibilities also included the implementation and a NYSDEC-approved Remedial Action Work Plan and attainment of a Certificate of Completion under the NYSDEC BCP. The site will be redeveloped into a 100% affordable housing mixed-use campus that includes 740 residential units, 53,000 SF of community space, 15,000 SF of commercial space, and 260 parking spaces. Additional redevelopment responsibilities included coordination and attainment of New York City Department of Environmental Protection discharge permit for dewatering during construction activities and coordination with New York City Office of Environmental Remediation to meet the requirements of a Noise Attenuation and Air Quality E-Designation.

- Project manager for an affordable housing and community art center redevelopment site enrolled in the NYSDEC BCP, located in Brownsville, New York. The site is approximately 1.31 acres and was formerly used for automobile repair, furniture/cabinet manufacturing, residential, and various commercial spaces. Project responsibilities included successful completion of a NYSDEC BCP Eligibility investigation, acceptance into the NYSDEC BCP, approval of the Remedial Investigation Work Plan (RIWP), implementation of the RIWP, and preparation and implementation of an in-situ waste characterization sampling plan for approximately 22,000 CY of soil. Coordination with NYSDEC will continue through Remedial Action Work Plan (RAWP) preparation, RAWP approval, and environmental oversight during redevelopment of the property.

- Project manager for an affordable housing redevelopment under NYCDEP jurisdiction located in the Bedford-Stuyvesant neighborhood of Brooklyn. Responsibilities included environmental oversight and ensuring compliance with the NYCDEP-approved Remedial Action Plan (RAP), development and implementation of an in-situ waste characterization sampling plan for approximately 5,000 CY of soil, support through offsite disposal and soil management coordination, coordination with foundation contractors during submittal review for vapor barrier and sub-slab depressurization (SSDS) construction, and vapor barrier and SSDS installation inspections. The property will be redeveloped into community facility space and 60 affordable housing residential units.

- Project manager for neighboring sites enrolled in the NYSDEC BCP, located along the Harlem River in the Mott Haven neighborhood of the Bronx, New York. Site contamination included historic fill and petroleum associated with 18 underground storage tanks (USTs), hydraulic lifts, and an oil/water separator. Responsibilities included the preparation and implementation of the NYSDEC-approved RIWP and RAWP, management during construction operations to ensure successful implementation of remedial elements including the proper offsite disposal of over 70,000 tons of contaminated soil, and receipt of a Certificate of Completion under the NYSDEC BCP. Additional redevelopment responsibilities included support during obtainment of a State Pollutant Discharge Elimination System (SPDES) Permit, NYSDEC Water Withdrawal Permit for construction dewatering, and shoreline permitting. The sites will be redeveloped to include over 34,000 square feet (SF) of public waterfront parkland, over 1,350 apartments, a portion of which include affordable housing units, 15,000 SF of retail space, 598 parking spaces, and a technology-oriented community center.
- Project manager for an affordable housing redevelopment under NYCDEP jurisdiction located in the Bushwick neighborhood of Brooklyn. Responsibilities included environmental oversight and ensuring compliance with the NYCDEP-approved Remedial Action Plan (RAP), support through offsite disposal of approximately 2,000 CY of soil, and coordination with foundation contractors during submittal review for vapor barrier installation, and vapor barrier compliance inspections. The property will be redeveloped into community facility space and 155 affordable housing residential units.
- Project manager for the redevelopment of a former powerplant located in the Gowanus neighborhood of Brooklyn, New York. The site is enrolled in the NYSDEC BCP and was remediated to allow for restricted residential use. The industrial site history and proximity to the Gowanus Canal Superfund Site requires a United States Environmental Protection Agency (USEPA)-approved remediation. Project responsibilities included management and disposal of over 30,000 tons of non-hazardous soil and over 8,000 tons of Toxic Substances Control Act (TSCA)-regulated hazardous soil, health and safety oversight, and oversight of contractors during implementation of the NYSDEC-approved Remedial Action Work Plan and Site Management Plan. Additional redevelopment coordination includes obtainment of a NYCDEP Industrial Wastewater Permit, asbestos containing material (ACM) abatement coordination and oversight, and coordination and oversight during installation of a new steel sheet pile bulkhead along the Gowanus Canal.
- Project manager for the redevelopment of a former railyard and freight terminal in Sunset Park, Brooklyn, New York. The redevelopment spans over 30-acres and is under multi-agency jurisdiction including the NYCDEP, NYSDEC under the BCP, and NYSDEC under the State Superfund Program. The portion of the site enrolled in the NYSDEC BCP and will be remediated to allow for future industrial use. Project responsibilities include BCP application preparation; Remedial Investigation Work Plan development and implementation; Remedial Investigation Report preparation; Interim Remedial Measure Work Plan preparation; excavation and construction oversight; and work plan compliance monitoring. NYCDEP coordination includes the preparation of a Remedial Action Plan and Health and Safety Plan; and work plan compliance monitoring. Additional responsibilities include Tidal Wetland Adjacent Area jurisdiction determination support, Tidal Wetland Permit Application preparation, and ensuring compliance of the Site Management Plan during improvement work to the State Superfund Site.
- Project manager for redevelopment of a Federal Superfund Site located on Long Island, New York, for future commercial use. Project responsibilities include coordination and compliance with NYSDEC and USEPA Site Management Plans, support during preparation of the Environmental Assessment Form for the local Town Department of Environmental Resources, infiltration/percolation testing for future stormwater system design, soil management specification preparation, and construction oversight and reporting to all environmental agencies.
- Project manager during the redevelopment of an over 65-acre property formerly utilized as a petroleum oil terminal for over 50 years in Perth Amboy, New Jersey. Site redevelopment will include the demolition of over 30 aboveground storage tanks (ASTs) ranging from 500 gallons to over 10 million gallons, and associated piping, support structures, and repair garage, onsite reuse of over 200,000 CY of soil, and import of over 350,000 CY of soil in order to construct a new 900,000 SF logistics warehouse. Environmental coordination with New Jersey Department of Environmental Protection (NJDEP) includes Phase I/Preliminary Assessment (PA) preparation, Phase II ESA implementation and report preparation, completion of soil sampling in accordance with NJDEP soil sampling protocols/regulatory requirements, preparation of a Remedial Action Workplan (RAW), and remediation oversight.
- Project manager for an over 20-acre property located in Jersey City, New Jersey under adjusted direct oversight of the NJDEP. Redevelopment of the property includes the demolition of three existing onsite warehouse buildings, onsite reuse of over 13,000 CY of demolition debris, onsite reuse of approximately 5,000 CY of soil, and import of over 150,000 CY of soil in order to construct a new 400,000 SF logistics warehouse. Onsite

remediation includes the preparation of an Area of Concern (AOC)-specific Self-Implementing PCB Clean-up Plan, implementation of the PCB remediation in accordance with TSCA-regulations, proper offsite disposal of TSCA-regulated waste, and implementation of institutional and engineering controls in accordance with USEPA. Additional Site-wide remediation includes the installation of a Site-wide cap and deed notice in accordance with NJDEP Technical Requirements for Site Remediation.

- Project manager for the reconstruction of 1,500 linear feet of esplanade along the East River beneath the Brooklyn Bridge in Manhattan, New York. Responsibilities included coordination with the NYCDEP, New York City Economic Development Corporation (NYCEDC), and the redevelopment team to ensure compliance with the NYCDEP-approved Remedial Action Plan and Construction Health and Safety Plan; completion of an environmental summary report; implementation of a NYCDEP-approved Phase II Environmental Site Assessment; completion of Stormwater Pollution Prevention Plan (SWPPP) inspections and construction oversight; and support and coordination to ensure compliance with the NYSDEC tidal wetland permit. Reconstruction includes updating and improving the existing walkways, enhancing the public's access to the waterfront, restoration and replacement of the existing bulkhead, and improving upon the coastal resiliency of the site.
- Project manager for several redevelopment sites requiring soil transfers totaling over 20,000 cubic yards between sites in and outside of regulatory agencies. Responsibilities included coordination with the New York City Office of Environmental Remediation (NYCOER) Clean Soil Bank and NYSDEC, management and implementation of soil sampling programs in accordance with NYSDEC Part 360 and DER-10, including emerging contaminants (1,4-dioxane and PFAS).
- Field manager at a 1,300-acre former aluminum smelter site in Columbia Falls, Montana, listed as a Superfund site. Field work was completed in accordance with a USEPA-approved Remedial Investigation/Feasibility Study and Sampling and Analysis Plan including the collection of soil samples to characterize and investigate the contaminants of potential concern associated with former industrial uses at the site and investigated contamination levels within former wastewater percolation ponds.
- Field manager for bedrock core drilling for non-aqueous phase liquid (NAPL) delineation at a former manufacturing facility in Queens, New York. Oversight included inspection of bedrock cores for primary and secondary fractures, evidence of contamination, and completion of rock quality designation (RQD) calculations. Project also included oversight and inspection during the installation of the grout secant wall containment area to cut off NAPL source area. Secant wall oversight included, implementation of the Community Air Monitoring Plan (CAMP), health and safety oversight of worker breathing zone, and inspection of drilling secant wall installation to ensure hydraulic seal. The former manufacturing facility was remediated to allow for restricted residential use and was redeveloped into a mixed-used building consisting of 1,800 residential units.
- Field and remedial construction manager for the largest ongoing redevelopment project in New York. Project included subcontractor oversight and health and safety oversight during utility clearance, soil boring installation, and in situ waste characterization sampling. Additional responsibilities consisted of waste disposal and construction management oversight, support for soil excavation, and ensuring compliance with the Site Environmental Management Plan.
- Field manager for an environmental subsurface investigation in Enfield, Connecticut. Project responsibilities included managing subcontractors and health and safety oversight during the investigation of multiple former dry cleaners. Subcontractor oversight was completed during utility clearance, soil boring installation, Membrane Interface Probe/Cone Penetration Test soil screening, and groundwater monitoring well installation. The investigation of the former dry cleaners included the delineation of Tetrachloroethylene (PCE) and Trichloroethylene (TCE) through soil, groundwater, and soil vapor sampling. Investigation responsibilities included soil lithology classification, soil vapor pin installation, preparation of soil boring logs using gINT software, and assistance with project planning and report preparation.
- Field manager responsible for construction and excavation oversight on Roosevelt Island, New York. Responsibilities included coordination between multiple general contractors by attending weekly construction meetings, excavation support and soil inspection, groundwater dewatering oversight, soil sampling, CAMP support, and weekly SWPPP inspections.
- Field manager for a NYCOER Voluntary Cleanup Program (VCP) Remedial Investigation for the redevelopment of a shopping mall in Staten Island, New York. Project responsibilities included health and safety oversight and management of subcontractors during utility clearance, soil boring installation, groundwater monitoring well installation, and soil vapor point installation. Coordinated and managed a field team to complete soil, groundwater, and soil vapor sampling (volatile organic compounds [VOCs] and methane). Office coordination included the preparation of soil boring logs using gINT software and assistance with project planning and report preparation.
- Field manager for in situ waste characterization of over 32,000 CY of soil and collection of endpoint samples in accordance

with the NYCOER-approved investigation work plan for a redevelopment site in Astoria, Queens, New York. Responsibilities included health and safety oversight and management of subcontractors during utility clearance and soil boring installation. Completed soil lithology classification and collection of waste characterization and endpoint soil samples.

- Support to Expert Witness for an ongoing case between a major insurance carrier and a large multi-national chemical manufacturer. The case involved categorizing past costs for 12 chemical sites across the country. Assisted in the preparation of expert report on behalf of insurance carrier (Defendant).

  Complaint No. 84 Civ. 1968 (JSR); U.S. District Court, Southern District of New York.

PROFESSIONAL TRAININGS

OSHA 40-Hour HAZWOPER Training, 2014

OSHA Eight-Hour Refresher Training, Certificate Current

OSHA Ten-Hour Construction Outreach Training, 2015

OSHA 30-hour Construction Safety Training, 2019

Transit Worker Identification Credential Card Holder

PROFESSIONAL PROFILE

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209 Shafter Street
Islandia, NY 11749

EDUCATION
BS, Earth & Environmental Science, Lehigh University, 2018

PROFESSIONAL AFILLIATIONS
Waterfront Alliance
Waterfront Edge Design Guidelines (WEDG®)Associate

Sarah Stern

Senior Geologist I

EXPERIENCE SUMMARY
Over seven years of experience: Senior Geologist I, Project Geologist, Staff Geologist, and Staff Assistant Geologist with Roux, Islandia, New York.

TECHNICAL SPECIALTIES
Design, implementation, management, and reporting for Remedial Investigations, Interim Remedial Measures and Remedial Actions for sites in regulatory programs including New York State Department of Environmental Conservation (NYSDEC) Petroleum Remediation Program, NYSDEC Voluntary Cleanup Program, NYSDEC Brownfield Cleanup Program and United States Environmental Protection Agency (USEPA) Federal Superfund. Management of complex petroleum remediation spill sites including non-aqueous phase liquid (NAPL) remediation system installation / operation / optimization and NAPL transmissivity testing. Remedial construction and soil excavation oversight, and management of waste characterization and disposal. Environmental site assessments focusing on soil, sediment, groundwater, and soil vapor using multiple sampling techniques. Investigation and evaluation of petroleum, chlorinated solvent and per- and poly fluoroalkyl substances (PFAS)-related contamination.

REPRESENTATIVE PROJECTS

- Project manager providing technical and strategic support in limiting a Potentially Responsible Party's long-term liability at a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) industrial waterway sediment site listed on the USEPA National Priorities List. Responsibilities include historical file research and review, nexus package preparation, oversight of remedial cost allocation database, litigation support, routine communication with the litigation team, and management of annual budget.
- Project manager and field supervisor for the ongoing investigation and remediation of a former lube and wax refinery and petroleum storage terminal in Queens, New York. The Site is in the NYSDEC Petroleum Remediation Program and under a Remedial Consent Order. Responsibilities include serving as technical consultant for the client assisting in the preparation of all regulatory submittals and overall strategy to achieve site closure through the NY State Spills Programs. Associated tasks include design, installation, and operation and maintenance (O&M) of NAPL recovery systems, NAPL transmissivity testing, scheduling and management of subcontractors and O&M team, preparation of NYSDEC quarterly monitoring reports, Construction Completion Reports (CCRs), Remedial Action Work Plan (RAWP) compliance and other regulatory deliverables. Managed Site-wide annual groundwater monitoring, quarterly monitoring well gauging, soil vapor intrusion investigations, surface water sampling, and non-hazardous waste handling,
- Project manager for environmental compliance monitoring at a power generating station in Long Island City, New York. Responsibilities include project management of weekly sampling for SPDES compliance, fluid elevation level monitoring, product recovery, monthly progress reports, semi-annual groundwater sampling, and annual groundwater sampling for Major Oil Storage Facility (MOSF) permit compliance.
- Project management support for ecological and environmental consulting support for the redevelopment of a 32-acre underutilized property to create a Port Facility for offshore wind material staging, assembly, and pre-commissioning of wind turbine generators and other offshore wind components. This is a multi-year project and services supported to date have included sediment analysis and evaluation and dredge material management, preparation of

a Remedial Action Plan and Construction Health and Safety Plan (CHASP), essential fish habitat assessment support, joint permit application permitting support Project manager for due diligence project in Brooklyn, NY. Activities include planning and implementation of Phase I and Phase II site assessments, dye tracer testing, lead based paint, asbestos and hazardous materials surveys, development of remedial cost estimates for planning and negotiation, sub-slab depressurization system (SSDS) pilot testing and installation.

- Project manager for a 40-acre former metals manufacturing facility in Staten Island under the NYSDEC Voluntary Cleanup program. Responsibilities include scheduling and management of Site inspection events, coordinating third-party redevelopment, and preparing annual progress reports.
- Project and field management support for a site handling a petroleum hydrocarbon product release from a former refinery and petroleum storage terminal in Brooklyn, New York. Reporting tasks include preparation of groundwater and soil vapor reports, quarterly progress reports, interim remedial measure (IRM) completion reports, HASP updates, Alternative Analysis Report preparation, and notices to NYSDEC. Field management responsibilities have included pressure-pulsed waterflooding IRM to enhance NAPL recovery, quarterly site-wide fluid level gauging, annual groundwater monitored natural attenuation, sampling, community air monitoring program (CAMP) implementation, construction oversight, monitoring well installation, soil vapor sampling and annual NAPL transmissivity testing at select wells throughout the site.
- Project manager for a Remedial Investigation and vapor intrusion assessments at a mixed-use site in Long Island City, New York. Planned, oversaw, and implemented the collection of soil, soil vapor, and groundwater samples in the building basement and prepared a Remedial Investigation Report with findings. Supported investigations for further vapor intrusion investigations to evaluate the source of volatile organic compounds (VOCs) in indoor air and provided mitigation recommendations to the client.
- Field manager responsible for providing environmental support for Long Island Rail Road railyard site including overseeing soil excavation and movement, overseeing disposal of soil, proper handling of waste manifests, waste characterization and daily reporting of site activities for development of residential buildings in Pacific Park, Brooklyn, New York.
- Assisted in the implementation of a large-scale waste characterization program for a major redevelopment project in Elmont, New York. Project included coordination and oversight of in situ waste characterization sampling of over 405,000 tons of soil.
- Participated in research for the Tecumseh insurance litigation project including reviewing and entering nearly 2,000 contractor invoices.
- Project Manager and field manager responsible for Phase II Site Assessments and Remedial Investigations at various sites in Manhattan and Brooklyn including monitoring well installation and corresponding soil, soil vapor, and groundwater sampling. Preparation of various project reports such as Remedial Investigation Work Plans, Remedial Investigation Reports, Feasibility Studies, Remedial Action Work Plans, Quality Assurance Project Plans, Final Engineering Reports, and Site Management Plans.
- Implemented CAMP during excavation and disposal activities at various sites in Manhattan and Brooklyn. Responsible for monitoring airborne dust and VOCs that are potentially generated by remedial action work activities, reviewing the collected data for exceedances of the New York State Department of Health (NYSDOH) guidelines and for signing manifests for the shipment of soil to approved facilities.
- Site Safety Officer for various remedial investigation sites. Responsibilities include preparation of health and safety plans (HASPs), job safety analysis documents development and review, onsite safety meeting management, safety document preparation (Lessons Learned, Near Loss, Field Audits, etc.), and planning/execution of corrective actions.

PROFESSIONAL TRAININGS

OSHA 40-Hour HAZWOPER Training, Annual 8-hr HAZWOPER Refreshers

OSHA 10-Hour Construction Safety Training

Transportation Worker Identification Credential

OSHA 30-Hour Construction Safety Training

First Aid, CPR/AED Training

DOT Hazmat/RCRA Training

JUDY V. HARRY
P. O. Box 208
120 Cobble Creek Rd.
North Creek, NY 12853

Occupation: Data Validator/Environmental Technical Consultant

Years Experience: 48

Education: B.S., Chemistry, Magna cum laude, 1976, Phi Beta Kappa

Certifications: New York State Woman-Owned Business Enterprise (WBE)

Relevant Work History:

Data Validation Services: September 1989 - present

Sole proprietor of Data Validation Services, a woman-owned small business registered with SAM, providing consultation/validation services to regulatory and commercial clients.

These services include the review of analytical laboratory data for compliance with respect to specific protocols, accuracy and defensibility of data, verification of reported values, and evaluation of quality parameters for analytical usability of results. Approved by USEPA, NYSDEC, NJDEP, NYSERDA, and NYCDEP as a data validator for projects, including USEPA Superfund, Brownfield, and lead sites, and those contracted through the NYSDEC Division of Hazardous Waste Remediation, Division of Solid Waste, and Division of Water Quality.

Performed validation for compliance with laboratory analytical protocols including USEPA OLM, USEPA OLC, USEPA ILM, USEPA DFLM, USEPA SOW3/90, USEPA SOW 7/87 CLP, USEPA SOW 2/88 CLP, USEPA SW846, RCRA, AFCEE, NYS 6 NYCRR Part 360, 40 CFR, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, including TO-15, 1989/1991/1995/2000/2005 NYSDEC ASPs, and 1987 NYSDEC CLP.

Performed validation according to the USEPA National and Regional SOPs and Functional Guidelines, AFCEE requirements, NYSDEC Validation Scope of Work, NYS DUSR, and NJDEP Division of Hazardous Site Mitigation/Publicly Funded Site Remediation SOPs.

Performed validation for USEPA Superfund Sites including Salem Acres, York Oil, Port Washington L-4 Landfill, Bridgeport Rental and Oil Services, GE-MRFA, MMR/ OTIS AFB, LCP, and Peter Cooper site; and for USEPA lead sites including SJ&J Piconne, Maska, Bowe System, Jones Sanitation, and Syossett Landfill, involving CLP, RAS, and SAS protocols.

Contracted for NYSDEC Superfund Standby Contracts with LMS Engineers/HDR, CDM Smith, Malcolm-Pirnie/ARCADIS, Ecology & Environment, Shaw Environmental/APTIM, CG&I, O'Brien & Gere Engineers, and EC Jordan, involving samples collected at NYS Superfund Sites and analyzed under the NYSDEC ASP.

Performed validation services for NYSDEC Phase II remedial investigations, RI/FS projects, Brownfield sites, and PRP over-site projects for hazardous waste sites.

Performed validation services for clients conducting RI/FS activities involving samples of many matrices, including waste, air, sludges, leachates, solids/sediments, aqueous, and biota.

Clients have included AECOM, Arcadis, Barton & Loguidice, Benchmark Engineering, Bergmann Associates, Blasland, Bouck & Lee, Brown and Caldwell, CDM Smith, CB&I Shaw Environmental, C&S Consulting Engineers, Chazen Companies, Clough Harbour & Associates, Columbia Analytical Services, C.T. Male, Dames & Moore, Day Engineering, EA Engineering, EcolSciences, Ecology & Environment, Ecosystems, EC Jordan, Environmental Chemical Corporation, EHRT, ENSR Consulting, ELM, ERM-Northeast, Fagan Engineers, Fanning Phillips & Molnar, FluorDaniel GTI, Frontier, Foster Wheeler Environmental Corp, Frontier Technical, Galson Consultants, GEI, GE&R, Geomatrix Consultants, GZA Environmental, Handex of N, Hazard Evaluations, H2M Group, HDR, HRP, IT Corp, Jacques Whitford, JTM Associates, JMT, LaBella Associates, Langan Engineers, Leader Environmental, Lockwood, Kessler & Bartlett, LMS Engineers, Malcolm-Pirnie, Metcalf & Eddy, NWEC&C, O'Brien & Gere Engineers, Pace, Parsons Engineering-Science, Plumley Engineering, Prescott Environmental, P. W. Grosser, Ramboll, Rizzo Associates, Roux Associates, Sear Brown Group, SECOR, Sovereign Consulting, Shaw Environmental, Stantec, ThermoRemediation Inc., TRC Environmental, Turnkey Environmental Restoration, TVGA Engineering, URS Consultants, Wehran Emcon, Weston, Wittman Geosciences, YEC, and private firms.

Provided consultation services to laboratories regarding analytical procedures and protocol interpretation, and to law firms for litigation support.

Provided services to firms involving audits of environmental analytical laboratories to determine analytical capability, particularly for compliance with NYSDEC ASP and AFCEE requirements.

Guest speaker on a panel discussing Data Review/Compliance and Usability, for an analysis workshop for the New York Association of Approved Environmental Laboratories, 1993.

Adirondack Environmental Services: June 1987 - August 1989

Senior mass spectroscopist for AES. Responsible for GC/MS analyses of environmental samples by USEPA and NYSDEC protocols, development of the GC/MS laboratory, initiating the instrumental and computer operations from the point of installation, and for implementing the procedures and methodologies for Contract Laboratory Protocol.

CompuChem Laboratories: May 1982 - January 1987

Managed a GC/MS production laboratory; developed, implemented, and supervised QA/QC criteria at three different levels of review; and was responsible for the development and production of the analysis of environmental and clinical samples. Directed a staff of 23 technical and clerical personnel, and managed the extraction and GC/MS labs and data review operations.

Research Triangle Institute (RTI): December 1979 - May 1982

Worked as an analytical research chemist responsible for development of analytical methods for the EPA Federal Register at RTI. This involved analysis of biological and environmental samples for priority pollutants, primarily relating to wastewaters and to human sampling studies. Method development included modification and interfacing of the initially developed Tekmar volatile purge apparatus to GC/MS, development and refinement of methods for entrapment and concentration of the air medium for subsequent volatile analysis, and the analysis and resolution/ identification of individual PCB congeners within Aroclor mixtures by capillary column and mass spectra.

Guardsman Chemical Company: February 1977 - November 1979

Performed all quality control functions for the manufacturing plant. Performed research and development on coatings and dyes.

Almay Cosmetics: May 1976 - December 1976

Product evaluation chemist. Responsible for analytical QC of manufactured products.

Publication

Pellizzzari, E.D., Moseley, M.A., Cooper, S.D., Harry, J.V., Demian, B., & Mullin, M. D. (1985). Recent Advances in the Analysis of Polychlorinated Biphenyls in Environmental and Biological Media. *Journal of Chromatography*, 334(3) 277-314.

ATTACHMENT 2

NYSDEC PFAS Guidance

NEW YORK STATE OF OPPORTUNITY.

Department of Environmental Conservation

SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Under NYSDEC's Part 375 Remedial Programs

April 2023

www.dec.ny.gov

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ERRATA SHEET for

SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs Issued January 17, 2020

Citation and Page Number	Current Text	Corrected Text	Date
Title of Appendix I, page 32	Appendix H	Appendix I	2/25/2020
Document Cover, page 1	Guidelines for Sampling and Analysis of PFAS	Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs	9/15/2020
Data Assessment and Application to Site Cleanup Page 3	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published	Until such time as Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published	3/28/2023
Water Sample Results Page 3	PFOA and PFOS should be further assessed and considered as potential contaminants of concern in groundwater or surface water if PFOA or PFOS is detected in any water sample at or above 10 ng/L (ppt) and is determined to be attributable to the site, either by a comparison of upgradient and downgradient levels, or the presence of soil source areas, as defined below.	NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS. Groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS. These guidance values also include criteria for surface water for PFOS applicable for aquatic life, which may be applicable at some sites. Drinking water sample results should be compared to the NYS maximum contaminant level (MCL) of 10 ng/l (ppt).Analysis to determine if PFOA and PFOS concentrations are attributable to the site should include a comparison between upgradient and downgradient levels, and the presence of soil source areas, as defined below.	3/28/2023
Soil Sample Results Page 3	Soil cleanup objectives for PFOA and PFOS have been proposed in an upcoming revision to 6 NYCRR Part 375-6. Until SCOs are in effect, the following are to be used as guidance values:	NYSDEC will delay adding soil cleanup objectives for PFOA and PFOS to 6 NYCRR Part 375-6 until the PFAS rural soil background study has been completed. Until SCOs are in effect, the following are to be used as guidance values:	3/28/2023
Protection of Groundwater Page 3	PFOA (ppb) 1.1 PFOS (ppb) 3.7	PFOA (ppb) 0.8 PFOS (ppb) 1.0	3/28/2023

Citation and Page Number	Current Text	Corrected Text	Date
Footnote 2 Page 3	The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	The Protection of Groundwater values are based on the above referenced ambient groundwater guidance values. Details on that calculation are available in the following document, prepared for the February 2022 proposed changes to Part 375 (https://www.dec.ny.gov/docs/remediation_hudson_pdf/part375techsupport.pdf). The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	3/28/2023
Testing for Imported Soil Page 4	If the concentrations of PFOA and PFOS in leachate are at or above 10 ppt (the Maximum Contaminant Levels established for drinking water by the New York State Department of Health), then the soil is not acceptable.	If the concentrations of PFOA and PFOS in leachate are at or above the ambient water quality guidance values for groundwater, then the soil is not acceptable.	3/28/2023
Routine Analysis, page 9	"However, laboratories analyzing environmental samples…PFOA and PFOS in drinking water by EPA Method 537, 537.1 or ISO 25101."	"However, laboratories analyzing environmental samples…PFOA and PFOS in drinking water by EPA Method 537, 537.1, ISO 25101, or Method 533."	9/15/2020
Additional Analysis, page 9, new paragraph regarding soil parameters	None	"In cases where site-specific cleanup objectives for PFOA and PFOS are to be assessed, soil parameters, such as Total Organic Carbon (EPA Method 9060), soil pH (EPA Method 9045), clay content (percent), and cation exchange capacity (EPA Method 9081), should be included in the analysis to help evaluate factors affecting the leachability of PFAS in site soils."	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Data Assessment and Application to Site Cleanup Page 10	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFAS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Target levels for cleanup of PFAS in other media, including biota and sediment, have not yet been established by the DEC.	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Preliminary target levels for cleanup of PFOA and PFOS in other media, including biota and sediment, have not yet been established by the DEC.	9/15/2020
Water Sample Results Page 10	PFAS should be further assessed and considered as a potential contaminant of concern in groundwater or surface water (…) If PFAS are identified as a contaminant of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.	PFOA and PFOS should be further assessed and considered as potential contaminants of concern in groundwater or surface water (…) If PFOA and/or PFOS are identified as contaminants of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Soil Sample Results, page 10	"The extent of soil contamination for purposes of delineation and remedy selection should be determined by having certain soil samples tested by Synthetic Precipitation Leaching Procedure (SPLP) and the leachate analyzed for PFAS. Soil exhibiting SPLP results above 70 ppt for either PFOA or PFOS (individually or combined) are to be evaluated during the cleanup phase."	"Soil cleanup objectives for PFOA and PFOS will be proposed in an upcoming revision to 6 NYCRR Part 375-6. Until SCOs are in effect, the following are to be used as guidance values. " [Interim SCO Table] "PFOA and PFOS results for soil are to be compared against the guidance values listed above. These guidance values are to be used in determining whether PFOA and PFOS are contaminants of concern for the site and for determining remedial action objectives and cleanup requirements. Site-specific remedial objectives for protection of groundwater can also be presented for evaluation by DEC. Development of site-specific remedial objectives for protection of groundwater will require analysis of additional soil parameters relating to leachability. These additional analyses can include any or all the parameters listed above (soil pH, cation exchange capacity, etc.) and/or use of SPLP. As the understanding of PFAS transport improves, DEC welcomes proposals for site-specific remedial objectives for protection of groundwater. DEC will expect that those may be dependent on additional factors including soil pH, aqueous pH, % organic carbon, % Sand/Silt/Clay, soil cations: K, Ca, Mg, Na, Fe, Al, cation exchange capacity, and anion exchange capacity. Site-specific remedial objectives should also consider the dilution attenuation factor (DAF). The NJDEP publication on DAF can be used as a reference: https://www.nj.gov/dep/srp/guidance/rs/daf.pdf. "	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Testing for Imported Soil Page 11	Soil imported to a site for use in a soil cap, soil cover, or as backfill is to be tested for PFAS in general conformance with DER-10, Section 5.4(e) for the PFAS Analyte List (Appendix F) using the analytical procedures discussed below and the criteria in DER-10 associated with SVOCs. If PFOA or PFOS is detected in any sample at or above 1 µg/kg, then soil should be tested by SPLP and the leachate analyzed for PFAS. If the SPLP results exceed 10 ppt for either PFOA or PFOS (individually) then the source of backfill should be rejected, unless a site-specific exemption is provided by DER. SPLP leachate criteria is based on the Maximum Contaminant Levels proposed for drinking water by New York State's Department of Health, this value may be updated based on future Federal or State promulgated regulatory standards. Remedial parties have the option of analyzing samples concurrently for both PFAS in soil and in the SPLP leachate to minimize project delays. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.	Testing for PFAS should be included any time a full TAL/TCL analyte list is required. Results for PFOA and PFOS should be compared to the applicable guidance values. If PFOA or PFOS is detected in any sample at or above the guidance values then the source of backfill should be rejected, unless a site-specific exemption is provided by DER based on SPLP testing, for example. If the concentrations of PFOA and PFOS in leachate are at or above 10 ppt (the Maximum Contaminant Levels established for drinking water by the New York State Department of Health), then the soil is not acceptable. PFOA, PFOS and 1,4-dioxane are all considered semi-volatile compounds, so composite samples are appropriate for these compounds when sampling in accordance with DER-10, Table 5.4(e)10. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Footnotes	None	[1] TOP Assay analysis of highly contaminated samples, such as those from an AFFF (aqueous film-forming foam) site, can result in incomplete oxidation of the samples and an underestimation of the total perfluoroalkyl substances. [2] The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the soil cleanup objective for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	9/15/2020
Additional Analysis, page 9	In cases… soil parameters, such as Total Organic Carbon (EPA Method 9060), soil…	In cases… soil parameters, such as Total Organic Carbon (Lloyd Kahn), soil…	1/8/2021
Appendix A, General Guidelines, fourth bullet	List the ELAP-approved lab(s) to be used for analysis of samples	List the ELAP- certified lab(s) to be used for analysis of samples	1/8/2021
Appendix E, Laboratory Analysis and Containers	Drinking water samples collected using this protocol are intended to be analyzed for PFAS by ISO Method 25101.	Drinking water samples collected using this protocol are intended to be analyzed for PFAS by EPA Method 537, 537.1, 533, or ISO Method 25101	1/8/2021
Water Sample Results Page 9	"In addition, further assessment of water may be warranted if either of the following screening levels are met: a. any other individual PFAS (not PFOA or PFOS) is detected in water at or above 100 ng/L; or b. total concentration of PFAS (including PFOA and PFOS) is detected in water at or above 500 ng/L"	Deleted	6/15/2021

Citation and Page Number	Current Text	Corrected Text	Date
Routine Analysis, Page XX	Currently, New York State Department of Health's Environmental Laboratory Approval Program (ELAP)… criteria set forth in the DER's laboratory guidelines for PFAS in non-potable water and solids (Appendix H - Laboratory Guidelines for Analysis of PFAS in Non-Potable Water and Solids).	Deleted	5/31/2022
Analysis and Reporting, Page XX	As of October 2020, the United States Environmental Protection Agency (EPA) does not have a validated method for analysis of PFAS for media commonly analyzed under DER remedial programs (non-potable waters, solids). DER has developed the following guidelines to ensure consistency in analysis and reporting of PFAS.	Deleted	5/31/2022
Routine Analysis, Page XX	LC-MS/MS analysis for PFAS using methodologies based on EPA Method 537.1 is the procedure to use for environmental samples. Isotope dilution techniques should be utilized for the analysis of PFAS in all media.	EPA Method 1633 is the procedure to use for environmental samples.	
Soil Sample Results, Page XX	Soil cleanup objectives for PFOA and PFOS will be proposed in an upcoming revision to 6 NYCRR Part 375-6	Soil cleanup objectives for PFOA and PFOS have been proposed in an upcoming revision to 6 NYCRR Part 375-6	
Appendix A	"Include in the text… LC-MS/MS for PFAS using methodologies based on EPA Method 537.1"	"Include in the text ….EPA Method 1633"	
Appendix A	"Laboratory should have ELAP certification for PFOA and PFOS in drinking water by EPA Method 537, 537.1, EPA Method 533, or ISO 25101"	Deleted	
Appendix B	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	

Citation and Page Number	Current Text	Corrected Text	Date
Appendix C	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	
Appendix D	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	
Appendix G		Updated to include all forty PFAS analytes in EPA Method 533	
Appendix H		Deleted	
Appendix I	Appendix I	Appendix H	
Appendix H	"These guidelines are intended to be used for the validation of PFAS analytical results for projects within the Division of Environmental Remediation (DER) as well as aid in the preparation of a data usability summary report."	"These guidelines are intended to be used for the validation of PFAS using EPA Method 1633 for projects within the Division of Environmental Remediation (DER)."	
Appendix H	"The holding time is 14 days…"	"The holding time is 28 days…"	
Appendix H, Initial Calibration	"The initial calibration should contain a minimum of five standards for linear fit…"	"The initial calibration should contain a minimum of six standards for linear fit…"	
Appendix H, Initial Calibration	Linear fit calibration curves should have an R^2 value greater than 0.990.	Deleted	
Appendix H, Initial Calibration Verification	Initial Calibration Verification Section	Deleted	
Appendix H	secondary Ion Monitoring Section	Deleted	
Appendix H	Branched and Linear Isomers Section	Deleted	

Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs

Objective

New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) performs or oversees sampling of environmental media and subsequent analysis of PFAS as part of remedial programs implemented under 6 NYCRR Part 375. To ensure consistency in sampling, analysis, reporting, and assessment of PFAS, DER has developed this document which summarizes currently accepted procedures and updates previous DER technical guidance pertaining to PFAS.

Applicability

All work plans submitted to DEC pursuant to one of the remedial programs under Part 375 shall include PFAS sampling and analysis procedures that conform to the guidelines provided herein.

As part of a site investigation or remedial action compliance program, whenever samples of potentially affected media are collected and analyzed for the standard Target Analyte List/Target Compound List (TAL/TCL), PFAS analysis should also be performed. Potentially affected media can include soil, groundwater, surface water, and sediment. Based upon the potential for biota to be affected, biota sampling and analysis for PFAS may also be warranted as determined pursuant to a Fish and Wildlife Impact Analysis. Soil vapor sampling for PFAS is not required.

Field Sampling Procedures

DER-10 specifies technical guidance applicable to DER's remedial programs. Given the prevalence and use of PFAS, DER has developed "best management practices" specific to sampling for PFAS. As specified in DER-10 Chapter 2, quality assurance procedures are to be submitted with investigation work plans. Typically, these procedures are incorporated into a work plan, or submitted as a stand-alone document (e.g., a Quality Assurance Project Plan). Quality assurance guidelines for PFAS are listed in Appendix A - Quality Assurance Project Plan (QAPP) Guidelines for PFAS.

Field sampling for PFAS performed under DER remedial programs should follow the appropriate procedures outlined for soils, sediments, or other solids (Appendix B), non-potable groundwater (Appendix C), surface water (Appendix D), public or private water supply wells (Appendix E), and fish tissue (Appendix F).

QA/QC samples (e.g. duplicates, MS/MSD) should be collected as specified in DER-10, Section 2.3(c). For sampling equipment coming in contact with aqueous samples only, rinsate or equipment blanks should be collected. Equipment blanks should be collected at a minimum frequency of one per day per site or one per twenty samples, whichever is more frequent.

Analysis and Reporting

The investigation work plan should describe analysis and reporting procedures, including laboratory analytical procedures for the methods discussed below. As specified in DER-10 Section 2.2, laboratories should provide a full Category B deliverable. In addition, a Data Usability Summary Report (DUSR) should be prepared by an independent, third-party data validator. Electronic data submissions should meet the requirements provided at: https://www.dec.ny.gov/chemical/62440.html.

DER has developed a *PFAS Analyte List* (Appendix G) for remedial programs to understand the nature of contamination at sites. It is expected that reported results for PFAS will include, at a minimum, all the compounds listed. If lab and/or matrix specific issues are encountered for any analytes, the DER project manager, in consultation with the DER chemist, will make case-by-case decisions as to whether certain analytes may be temporarily or permanently discontinued from analysis at each site. As with other contaminants that are analyzed for at a site, the *PFAS Analyte List* may be refined for future sampling events based on investigative findings.

Routine Analysis

EPA Method 1633 is the procedure to use for environmental samples. Reporting limits for PFOA and PFOS in aqueous samples should not exceed 2 ng/L. Reporting limits for PFOA and PFOS in solid samples should not exceed 0.5 µg/kg. Reporting limits for all other PFAS in aqueous and solid media should be as close to these limits as possible. If laboratories indicate that they are not able to achieve these reporting limits for the entire *PFAS Analyte List*, site-specific decisions regarding acceptance of elevated reporting limits for specific PFAS can be made by the DER project manager in consultation with the DER chemist. Data review guidelines were developed by DER to ensure data comparability and usability (Appendix H - Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids).

Additional Analysis

Additional laboratory methods for analysis of PFAS may be warranted at a site, such as the Synthetic Precipitation Leaching Procedure (SPLP) and Total Oxidizable Precursor Assay (TOP Assay).

In cases where site-specific cleanup objectives for PFOA and PFOS are to be assessed, soil parameters, such as Total Organic Carbon (Lloyd Kahn), soil pH (EPA Method 9045), clay content (percent), and cation exchange capacity (EPA Method 9081), should be included in the analysis to help evaluate factors affecting the leachability of PFAS in site soils.

SPLP is a technique used to determine the mobility of chemicals in liquids, soils and wastes, and may be useful in determining the need for addressing PFAS-containing material as part of the remedy. SPLP by EPA Method 1312 should be used unless otherwise specified by the DER project manager in consultation with the DER chemist.

Impacted materials can be made up of PFAS that are not analyzable by routine analytical methodology. A TOP Assay can be utilized to conceptualize the amount and type of oxidizable PFAS which could be liberated in the environment, which approximates the maximum concentration of perfluoroalkyl substances that could be generated if all polyfluoroalkyl substances were oxidized. For example, some polyfluoroalkyl substances may degrade or transform to form perfluoroalkyl substances (such as PFOA or PFOS), resulting in an increase in perfluoroalkyl substance concentrations as contaminated groundwater moves away from a source. The TOP Assay converts, through oxidation, polyfluoroalkyl substances (precursors) into perfluoroalkyl substances that can be detected by routine analytical methodology.[1]

[1] TOP Assay analysis of highly contaminated samples, such as those from an AFFF (aqueous film-forming foam) site, can result in incomplete oxidation of the samples and an underestimation of the total perfluoroalkyl substances.

Commercial laboratories have adopted methods which allow for the quantification of targeted PFAS in air and biota. The EPA's Office of Research and Development (ORD) is currently developing methods which allow for air emissions characterization of PFAS, including both targeted and non-targeted analysis of PFAS. Consult with the DER project manager and the DER chemist for assistance on analyzing biota/tissue and air samples.

Data Assessment and Application to Site Cleanup

Until such time as Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Preliminary target levels for cleanup of PFOA and PFOS in other media, including biota and sediment, have not yet been established by the DEC.

Water Sample Results

NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS. Groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS. These human health criteria should also be applied to surface water that is used as a water supply. This guidance also includes criteria for surface water for PFOS applicable for aquatic life, which may be applicable at some sites. Drinking water sample results should be compared to the NYS maximum contaminant level (MCL) of 10 ng/l (ppt). Analysis to determine if PFOA and PFOS concentrations are attributable to the site should include a comparison between upgradient and downgradient levels, and the presence of soil source areas, as defined below.

If PFOA and/or PFOS are identified as contaminants of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.

Soil Sample Results

NYSDEC will delay adding soil cleanup objectives for PFOA and PFOS to 6 NYCRR Part 375-6 until the PFAS rural soil background study has been completed. Until SCOs are in effect, the following are to be used as guidance values:

Guidance Values for Anticipated Site Use	PFOA (ppb)	PFOS (ppb)
Unrestricted	0.66	0.88
Residential	6.6	8.8
Restricted Residential	33	44
Commercial	500	440
Industrial	600	440
Protection of Groundwater[2]	0.8	1.0

PFOA and PFOS results for soil are to be compared against the guidance values listed above. These guidance values are to be used in determining whether PFOA and PFOS are contaminants of concern for the site and for determining remedial action objectives and cleanup requirements. Site-specific remedial objectives for protection of groundwater can also be presented for evaluation by DEC. Development of site-specific remedial objectives for protection of groundwater will require analysis of additional soil parameters relating to leachability. These

[2] The Protection of Groundwater values are based on the above referenced ambient groundwater guidance values. Details on that calculation are available in the following document, prepared for the February 2022 proposed changes to Part 375 (https://www.dec.ny.gov/docs/remediation_hudson_pdf/part375techsupport.pdf). The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).

additional analyses can include any or all the parameters listed above (soil pH, cation exchange capacity, etc.) and/or use of SPLP.

As the understanding of PFAS transport improves, DEC welcomes proposals for site-specific remedial objectives for protection of groundwater. DEC will expect that those may be dependent on additional factors including soil pH, aqueous pH, % organic carbon, % Sand/Silt/Clay, soil cations: K, Ca, Mg, Na, Fe, Al, cation exchange capacity, and anion exchange capacity. Site-specific remedial objectives should also consider the dilution attenuation factor (DAF). The NJDEP publication on DAF can be used as a reference: https://www.nj.gov/dep/srp/guidance/rs/daf.pdf.

Testing for Imported Soil

Testing for PFAS should be included any time a full TAL/TCL analyte list is required. Results for PFOA and PFOS should be compared to the applicable guidance values. If PFOA or PFOS is detected in any sample at or above the guidance values then the source of backfill should be rejected, unless a site-specific exemption is provided by DER based on SPLP testing, for example. If the concentrations of PFOA and PFOS in leachate are at or above the ambient water quality guidance values for groundwater, then the soil is not acceptable.

PFOA, PFOS and 1,4-dioxane are all considered semi-volatile compounds, so composite samples are appropriate for these compounds when sampling in accordance with DER-10, Table 5.4(e)10. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.

Appendix A - Quality Assurance Project Plan (QAPP) Guidelines for PFAS

The following guidelines (general and PFAS-specific) can be used to assist with the development of a QAPP for projects within DER involving sampling and analysis of PFAS.

General Guidelines in Accordance with DER-10

- Document/work plan section title – Quality Assurance Project Plan
- Summarize project scope, goals, and objectives
- Provide project organization including names and resumes of the project manager, Quality Assurance Officer (QAO), field staff, and Data Validator
    - The QAO should not have another position on the project, such as project or task manager, that involves project productivity or profitability as a job performance criterion
- List the ELAP certified lab(s) to be used for analysis of samples
- Include a site map showing sample locations
- Provide detailed sampling procedures for each matrix
- Include Data Quality Usability Objectives
- List equipment decontamination procedures
- Include an "Analytical Methods/Quality Assurance Summary Table" specifying:
    - Matrix type
    - Number or frequency of samples to be collected per matrix
    - Number of field and trip blanks per matrix
    - Analytical parameters to be measured per matrix
    - Analytical methods to be used per matrix with minimum reporting limits
    - Number and type of matrix spike and matrix spike duplicate samples to be collected
    - Number and type of duplicate samples to be collected
    - Sample preservation to be used per analytical method and sample matrix
    - Sample container volume and type to be used per analytical method and sample matrix
    - Sample holding time to be used per analytical method and sample matrix
- Specify Category B laboratory data deliverables and preparation of a DUSR

Specific Guidelines for PFAS

- Include in the text that sampling for PFAS will take place
- Include in the text that PFAS will be analyzed by EPA Method 1633
- Include the list of PFAS compounds to be analyzed (*PFAS Analyte List*)
- Include the laboratory SOP for PFAS analysis
- List the minimum method-achievable Reporting Limits for PFAS
    - Reporting Limits should be less than or equal to:
        - Aqueous – 2 ng/L (ppt)
        - Solids – 0.5 µg/kg (ppb)
- Include the laboratory Method Detection Limits for the PFAS compounds to be analyzed
-
- Include detailed sampling procedures
    - Precautions to be taken
    - Pump and equipment types
    - Decontamination procedures
    - Approved materials only to be used
- Specify that regular ice only will be used for sample shipment
- Specify that equipment blanks should be collected at a minimum frequency of 1 per day per site for each matrix

Appendix B - Sampling Protocols for PFAS in Soils, Sediments and Solids

General

The objective of this protocol is to give general guidelines for the collection of soil, sediment and other solid samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Containers

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in to contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel spoon
- stainless steel bowl
- steel hand auger or shovel without any coatings

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Sampling is often conducted in areas where a vegetative turf has been established. In these cases, a pre-cleaned trowel or shovel should be used to carefully remove the turf so that it may be replaced at the conclusion of sampling. Surface soil samples (e.g. 0 to 6 inches below surface) should then be collected using a pre-cleaned, stainless steel spoon. Shallow subsurface soil samples (e.g. 6 to ~36 inches below surface) may be collected by digging a hole using a pre-cleaned hand auger or shovel. When the desired subsurface depth is reached, a pre-cleaned hand auger or spoon shall be used to obtain the sample.

When the sample is obtained, it should be deposited into a stainless steel bowl for mixing prior to filling the sample containers. The soil should be placed directly into the bowl and mixed thoroughly by rolling the material into the middle until the material is homogenized. At this point the material within the bowl can be placed into the laboratory provided container.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A soil log or sample log shall document the location of the sample/borehole, depth of the sample, sampling equipment, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix C - Sampling Protocols for PFAS in Monitoring Wells

General

The objective of this protocol is to give general guidelines for the collection of groundwater samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include: stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including plumbers tape and sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel inertia pump with HDPE tubing
- peristaltic pump equipped with HDPE tubing and silicone tubing
- stainless steel bailer with stainless steel ball
- bladder pump (identified as PFAS-free) with HDPE tubing

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Monitoring wells should be purged in accordance with the sampling procedure (standard/volume purge or low flow purge) identified in the site work plan, which will determine the appropriate time to collect the sample. If sampling using standard purge techniques, additional purging may be needed to reduce turbidity levels, so samples contain a limited amount of sediment within the sample containers. Sample containers that contain sediment may cause issues at the laboratory, which may result in elevated reporting limits and other issues during the sample preparation that can compromise data usability. Sampling personnel should don new nitrile gloves prior to sample collection due to the potential to contact PFAS containing items (not related to the sampling equipment) during the purging activities.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Collect one equipment blank per day per site and minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers
- Additional equipment blank samples may be collected to assess other equipment that is utilized at the monitoring well
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A purge log shall document the location of the sample, sampling equipment, groundwater parameters, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix D - Sampling Protocols for PFAS in Surface Water

General

The objective of this protocol is to give general guidelines for the collection of surface water samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include: stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel cup

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Where conditions permit, (e.g. creek or pond) sampling devices (e.g. stainless steel cup) should be rinsed with site medium to be sampled prior to collection of the sample. At this point the sample can be collected and poured into the sample container.

If site conditions permit, samples can be collected directly into the laboratory container.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Collect one equipment blank per day per site and minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A sample log shall document the location of the sample, sampling equipment, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix E - Sampling Protocols for PFAS in Private Water Supply Wells

General

The objective of this protocol is to give general guidelines for the collection of water samples from private water supply wells (with a functioning pump) for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Drinking water samples collected using this protocol are intended to be analyzed for PFAS by EPA Method 537, 537.1, 533, or ISO Method 25101. The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials (e.g. plumbers tape), including sample bottle cap liners with a PTFE layer.

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Locate and assess the pressure tank and determine if any filter units are present within the building. Establish the sample location as close to the well pump as possible, which is typically the spigot at the pressure tank. Ensure sampling equipment is kept clean during sampling as access to the pressure tank spigot, which is likely located close to the ground, may be obstructed and may hinder sample collection.

Prior to sampling, a faucet downstream of the pressure tank (e.g., washroom sink) should be run until the well pump comes on and a decrease in water temperature is noted which indicates that the water is coming from the well. If the homeowner is amenable, staff should run the water longer to purge the well (15+ minutes) to provide a sample representative of the water in the formation rather than standing water in the well and piping system including the pressure tank. At this point a new pair of nitrile gloves should be donned and the sample can be collected from the sample point at the pressure tank.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- If equipment was used, collect one equipment blank per day per site and a minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers.
- A field reagent blank (FRB) should be collected at a rate of one per 20 samples. The lab will provide a FRB bottle containing PFAS free water and one empty FRB bottle. In the field, pour the water from the one bottle into the empty FRB bottle and label appropriately.
- Request appropriate data deliverable (Category B) and an electronic data deliverable
- For sampling events where multiple private wells (homes or sites) are to be sampled per day, it is acceptable to collect QC samples at a rate of one per 20 across multiple sites or days.

Documentation

A sample log shall document the location of the private well, sample point location, owner contact information, sampling equipment, purge duration, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate and available (e.g. well construction, pump type and location, yield, installation date). Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appendix F - Sampling Protocols for PFAS in Fish

This appendix contains a copy of the current SOP developed by the Division of Fish and Wildlife (DFW) entitled "General Fish Handling Procedures for Contaminant Analysis" (Ver. 8). This SOP should be followed when collecting fish for contaminant analysis. Note, however, that the Bureau of Ecosystem Health will not be supplying bags or tags. All supplies are the responsibility of the collector

Procedure Name: General Fish Handling Procedures for Contaminant Analysis

Number: FW-005

Purpose: This procedure describes data collection, fish processing and delivery of fish collected for contaminant monitoring. It contains the chain of custody and collection record forms that should be used for the collections.

Organization: Environmental Monitoring Section
Bureau of Ecosystem Health
Division of Fish and Wildlife (DFW)
New York State Department of Environmental Conservation (NYSDEC)
625 Broadway
Albany, New York 12233-4756

Version: 8

Previous Version Date: 21 March 2018

Summary of Changes to this Version: Updated bureau name to Bureau of Ecosystem Health. Added direction to list the names of all field crew on the collection record. Minor formatting changes on chain of custody and collection records.

Originator or Revised by: Wayne Richter, Jesse Becker

Date: 26 April 2019

Quality Assurance Officer and Approval Date: Jesse Becker, 26 April 2019

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

GENERAL FISH HANDLING PROCEDURES FOR CONTAMINANT ANALYSES

A. Original copies of all continuity of evidence (i.e., Chain of Custody) and collection record forms must accompany delivery of fish to the lab. A copy shall be directed to the Project Leader or as appropriate, Wayne Richter. All necessary forms will be supplied by the Bureau of Ecosystem Health. Because some samples may be used in legal cases, it is critical that each section is filled out completely. Each Chain of Custody form has three main sections:

   1. The top box is to be filled out **and signed** by the person responsible for the fish collection (e.g., crew leader, field biologist, researcher). This person is responsible for delivery of the samples to DEC facilities or personnel (e.g., regional office or biologist).

   2. The second section is to be filled out **and signed** by the person responsible for the collections while being stored at DEC, before delivery to the analytical lab. This may be the same person as in (1), but it is still required that they complete the section. Also important is the **range of identification numbers** (i.e., tag numbers) included in the sample batch.

   3. Finally, the bottom box is to record any transfers between DEC personnel and facilities. Each subsequent transfer should be **identified, signed, and dated**, until laboratory personnel take possession of the fish.

B. The following data are required on each **Fish Collection Record** form:

   1. Project and Site Name.

   2. DEC Region.

   3. All personnel (and affiliation) involved in the collection.

   4. Method of collection (gill net, hook and line, etc.)

   5. Preservation Method.

C. The following data are to be taken on each fish collected and recorded on the **Fish Collection Record** form:

   1. Tag number - Each specimen is to be individually jaw tagged at time of collection with a unique number. Make sure the tag is turned out so that the number can be read without opening the bag. Use tags in sequential order. For small fish or composite samples place the tag inside the bag with the samples. The Bureau of Ecosystem Health can supply the tags.

   2. Species identification (please be explicit enough to enable assigning genus and species). Group fish by species when processing.

   3. Date collected.

   4. Sample location (waterway and nearest prominent identifiable landmark).

   5. Total length (nearest mm or smallest sub-unit on measuring instrument) and weight (nearest g or

smallest sub-unit of weight on weighing instrument). Take all measures as soon as possible with calibrated, protected instruments (e.g. from wind and upsets) and prior to freezing.

6. Sex - fish may be cut enough to allow sexing or other internal investigation, but do not eviscerate. Make any incision on the right side of the belly flap or exactly down the midline so that a left-side fillet can be removed.

D. General data collection recommendations:

1. It is helpful to use an ID or tag number that will be unique. It is best to use metal striped bass or other uniquely numbered metal tags. If uniquely numbered tags are unavailable, values based on the region, water body and year are likely to be unique: for example, R7CAY11001 for Region 7, Cayuga Lake, 2011, fish 1. If the fish are just numbered 1 through 20, we have to give them new numbers for our database, making it more difficult to trace your fish to their analytical results and creating an additional possibility for errors.

2. Process and record fish of the same species sequentially. Recording mistakes are less likely when all fish from a species are processed together. Starting with the bigger fish species helps avoid missing an individual.

3. If using Bureau of Ecosystem Health supplied tags or other numbered tags, use tags in sequence so that fish are recorded with sequential Tag Numbers. This makes data entry and login at the lab and use of the data in the future easier and reduces keypunch errors.

4. Record length and weight as soon as possible after collection and before freezing. Other data are recorded in the field upon collection. An age determination of each fish is optional, but if done, it is recorded in the appropriate “Age” column.

5. For composite samples of small fish, record the number of fish in the composite in the Remarks column. Record the length and weight of each individual in a composite. All fish in a composite sample should be of the same species and members of a composite should be visually matched for size.

6. Please submit photocopies of topographic maps or good quality navigation charts indicating sampling locations. GPS coordinates can be entered in the Location column of the collection record form in addition to or instead for providing a map. These records are of immense help to us (and hopefully you) in providing documented location records which are not dependent on memory and/or the same collection crew. In addition, they may be helpful for contaminant source trackdown and remediation/control efforts of the Department.

7. When recording data on fish measurements, it will help to ensure correct data recording for the data recorder to call back the numbers to the person making the measurements.

E. Each fish is to be placed in its own individual plastic bag. For small fish to be analyzed as a composite, put all of the fish for one composite in the same bag but use a separate bag for each composite. It is important to individually bag the fish to avoid difficulties or cross contamination when processing the fish for chemical analysis. Be sure to include the fish’s tag number inside the bag, preferably attached to the fish with the tag number turned out so it can be read. Tie or otherwise secure the bag closed. **The Bureau of Ecosystem Health will supply the bags.** If necessary, food grade bags may be procured from a suitable vendor (e.g., grocery store). It is preferable to redundantly label each bag with a manila tag tied between the knot and the body of the bag. This tag should be labeled with the project name, collection location, tag number, collection date, and fish species. If scales are collected, the scale envelope should be labeled with

the same information.

F. Groups of fish, by species, are to be placed in one large plastic bag per sampling location. **The Bureau of Ecosystem Health will supply the larger bags.** Tie or otherwise secure the bag closed. Label the site bag with a manila tag tied between the knot and the body of the bag. The tag should contain: project, collection location, collection date, species and **tag number ranges**. Having this information on the manila tag enables lab staff to know what is in the bag without opening it.

G. Do not eviscerate, fillet or otherwise dissect the fish unless specifically asked to. If evisceration or dissection is specified, the fish must be cut along the exact midline or on the right side so that the left side fillet can be removed intact at the laboratory. If filleting is specified, the procedure for taking a standard fillet (SOP PREPLAB 4) must be followed, including removing scales.

H. Special procedures for PFAS: Unlike legacy contaminants such as PCBs, which are rarely found in day to day life, PFAS are widely used and frequently encountered. Practices that avoid sample contamination are therefore necessary. While no standard practices have been established for fish, procedures for water quality sampling can provide guidance. The following practices should be used for collections when fish are to be analyzed for PFAS:

No materials containing Teflon.
No Post-it notes.
No ice packs; only water ice or dry ice.
Any gloves worn must be powder free nitrile.
No Gore-Tex or similar materials (Gore-Tex is a PFC with PFOA used in its manufacture).
No stain repellent or waterproof treated clothing; these are likely to contain PFCs.
Avoid plastic materials, other than HDPE, including clipboards and waterproof notebooks.
Wash hands after handling any food containers or packages as these may contain PFCs.
Keep pre-wrapped food containers and wrappers isolated from fish handling.
Wear clothing washed at least six times since purchase.
Wear clothing washed without fabric softener.
Staff should avoid cosmetics, moisturizers, hand creams and similar products on the day of sampling as many of these products contain PFCs (Fujii et al. 2013). Sunscreen or insect repellent should not contain ingredients with “fluor” in their name. Apply any sunscreen or insect repellent well downwind from all materials. Hands must be washed after touching any of these products.

I. All fish must be kept at a temperature <45° F (<8° C) immediately following data processing. As soon as possible, freeze at -20° C ± 5° C. Due to occasional freezer failures, daily freezer temperature logs are required. The freezer should be locked or otherwise secured to maintain chain of custody.

J. In most cases, samples should be delivered to the Analytical Services Unit at the Hale Creek field station. Coordinate delivery with field station staff and send copies of the collection records, continuity of evidence forms and freezer temperature logs to the field station. For samples to be analyzed elsewhere, non-routine collections or other questions, contact Wayne Richter, Bureau of Ecosystem Health, NYSDEC, 625 Broadway, Albany, New York 12233-4756, 518-402-8974, or the project leader about sample transfer. Samples will then be directed to the analytical facility and personnel noted on specific project descriptions.

K. A recommended equipment list is at the end of this document.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF FISH AND WILDLIFE
FISH COLLECTION RECORD

Project and Site Name _____ DEC Region _____

Collections made by (include all crew) _____

Sampling Method: □Electrofishing □Gill netting □Trap netting □Trawling □Seining □Angling □Other _____

Preservation Method: □Freezing □Other _____ Notes (SWFDB survey number): _____

FOR LAB USE ONLY- LAB ENTRY NO.	COLLECTION OR TAG NO.	SPECIES	DATE TAKEN	LOCATION	AGE	SEX &/OR REPROD. CONDIT	LENGTH ( )	WEIGHT ( )	REMARKS

richter: revised 2011, 5/7/15, 10/4/16, 3/20/17; becker: 3/23/17, 4/26/19

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CHAIN OF CUSTODY

I, _____, of _____ collected the
(Print Name) (Print Business Address)

following on _____, 20____ from _____
(Date) (Water Body)

in the vicinity of _____
(Landmark, Village, Road, etc.)

Town of _____, in _____ County.

Item(s) _____

_____

Said sample(s) were in my possession and handled according to standard procedures provided to me prior to collection. The sample(s) were placed in the custody of a representative of the New York State Department of Environmental Conservation on _____, 20_____.

_____ _____
Signature Date

I, _____, received the above mentioned sample(s) on the date specified and assigned identification number(s) _____ to the sample(s). I have recorded pertinent data for the sample(s) on the attached collection records. The sample(s) remained in my custody until subsequently transferred, prepared or shipped at times and on dates as attested to below.

_____ _____
Signature Date

SECOND RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
THIRD RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
FOURTH RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
RECEIVED IN LABORATORY BY (Print Name)	TIME & DATE	REMARKS
SIGNATURE	UNIT	
LOGGED IN BY (Print Name)	TIME & DATE	ACCESSION NUMBERS
SIGNATURE	UNIT	

richter: revised 21 April 2014; becker: 23 March 2017, 26 April, 2019

NOTICE OF WARRANTY

By signature to the chain of custody (reverse), the signatory warrants that the information provided is truthful and accurate to the best of his/her ability. The signatory affirms that he/she is willing to testify to those facts provided and the circumstances surrounding the same. Nothing in this warranty or chain of custody negates responsibility nor liability of the signatories for the truthfulness and accuracy of the statements provided.

HANDLING INSTRUCTIONS

On day of collection, collector(s) name(s), address(es), date, geographic location of capture (attach a copy of topographic map or navigation chart), species, number kept of each species, and description of capture vicinity (proper noun, if possible) along with name of Town and County must be indicated on reverse.

Retain organisms in manila tagged plastic bags to avoid mixing capture locations. Note appropriate information on each bag tag.

Keep samples as cool as possible. Put on ice if fish cannot be frozen within 12 hours. If fish are held more than 24 hours without freezing, they will not be retained or analyzed.

Initial recipient (either DEC or designated agent) of samples from collector(s) is responsible for obtaining and recording information on the collection record forms which will accompany the chain of custody. This person will seal the container using packing tape and writing his signature, the time and the date across the tape onto the container with indelible marker. Any time a seal is broken, for whatever purpose, the incident must be recorded on the Chain of Custody (reason, time, and date) in the purpose of transfer block. Container then is resealed using new tape and rewriting signature, with time and date.

EQUIPMENT LIST

Scale or balance of appropriate capacity for the fish to be collected.

Fish measuring board.

Plastic bags of an appropriate size for the fish to be collected and for site bags.

Individually numbered metal tags for fish.

Manila tags to label bags.

Small envelops, approximately 2” x 3.5”, if fish scales are to be collected.

Knife for removing scales.

Chain of custody and fish collection forms.

Clipboard.

Pens or markers.

Paper towels.

Dish soap and brush.

Bucket.

Cooler.

Ice.

Duct tape.

Appendix G – PFAS Analyte List

Group	Chemical Name	Abbreviation	CAS Number
Perfluoroalkyl sulfonic acids	Perfluorobutanesulfonic acid	PFBS	375-73-5
	Perfluoropentanesulfonic acid	PFPeS	2706-91-4
	Perfluorohexanesulfonic acid	PFHxS	355-46-4
	Perfluoroheptanesulfonic acid	PFHpS	375-92-8
	Perfluorooctanesulfonic acid	PFOS	1763-23-1
	Perfluorononanesulfonic acid	PFNS	68259-12-1
	Perfluorodecanesulfonic acid	PFDS	335-77-3
	Perfluorododecanesulfonic acid	PFDoS	79780-39-5
Perfluoroalkyl carboxylic acids	Perfluorobutanoic acid	PFBA	375-22-4
	Perfluoropentanoic acid	PFPeA	2706-90-3
	Perfluorohexanoic acid	PFHxA	307-24-4
	Perfluoroheptanoic acid	PFHpA	375-85-9
	Perfluorooctanoic acid	PFOA	335-67-1
	Perfluorononanoic acid	PFNA	375-95-1
	Perfluorodecanoic acid	PFDA	335-76-2
	Perfluoroundecanoic acid	PFUnA	2058-94-8
	Perfluorododecanoic acid	PFDoA	307-55-1
	Perfluorotridecanoic acid	PFTrDA	72629-94-8
	Perfluorotetradecanoic acid	PFTeDA	376-06-7
Per- and Polyfluoroether carboxylic acids	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6
	4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1
	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5
	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6
Fluorotelomer sulfonic acids	4:2 Fluorotelomer sulfonic acid	4:2-FTS	757124-72-4
	6:2 Fluorotelomer sulfonic acid	6:2-FTS	27619-97-2
	8:2 Fluorotelomer sulfonic acid	8:2-FTS	39108-34-4
Fluorotelomer carboxylic acids	3:3 Fluorotelomer carboxylic acid	3:3 FTCA	356-02-5
	5:3 Fluorotelomer carboxylic acid	5:3 FTCA	914637-49-3
	7:3 Fluorotelomer carboxylic acid	7:3 FTCA	812-70-4
Perfluorooctane sulfonamides	Perfluorooctane sulfonamide	PFOSA	754-91-6
	N-methylperfluorooctane sulfonamide	NMeFOSA	31506-32-8
	N-ethylperfluorooctane sulfonamide	NEtFOSA	4151-50-2
Perfluorooctane sulfonamidoacetic acids	N-methylperfluorooctane sulfonamidoacetic acid	N-MeFOSAA	2355-31-9
	N-ethylperfluorooctane sulfonamidoacetic acid	N-EtFOSAA	2991-50-6
Perfluorooctane sulfonamide ethanols	N-methylperfluorooctane sulfonamidoethanol	MeFOSE	24448-09-7
	N-ethylperfluorooctane sulfonamidoethanol	EtFOSE	1691-99-2

Group	Chemical Name	Abbreviation	CAS Number
Ether sulfonic acids	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (F-53B Major)	9Cl-PF3ONS	756426-58-1
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (F-53B Minor)	11Cl-PF3OUdS	763051-92-9
	Perfluoro(2-ethoxyethane) sulfonic acid	PFEESA	113507-82-7

Appendix H - Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids

General

These guidelines are intended to be used for the validation of PFAS using EPA Method 1633 for projects within the Division of Environmental Remediation (DER). Data reviewers should understand the methodology and techniques utilized in the analysis. Consultation with the end user of the data may be necessary to assist in determining data usability based on the data quality objectives in the Quality Assurance Project Plan. A familiarity with the laboratory's Standard Operating Procedure may also be needed to fully evaluate the data. If you have any questions, please contact DER's Quality Assurance Officer, Dana Barbarossa, at dana.barbarossa@dec.ny.gov.

Preservation and Holding Time

Samples should be preserved with ice to a temperature of less than 6°C upon arrival at the lab. The holding time is 28 days to extraction for aqueous and solid samples. The time from extraction to analysis for aqueous samples is 28 days and 40 days for solids.

Temperature greatly exceeds 6ºC upon arrival at the lab*	Use professional judgement to qualify detects and non-detects as estimated or rejected
Holding time exceeding 28 days to extraction	Use professional judgement to qualify detects and non-detects as estimated or rejected if holding time is grossly exceeded

*Samples that are delivered to the lab immediately after sampling may not meet the thermal preservation guidelines. Samples are considered acceptable if they arrive on ice or an attempt to chill the samples is observed.

Initial Calibration

The initial calibration should contain a minimum of six standards for linear fit and six standards for a quadratic fit. The relative standard deviation (RSD) for a quadratic fit calibration should be less than 20%.

The low-level calibration standard should be within 50% - 150% of the true value, and the mid-level calibration standard within 70% - 130% of the true value.

%RSD >20%	J flag detects and UJ non detects

Continuing Calibration Verification

Continuing calibration verification (CCV) checks should be analyzed at a frequency of one per ten field samples. If CCV recovery is very low, where detection of the analyte could be in question, ensure a low level CCV was analyzed and use to determine data quality.

CCV recovery <70 or >130%	J flag results

Blanks

There should be no detections in the method blanks above the reporting limits. Equipment blanks, field blanks, rinse blanks etc. should be evaluated in the same manner as method blanks. Use the most contaminated blank to evaluate the sample results.

Blank Result	Sample Result	Qualification
Any detection	<Reporting limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting limit	>Reporting limit and <10x blank result	J+ biased high

Field Duplicates

A blind field duplicate should be collected at rate of one per twenty samples. The relative percent difference (RPD) should be less than 30% for analyte concentrations greater than two times the reporting limit. Use the higher result for final reporting.

RPD >30%	Apply J qualifier to parent sample

Lab Control Spike

Lab control spikes should be analyzed with each extraction batch or one for every twenty samples. In the absence of lab derived criteria, use 70% - 130% recovery criteria to evaluate the data.

Recovery <70% or >130% (lab derived criteria can also be used)	Apply J qualifier to detects and UJ qualifier to non detects

Matrix Spike/Matrix Spike Duplicate

One matrix spike and matrix spike duplicate should be collected at a rate of one per twenty samples. Use professional judgement to reject results based on out of control MS/MSD recoveries.

Recovery <70% or >130% (lab derived criteria can also be used)	Apply J qualifier to detects and UJ qualifier to non detects of parent sample only
RPD >30%	Apply J qualifier to detects and UJ qualifier to non detects of parent sample only

Extracted Internal Standards (Isotope Dilution Analytes)

Problematic analytes (e.g. PFBA, PFPeA, fluorotelomer sulfonates) can have wider recoveries without qualification. Qualify corresponding native compounds with a J flag if outside of the range.

Recovery <50% or >150%	Apply J qualifier
Recovery <25% or >150% for poor responding analytes	Apply J qualifier
Isotope Dilution Analyte (IDA) Recovery <10%	Reject results

Signal to Noise Ratio

The signal to noise ratio for the quantifier ion should be at least 3:1. If the ratio is less than 3:1, the peak is discernable from the baseline noise and symmetrical, the result can be reported. If the peak appears to be baseline noise and/or the shape is irregular, qualify the result as tentatively identified.

Reporting Limits

If project-specific reporting limits were not met, please indicate that in the report along with the reason (e.g. over dilution, dilution for non-target analytes, high sediment in aqueous samples).

Peak Integrations

Target analyte peaks should be integrated properly and consistently when compared to standards. Ensure branched isomer peaks are included for PFAS where standards are available. Inconsistencies should be brought to the attention of the laboratory or identified in the data review summary report.

ATTACHMENT 3

Roux's Standard Operating Procedures

Date: May 5, 2000

1.0 PURPOSE

The purpose for this standard operating procedure (SOP) is to establish the guidelines for decontamination of all field equipment potentially exposed to contamination during drilling, and soil and water sampling. The objective of decontamination is to ensure that all drilling, and soil-sampling and water-sampling equipment is decontaminated (free of potential contaminants): 1) prior to being brought onsite to avoid the introduction of potential contaminants to the site; 2) between drilling and sampling events/activities onsite to eliminate the potential for cross-contamination between boreholes and/or wells; and 3) prior to the removal of equipment from the site to prevent the transportation of potentially contaminated equipment offsite.

In considering decontamination procedures, state and federal regulatory agency requirements must be considered because of potential variability between state and federal requirements and because of variability in the requirements of individual states. Decontamination procedures must be in compliance with state and/or federal protocols in order that regulatory agency(ies) scrutiny of the procedures and data collected do not result in non-acceptance (invalidation) of the work undertaken and data collected.

2.0 PROCEDURE FOR DRILLING EQUIPMENT

The following is a minimum decontamination procedure for drilling equipment. Drilling equipment decontamination procedures, especially any variation from the method itemized below, will be documented on an appropriate field form or in the field notebook.

2.1 The rig and all associated equipment should be properly decontaminated by the contractor before arriving at the test site.

2.2 The augers, drilling casings, rods, samplers, tools, rig, and any piece of equipment that can come in contact (directly or indirectly) with the soil, will be steam cleaned onsite prior to set up for drilling to ensure proper decontamination.

2.3 The same steam cleaning procedures will be followed between boreholes (at a fixed on-site location[s], if appropriate) and before leaving the site at the end of the study.

2.4 All on-site steam cleaning (decontamination) activities will be monitored and documented by a member(s) of the staff of Roux Associates, Inc.

2.5 If drilling activities are conducted in the presence of thick, sticky oils (e.g., PCBs) which coat drilling equipment, then special decontamination procedures may have to be utilized before steam cleaning (e.g., hexane scrub and wash).

2.6 Containment of decontamination fluids may be necessary (e.g., rinseate from steam cleaning) or will be required (e.g., hexane), and disposal must be in accordance with state and/or federal procedures.

3.0 PROCEDURE FOR SOIL-SAMPLING EQUIPMENT

The following is a minimum decontamination procedure for soil-sampling equipment (e.g., split spoons, stainless-steel spatulas). Soil-sampling equipment decontamination procedures, especially any variation from the method itemized below, will be documented on an appropriate field form or in the field notebook.

3.1 Wear disposable gloves while cleaning equipment to avoid cross-contamination and change gloves as needed.

3.2 Steam clean the sampler or rinse with potable water. If soil-sampling activities are conducted in the presence of thick, sticky oils (e.g., PCBs) which coat sampling equipment, then special decontamination procedures may have to be utilized before steam cleaning and washing in detergent solution (e.g., hexane scrub and wash).

3.3 Prepare a non-phosphate, laboratory-grade detergent solution and distilled or potable water in a clean bucket.

3.4 Disassemble the sampler, as necessary and immerse all parts and other sampling equipment in the solution.

3.5 Scrub all equipment in the bucket with a brush to remove any adhering particles.

3.6 Rinse all equipment with copious amounts of potable water followed by distilled or deionized water.

3.7 Place clean equipment on a clean plastic sheet (e.g., polyethylene)

3.8 Reassemble the cleaned sampler, as necessary.

3.9 Transfer the sampler to the driller (or helper) making sure that this individual is also wearing clean gloves or wrap the equipment with a suitable material (e.g., plastic bag, aluminum foil.

As part of the decontamination procedure for soil-sampling equipment, state and/or federal protocols must be considered. These may require procedures above those specified as minimum for Roux Associates, Inc., such as the use of nitric acid, acetone, etc. Furthermore, the containment and proper disposal of decontamination fluids must be considered with respect to regulatory agency(ies) requirements.

4.0 PROCEDURE FOR WATER-SAMPLING EQUIPMENT

The following is a decontamination procedure for water-sampling equipment (e.g., bailers, pumps). Water-sampling equipment decontamination procedures, especially any variation from the method itemized below, will be documented on an appropriate field form or in the field notebook.

4.1 Decontamination procedures for bailers follow:

a. Wear disposable gloves while cleaning bailer to avoid cross-contamination and change gloves as needed.

b. Prepare a non-phosphate, laboratory-grade detergent solution and potable water in a bucket.

c. Disassemble bailer (if applicable) and discard cord in an appropriate manner and scrub each part of the bailer with a brush and solution.

d. Rinse with potable water and reassemble bailer.

e. Rinse with copious amounts of distilled or deionized water.

f. Air dry.

g. Wrap equipment with a suitable material (e.g., clean plastic bag, aluminum foil).

h. Rinse bailer at least three times with distilled or deionized water before use.

4.2 Decontamination procedures for pumps follow:

a. Wear disposable gloves while cleaning pump to avoid cross-contamination and change gloves as needed.

b. Prepare a non-phosphate, laboratory-grade detergent solution and potable water in a clean bucket, clean garbage can, or clean 55-gallon drum.

c. Flush the pump and discharge hose (if not disposable) with the detergent solution and discard disposable tubing and/or cord in an appropriate manner.

d. Flush the pump and discharge hose (if not disposable) with potable water.

e. Place the pump on clear plastic sheeting.

f. Wipe any pump-related equipment (e.g., electrical lines, cables, discharge hose) that entered the well with a clean cloth and detergent solution, and rinse or wipe with a clean cloth and potable water.

g. Air dry.

h. Wrap equipment with a suitable material (e.g., clean plastic bag).

As part of the decontamination procedure for water-sampling equipment, state and/or federal protocols must be considered. These may require procedures above those specified as minimum for Roux Associates, Inc., such as the use of nitric acid, acetone, etc. Furthermore, the containment and proper disposal of decontamination fluids must be considered with respect to regulatory agency(ies) requirements.

Date: May 5, 2000

1.0 PURPOSE

The purpose of this Standard Operating Procedure (SOP) is to establish guidelines for the collection of soil samples for laboratory analysis. This SOP is applicable to soil samples collected from split-spoon samplers during drilling, hand auger samples, grab samples from stockpiled soils, surface samples, test pit samples, etc.

2.0 CONSIDERATIONS

Soil samples may be collected in either a random or biased manner. Random samples can be based on a grid system or statistical methodology. Biased samples can be collected in areas of visible impact or suspected source areas. Soil samples can be collected at the surface, shallow subsurface, or at depth. When samples are collected at depth the water content should be noted, since generally "soil sampling" is restricted to the unsaturated zone. Equipment selection will be determined by the depth of the sample to be collected. A thorough description of the sampling locations and proposed methods of sample collection should be included in the work plan.

Commonly, surface sampling refers to the collection of samples at a 0 to 6-inch depth interval. Certain regulatory agencies may define the depth interval of a surface sample differently, and this must be defined in the work plan. Collection of surface soil samples is most efficiently accomplished with the use of a stainless-steel trowel or scoop. For samples at greater depths a decontaminated bucket auger or power auger may be needed to advance the hole to the point of sample collection. Another clean bucket auger should then be used to collect the sample. To collect samples at depths of greater than approximately six feet the use of a drill rig and split spoon samples will usually be necessary. In some situations, sample locations are accessed with the use of a backhoe.

3.0 MATERIALS/EQUIPMENT

a. A work plan which outlines soil sampling requirements.

b. Field notebook, field form(s), maps, chain-of-custody forms, and custody seals.

c. Decontamination supplies (including: non-phosphate, laboratory grade detergent, buckets, brushes, potable water, distilled water, regulatory-required reagents, aluminum foil, plastic sheeting, etc.).

d. Sampling device (split-spoon sampler, stainless steel hand auger, stainless steel trowel, etc.).

e. Stainless steel spoons or spatulas.

f. Disposable sampling gloves.

g. Laboratory-supplied sample containers with labels.

h. Cooler with blue or wet ice.

i. Plastic sheeting.

j. Black pen and indelible marker.

k. Zip-lock bags and packing material.

l. Tape measure.

m. Paper towels or clean rags.

n. Masking and packing tape.

o. Overnight (express) mail forms.

4.0 DECONTAMINATION

All reusable sampling equipment will be thoroughly cleaned according to the decontamination SOP. Where possible, thoroughly pre-cleaned and wrapped sampling equipment should be used and dedicated to individual sampling locations. Disposable items such as sampling gloves, aluminum foil, and plastic sheeting will be changed after each use and discarded in an appropriate manner.

5.0 PROCEDURE

5.1 Prior to collecting soil samples, ensure that all sampling equipment has been thoroughly cleaned according to the decontamination SOP. If samples are to be collected at depth, then the boring must be advanced with thoroughly cleaned equipment to the desired sampling horizon and a different thoroughly cleaned sampler must be used to collect the sample.

5.2 Using disposable gloves and a pre-cleaned, stainless steel spatula or spoon, extract the soil sample from the sampler, measure the recovery, and separate the wash from the true sample. Where allowed by regulatory agency(ies), disposable plastic spoons may be used.

5.3 Place the sample in a laboratory-supplied, pre-cleaned sample container. This should be done as quickly as possible and this is especially important when sampling for volatile organic compounds (VOCs). Samples to be analyzed for VOCs must be collected prior to other constituents.

5.4 The sample container will be labeled with appropriate information such as, client name, site location, sample identification (location, depth, etc.), date and time of collection, and sampler's initials.

5.5 Using the remaining portion of soil from the sampler, log the sample in detail and record sediment characteristics (color, odor, moisture, texture, density, consistency, organic content, layering, grain size, etc.).

5.6 If soil samples are to be composited in the field, then equal portions from selected locations will be placed on a clean plastic sheet and homogenized. Alternately, several samples may be submitted to the laboratory for compositing by weight. The method used is dependent upon regulatory requirements. Specific compositing procedures shall be approved by the appropriate regulatory agency and described in the work plan. Samples to be analyzed for VOCs will not be composited unless required by a regulatory agency.

5.7 After the sample has been collected, labeled, and logged in detail, it is placed in a zip-lock bag and stored in a cooler at 4°C.

5.8 A chain-of-custody form is completed for all samples collected. One copy is retained and two are sent with the samples in a zip-lock bag to the laboratory. A custody seal is placed on the cooler prior to shipment.

5.9 Samples collected from Monday to Friday are to be delivered to the laboratory within 24 hours of collection. If Saturday delivery is unavailable, samples collected on Friday must be delivered by Monday morning. Check the work plan to determine if any analytes require a shorter delivery time.

5.10 The field notebook and appropriate forms should include, but not be limited to the following: client name, site location, sample location, sample depth, sample identification, date and time collected, sampler's name, method of sample collection, number and type of containers, geologic description of material, description of decontamination procedures, etc. A site map should be prepared with exact measurements to each sample location in case follow-up sampling is necessary.

5.11 All reusable sampling equipment must be thoroughly cleaned in accordance with the decontamination SOP. Following the final decontamination (after all samples are collected) the sampling equipment is wrapped in aluminum foil. Discard any gloves, foil, plastic, etc. in an appropriate manner that is consistent with site conditions.

END OF PROCEDURE

Date: May 5, 2000

1.0 PURPOSE

The purpose of this standard operating procedure (SOP) is to establish guidelines for sample handling which will allow consistent and accurate results. Valid chemistry data are integral to investigations that characterize media-quality conditions. Thus, this SOP is designed to ensure that once samples are collected, they are preserved, packed and delivered in a manner which will maintain sample integrity to as great an extent as possible. The procedures outlined are applicable to most sampling events and any required modifications must be clearly described in the work plan.

2.0 CONSIDERATIONS

Sample containers, sampling equipment decontamination, quality assurance/quality control (QA/QC), sample preservation, and sample handling are all components of this SOP.

2.1 Sample Containers

Prior to collection of a sample, considerations must be given to the type of container that will be used to store and transport the sample. The type and number of containers selected is usually based on factors such as sample matrix, potential contaminants to be encountered, analytical methods requested, and the laboratory's internal quality assurance requirements. In most cases, the overriding considerations will be the analytical methodology, or the state or federal regulatory requirements because these regulations generally encompass the other factors. The sample container selected is usually based on some combination of the following criteria:

a. Reactivity of Container Material with Sample

Choosing the proper composition of sample containers will help to ensure that the chemical and physical integrity of the sample is maintained. For sampling potentially hazardous material, glass is the recommended container type because it is chemically inert to most substances. Plastic containers are not recommended for most hazardous wastes because the potential exists for contaminants to adsorb to the surface of the plastic or for the plasticizer to leach into the sample.

In some instances, however, the sample characteristics or analytes of interest may dictate that plastic containers be used instead of glass. Because some metals species will adhere to the sides of the glass containers in an aqueous matrix, plastic bottles (e.g., nalgene) must be used for samples collected for metals analysis. A separate, plastic

container should accompany glass containers if metals analysis is to be performed along with other analyses. Likewise, other sample characteristics may dictate that glass cannot be used. For example, in the case of a strong alkali waste or hydrofluoric solution, plastic containers may be more suitable because glass containers may be etched by these compounds and create adsorptive sites on the container's surface.

b. Volume of the Container

The volume of sample to be collected will be dictated by the analysis being performed and the sample matrix. The laboratory must supply bottles of sufficient volume to perform the required analysis. In most cases, the methodology dictates the volume of sample material required to complete the analysis. However, individual laboratories may provide larger volume containers for various analytes to ensure sufficient quantities for duplicates or other QC checks.

To facilitate transfer of the sample from the sampler into the container and to minimize spillage and sample disturbance, wide-mouth containers are recommended. Aqueous volatile organic samples must be placed into 40-milliliter (ml) glass vials with polytetrafluoroethylene (PTFE) (e.g., TeflonTM) septums. Non-aqueous volatile organic samples should be collected in the same type of vials or in 4-ounce (oz) wide-mouth jars provided by the laboratory. These jars should have PTFE-lined screw caps.

c. Color of Container

Whenever possible, amber glass containers should be used to prevent photodegradation of the sample, except when samples are being collected for metals analysis. If amber containers are not available, then containers holding samples should be protected from light (i.e., place in cooler with ice immediately after filling).

d. Container Closures

Container closures must screw on and off the containers and form a leak-proof seal. Container caps must not be removed until the container is ready to be filled with the sample, and the container cap must be replaced (securely) immediately after filling it. Closures should be constructed of a material which is inert with respect to the sampled material, such as PTFE (e.g., TeflonTM). Alternately, the closure may be separated from the sample by a closure liner that is inert to the sample material such as PTFE sheeting. If soil or sediment samples are being collected, the threads of the container must be wiped clean with a dedicated paper towel or cloth, so the cap can be threaded properly.

e. Decontamination of Sample Containers

Sample containers must be laboratory cleaned by the laboratory performing the analysis. The cleaning procedure is dictated by the specific analysis to be performed on the sample. Sample containers must be carefully examined to ensure that all containers appear clean. Do not mistake the preservative as unwanted residue. The bottles should not be field cleaned. If there is any question regarding the integrity of the bottle, then the laboratory must be contacted immediately and the bottle(s) replaced.

f. Sample Bottle Storage and Transport

No matter where the sample bottles are, whether at the laboratory waiting to be packed for shipment or in the field waiting to be filled with sample, care must be taken to avoid contamination. Sample shuttles or coolers, and sample bottles must be stored and transported in clean environments. Sample bottles and clean sampling equipment must never be stored near solvents, gasoline, or other equipment that is a potential source of cross-contamination. When under chain of custody, sample bottles must be secured in locked vehicles, and custody sealed in shuttles or in the presence of authorized personnel. Information which documents that proper storage and transport procedures have been followed must be included in the field notebook and on appropriate field forms.

2.2 Decontamination of Sampling Equipment

Proper decontamination of all re-usable sampling equipment is critical for all sampling episodes. The SOP for Decontamination of Field Equipment and SOPs for method-specific or instrument-specific tasks must also be referred to for guidance for decontamination of various types of equipment.

2.3 Quality Assurance/Quality Control Samples

QA/QC samples are intended to provide control over the proper collection and tracking of environmental measurements, and subsequent review, interpretation and validation of generated analytical data. The SOPs for Collection of Quality Control Samples, for Evaluation and Validation of Data, and for Field Record Keeping and Quality Assurance/Quality Control must be referred to for detailed guidance regarding these respective procedures. SOPs for method-specific or instrument-specific tasks must also be referred to for guidance for QA/QC procedures.

2.4 Sample Preservation Requirements

Certain analytical methodologies for specific analytes require chemical additives in order to stabilize and maintain sample integrity. Generally, this is accomplished under the following two scenarios:

a. Sample bottles are preserved at the laboratory prior to shipment into the field.

b. Preservatives are added in the field immediately after the samples are collected.

Many laboratories provide pre-preserved bottles as a matter of convenience and to help ensure that samples will be preserved immediately upon collection. A problem associated with this method arises if not enough sample could be collected, resulting in too much preservative in the sample. More commonly encountered problems with this method include the possibility of insufficient preservative provided to achieve the desired pH level or the need for additional preservation due to chemical reactions caused by the addition of sample liquids to pre-preserved bottles. The use of pre-preserved bottles is acceptable; however, field sampling teams must always be prepared to add additional preservatives to samples if the aforementioned situations occur. Furthermore, care must be exercised not to overfill sample bottles containing preservatives to prevent the sample and preservative from spilling and therefore diluting the preservative (i.e., not having enough preservative for the volume of sample).

When samples are preserved after collection, special care must be taken. The transportation and handling of concentrated acids in the field requires additional preparation and adherence to appropriate preservation procedures. All preservation acids used in the field should be trace-metal or higher-grade.

2.5 Sample Handling

After the proper sample bottles have been received under chain-of-custody, properly decontaminated equipment has been used to collect the sample, and appropriate preservatives have been added to maintain sample integrity, the final step for the field personnel is checking the sample bottles prior to proper packing and delivery of the samples to the laboratory.

All samples should be organized and the labels checked for accuracy. The caps should be checked for tightness and any 40-ml volatile organic compound (VOC) bottles must be checked for bubbles. Each sample bottle must be placed in an individual Ziploc® bag to protect the label, and placed on ice. The bottles must be carefully packed to prevent breakage during transport. When several bottles have been collected for an individual sample, they should not be placed adjacent to each other in the cooler to prevent possible breakage of all bottles for a given sample. If there are any samples which are known or suspected to be highly

contaminated, these should be placed in an individual cooler under separate chain-of-custody to prevent possible cross contamination. Sufficient ice (wet or blue packs) should be placed in the cooler to maintain the temperature at 4 degrees Celsius (°C) until delivery at the laboratory. Consult the work plan to determine if a particular ice is specified as the preservation for transportation (e.g., the United States Environmental Protection Agency does not like the use of blue packs because they claim that the samples will not hold at 4°C). If additional coolers are required, then they should be purchased. The chain-of-custody form should be properly completed, placed in a "zip-lock" bag, and placed in the cooler. One copy must be maintained for the project files. The cooler should be sealed with packing tape and a custody seal. The custody seal number should be noted in the field book. Samples collected from Monday through Friday will be delivered to the laboratory within 24 hours of collection. If Saturday delivery is not available, samples collected on Friday must be delivered by Monday morning. Check the work plan to determine if certain analytes require a shorter delivery time. If overnight mail is utilized, then the shipping bill must be maintained for the files and the laboratory must be called the following day to confirm receipt.

3.0 EQUIPMENT AND MATERIALS

3.1 General equipment and materials may include, but not necessarily be limited to, the following:

a. Sample bottles of proper size and type with labels.

b. Cooler with ice (wet or blue pack).

c. Field notebook, appropriate field form(s), chain-of-custody form(s), custody seals.

d. Black pen and indelible marker.

e. Packing tape, "bubble wrap," and "zip-lock" bags.

f. Overnight (express) mail forms and laboratory address.

g. Health and safety plan (HASP).

h. Work plan/scope of work.

i. Pertinent SOPs for specified tasks and their respective equipment and materials.

3.2 Preservatives for specific samples/analytes as specified by the laboratory. Preservatives must be stored in secure, spillproof glass containers with their content, concentration, and date of preparation and expiration clearly labeled.

3.3 Miscellaneous equipment and materials including, but not necessarily limited to, the following:

a. Graduated pipettes.

b. Pipette bulbs.

c. Litmus paper.

d. Glass stirring rods.

e. Protective goggles.

f. Disposable gloves.

g. Lab apron.

h. First aid kit.

i. Portable eye wash station.

j. Water supply for immediate flushing of spillage, if appropriate.

k. Shovel and container for immediate containerization of spillage-impacted soils, if appropriate.

4.0 PROCEDURE

4.1 Examine all bottles and verify that they are clean and of the proper type, number, and volume for the sampling to be conducted.

4.2 Label bottles carefully and clearly with project name and number, site location, sample identification, date, time, and the sampler's initials using an indelible marker.

4.3 Collect samples in the proper manner (refer to specific sampling SOPs).

4.4 Conduct preservation activities as required after each sample has been collected. Field preservation must be done immediately and must not be done later than 30 minutes after sample collection.

4.5 Conduct QC sampling, as required.

4.6 Seal each container carefully and place in an individual "zip lock" bag.

4.7 Organize and carefully pack all samples in the cooler immediately after collection (e.g., bubble wrap). Insulate samples so that breakage will not occur.

4.8 Complete and place the chain-of-custody form in the cooler after all samples have been collected. Maintain one copy for the project file. If the cooler is to be transferred several times prior to shipment or delivery to the laboratory, it may be easier to tape the chain-of-custody to the exterior of the sealed cooler. When exceptionally hazardous samples are known or suspected to be present, this should be identified on the chain-of-custody as a courtesy to the laboratory personnel.

4.9 Add additional ice as necessary to ensure that it will last until receipt by the laboratory.

4.10 Seal the cooler with packing tape and a custody seal. Record the number of the custody seal in the field notebook and on the field form. If there are any exceptionally hazardous samples, then shipping regulations should be examined to ensure the sample containers and coolers are in compliance and properly labeled.

4.11 Samples collected from Monday through Friday will be delivered to the laboratory within 24 hours of collection. If Saturday delivery is not available, samples collected on Friday must be delivered by Monday morning. Check the work plan to determine if certain analytes require a shorter delivery time.

4.12 Maintain the shipping bill for the project files if overnight mail is utilized and call the laboratory the following day to confirm receipt.

END OF PROCEDURE

Date: May 5, 2000

1.0 PURPOSE

The purpose of this standard operating procedure (SOP) is to establish guidelines for screening soil samples for volatile organic vapors using a portable photoionization detector (PID). This SOP is applicable to soil samples collected from split-spoon samplers during drilling, hand auger samples, and grab samples from stockpiled soils.

2.0 CONSIDERATIONS

The primary objective of photoionization screening of soil samples is to obtain a qualitative understanding of the distribution of volatile organic compounds (VOCs) in soil. The proper design of an organic vapor screening program requires an understanding of site hydrogeology, potential source areas, and potential constituents of concern. Sample locations and frequency must be fully defined in the work plan. The work plan should outline the type of lamp to be utilized in the PID based on the ionization potentials and response factors of the constituents of concern. The work plan must also clearly describe the heating or equilibration procedures to be employed if they differ from those described in this SOP. Regardless of the specific equilibration procedure employed, it is imperative that each sample be treated identically to allow the photoionization results from different locations to be compared. Observations such as water, clay, and organic content should be noted to facilitate interpretation of the data. Every effort should be made to collect a representative portion of soil from the sampling device.

3.0 MATERIALS/EQUIPMENT

a. A work plan which outlines photoionization screening requirements.

b. Decontamination supplies (including: non-phosphate, laboratory grade detergent, buckets, brushes, potable water, distilled water, regulatory-required reagents [e.g., acetone, nitric acid, hexane, etc.], aluminum foil, plastic sheeting, etc.).

c. Field notebook, field form(s), maps, chain-of-custody forms.

d. Sampling device (split-spoon sampler, stainless steel hand auger, stainless steel trowel, etc.).

e. Stainless steel spoons or spatulas.

f. Disposable plastic spoons.

g. Plastic sheeting.

h. Aluminum foil.

i. Mason jars or driller's jars.

j. Water bath (hot plate, extension cord, water tray, thermometer).

k. Photoionization detector with charging unit.

l. Calibration gases with regulator.

m. Indelible marker.

n. Masking tape.

o. Disposable sampling gloves.

4.0 DECONTAMINATION

Where possible, thoroughly pre-cleaned and wrapped sampling equipment must be used and dedicated to individual sampling locations. Disposable items such as sampling gloves, aluminum foil, and sample jars will be changed after each use and discarded in an appropriate manner. If only photoionization results are to be obtained, then split-spoon samples and hand augers may be cleaned with a soap and water wash and potable water rinse or steam cleaning, and a final distilled water rinse. However, if samples are to be collected concurrently for laboratory analytical results, then all reusable sampling equipment must be thoroughly decontaminated according to the SOP for decontamination of field equipment.

5.0 CALIBRATION

The PID must be calibrated according to the manufacturer's specifications at a minimum frequency of once per day prior to collecting photoionization readings. In addition, periodic checks (e.g., every 2 hours or every ten samples) with the standard gas will be conducted to confirm that the calibration has not drifted. The time, date, and calibration procedure must be clearly documented in the field notebook and the calibration log. If at any time the photoionization results appear erratic or inconsistent with field observations, then the unit must be recalibrated. If calibration is difficult to achieve, then the unit's lamp should be checked for dirt or moisture and cleaned, as necessary. During humid or wet conditions, the unit should be calibrated on a more frequent basis as determined by field personnel.

6.0 PROCEDURE

6.1 Extract the soil sample from the sampler, quickly measure the recovery, and separate the wash from the true sample by using a dedicated, stainless steel spatula. Where allowed by regulatory agency(ies), disposable plastic spoons may be used.

6.2 Place the sample in a pre-cleaned glass jar (as quickly as possible to avoid loss of VOCs) filling the jar half full. Place an aluminum foil seal between the glass and metal cap and screw tight.

6.3 Label jars with the boring number, depth of sample, date of collection and blow counts. In addition, the field personnel will ensure the following: samples are taken at appropriate depths; unrepresentative portions of the sample are discarded properly; that the sampler is decontaminated properly between use; and the driller uses proper methods during sample collection and does not use oil or grease on tools entering the borehole.

6.4 Log the sample in detail and record sediment characteristics (color, odor, moisture, texture, density, consistency, organic content, and layering).

6.5 After the sample has been collected, heat the sample under controlled conditions in a water bath for a 2 minute period.

6.6 Ensure that the PID has been calibrated and that the calibration information is documented in the field book. Pierce the aluminum foil seal with the probe from the PID and measure the relative concentration of VOCs in the headspace of the soil sample. The initial (peak) reading must be recorded.

6.7 Record the PID reading in the field notebook, on an appropriate field form, and on the base map, if appropriate.

6.8 Place any material not representative of the interval sampled in a pile with the other cuttings from the borehole.

6.9 If only photoionization results are to be obtained, then reusable sampling devices may be cleaned with a soap and water wash and a potable water rinse. The sampler will then be rinsed with distilled water, assembled and placed on plastic sheeting for reuse. A more rigorous decontamination procedure is required when samples are also being collected for laboratory analysis. Refer to the SOP for collection of soil samples for laboratory analysis for additional information.

END OF PROCEDURE

ATTACHMENT 4

Laboratory's Standard Operating Procedures

eurofins	Always check on-line for validity. **EPA Methods TO-15 and TO-3, Determinations of VOCs in Ambient Air**	Level: **Standard Operating Procedure**
Document number: **AIR-SOP48257**		
Old Reference: **BR-AT-004**		
Version: **16**		Organisation level: **4-Business Unit**
Approved by: **J8TG, YE6O** Effective Date: **13-FEB-2024**	Document users: **6_EUUS80_BUR_Organic Inst_GCMS VOA_Air**	Responsible: **5_EUUS80_BUR_GCMS VOA and Air Supervisor**

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Revision Log
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Cross References
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Revision Log

Revision: 16.0	**Effective Date**	This version
Section	**Justification**	**Changes**
Throughout	Added	Cross-reference links to related documents in D4
Section 5	Updated	Current standard Safety language
Sections 6 & 7	Added	Catalog # disclaimer and storage conditions
Section 10.2.2.1	Added	Percent Error acceptance criteria for individual points in the calibration

Revision: 15.0	**Effective Date**	21 April 2023
Section	**Justification**	**Changes**
Entire Document	Format	Update to D4 format
Section 10.2.4	Updated	Removed reference to DoD specific QA requirements.
Section 10.3.4	Added	Client specific QA requirements

Previous revisions maintained by QA Department

References

- EPA Compendium Method TO-15, "Determination of Volatile Organic Compounds in Ambient Air using Specially Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry", US EPA, January, 1999.
- USEPA Compendium Method TO-3 “Method for the Determination of Volatile Organic Compounds In Ambient Air Using Cryogenic Pre Concentration Techniques and Gas Chromatography with Flame Ionization and Electron Capture Detection”, USEPA, April 1984
- New Jersey Department of Environmental Protection Site Remediation Program Vapor Intrusion Technical Guidance, Version 3.1, March 2013.

Cross References

- *SOP52862 Quality Assurance Manual*
- *SOP48255 Canister Cleaning, Certification and Sampling Kit Preparation*
- *QP46060 NDSC HSE Manual*
- *SOP49961 Burlington Corporate Safety Manual Addendum*
- *SOP52272 Traceability, Handling and Storage of Standards and Reagents*
- *SOP49959 Sample Management*
- *SOP49967 Nonconformance and Corrective Action Procedures*
- *SOP43862: Manual Integrations*
- *SOP49966 Management, Retention Storage and Archive of Data Records*
- *SOP52264 Employee Training and Analyst Demonstration of Proficiency*
- *SOP47863 Tracking and Collecting of Hazardous Waste*
- *SOP48269 Procedure for Acceptance and Handling of USDA Regulated Domestic and Foreign Soil*

1) Scope and Application

This SOP describes the laboratory procedure for the analysis of polar and non-polar volatile organic compounds (VOCs) in ambient and non-ambient air. The procedure is applicable to those VOCs that have been evaluated by the laboratory for their consistent performance in meeting the control criteria put forth in Compendium Method TO-15.

While the compendium method is specifically written for the analysis of ambient air samples collected in leak-free passivated stainless-steel canisters, it may be applied to the analysis of samples that have employed the use of other collection devices such as Tedlar bags and are from sources other than ambient air such as indoor air, vapor intrusion impacted air, soil gas, landfill gas, gas cleaning apparatuses and stack emissions.

This procedure may also be used to report a variety of carbon ranges, constituent groups like TVOC (total volatile organic compounds), or as unresolved complex mixtures (e.g. Total Hydrocarbons).

1.1) Analytes, Matrix(s), and Reporting Limits

The target compound list and reporting limits for each compound are provided in the Appendix.

2) Summary of Method

An aliquot of sample is pulled from the canister through a solid multi sorbent bed trap which reduces the water content of the sample. The sample is thermally desorbed, and the VOCs are carried onto a GC column coupled to a mass spectrometer. Compounds are identified by comparison of the mass spectra for individual peaks in the total ion chromatogram to the fragmentation patterns of ions corresponding to VOCs including the intensity of primary and secondary ions as well as the patterns of stored spectra acquired under similar conditions.

The concentration of the target compound is calculated by internal standard technique using the average response factor or slope and intercept of that compound as determined by the initial calibration.

If the laboratory has modified the method, a list of these adjustments may be found in the Method Modifications section of this SOP.

3) Definitions

A list of terms and definitions are provided in the Appendix. Refer to the Laboratory *SOP52862 Quality Assurance Manual* (QAM) for additional Glossary of Terms, Definitions, and Acronyms.

4) Interferences

Contamination may occur if canisters or other equipment is not properly cleaned before use. The laboratory procedures for canister and flow controller cleaning are provided in *SOP48255 Canister Cleaning, Certification and Sampling Kit Preparation*.

5) Safety

Employees must abide by the policies and procedures in the Eurofins NDSC-US EHS-*QP46060 NDSC HSE Manual*, the *SOP49961 Burlington Corporate Safety Manual Addendum* and this document. This procedure may involve hazardous material, operations and equipment.

This SOP does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of the method to follow appropriate safety, waste disposal and health practices under the assumption that all samples and reagents are potentially hazardous. Safety glasses, gloves, lab coats and closed-toe, nonabsorbent shoes are a minimum.

A complete list of materials used in the method can be found in the reagents and materials section. Employees must review the information in the SDS for each material before using it for the first time or when there are major changes to the SDS.

5.1) Specific Safety Concerns or Requirements

The analytical system contains zones with elevated or depressed temperatures that are capable of causing injury upon direct contact. The analyst needs to be aware of the locations of those zones and allow them to return to room temperature prior to maintenance activities or take measures to avoid contact with hot and/or cold surfaces. There are areas of high voltage in the analytical system. Depending on the type of work involved, either turn the power to the instrument off, or disconnect it from its source of power.

Liquid nitrogen (LN2) is used for cryogenic purposes. In addition to avoiding contact with LN2 cooled surfaces, analysts must be aware of the potential for oxygen depletion in a confined space in the event of an unexpected large release of the product. Users should evacuate a confined space in which large amounts of LN2 have been released.

Sample canisters are occasionally pressurized for cleaning or sample dilution purposes. Lab systems are designed to ensure that the cans are not pressurized above 40 psi. Eye protection must be worn when cans are pressurized in the event of a canister failure.

5.2) Primary Materials Used

There are no materials used in this method which have a serious or significant hazard rating.
NOTE: This section does not include all materials used in the method. A complete list of materials used in the method can be found in the reagents and materials section. Employees must review the information in the SDS for each material before using it for the first time or when there are major changes to the SDS.

6) Equipment and Supplies

Catalog numbers listed in this SOP are subject to change at the discretion of the vendor. Analysts are cautioned to be sure equipment meets the specification of this SOP.

6.1) Sampling Equipment

- 6L and 1L SUMMA® Canisters: Leak-Free, Passivated Stainless Steel, with Swagelok DSS4 Valves, or equivalent. Maximum rated pressure 40 psig.
- 6L SUMMA® Canisters: Silicon Lined-Leak-Free, Passivated Stainless Steel, with Swagelok DSS4 valves or equivalent. Maximum rated pressure 40 psig.
- Flow Controllers: Restek Catalog #24239 or equivalent.
- Flow Controller Orifice: Various sizes ranging from 0.008” to 0.060”, Restek or equivalent.
- Flow Controller Vacuum Gauges: Capable of measuring vacuum to an absolute vacuum of -30” Hg, and pressure up to 30 psi, Grainger Catalog #5WZ37 or equivalent
- Rain Guard: Stainless Steel Tubing ¼”, 10ft. Grainger or Equivalent. Cut 8” and bend into a J shape using a pipe bender.
- Stainless Steel Pre-Filter (7 um): Swagelok Catalog# SS-4F-T7-7 or equivalent
- Teflon Tape: Home Depot Brand or equivalent.

6.2) Analytical System

- Mass Spectrometer: Agilent 5973, 5975, 5975B, 5977C MSD or equivalent.
- Gas Chromatograph: Agilent 6890, 7890, 8890 or equivalent.
- VOC Autosampler: Entech 7016CA or equivalent.
- Cryogenic Concentrator: Equipped with an electronic mass flow controller that maintains a constant flow for carrier gas and sample over a range of 0-200 cc/min. Entech 7100A, 7200, 7200A or equivalent.
- Low Pressure Liquid Nitrogen: Air Gas or equivalent.
- Glass Bead Cryotrap: Capable of effectively removing water while trapping polar and non-polar compounds. Entech catalog# 01-04-11320.
- TENAX Sorbent Trap: Capable of removing CO2 and trapping the polar and non-polar compounds. Entech catalog # 01-04-11330.Primary Column: Fused silica capillary column (60 m x 0.32 mm x 1.8 µm), Restek RTX-624 or equivalent.
- Data System: PC software for Entech instrumentation. Hewlett-Packard ChemStation data acquisition software, Environment Testing Chrom and Environment Testing LIMS (TALS).
- NIST Mass Spectral Library and Search Program, 2020 release or newer

6.3) Cleaning System

- Canister Cleaner Module and Software: Capable of filling canisters with humidified air and evacuating canisters to 50 mtorr, Entech Model 3100A or equivalent.
- Vacuum Pump: Capable of evacuating sample canisters to full vacuum. Vacuubrand or equivalent.
- Cleaning Manifold: Equipped with stainless steel and Teflon transfer lines and connections for cleaning up to twelve canisters simultaneously.
- Heating Belts: Individual thermal-stated heating belts used to heat canisters to 100ºC during the manifolds cleaning cycles. Entech or equivalent.
- Cleaning oven: Capable of cleaning 6 Summa Cans simultaneously at a temperature of 100ºC. Entech or equivalent.
- Flow Controller Cleaning Manifold: Capable of flushing hot Nitrogen through 24 flow controllers simultaneously for cleaning.

6.4) Miscellaneous Supplies

- Mass Flow Controller, NIST Traceable: Capable of flow rate of 70 mL/min, Alicat MC5005CCM or equivalent. Use for the preparation of calibration and working standards.
- Syringes: Gas tight with a Luer-Lok tip, assorted sizes ranging from 1.0 mL to 1.0 L, SGE or equivalent.
- Digital Pressure Gauges, NIST Traceable: Capable of measuring pressure in the range of -30" Hg to 100 psi, Dwyer Models DPGA-12 and 67100 or equivalent
- Digital Flow Meter, NIST Traceable: Alltech or equivalent.

- Nitrogen Gas
- Digital Stop watch, NIST traceable, Thomas Scientific or equivalent

7) Reagents and Standards

Catalog numbers listed in this SOP are subject to change at the discretion of the vendor. Analysts may use equivalent-quality materials based on factors including availability. Permanent changes will be noted in future SOP revisions. All reagent and standards must be labeled with their Name and/or ID #; the Expiration Date; and the Date Prepared.

All reagents and standards are stored at room temperature in the Air Lab work area, unless noted otherwise.

For additional information refer to the *SOP52272 Traceability, Handling and Storage of Standards and Reagents*

7.1) Reagents

- Argon - Gas off bulk Liquid Argon tank. UHP Air Gas or equivalent vendor
- Nitrogen- Gas off bulk Liquid Nitrogen tank. UHP Air Gas or equivalent vendor
- Helium- UHP from Airgas or equivalent
- VOA free water

7.2) Standards

Certified stock standard solutions are purchased from approved commercial vendors. From these, intermediate and working standard solutions are prepared by diluting a known volume of standard in an appropriate solvent to the desired final concentration.

Formulations for the preparation of intermediate and working standard solutions are provided in the Appendix. Unless otherwise specified, assign an expiration date of 12 months from date of preparation, unless the parent component expires earlier in which case use the earliest expiration date.

There are small variations in analyte concentrations in the preparation of air standards. For simplicity, the nominal concentrations are referenced in this SOP.

Note: *When entering the concentrations of source standards in TALS, use the nominal concentration and not the actual concentration. Unless the actual has a > 15% difference from the nominal value. In these cases, use the actual value.*

Purchase the following stock standard mixtures from commercial vendors:

- Mixed Gas Stock Standard: - Commercially prepared standard that includes internal standard and tune standard compounds: Bromofluorobenzene, Bromochloromethane, 1,4-Difluorobenzene, and Chlorobenzene-d5, at a concentration of 100 ppbv each. Linde or equivalent.
- Calibration Stock Standard: - Commercially prepared custom gaseous stock standard that includes all target analytes except ethanol at a concentration of 1.0 ppmv. Linde or equivalent.
- Calibration Ethanol Neat Material. >99.5%
- ICV / LCS Stock Standard: - Custom made gaseous stock standard prepared from a different lot(s) of the source material(s) used to manufacture the calibration stock standard. The ICV/LCS stock standard includes all target analytes at a concentration of 1.0 ppmv. Linde.
- ICV/LCS Ethanol Neat material. >99.5% from a source other than the calibration source.

Prepare calibration and working standards mixtures by diluting a known volume of the stock standard with nitrogen to a specified volume into a humidified summa canister. The summa canister is humidified by adding 100ul of VOA free reagent water. The volume of the standard added to the canister is calculated using the set flow rate of 70mL/min using a mass flow meter multiplied by the time of the standard addition, plus the inclusion of the 25ml volume for the tubing connecting the mass flow meter to the summa canister. The formulations for standard preparation are provided in the Appendix along with recommended expiration dates and storage conditions.

Each stock standard is assigned a 1-year expiration date from manufacture and recertified annually. See *SOP52272 Traceability, Handling, and Storage of Standards and Reagents* for details on the recertification process. The ethanol neat material is assigned the expiration date given by the manufacturer.

If a new standard cannot be received prior to the expiration of the standard presently in use, the lab will notify the QA manager. The QA manager will perform a control chart review (see *SOP49965 Control Charts*). If the standard is determined to be acceptable, the lab may assign a new expiration date of not more than 30 days from the date of the last data point in the control chart review. When the new standard ID is created in TALS, the COA and the Control Chart verifying the standards stability will be attached to the reagent ID.

8) Sample Collection, Preservation, Shipment and Storage

The laboratory does not perform sample collection, so these procedures are not included in this SOP. Sampling requirements may be found in the published reference method.

Matrix	Sample Container	Minimum Sample Size	Preservation	Holding Time	Reference
Air	1L or 6L Passivated Summa Canister	1L	NA	30 days from collection	EPA TO-15

1-liter Tedlar bags are only provided upon client request; however, clients are discouraged from using Tedlar bags due to the shortened holding time of 72 hours from collection.

All samples should be collected in passivated stainless-steel canisters that have been certified clean prior to sampling. The laboratory will provide certified clean canisters to the client upon request. The procedures for clean canister certification are provided in Laboratory SOP 48255: Canister Cleaning, Certification and Sampling Kit Preparation.

The laboratory can also provide flow controllers set to the appropriate flow rate for the sampling time required by the client.

The laboratory ships air canisters in custom made boxes. The boxes are equipped with custom-made foam inserts to hold the pre-set flow-controllers. The shipping materials are designed to prevent damage of equipment to and from the sampling site. The laboratory checks the equipment to ensure it is in proper working order before shipment to the client and additional checks are performed on return of the equipment to the laboratory. Sampling instructions are provided with each sampling kit. The sampling crew is advised to handle the sampling equipment using the instructions provided by the laboratory to ensure optimum performance.

The laboratory's sample acceptance policy for air samples in canisters requires that the sampling crew record the ID of the flow controller used for sample collection on the tag attached to each canister, but the association may also be recorded on the Field Test Data Sheet or a COC. With this information the laboratory can review the history of use of the FC as needed to troubleshoot potential equipment problems. Without the association, the history of use of the FC is unknown. The laboratory strongly recommends that field samplers be instructed to provide this information for each sampling event.

The return pressure of each canister should be between -10" Hg to -1"Hg, except for "grab" samples or samples with a collection rate of 100 or 200 mL/min, which must have a pressure greater than or equal to -10" Hg. The residual vacuum criteria ensure that the sample was collected over the time period the flow controller was calibrated for.

9) Quality Control

9.1) Sample QC

The following quality control samples are prepared with each batch of samples.

QC Item	Frequency	Acceptance Criteria
Method Blank (MB)	1 in 20 or fewer samples	See QC Summary Table
Laboratory Control Sample (LCS)	1 in 20 or fewer samples	See QC Summary Table
Internal Standard (ISTD)	Every Sample	See QC Summary Table
Laboratory Control Sample Duplicate (LCSD)	Client request or if insufficient sample for Sample Duplicate	See QC Summary Table
Sample Duplicate (SD)	1 in 20 or fewer samples if sample volume allows	See QC Summary Table
Trip Blank (TB)	Client Request	See QC Summary Table

NOTE: *The compendium reference method does not require the analysis of a laboratory control sample (LCS) or provide criteria for the evaluation of an LCS. The laboratory performs an LCS at the above-mentioned frequency as an evaluation of percent recovery in a blank matrix. The laboratory uses statistically derived control limits for the LCS.*

Unless otherwise specified by the client during project initiation, the LCSD will be used to measure precision only. The LCS will be used for evaluations for percent recovery and to determine if corrective action is necessary.

9.2) Instrument QC

The following instrument QC is performed:

QC Item	Frequency	Acceptance Criteria
Tune Standard (BFB)	Each Analytical Window	See Appendices
Initial Calibration (ICAL)	Initially; when ICV or CCV fail	See Appendices
Initial Calibration Verification (ICV)	Once, after each ICAL	See Appendices
RT Window Establishment	Once per ICAL	See Appendices

Relative Retention Time (RRT)	With each sample	See Appendices
Continuing Calibration Verification (CCV)	Daily, after each BFB	See Appendices

10) Procedure

10.1) Support Equipment Calibration

Verify the calibration is valid for the following;

- Mass flow controller used to prepare standards.
- Digital flow meter used to set and check the flow rates of the FC(s) used for sample collection.
- Digital pressure gauges used to check return canister pressure.
- Stopwatch used to measure standard addition time is current to the year.

Immediately notify the QA department if the calibration is not current and wait for further instruction. Equipment whose calibration has expired may not be used without documented approval from the QA department.

NOTE: *The QA department schedules the annual calibrations of the support equipment and maintains all Certificates of Calibration. The flow controllers are checked against a NIST traceable standard. This check is performed by the manufacturer of the equipment, when possible, or by an approved vendor that provides certification service.*

10.2) Instrument Calibration

All Calibration Standards and Quality Control samples have the same concentration of Internal Standards and Surrogates that are added for field sample analysis. Refer to the Analytical Sequence section for additional information.

10.2.1) Tune Standard

Analyze a tune standard (BFB) prior at the beginning of each analytical window. The tune standard is a commercially prepared mixed gas stock standard that includes Bromofluorobenzene (BFB) at a concentration of 100 ppbv.

To analyze the tune standard:

1. Establish the instrument operating conditions specified in the Sample Analysis section of this SOP. Once established these settings must be maintained for the analysis of all quality control and environmental samples.
2. Attach the mixed gas stock standard to the Entech concentrator by attaching the cylinder to the line dedicated for introduction of the internal standard (ISTD). The concentrator directly injects 20 mL of the 100 ppbv stock standard onto the instrument to yield an on-column concentration of 10 ppbv.
3. Acquire the data and evaluate the results against the acceptance criteria in the Tune Standard Criteria table in the appendix.
4. Criteria must be met prior to further analysis.
5. The official start time of the 24-hour analytical window is the injection time of a passing tune standard. All samples must be injected within 24 hours of that time.

NOTE: *The data processing system averages three scans (apex scan, scan prior, and scan following) and performs background subtraction of the single scan prior to the elution of BFB.*

10.2.2) Initial Calibration (ICAL)

The instrument must be calibrated with a minimum of five calibration standards for each target analyte at concentrations that span the working range of the method.

The laboratory routinely analyzes 8 standards at the recommended concentrations of 0.035, 0.20, 0.50, 5.0, 10.0, 15.0, 20 and 40 ppbv, except for Ethanol. For Ethanol, a 6-point curve is analyzed at the following concentrations: 5, 10, 15, 20, 40, and 100 ppbv.

Note: *These are nominal concentrations, dependent on parent can stock concentrations. The nominal 0.035 ppbv concentration is prepared to ensure the actual low calibration standard is below the reporting limit (RL).*

Even though eight calibration standards are routinely analyzed not every calibration standard is used for each analyte. Each analyte has been assigned to an analyte group that includes a calibration range of at least five standards. The analyte group associations for each target analyte are provided in Tables in the appendix. The calibration range for each analyte group is as follows:

- Group A: This analyte group is associated with a seven-point calibration curve. The calibration range is 0.20 to 40 ppbv with the 0.035 ppbv standard excluded. The limit of quantitation (LOQ) for this group of analytes is 0.20 ppbv

- Group B: This analyte group is associated with a six-point calibration curve. The calibration range is 0.50 to 40 ppbv with the 0.04 and 0.20ppbv standards excluded. The limit of quantitation (LOQ) for this group of analytes is 0.50 ppbv.

- Group C: This analyte group is associated with a five-point calibration curve. The calibration range is 5.0 to 40 ppbv with the 0.04, 0.20, and 0.50ppbv standards excluded. The limit of quantitation (LOQ) for this group of analytes is 5.0 ppbv.

- Group D: This analyte group is an eight-point calibration curve. The calibration range is 0.035 to 40 ppbv. The limit of quantitation (LOQ) for this group of analytes is 0.035 ppbv.

- Group E: (Ethanol): This analyte has a six-point calibration curve. The calibration range is 5 to 100 ppbv. The limit of quantitation (LOQ) for this analyte is 5 ppbv.

Prepare the calibration standards using the formulations provided in Appendix B.

Analyze the standards in a sequence from lowest to highest concentration using the instructions provided in the Sample Analysis section.

10.2.2.1) Initial Calibration Acceptance Criteria

The data processing system calculates a relative response factor (RRF), for each analyte and isomer pair using the assigned internal standard. The internal standard associations for each target analyte are provided in tables in the Appendix. The data processing system also calculates a mean relative response factor, relative standard deviation (RSD), relative retention time (RRT) and the mean RRT.

The following criteria must be met for a calibration to be considered acceptable:

- The RSD for each target analyte must be <30% with at most 2 exceptions up to a limit of 40%. If linear regression is used the R2 must be greater than 0.996

- The area response for the primary quantitation ion for the internal standard for each ICAL standard must be within 40% of the mean area response over the calibration range for each internal standard.

    - The RRT for each target compound at each calibration level must be within 0.06 RRT units of the mean RRT for the compound. The retention time shift for each of the internal standards at each calibration level must be within 20 seconds of the mean retention time over the initial calibration range for each internal standard.

If these criteria are not met inspect the system for problems and perform corrective action. See the corrective action section and the QC Summary Table in the appendix for guidance.

Whichever calibration model is selected, it must be subjected to an additional check to establish the representativeness of the data that were used to produce it. This check is the refitting of each calibration point response back to the calibration model, or the comparison of the calculated amount of the standard against the expected amount.

Calculate the concentration of each calibration standard from the final calibration curve. Calculate the %Error for each point. All points must have an absolute %Error of < 30%, except the low point % Error must be < 50%.

If these conditions are not met, perform corrective action and recalibrate the instrument.

The laboratory CHROM software provides an Initial Calibration %Drift report which shows the % Error for each calibration point. This report must be reviewed in addition to the %RSD / Linear Response Factor.
%Error is the absolute value of the difference between the calculated concentration and the true concentration divided by the true concentration x100%.

- For example, if the 0.20mg/L standard reads back as 0.17mg/L:
  $[(0.20 - 0.17)/0.20] \times 100\% = 15\%$

Repeat initial calibration whenever instrument operating conditions are changed, a new column is installed, when significant instrument maintenance has been performed, and when the result of the CCV indicate the calibration is no longer valid.

10.2.3) Second Source Calibration Verification (ICV)

Immediately following an acceptable initial calibration verify the accuracy of the calibration by the analysis of the second source calibration verification standard (ICV).

Prepare the ICV following the formulation provided in the Appendix.

Analyze the ICV following the instructions provided in Sample Analysis section.

The percent recovery (%R) for each target analyte must be within 70-130%. If criteria are not met, perform corrective action. Recommended corrective actions are provided in QC Summary Table. If corrective action is not successful, remake your standards and recalibrate.

If after successful analysis of the ICV, time remains in the 24-hour analytical window, QC and field samples may be analyzed without analysis of a continuing calibration verification check standard. If time does not remain in the analytical window, a new analytical sequence must be initiated with a Tune Standard followed by daily calibration (CCV).

10.2.4) Continuing Calibration Verification (CCV)

Analyze the CCV immediately after the tune standard unless the analytical window includes ICAL, in which case, a CCV is not required.

Prepare the CCV standard using the formulation given in the Appendix. The recommended concentration of the CCV for each target analyte is 10.0 ppbv.

Analyze the CCV following the instructions provided in Sample Analysis section. The data system calculates a response factor for each analyte and calculates the percent difference (%D) of the RRF relative to the mean RRF in the most recent initial calibration.

- The %D for each target analyte must be within ±30%. If the above criteria are not met, repeat the analysis of the CCV once. If the second CCV meets criteria, continue with the analytical sequence. If it fails, evaluate the data to determine if one of the following conditions is met. If these conditions are not met corrective action must be taken. Guidance for troubleshooting is provided in the Troubleshooting and Corrective Action sections. After corrective action the analytical sequence may be continued only if two immediate, consecutive CCVs at different concentrations are within acceptance criteria. If these two CCVs do not meet the criteria, recalibration is required prior to further analysis.

- If the CCV criteria are exceeded high, indicating a high bias, and the associated samples have non-detects for those analytes, the analytical data may be considered usable. In the absence of instructions otherwise, proceed with analysis.

- If the CCV criteria are exceeded low, indicating a low bias, analytical results may be reported if those results exceed the project's regulatory decision level. In other words, if the analytical results are sufficiently high to counter the low bias, results may be reported. Consult with the project manager to determine if the exception is allowable for each project.

10.2.5) Troubleshooting

Check the following items in case of calibration failures:

- Loss of sensitivity or unstable ISTD recoveries are usually the result of a leak. Check the union between the GC column and Entech transfer line.
- Loss of sensitivity for individual compounds may be a result of either an active site in a transfer line or a bad trap. Troubleshoot and perform maintenance as necessary.
- Poor chromatography usually requires GC column maintenance, perform as necessary.
- Carryover is usually caused by excessive amounts of analyte introduced to the system. Analyze blanks until the system is cleaned or replace the traps and transfer lines if necessary.

10.3) Sample Preparation

10.3.1) Post Sampling Canister Pressure Check Procedure

The post-sampling canister pressure check is performed at the time of sample login by sample management staff so that any problems found are quickly identified and communicated to the client.

Refer to the current version of *SOP49959 Sample Management* for the procedure to take and record the post sampling canister pressure check.

10.3.2) Sample Screening

At the laboratory's discretion unknown samples may be screened prior to initial analysis to determine if the sample requires dilution. Unless otherwise requested by the client the laboratory does not provide screen data with the data package report even when primary dilutions are performed based on the results of the screen analysis.

To prepare a sample for screen analysis, connect the sample canister to the autosampler connected to screening instrument and analyze 20 mL of sample. Acquire and evaluate the results. If the results of screen analysis indicate that a target compound is above its upper range of calibration, calculate a recommended dilution factor (DF) by dividing the concentration of analyte found by 30. Record the recommended DF on the screen worksheet.

NOTE: *Samples are screened on a GC/MS instrument that is programmed with the operating conditions referenced in this SOP. The calibration is checked weekly with a single point calibration standard at a concentration of 10 ppbv for all target analytes. The calibration is checked more frequently when the results of instrument analysis do not correlate well with the results of the screen analysis.*

10.3.3) Sample Dilutions & Pressure Adjustment

Field samples should be diluted prior to initial analysis when the screen results indicate that the concentrations are above calibration range or when the laboratory has sufficient knowledge of the sample (history) to know that the sample will require dilution. Field samples must be reanalyzed at a dilution when the concentration of target compounds in initial analysis exceed of the upper range of calibration.

When the return negative pressure of a canister is greater than -10” Hg, make-up gas may be added to provide sufficient volume of make-up gas in order to have an adequate sample volume for analysis. The addition of make-up gas is considered a canister dilution. Some concentrators are able to pull full sample volume even if the residual vacuum is lower than -10” Hg so make-up air may not be necessary.

For samples analyzed for constituent groups (e.g., TVOC as Toluene), ranges, and or unresolved complex mixtures (Total Hydrocarbons), samples must be diluted such that the maximum peak height of any sample constituent under consideration does not exceed the equivalent peak height generated by highest calibration level standard. For evaluation it may be useful to graphically overlay sample chromatograms with that of the high point calibration standard.
To dilute the sample:

1) Attach the sample canister to the nitrogen gas line equipped with a pressure gauge that reads negative pressure in (“Hg) and positive pressure in (psig).

2) Ensure the valve of the nitrogen gas line is closed then open the valve of the sample canister. Record the negative pressure reading in the Canister Dilution Worksheet or on the canister’s tag.

3) Slowly open the valve of the nitrogen gas line and fill the canister until canister pressure gauge reads -10” Hg. Do not open the valve to such an extent that the nitrogen gas line pressure drops below 15 psig and do not allow the nitrogen gas line to reach equilibrium otherwise you will contaminate the nitrogen gas line.

4) When the desired pressure is achieved, close the canister valve and the valve on the nitrogen gas line; wait 15 seconds. The pressure should not exceed 40 psig.

5) Open the canister valve and record the final pressure reading in psig.

6) Close the canister valve and remove the valve from the zero air-line.

7) Record the initial and final pressure readings in the TALS canister dilution tracking module. If the final pressure is below ambient, the pressure will be in “Hg. Be sure to change the units in the TALS dilution tracking module.

When the return pressure of a canister is positive, the pressure must be adjusted to near ambient (0” Hg) prior to analysis. To adjust the pressure to ambient, vent the canister to ambient in a fume hood by opening the canister value for ~4-5 seconds, close the valve. For higher pressure canisters, open the valve and listen for a release of air then close the valve when the sound recedes.

If a trip blank is provided under vacuum, pressurize the trip blank canister to 10 psig. The pressurization of the trip blank is not considered a dilution.

10.3.4) QC Sample Preparation

To prepare the method blank (MB): Fill a clean canister that has never been used to collect environmental samples and has never left the laboratory to 20 psig with nitrogen gas. Continue to use this canister as the MB until the pressure of the canister reaches 0 psig, at which time, recharge with nitrogen gas to 20 psig and reuse.

To prepare the LCS: Follow the instructions provided in the Appendix for preparation of the working ICV/LCS standard. If an LCSD is requested, analyze the LCSD from the same canister as the LCS, unless client makes a specific request for an independent LCSD can.

10.4) Sample Analysis

10.4.1) Instrument Operating Conditions

Optimize the GC and MS conditions for compound separation and sensitivity.

The recommended operating conditions are as follows:

Thermal Desorb:	Initial Trap #1 Temperature: -110ºC. Desorb Temperature from Trap #1 to #2: 0 ºC. Total Volume Transfer by Mass Flow Controller: 40 mL Initial Trap #2 Temperature: -15 ºC Desorb Temperature from Trap #2 to #3: 200ºC. Transfer time 3.5 minutes Initial Trap #3 Temperature: -165 ºC Injection Trap #3 Temperature: 70ºC Injection Time: 1.5 minutes Trap #3 Temperature after Injection: -165 ºC
Carrier Gas:	Helium, Ultra High Purity
Cryogenic Focusing Gas:	Liquid Nitrogen
Flow Rate:	~1.5 mL/min
Temperature Program:	Initial Temperature: 40ºC Initial Hold Time: 4 minutes Ramp1 Rate: 20ºC/min. to 200ºC. Ramp 2 Rate: 40ºC/min. to 220ºC Final Temperature: 220ºC Final Hold Time: 6.5 minutes
Electron Energy:	70 electron volts
Mass Range:	35-265 amu
Scan Time:	≥1 scan per second.

These operating conditions may be changed but once the operating conditions are established for initial calibration the same conditions must be used until a new calibration is performed.

The mass spec tune profile may be changed to optimize the BFB tune analysis but once set, it cannot be changed until another BFB tune is analyzed.

10.4.2) Daily Instrument Maintenance

Prior to analysis initiate the flushing sequence using the Entech software. Then initiate the bake program using the Entech software.

10.4.3) Bi-Weekly Instrument Maintenance

At a minimum frequency of once every two weeks, perform an autosampler leak check. Cap all autosampler ports and initiate the leak check program using the Entech software. Record this check in the instrument maintenance log.

10.4.4) Analytical Sequence

All Calibration Standards, batch QA and field samples, except for the BFB analysis, have 20mls of the Mixed Gas Stock Standard added in conjunction with any other additions. This addition adds the internal standards and surrogates.

An example analytical sequence that includes initial calibration (ICAL) is provided below. When ICAL is not performed, the sequence begins with the tune standard and is followed by the CCV, LCS, LCSD, and method blank. If sufficient time remains in the 24 hours analytical window after initial calibration, QC and field samples may be analyzed without the CCV and the ICV will serve as the LCS for the sequence. The MB, LCS and LSCD must be analyzed at a frequency of every 20 samples or with each analytical sequence whichever is more frequent.

1. Tune Standard (BFB)
2. ICAL
3. ICV
4. CCV
5. LCS (repeat every 20 samples)
6. LCSD (when requested)
7. MB (repeat every 20 samples)
8. Field Samples (including trip blanks)

Attach the canisters to the autosampler inlet in the order of the analytical sequence then initiate the analytical sequence. The autosampler introduces 200 mL of sample volume from each canister to the instrument system and adds 20 mL of the mixed gas

standard to each sample.

Acquire the data and evaluate the results to confirm qualitative identification and quantification.

10.5) Corrective Action

An out-of-control situation may occur that is not adequately addressed in the corrective action table or troubleshooting section. The analyst must use their best analytical judgment and available resources to determine the corrective action to be taken. The analyst should seek the assistance of their immediate supervisor, QA manager or other experienced staff if they are uncertain of the cause of the out-of-control situation.

The analysis must not be resumed until the source of the problem and an in-control status is re-established. All samples associated with the out-of-control situation must be reanalyzed after in-control status has been re-established.

If authorization is received from the Supervisor or QA Manager for release with data qualification, a Non-Conformance Memo (NCM) must be created to notify the project manager, who then notifies the client of the out-of-control situation. Also, the situation may be significant enough that the Supervisor or QA Manager would create a Corrective Action Report (CAR). Refer to the *SOP49967 Nonconformance and Corrective Action Procedures* for further guidance.

11) Calculations/Data Reduction

11.1) Qualitative Identification

The data processing system tentatively identifies target analytes by comparing the retention time of the peaks to the window set around the continuing calibration standard, and searches in that area for the primary ion and up to two secondary ions characteristic of the target analyte.

All tentative identifications made by the computer are reviewed and either accepted or rejected by the primary analyst. The identification made by the system is accepted when the following criteria are met:

- The target analyte is identified by comparison of its background subtracted mass spectrum to a reference spectrum in the NIST14 database. In general, all ions that are present above 10% relative abundance in the mass spectrum of the standard should be present in the mass spectrum of the sample component and their relative abundances should agree within 20%. For example, if an ion has a relative abundance of 30% in the standard spectrum, its abundance in the sample spectrum should be in the range of 10-50%. Some ions, particularly the molecular ion, are of special importance if a tentative identification is to be made and should be evaluated even if they are below 10% relative abundance.
- The GC retention time for the target analyte should be within 0.06 RRT units of the daily standard.

Identification requires expert judgment when sample components are not resolved chromatographically and produce mass spectra containing ions contributed by more than one analyte. When GC peaks obviously represent more than one sample component (i.e., broadened peak with shoulder(s) or valley between two or more maxima), appropriate analyte spectra and background spectra can be selected by examining plots of characteristic ions for tentatively identified components.

When analytes coelute (i.e., only one GC peak is apparent), the identification criteria can be met but each analyte spectrum will contain extraneous ions contributed by the coeluting compound. If the data system does not properly integrate a peak, perform manual integration. All manual integration must be performed and documented in accordance with corporate *SOP43862 Manual Integrations*.

11.2) Quantification of Target Analytes

After a compound has been identified, the data system quantifies the on-column concentration of the target compound based on the integrated abundance of the characteristic ion from the EICP. If there is matrix interference with the primary ion, a secondary ion may be used for quantification by calculating a mean RF factor for that ion and using that ion to quantify the analyte in the sample. When secondary ion calculations are required, include this information in the non-conformance report and project narrative.

Samples analyzed for constituent groups, ranges, and or unresolved complex mixtures are quantified as follows;

11.2.1) TVOC as Toluene

An internal standard type of quantification response factor is generated using the RIC peak response measured for Toluene and its associated internal standard (as detailed in the calculation section). That response factor is used to quantify all RIC chromatographic sample response with the exception of those peak responses associated with internal standards. The results are reported as 'TVOC (as Toluene)'.

Retention Time Range: Propene to Naphthalene

11.2.2) GRO as Octane

An internal standard type of quantification response factor is generated using the RIC peak response measured for Octane and its associated internal standard (as detailed in the calculation section). That response factor is used to quantify all RIC chromatographic sample response with the exception of those peak responses associated with internal standards that eluted within the retention time range as defined by the elution of 2-Methyl-Butane through Decane (C5-C10). The results are reported as 'GRO (as Octane).

Retention Time Range: 2-Methyl-Butane to n-Decane

11.2.3) Unresolved Complex mixtures

An internal standard type of quantification response factor is generated using the RIC peak response measured for the un-resolved complex mixture (i.e. the gasoline envelope) and its associated internal standard (as detailed in the calculation section). That response factor is used to quantify all similarly chromatographing RIC sample response with the exception of those peak responses associated with internal standards. The results are reported using the name of the unresolved complex mixture used in the calibration (e.g. Total Hydrocarbons).

Retention Time Range: Propene to Naphthalene

Final results are calculated in TALS

11.3) Calculations

Analytical results are calculated as follows:

Dilution Factor

DF = (V2/V1) x (V4/V3)

Where:
V1 = Pre-Dilution Canister Volume
V2 = Post-Dilution Canister Volume
V4 = Base Sample Amount (200 mL)

Relative Response Factor (RRF)

RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
Ax = Area of the quantitation ion of the analyte
Ais = Area of the quantitation ion of the internal standard
Cx = Concentration of analyte in concentration units (ppbv)
Cis = Concentration of internal standard in concentration units (ppbv)

Sample Concentration

Cx = [(Ax)(Cis)/(Ais)(Mean RRF)] x (DF)

Where:
Cx = Compound concentration (ppbv)
Cis = Concentration of associated internal standard (ppbv)
Ais = Area of quantitation ion for associated internal standard
Ax = Area of quantitation ion for compound
DF = Dilution Factor
Mean RRF = Average Relative Response Factor from initial calibration.

Unit Conversion from ppbv to ugm3

Analytical Result(ug/m3) = Result(ppbv) x (MW/24.45)

Where:
MW = molecular Weight

Example:
Benzene Result = 56 ppbv
Benzene mw = 78.108

Analytical Result(ug/m3) = 56ppbv x (78.108/24.45)

Result(ug/m3) = 178.9 ug/m3 reported as 180 ug/m3

Percent Recovery (%R)

%R = (Cs/Cn) x 100

Where:
Cs = Concentration of the spiked sample (ppbv)
Cn = Nominal concentration of spike added (ppbv)

Precision (%RPD)

%RPD = [(|C1-C2|)/((C1+C2)/2) x 100

Where:
C1 = Measured concentration of the first sample aliquot
C2 = Measured concentration of the second sample aliquot

Formula of Standard Addition:

Volume (mL) = (FR x T) + 25 mL

Where:
FR = flow rate in mL/min
T= time in minutes

Example:
FR = 70ml/min
Time = 10.69 minutes
Volume = 25+ (70 x 10.69) = 773 mL

Total Volume of diluted standard

Volume (mL) = CV x P

Where:
CV = canister volume in mL
P = pressure in Bar (14.7psi per Bar)

Example:
CV = 6185 mL
P= 2.5 Bar
Volume = 15462 mL

11.4) Data Review

11.4.1) Primary Review (Performed by Primary Analyst)

Upload the data files to TALS. Enter batch editor information and add the standards and reagents to the TALS batch. Review the results against acceptance criteria. If acceptance criteria are not met, make arrangements to perform corrective action.

Check the results of samples analyzed immediately after high concentration samples for signs of carry-over. Reanalyze the sample if carry over is suspected.

Dilute and reanalyze samples whose results exceed the calibration range. The diluted analysis should result in a determination within the upper half of the calibration curve.

If samples are run at dilution, there should be a target peak that is at least 20% of the calibrated range but preferably in the upper half of the range or there should be an abundance of TICs which preclude a more concentrated analysis, or the sample should show matrix effects which preclude a more concentrated analysis. If a sample is diluted due to TICs or matrix, an NCM should be written explaining the reason for dilution.

Set results to primary, secondary, acceptable or rejected as appropriate.

Verify corrective action was taken for all results not within acceptance criteria. If corrective action is not taken or was unsuccessful, record all instances where criteria are not met with a nonconformance memo (NCM). Be sure to provide

explanation of your decision making in the internal comment section of the NCM. The internal comment section should list the reason the NCM is suspected, which action (if any) was taken and why, and the outcome of the action taken. Refer to the *SOP49967 Nonconformance and Corrective Action Procedures* for further guidance.

Review project documents such as the Project Plan (PP), Project Memo or any other document/process used to communicate project requirements to ensure those project requirements were met. If project requirements were not met, immediately notify the project manager (PM) to determine an appropriate course of action.

Review that QC links have been properly made and run the data review checker (DRC) and address any anomalies.

Set the batch to 1st level review and record your review on the data review checklist.

11.4.2) Secondary Review (Performed by Peer Reviewer)

Review the project documents such as the Project Plan (PP), Project Memo or any other document/process used to communicate project requirements and verify project requirements were met. If project requirements were not met, immediately notify the project manager (PM) to determine an appropriate course of action.

Review records (these records include but are not limited to the Pre-Shipment Clean Canister Certification Report, Flow Controller Set Flow Rate and Leak Check Record, Field Test Data Sheets, and the Air Canister Return Pressure Check Record) associated with release and return of air sampling equipment to ensure all anomalies are properly recorded. Compare any problems noted in these documents with the analytical results and record any findings in the narrative note program or otherwise communicate your findings to the PM for inclusion in the project narrative.

Review the TALS batch editor to verify information is complete. Review the batch to verify that the procedures in this SOP were followed. If discrepancy is found, resolve the discrepancy and verify any modifications to the SOP were approved and properly documented.

Spot-check 15% of samples in the batch to verify quantitative and qualitative identification. If the samples are being analyzed under DoD methods 100% of data must be checked during secondary review.

If manual integrations were performed:

- Review all integrations to verify that the integration meets the requirements for manual integration as specified in corporate SOP CA-Q-S-002. If an error is suspected or found, consult with the analyst that performed the integration and request correction or notify the Department Manager or QA Manager. Do not "fix" the integration. Reintegration by a secondary data reviewer must not be performed except in limited circumstances as approved by the department supervisor or other laboratory management. If those instances where the secondary reviewer performs the integration, this person is now considered the primary analyst and each integration performed by the secondary reviewer must be subsequently reviewed by a peer analyst or the department supervisor to verify the integration is consistent and compliant with the requirements specified in corporate SOP CA-Q-S-002.
- Check to ensure an appropriate technical reason code is provided for all manual integrations.

Verify that the performance criteria for the QC items listed in TO15 QC Summary & Recommended Corrective Action table in Appendix were met. If the results do not fall within the established limits, verify that corrective actions were performed. If corrective action was not performed; verify the reason is provided and that the situation is properly documented with an NCM. Set samples to 2nd level review. Record second level review on the data review checklist.

Run and review the deliverable. Fix any problems found. When complete set the method chain to lab complete and forward any paperwork to report/project management.

11.5) TO15 Poor Performing Analytes

NOTE: *Statistically derived limits will be no wider than 50-150%R for poor performing compounds.*

Compounds with a high boiling point which is beyond the range of typical gas compounds.

- Dodecane
- 1,2,4-Trichlorobenzene
- Hexachlorobutadiene
- Naphthalene
- 1,2,3-Trichlorobenzene

The following compounds change how they act on the traps depending on the humidity of the standard.

- 3-chloro-1-propene
- Bromoform

The following compounds are very polar and are linked to the water in the standard. Since we remove most of the water during the trapping process, a little change can produce a big result. For example removing 95% of the water instead of 94% of the water will have a negligible affect on non-polar compounds, but a 20% difference for polar compounds.

- Ethanol (made from neat material and is not part of the standard TO-15 calibration gas mix due to high reactivity
- Ethyl ether
- Acrolein
- Acetone
- Isopropyl alcohol
- 2-butanone
- Tetrahydrofuran
- 2-hexanone

11.6) Data Reporting

Report analytical results above the reporting limit (RL) as the value found. Report analytical results less than the RL, to the adjusted RL with a "U" data qualifier. If the data is to be reported to the method detection limit (MDL) the analytical results between the RL and the MDL are reported with an "estimated" footnote. Adjust the RL and MDL for sample dilution/concentration. The unadjusted RL for each target analyte is provided in Routine Compound List and TO-3 Analyte List tables. For Method TO3 the laboratory does not report values below the reporting limit.

Data reporting and creation of the data deliverable is performed by TALS using the formatters set by the project manager during project initiation.

Electronic and hardcopy data are maintained as described in laboratory *SOP49966 Management, Retention Storage and Archive of Data Records*.

12) Method Performance

12.1) Method Detection Limit Study (MDL)

Perform a method detection limit (MDL) study at initial method set-up following the procedures specified in laboratory SOP BR-QA-005,

12.2) Training Requirements and Demonstration of Capabilities

The Group Leader is responsible for ensuring that this procedure is performed by an associate who has been properly trained in its use and has the required experience. The Group Leader is also responsible for the documentation of this training.

All personnel are required to perform an initial demonstration of proficiency (IDOC) on the portion of the method they will be performing prior to working independently. Annually thereafter, the analyst must document continuing demonstration of capability (CDOC). See requirements for demonstration of analyst proficiency in *SOP52264 Employee Training and Analyst Demonstration of Proficiency*.

13) Pollution Control

It is Eurofins Burlington's policy to evaluate each method and look for opportunities to minimize waste generated (i.e., examine recycling options, ordering chemicals based on quantity needed, preparation of reagents based on anticipated usage and reagent stability). Employees must abide by the policies in NDSC-USEHS-*QP46060 NDSC HSE Manual*.

14) Waste Management

Waste management practices are conducted consistent with all applicable rules and regulations. Excess reagents, samples and method process wastes are disposed of in an accepted manner. Waste description rules and land disposal restrictions are followed. Waste disposal procedures are incorporated by reference to *SOP47863 Tracking and Collecting of Hazardous Waste* and *SOP48269 Procedure for Acceptance and Handling of USDA Regulated Domestic and Foreign Soil*.

The following waste streams are produced when this method is carried out:

- None

15) Method Modifications

- This SOP utilizes and alternative detector (mass spectrometer) vs that of a FID and/or ECD as listed in the published method. (TO3)

- This SOP describes a method where an aliquot of a whole air sample collected in a passivated stainless-steel canister is cryogenically trapped and concentrated prior to injection into the MS detector equipped GC. (TO3)
- This Method SOP utilizes an RTX-624 capillary column (60M x 0.32 mm ID x 0.18um). (TO3, TO15)
- Additional quality control aspects are employed in the use of this method based on the alternative detector type, specifically, the detector tune is verified at the beginning of each period of analysis prior to the acquisition on any standard, blank, QC sample or field sample. (TO3)
- This Method SOP does not utilize sub ambient column oven temperature programming. (TO3, TO15)
- Sample traps consist of a multi bed system employing Tenax and glass beads (see manufactures system description: Entech Model 7100 Sample Pre-Concentrator). (TO15)
- Sampling apparatus consists of passivated stainless-steel canister specifically design for the collection of ambient air samples for volatile analysis (TO3)
- Nafion dryers are not used. The analytical pre-concentration system employs a moisture control system consisting of multi sorbent bed traps. (TO15)
- System calibration is verified every 24 hours within which samples are analyzed. System linearity is not verified every 4-6 hours as described. (TO3)
- Published Method requires weekly multi-point calibration be performed. Laboratory performs multi-point calibrations as necessary see section 10.2 (TO3)
- System linearity is determined through multi point calibration utilizing average response factors and internal standard technique quantification (see Section 10).(TO3)
- This SOP is applied to more than just the ambient air listed as a matrix by the method (TO15)

16) Appendices

16.1) Routine Compound List, Reporting Limit, Internal Standard and Ion Assignments

Analyte	CAS #	6L RL (ppbv)	1L RL (ppbv)	Quantifier Mass	Qualifier Mass	Qualifier Mass	ISTD Group	Analyte Group
Dichlorodifluoromethane	75-71-8	0.5	5	85	87		1	B
Chlorodifluoromethane	75-45-6	0.5	5	51	67	69	1	B
1,2-Dichlorotetrafluoroethane	76-14-2	0.2	2	85	135	87	1	A
Chloromethane	74-87-3	0.5	5	50	52		1	B
n-Butane	106-97-8	0.5	5	43	41	58	1	B
Vinyl Chloride	75-01-4	0.035	0.35	62	64		1	D
1,3-Butadiene	106-99-0	0.035	0.35	54			1	D
Bromomethane	74-83-9	0.2	2	94	96		1	A
Chloroethane	75-00-3	0.5	5	64	66		1	B
Isopentane	78-78-4	0.2	2	43	57	56	1	A
Bromoethene (Vinyl Bromide)	593-60-2	0.2	2	106	108	81	1	A
Trichlorofluoromethane	75-69-4	0.2	2	101	103		1	A
Pentane	109-66-0	0.5	5	43	57	56	1	B
EthylEther	60-29-7	0.2	2	59	45	74	1	A
Acrolein	107-02-8	5	50	56	55	37	1	C
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.2	2	101	151	103	1	A
1,1-Dichloroethene	75-35-4	0.035	0.35	96	161	63	1	A
Acetone	67-64-1	5	50	43	58		1	C
Isopropyl Alcohol	67-63-0	5	50	45	43		1	C
Carbon Disulfide	75-15-0	0.5	5	76			1	B
3-Chloropropene (Allyl Chloride)	107-05-1	0.5	5	41	76		1	B
Acetonitrile	75-05-8	5	50	41	40	39	1	C
Methylene Chloride	75-09-2	0.5	5	49	84	86	1	B
tert-Butyl Alcohol	75-65-0	5	50	59	41	43	1	C
Methyl tert-Butyl Ether	1634-04-4	0.5	5	73	43		1	B
trans-1,2-Dichloroethene	156-60-5	0.2	2	61	96		1	A
n-Hexane	110-54-3	0.2	2	57	86		1	B
1,1-Dichloroethane	75-34-3	0.035	0.35	63	65	83	1	A
Methyl Ethyl Ketone	78-93-3	0.5	5	72	43		1	B
cis-1,2-Dichloroethene	156-59-2	0.035	0.35	96	98	83	1	A
Tetrahydrofuran	109-99-9	5	50	42	72		2	C
Chloroform	67-66-3	0.2	2	83	85		1	A

1,1,1-Trichloroethane	71-55-6	0.2	2	97	99	61	2	A
Cyclohexane	110-82-7	0.2	2	84	56		2	A
Carbon Tetrachloride	56-23-5	0.035	0.35	117	119		2	D
2,2,4-Trimethylpentane	540-84-1	0.2	2	57	41	43	2	A
1,2-Dichloroethene (total)	540-59-0	0.2	2	61	96		1	A
Benzene	71-43-2	0.2	2	78	77		2	A
1,2-Dichloroethane	107-06-2	0.2	2	62	98		2	A
n-Heptane	142-82-5	0.2	2	43	71		2	A
Trichloroethene	79-01-6	0.035	0.35	95	130	132	2	D
Methyl Methacrylate	80-62-6	0.5	56	69	41	39	2	B
1,2-Dichloropropane	78-87-5	0.2	2	63	41		2	A
1,4-Dioxane	123-91-1	5	50	88	58		2	C
Dibromomethane	74-95-3	0.2	2	174	93	172	2	A
Bromodichloromethane	75-27-4	0.2	2	83	85		2	A
cis-1,3-Dichloropropene	10061-01-5	0.2	2	75	110		2	A
Methyl Isobutyl Ketone	108-10-1	0.5	5	43	58		2	B
n-Octane	111-65-9	0.2	2	43	57	114	2	A
Toluene	108-88-3	0.2	2	92	91		3	A
trans-1,3-Dichloropropene	10061-02-6	0.2	2	75	110		2	A
1,1,2-Trichloroethane	79-00-5	0.2	2	83	97	85	3	A
Tetrachloroethene	127-18-4	0.035	0.35	166	168	129	3	D
Methyl Butyl Ketone	591-78-6	0.5	5	43	58		3	B
Dibromochloromethane	124-48-1	0.2	2	129	127		3	A
1,2-Dibromoethane	106-93-4	0.2	2	107	109		3	A
Nonane	111-84-2	0.2	2	57	71	128	3	A
Chlorobenzene	108-90-7	0.2	2	112	77	114	3	A
Ethylbenzene	100-41-4	0.2	2	91	106		3	A
Xylene (m,p)	1330-20-7	0.5	5	106	91		3	A
Xylene (o)	95-47-6	0.2	2	106	91		3	A
Styrene	100-42-5	0.2	2	104	78		3	A
Bromoform	75-25-2	0.2	2	173	175	171	3	A
Cumene	98-82-8	0.2	2	105	120	77	3	A
1,1,2,2-Tetrachloroethane	79-34-5	0.2	2	83	131	85	3	A
Xylene (total)	1330-20-7	0.2	2	106	91		3	A
n-Decane	124-18-5	0.5	5	57	71	142	3	B
n-Propylbenzene	103-65-1	0.2	2	91	120	92	3	A
1,2,3-Trichoropropane	96-18-4	0.5	5	75	110	112	3	B
4-Ethyltoluene	622-96-8	0.2	2	105	120		3	A
1,3,5-Trimethylbenzene	108-67-8	0.2	2	105	120		3	A
2-Chlorotoluene	95-49-8	0.2	2	91	63		3	A
tert-Butylbenzene	98-06-6	0.2	2	119	91	134	3	A
1,2,4-Trimethylbenzene	95-63-6	0.2	2	105	120		3	A
sec-Butylbenzene	135-98-8	0.2	2	105	134	91	3	A
4-Isopropyltoluene	99-87-6	0.2	2	119	134	91	3	A
1,3-Dichlorobenzene	541-73-1	0.2	2	146	111	148	3	A
1,4-Dichlorobenzene	106-46-7	0.2	2	146	111	148	3	A
n-Undecane	1120-21-4	5	50	57	71	156	3	C
Benzyl Chloride	100-44-7	0.2	2	91	126	65	3	A
n-Butylbenzene	104-51-8	0.2	2	91	134	92	3	A
1,2-Dichlorobenzene	95-50-1	0.2	2	146	111	148	3	A
n-Dodecane	112-40-3	5	50	57	71	170	3	C
1,2,4-Trichlorobenzene	120-82-1	0.5	5	180	182		3	B
1,3-Hexachlorobutadiene	87-68-3	0.2	2	225	223		3	A
Naphthalene	91-20-3	0.5	5	128			3	B
1,2,3-Trichlorobenzene	87-61-6	0.2	2	180	182	145	3	A
Propylene	115-07-1	5	50	41	42	39	1	C

Vinyl Acetate	108-05-4	5	50	43	86		1	C
Ethyl Acetate	141-78-6	5	50	43	74		1	C
Ethanol	64-17-5	5	50	46	45		1	E
Bromochloromethane	74-97-5	NA	NA	128	49	130	1	NA
1,4-Difluorobenzene	540-36-3	NA	NA	114			2	NA
Chlorobenzene-d5	3114-55-4	NA	NA	117			3	NA

16.2) TO-3 Analyte List, Reporting Limit, Internal Standard and Ion Assignments

Analyte	CAS No.	RL (ppbv)	Qualifier Ion	Qualifier Ion	Qualifier Ion	ISTD Group
n-Octane	111-65-9	0.2	43	57	114	2
Toluene	108-88-3	0.2	92	91		3
TVOC as Toluene	NA	11				NA
GRO as Octane	NA	14				NA
Total Hydrocarbons	NA	76 ug/m3				NA
Internal Standards						
Bromochloromethane	74-97-5	NA	128	49	130	1
1,4-Difluorobenzene	540-36-3	NA	114			2
Chlorobenzene-d5	3114-55-4	NA	117			3

16.3) Tune Standard Criteria

Mass	Ion Abundance Criteria
50	8.0 to 40.0 percent of mass 95
75	30.0 to 66.0 percent of mass 95
95	Base Peak, 100 percent relative abundance
96	5.0 to 9.0 percent of mass 95
173	Less than 2.0 percent of mass 174
174	50.0 to 120.0 percent of mass 95
175	4.0 to 9.0 percent of mass 174
176	93.0 to 101.0 percent of mass 174
177	5.0 to 9.0 percent of mass 176

16.4) QC Summary & Recommended Corrective Action (Routine and DoD)

QC Check	Frequency	Acceptance Criteria	Recommended Corrective Action
Tune Standard	Prior to calibration and every 24 hours	See Tune Standard Criteria table	Correct Problem. Reanalyze. No samples may be analyzed without a valid tune.
Initial Calibration	Prior to sample analysis and when CCV fails	RSD for each analyte ≤ 30% with 2 exceptions up to 40% (if allowed). Individual Calibration points: < 30% Error, except < 50% for the lowest calibration point	Correct problem and repeat calibration

RRT	With each calibration	RRT of each target analyte in each calibration standard within ± 0.006 RRT units	Correct Problem. Repeat ICAL
ICV	Once after each ICAL	%R 70-130 for all analytes	Correct Problem. Reanalyze, re-make, re-verify & re-analyze. If that fails, re-make all standards and repeat calibration
CCV	Daily before sample analysis after tune standard	%Difference ≤ 30	Correct Problem. Reanalyze once. If that fails, see Section 10.3.9 for instruction.
LCS	Each batch or every 20 samples, whichever is sooner.	%Recovery 70-130%	Reanalyze LCS, re-prep and reanalyze LCS, and all associated samples if sufficient sample volume is available. If corrective action not successful, initiate nonconformance report and qualify sample results.
LCSD	Each batch or every 20 samples, only if there is no Sample Duplicate, or per client request	Relative Percent Difference (RPD) ≤ 25%	Reanalyze LCSD, re-prep and reanalyze LCS, LCSD and all associated samples if sufficient sample volume is available. If corrective action not successful, initiate nonconformance report and qualify sample results.
Method Blank	Each batch or every 20 samples, whichever is sooner.	< Reporting Limit	Reanalyze along with associated samples, unless detects for same compounds found in blank are greater than 10X the concentration found in the blank.
Internal Standards	All standards, field and QC samples	+/- 40% area response from last acceptable calibration. RT +/- 0.33 min (20 seconds) from last acceptable calibration.	Inspect system for malfunction. Reanalyze samples. Qualify data.
Sample Duplicate	Each batch or every 20 samples, if volume allows	Relative Percent Difference (RPD) ≤ 25%	Consult with PM. Reanalyze or qualify data.

16.5) In-house LCS limits

Analyte	CAS #	In-House Lower Limit (%R)	In-House Upper Limit (%R)	Relative Percent Difference (%)
Dichlorodifluoromethane	75-71-8	61	142	25
Chlorodifluoromethane	75-45-6	60	147	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	71	141	25
Chloromethane	74-87-3	56	141	25
n-Butane	106-97-8	53	151	25
Vinyl Chloride	75-01-4	61	135	25
1,3-Butadiene	106-99-0	58	139	25
Bromomethane	74-83-9	72	124	25
Chloroethane	75-00-3	68	130	25
Isopentane	78-78-4	56	150	25
Bromoethene (Vinyl Bromide)	593-60-2	75	125	25
Trichlorofluoromethane	75-69-4	70	129	25
Pentane	109-66-0	59	152	25
EthylEther	60-29-7	71	143	25
Acrolein	107-02-8	50*	150*	25
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	70	121	25
1,1-Dichloroethene	75-35-4	68	120	25
Acetone	67-64-1	54	154	25
Isopropyl Alcohol	67-63-0	53	142	25
Carbon Disulfide	75-15-0	71	138	25
3-Chloropropene (Allyl Chloride)	107-05-1	50*	150*	25

Acetonitrile	75-05-8	60	154	25
Methylene Chloride	75-09-2	59	137	25
tert-Butyl Alcohol	75-65-0	66	132	25
Methyl tert-Butyl Ether	1634-04-4	70	127	25
trans-1,2-Dichloroethene	156-60-5	69	137	25
n-Hexane	110-54-3	63	138	25
1,1-Dichloroethane	75-34-3	66	130	25
Methyl Ethyl Ketone	78-93-3	72	124	25
cis-1,2-Dichloroethene	156-59-2	72	121	25
Tetrahydrofuran	109-99-9	60	149	25
Chloroform	67-66-3	73	124	25
1,1,1-Trichloroethane	71-55-6	72	127	25
Cyclohexane	110-82-7	76	124	25
Carbon Tetrachloride	56-23-5	71	133	25
2,2,4-Trimethylpentane	540-84-1	68	131	25
1,2-Dichloroethene (total)	540-59-0	73	126	25
Benzene	71-43-2	73	119	25
1,2-Dichloroethane	107-06-2	68	135	25
n-Heptane	142-82-5	60	142	25
Trichloroethene	79-01-6	73	122	25
Methyl Methacrylate	80-62-6	73	129	25
1,2-Dichloropropane	78-87-5	69	128	25
1,4-Dioxane	123-91-1	66	129	25
Dibromomethane	74-95-3	68	126	25
Bromodichloromethane	75-27-4	75	127	25
cis-1,3-Dichloropropene	10061-01-5	74	125	25
Methyl Isobutyl Ketone	108-10-1	58	144	25
n-Octane	111-65-9	62	144	25
Toluene	108-88-3	75	122	25
trans-1,3-Dichloropropene	10061-02-6	74	128	25
1,1,2-Trichloroethane	79-00-5	75	126	25
Tetrachloroethene	127-18-4	70	125	25
Methyl Butyl Ketone	591-78-6	57	143	25
Dibromochloromethane	124-48-1	73	125	25
1,2-Dibromoethane	106-93-4	78	122	25
Nonane	111-84-2	70	131	25
Chlorobenzene	108-90-7	76	119	25
Ethylbenzene	100-41-4	74	122	25
Xylene (m,p)	1330-20-7	76	121	25
Xylene (o)	95-47-6	73	123	25
Styrene	100-42-5	74	125	25
Bromoform	75-25-2	53	149	25
Cumene	98-82-8	73	123	25
1,1,2,2-Tetrachloroethane	79-34-5	74	126	25
Xylene (total)	1330-20-7	75	122	25
n-Decane	124-18-5	68	134	25
n-Propylbenzene	103-65-1	73	127	25
1,2,3-Trichoropropane	96-18-4	71	125	25
4-Ethyltoluene	622-96-8	75	129	25
1,3,5-Trimethylbenzene	108-67-8	72	126	25
2-Chlorotoluene	95-49-8	74	126	25
tert-Butylbenzene	98-06-6	71	125	25
1,2,4-Trimethylbenzene	95-63-6	71	129	25
sec-Butylbenzene	135-98-8	70	128	25
4-Isopropyltoluene	99-87-6	68	130	25
1,3-Dichlorobenzene	541-73-1	69	131	25
1,4-Dichlorobenzene	106-46-7	67	132	25
n-Undecane	1120-21-4	62	136	25
Benzyl Chloride	100-44-7	60	136	25
n-Butylbenzene	104-51-8	65	137	25

1,2-Dichlorobenzene	95-50-1	68	129	25
n-Dodecane	112-40-3	50*	150*	25
1,2,4-Trichlorobenzene	120-82-1	50*	150*	25
1,3-Hexachlorobutadiene	87-68-3	58	130	25
Naphthalene	91-20-3	50*	150*	25
1,2,3-Trichlorobenzene	87-61-6	50*	150*	25
Propylene	115-07-1	50*	150*	25
Vinyl Acetate	108-05-4	59	149	25
Ethyl Acetate	141-78-6	70	131	25
Ethanol	64-17-5	50*	150*	25

*These are poor performing compounds. Limits for poor performing compounds will be no wider than 50-150%.
**The limits in this table are those in effect as of the published date of this SOP. These limits are based on historical data and are subject to change. Current in-house limits are populated in the LIMS database. Contact a laboratory representative for the most current set of limits. Limit Ref: 2019CCTO15

16.6) Appendix A: Terms and Definitions

Acceptance Criteria: Specified limits placed on characteristics of an item, process or service defined in requirement documents.
Accuracy: The degree of agreement between an observed value and an accepted reference value. Accuracy includes a combination of random error (precision) and systematic error (bias) components which are due to sampling and analytical operations; a data quality indicator.
Analyte: The specific chemicals or components for which a sample is analyzed. (EPA Risk Assessment Guide for Superfund, OSHA Glossary).
Batch: Environmental samples that are prepared and/or analyzed together with the same process, using the same lot(s) of reagents. A preparation/digestion batch is composed of one to 20 environmental samples of similar matrix, meeting the above criteria. An analytical batch is composed of prepared environmental samples (extracts, digestates and concentrates), which are analyzed together as a group.
Calibration: a set of operations that establish, under specified conditions, the relationship between values of quantities indicated by a measuring instrument or measuring system, or values represented by a material measure or a reference material and the corresponding values realized by the standards.
Calibration Curve: the graphical relationship between the known values or a series of calibration standards and their instrument response.
Calibration Standard: A substance or reference used to calibrate an instrument.
Continuing Calibration Verification (CCV): An analytical standard gas mixture containing all target analytes and internal standard compounds that is used to evaluate the performance of the instrument system with respect to a defined set of method criteria.
Corrective Action: the action taken to eliminate the cause of an existing nonconformity, defect or other undesirable occurrence in order to prevent recurrence.
Cryogen: A refrigerant used to obtain very low temperatures in the cryogenic trap of the analytical system. A typical cryogen is liquid nitrogen (bp -195.8°C) or liquid argon (bp -185.7°C).
Demonstration of Capability (DOC): procedure to establish the ability to generate acceptable accuracy and precision.
Holding Time: the maximum time that a sample may be held before preparation and/or analysis as promulgated by regulation or as specified in a test method.
Initial Calibration: Analysis of analytical standards for a series of different specified concentrations used to define the quantitative response, linearity and dynamic range of the instrument to target analytes.
Initial Calibration Verification (ICV): An analytical standard mixture containing all target analytes and internal standard compounds that are prepared from a source independent of the source of the initial calibration standards. The purpose of the ICV is to verify that the initial calibration is in control.
Intermediate Standard: a solution made from one or more stock standards at a concentration between the stock and working standard. Intermediate standards may be certified stock standard solutions purchased from a vendor and are also known as secondary standards.
Internal Standards (IS): Non-target analytes that are similar to the target analytes but are not expected to be found in environmental media (generally, isotopically labeled target analytes are used for this purpose). IS are added to every standard, quality control sample, and field sample at a known concentration prior to analysis. IS responses are used as the basis for quantitation of target analytes.
Laboratory Control Sample (LCS): A QC sample of known composition spiked with analytes of interest. The LCS evaluates method performance and ability to successfully recover target analytes from a clean matrix. LCS recovery is typically expressed as percent recovery and provides a measure of accuracy. A LCSD is a duplicate LCS prepared and analyzed from a separate canister to provide a measure of replicate precision.
Method Blank (MB): A canister of humidified ultra pure zero air that is treated exactly as a sample. The MBLK is used to determine if method analytes or other interferences are present in the laboratory environment, the reagents, or the apparatus.
Method Detection Limit (MDL): the minimum amount of a substance that can be measured with a specified degree of confidence that the amount is greater than zero using a specific measurement system. The MDL is a statistical estimation at a specified confidence interval of the concentration at which relative uncertainty is ±100%. The MDL represents a range where qualitative detection occurs. Quantitative results are not produced in this range.
Non-conformance: an indication, judgment, or state of not having met the requirements of the relevant specification, contract or regulation.

Precision: the degree to which a set of observations or measurements of the same property, obtained under similar conditions, conform to themselves.
Quality Control Sample (QC): a sample used to assess the performance of all or a portion of the measurement system.
Reporting Limit (RL): the level to which data is reported for a specific test method and/or sample.
Stock Gas Mixture: A Commercially purchased concentrated gas mixture containing one or more method analytes

16.7) Appendix B: Standard Preparation Tables

The standard formulations contained in this appendix are recommended and are subject to change. If the concentration or volume of any of the stock standard changes, the standard preparation instructions must be adjusted accordingly. See laboratory *SOP52272 Traceability, Handling, and Storage of Standards and Reagents* for further guidance on the preparation of standard solutions.

Prepare all standards using the McMillan Company 80SD mass flow controller. Prepare the standard in zero air, demonstrated to be analyte free. Store the standard at ambient temperature. Unless otherwise specified, assign an expiration date of 30 days from date of preparation unless the parent standard expires earlier, in which case, use the earliest expiration date.

Intermediate Calibration Standard

Parent Standard	Vendor	Stock Standard Concentration (ppmv)	Volume Added (mL)	Final Volume (L)	Final Concentration (ppbv)
Custom Calibration Stock Standard	Spectra Gases Custom Made	1.0	7500	37.5	200

Prepare in 15 L Summa Canister. Expiration Period 3months
This standard contains all the target analytes listed in the Routine Compound Table.

Working Calibration Standards

Parent Standard	Calibration Standard	Parent Standard Concentration (ppbv)	Volume Added (mL)	Final Volume (L)	Final Concentration (ppbv)
Cal Standard 20 ppbv	Cal Standard 0.2 ppbv	20	155	15.46	0.2
Cal Standard 20 ppbv	Cal Standard 0.5 ppbv	20	386	15.46	0.5
Intermediate Calibration Standard	Cal Standard 5 ppbv	200	386	15.46	5
Intermediate Calibration Standard	Cal Standard 10 ppbv	200	773	15.46	10
Intermediate Calibration Standard	Cal Standard 15 ppbv	200	1160	15.46	15
Intermediate Calibration Standard	Cal Standard 20 ppbv	200	1546	15.46	20
Intermediate Calibration Standard	Cal Standard 40 ppbv	200	3092	15.46	40

Prepare in 6 L Summa Canister Expiration Period 3 months
Each calibration standard contains all the analytes listed in the Routine Compound Table at the above concentrations.

Intermediate ICV/LCS Standard

Parent Standard	Vendor	Stock Standard Concentration (ppmv)	Volume Added (mL)	Final Volume (L)	Final Concentration (ppbv)
ICV Stock Standard	Spectra Gases Custom Made	1.0	7500	37.5	200

Prepare in 15L Summa Canister Expiration period 3 months
This standard contains all target analytes listed in Routine Compound Table.

Working ICV/LCS Standard

Parent Standard	Calibration Standard	Stock Standard Concentration (ppbv)	Volume Added (mL)	Final Volume (L)	Final Concentration (ppbv)
Intermediate ICV/LCS Standard	ICV Standard 10 ppbv	200	773	15.46	10

Prepare in 6L Summa Canister Expiration period 3 months
This standard contains all target analytes listed in Routine Compound Table.

Calibration Level	Working Calibration Standard	Volume Analyzed (mL)	Concentration on Column (ppbv)
Calibration Level 1	Cal Standard 0.2 ppbv	40	0.04
Calibration Level 2	Cal Standard 0.2 ppbv	200	0.2

Calibration Level 3	Cal Standard 0.5 ppbv	200	0.5
Calibration Level 4	Cal Standard 5 ppbv	200	5
Calibration Level 5	Cal Standard 10 ppbv	200	10
Calibration Level 6	Cal Standard 15 ppbv	200	15
Calibration Level 7	Cal Standard 20 ppbv	200	20
Calibration Level 8	Cal Standard 40 ppbv	200	40
ICV	Intermediate ICV 10ppb	200	10

Prepare in 6L Summa Canister

Intermediate Ethanol Calibration Standard at 500ppbv/v

1. Fill a 44 ml VOA vial with VOA free water. Remove 197ul of water from the vial.
2. Add 197 ul of >99.5% Ethanol neat material
3. Cap and shake/roll vial for 1 minute
4. Inject 10ul of the prepared water/ethanol mix into a fully evacuated 15 liter summa canister
5. Pump the syringe plunger 5 times to insure complete transfer of material
6. Immediately fill the canister to 22 psig with zero air.

Calibration Level	Working Calibration Standard	Volume added (mL)	Concentration on Column (ppbv)
Calibration Level 1	Cal Standard 0.5 ppbv	124	5
Calibration Level 2	Cal Standard 5.0 ppbv	309	10
Calibration Level 3	Cal Standard 10ppbv	464	15
Calibration Level 4	Cal Standard 15 ppbv	618	20
Calibration Level 5	Cal Standard 20 ppbv	1237	40
Calibration Level 6	Cal Standard 40 ppbv	3092	100

DC-SOP49966 Management, Retention, Storage and Archive of Data Records
EHS-SOP47863 Tracking and Collecting of Hazardous Waste
EHS-SOP48269 Procedure for Acceptance and Handling of USDA Regulated Domestic and Foreign Soil
EHS-SOP49961 Burlington Laboratory Corporate Safety Manual Addendum and Contingency Plan
EQ-SOP48255 Canister Cleaning, Certification and Sampling Kit Preparation
EQ-SOP52272 Traceability, Handling, & Storage of Standards & Reagents
ML-SOP49965 Procedures for Control Charts, Trend Analysis and In-House Limits
NC-SOP49967 Nonconformance and Corrective Action Procedures
QA-QM52862 Quality Assurance Manual
SM-SOP49959 Sample Management
TR-SOP52264 Employee Training and Analyst Demonstration of Competence
NDSC-ETHC-SOP43862 Manual Integrations
NDSC-US-EHS-QP46060 NDSC HSE Manual

End of document

Version history

Version	Approval	Revision information	
14	03.FEB.2022		
15	21.APR.2023	Conversion to HTML format and full review	
16	29.JAN.2024	SOP Review & Update. Due to database migration, some review by analysts and approval by supervisors are documented outside of D4 in QA SOP directory.	

eurofins	Always check on-line for validity.	Level:
Document number: **T-PFAS-WI69608**	**Aqueous PFAS Prep by SPE and Analysis by LC-MS-MS by EPA 1633 and EPA 1633A**	**Work Instruction**
Old Reference:		
Version: **5**		Organisation level: **5-Sub-BU**
Approved by: **TYZ8** Effective Date: **11-MAR-2025**	Document users: **5_EUUSLA_PFAS_Manager, 6_EUUSLA_PFAS_Analyst, 6_EUUSLA_PFAS_BKK_Data_Reviewers, 6_EUUSLA_PFAS_Data_Reviewers, 6_EUUSLA_PFAS_Management_Team, 6_EUUSLA_PFAS_Sample_Prep**	Responsible: **5_EUUSLA_PFAS_Manager**

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Revision Log
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Basic Principles
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Revision Log

	Revision: 05	**Effective date:** This version
Section	**Justification**	**Changes**
Revision Log	Formatting requirement	Removed revision logs up to the previous version
References	Enhancement	Added Revision A
Cross Reference	Enhancement	Added Prescreen SOP QC Rotation form
Reagents and Standards	Enhancement	Added sand
Procedure	Enhancement	Added 5% solids visual standard prep instructions. Added reconstitution standard prep instructions. Added pre-prep dilution instruction section. Added data types. Clarified Manual SPE steps. Added requirement for to rotate QC.

	Revision: 04	**Effective date:** 31.OCT.2024
Section	**Justification**	**Changes**
Revision Log	Formatting requirement	Removed revision logs up to the previous version
Apparatus and Equipment	Enhancement	Added missing vendors. Standards are stored in the dark.
Calibration	Enhancement	CCVs are run every 10 injections of field sample extracts
Reagents and Standards	Enhancement	Added missing vendors.
Procedure A, B, C	Clarification	Clarified prep procedure
Procedure D	Clarification	removed references to Cal0. Added additional ICB in sequence. Rearranged section.
Procedure E	Enhancement	Added section to address dilutions
QA/QC	Clarification	IAR ratio is based off the mid-point CCV standard
Attachments	Clarification	Updates to Att 01, 02, 11,12, 16

Reference

1. USEPA Method 1633, Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS, January 2024.

2. USEPA Method 1633 Revision A, Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS, December 2024.

3. Chemical Hygiene Plan, current version.

Cross Reference

Document	Document Title
T-PEST-WI9847	Common Equations Used During Chromatographic Analyses
QA-SOP11178	Demonstrations of Capability
QA-SOP11892	Determining Method Detection Limits and Limits of Quantitation
G-DC-FRM23907	Redacted SOPs
T-PFAS-WI21568	Environmental Monitoring in the PFAS Lab
T-PFAS-WI23588	Preventative and Corrective Maintenance for the AB Sciex Liquid Chromatograph Mass Spectrometers (LC/MS/MS)
T-PFAS-WI50447	PFAS Prescreen Method in Water Samples Requesting PFAS by Isotope Dilution
T-PFAS-FRM80101	D4033 - QC Rotation Tracking

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Scope

This method is applicable for the determination of selected per- and polyfluorinated alkyl substances (PFAS) in aqueous samples to include non-potable waters and non-regulatory potable water when directed by the client. The compounds analyzed in this method are listed in the table below. The most current MDLs and LOQs are listed in the LIMS. Compounds other than those listed may be analyzed by client request.

Analyte	Acronym	CAS#
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA	307-24-4
Perfluoroheptanoic acid	PFHpA	375-85-9
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorononanoic acid	PFNA	375-95-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluoroundecanoic acid	PFUnA	2058-94-8
Perfluorododecanoic acid	PFDoA	307-55-1
Perfluorotridecanoic acid	PFTrDA	72629-94-8
Perfluorotetradecanoic acid	PFTeDA	376-06-7
Perfluorobutanesulfonic acid	PFBS	375-73-5
Perfluoropentanesulfonic acid	PFPeS	2706-91-4
Perfluorohexanesulfonic acid	PFHxS	355-46-4
Perfluoroheptanesulfonic acid	PFHpS	375-92-8
Perfluorooctanesulfonic acid	PFOS	1763-23-1
Perfluorononanesulfonic acid	PFNS	68259-12-1
Perfluorodecanesulfonic acid	PFDS	335-77-3
Perfluorododecanesulfonic acid	PFDoS	79780-39-5
1H,1H,2H,2H-Perfluorohexane sulfonic acid	4:2 FTS	757124-72-4
1H,1H,2H,2H-Perfluorooctane sulfonic acid	6:2 FTS	27619-97-2
1H,1H,2H,2H-Perfluorodecane sulfonic acid	8:2 FTS	39108-34-4
Perfluorooctanesulfonamide	PFOSA	754-91-6
N-methylperfluorooctane sulfonamide	NMeFOSA, N-MePFOSA	31506-32-8
N-ethylperfluorooctane sulfonamide	NEtFOSA, N-EtPFOSA	4151-50-2
N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9
N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6
N-methylperfluorooctane sulfonamidoethanol	NMeFOSE, NMePFOSAE	24448-09-7
N-ethylperfluorooctane sulfonamidoethanol	NEtFOSE, NEtFOSAE	1691-99-2

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Analyte	Acronym	CAS#
Hexafluoropropylene Oxide Dimer Acid	HFPO-DA, GenX	13252-13-6
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4 *
Perfluoro-3-methoxypropanoic acid	PFMPA, PFECA F	377-73-1
Perfluoro-4-methoxybutanoic acid	PFMBA, PFECA A	863090-89-5
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA, PFECA B	151772-58-6
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	756426-58-1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9
3-Perfluoropropylpropanoic acid	3:3 FTCA	356-02-5
3-Perfluoropentylpropanoic acid	5:3 FTCA	914637-49-3
3-Perfluoroheptylpropanoic acid	7:3 FTCA	812-70-4
Perfluoro (2-ethoxyethane) sulfonic acid	PFEESA, PES	113507-82-7
Perfluoro-4-ethylcyclohexanesulfonic acid	PFECHS	133201-07-7
Perfluorobutylsulfonamide	FBSA	30334-69-1
Perfluorohexanesulfonamide	FHxSA	41997-13-1

*CAS# for the free acid form of the analyte

Basic Principles

An aqueous sample is fortified with isotopically-labeled extraction standards and is passed through a solid phase extraction (SPE) cartridge to extract the analytes. The compounds are eluted from the solid phase with a combination of solvents. Carbon cleanup is performed during SPE. The extract is fortified with Isotopically-labeled injection internal standards. It is then analyzed by LC/MS/MS operated in negative electrospray ionization (ESI) mode for detection and quantification of the analytes. Quantitative analysis is performed using isotope dilution.

Reference Modifications

This method is "performance-based," which means that modifications may be made without additional EPA review to improve performance (e.g., overcome interferences, or improve the sensitivity, accuracy, or precision of the results) provided that all performance criteria in this method are met. These options include alternative extraction, concentration, and cleanup procedures, and changes in sample volumes, columns, and detectors. Changes in performance, sensitivity, selectivity, precision, recovery, etc., that result from modifications must be documented, as well as how these modifications compare to the specifications in this method.

Interferences

Compounds which have similar structures to the compounds of interest and similar molecular weights would potentially interfere. Method interferences may be caused by contaminants in solvents, reagents (including reagent water), sample bottles and caps, and other sample processing hardware that lead to discrete artifacts and/or elevated baselines in the chromatograms. The analytes in this method can also be found in many common laboratory supplies and equipment, such as PTFE (polytetrafluoroethylene) products, LC solvent lines, methanol, aluminum foil, etc. A laboratory blank is performed with each batch of samples to demonstrate that the extraction system is free of contaminants.

Precaution to Minimize Method Interference

1. LC system components contain many of the target analytes. To minimize the background PFAS peaks, PTFE solvent frits and tubing are replaced by PEEK™ solvent frits and tubing where

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possible.

2. A precolumn, Proprietary Content, is installed before the injection valve to separate PFAS in standards/samples from those from the LC system and mobile phases.

3. All part of the SPE manifold must be cleaned as per *T-PFAS-WI21568*.

Safety Precautions and Waste Handling

See *Chemical Hygiene Plan* for general information regarding employee safety, waste management, and pollution prevention.

The toxicity or carcinogenicity of each reagent used in this method has not been precisely defined. PFOA has been described as "likely to be carcinogenic to humans". Each chemical should be treated as a potential health hazard and exposure to these chemicals should be minimized.

Exposure to these chemicals must be reduced to the lowest possible level by whatever means available, such as fume hoods, lab coats, safety glasses, and gloves. Gloves, lab coats, and safety glasses should be worn when preparing standards and handling samples. Avoid inhaling solvents and chemicals and getting them on the skin. Wear gloves when handling neat materials. When working with acids and bases, take care not to come in contact and to wipe any spills. Always add acid to water when preparing reagents containing concentrated acids.

All laboratory waste is accumulated, managed, and disposed of in accordance with all Federal, State, and local laws and regulations. All solvent waste and extracts are collected in approved solvent waste containers in the laboratory and subsequently emptied by personnel trained in hazardous waste disposal into the lab-wide disposal facility. HPLC vials are disposed of in the lab container for waste vials, and subsequently lab packed. Any solid waste material (disposable pipettes and broken glassware, etc.) may be disposed of in the normal solid waste collection containers.

Personnel Training and Qualifications

All personnel performing this procedure must have documentation of reading, understanding, and agreeing to follow the current version of this SOP and an annual documented Demonstration of Capability (DOC).

Each chemist performing the extraction must work with an experienced employee for a period of time until they can independently perform the extraction. Also, several batches of sample extractions must be performed under the direct observation of another experienced chemist to assure the trainee is capable of independent preparation. Proficiency is measured through a documented Initial Demonstration of Capability (IDOC).

Each LC/MS/MS analyst must work with an experienced employee for a period of time until they can independently calibrate the LC/MS/MS, review and process data, and perform maintenance procedures. Proficiency is measured through a documented Initial Demonstration of Capability (IDOC).

The IPR (IDOC) and the DOC consist of 4 laboratory control samples (or alternatively, one blind sample for the DOC) that are spiked at the LCS level and carried through all steps of the extraction and analysis. Using results of the set of four analyses, compute the average percent recovery and the relative standard deviation (RSD) of the concentration for each analyte.

- For each target, the RSD and percent recovery must meet the criteria in Table 5. If any individual RSD exceeds the precision limit or any individual percent recovery falls outside the range for recovery for a target, system performance is unacceptable for that compound. Correct the problem and repeat the test.

- For each EIS and NIS, the percent recovery must meet the criteria defined in Table 6. There are is no RSD criteria for the EIS or NIS. If any individual percent recovery falls outside the range for an EIS or NIS, system performance is unacceptable for that compound. Correct the problem and repeat the test.

See *QA-SOP11178* for additional information on IDOC and DOC.

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Sample Collection, Preservation, and Handling

A. Sample Collection

The samples are collected in 125-mL HDPE containers. All sample containers must have linerless HDPE or polypropylene caps. Keep the sample sealed from time of collection until extraction. The entire aqueous sample that is collected must be prepared and analyzed, and subsampling must be avoided whenever possible.

NOTE: PFAS contamination during sampling can occur from a number of common sources, such as food packaging and certain foods and beverages. Proper hand washing and wearing nitrile gloves will aid in minimizing this type of accidental contamination of the samples.

B. Sample Storage and Shipment

1. Samples must be chilled during shipment and must not exceed 6°C during the first 48 hours after collection. Sample temperature must be confirmed to be at 0° to 6°C when the samples are received at the laboratory.

2. Samples stored in the lab must be held at a temperature of 0° to 6°C, not frozen, and protected from light until extraction. Alternatively, to meet project requirements, samples may be stored at less than or equal to -20°C and protected from light until extraction.

3. Water samples must be extracted within 28 days when stored at a temperature of 0° to 6°C, not frozen, and protected from light. Water samples must be extracted within 90 days when stored at a temperature less than or equal to -20°C and protected from light.

4. Extracts must be analyzed within 28 days after extraction when stored at a temperature of 0° to 6°C, not frozen, and protected from light. Extracts must be analyzed within 90 days after extraction when stored at a temperature less than or equal to -20°C and protected from light.

Apparatus and Equipment

A. Apparatus

1. 125-mL HDPE bottles. CapSure Leak-Proof bottles, Catalog No. 0125-1060-QC or equivalent.

   Note: One bottle per lot must be tested and demonstrated to be PFAS-free at or below the laboratory's MDLs for all target analytes. See *T-PFAS-WI21568* for additional details.

2. Centrifuge tubes, 15-mL conical polypropylene with polypropylene screw caps. Fisher Scientific, Catalog No. 05-539-5 or equivalent.

3. HDPE bottles for extraction fluid storage, 1L. Environmental Sampling Supply, Catalog No. 1000-1902-PC or equivalent.

4. Analytical Balance – Capable of weighing to 0.0001 g

5. Top-Loading Balance – Capable of weighing to 0.01 g

6. Solid phase extraction (SPE) Proprietary Content.

7. GCB filter cartridge, Proprietary Content

8. Large-volume SPE Reservoir, 25-mL. Millipore-Sigma, Product No. 54258-U or equivalent.

9. SPE Tube Adapter. Millipore-Sigma, Catalog No. 57020-U or equivalent.

10. SPE vacuum extraction manifold – "Resprep" 24-port manifold. Restek, Catalog No. 26080 or equivalent.

11. Polypropylene SPE delivery needles. Agilent, Catalog No. 12234511 or equivalent.

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12. Centrifuge, capable of a minimum rotational force of 3500 rcf, rotor radius 19.5 cm. Sorvall ST4 Plus-MD; Fisher Scientific, Catalog No. 75009510 or equivalent.

13. Auto Pipettes, Eppendorf Repeater, capable of accurately dispensing 10- to 1000-µL. Fisher Scientific, Catalog No. 14-287-150 or equivalent.

14. Polypropylene pipette tips, 0.1-200 µL. Fisher Scientific, Catalog No. 02-681-135 or equivalent.

15. Polypropylene pipette tips, 100-1000 µL. Fisher Scientific, Catalog No. 02-707-507 or equivalent.

16. Polypropylene pipette tips, 1 – 10 mL. Eppendorf, Catalog No. 022492098 or equivalent.

17. Pipettes, disposable transfer. Fisher Scientific, Catalog No. 13-711-7M or equivalent.

18. Vortex mixer, variable speed. Fisher Scientific or equivalent.

19. N-Evap sample extract concentrator with N_2 supply and water bath for temperature control. Organomation, Inc., Catalog No. 11250 or equivalent.

20. Reagent Water Purification System: Capable of producing ultrapure "Type 1/Milli-Q"-grade water from in-house deionized water system. Millipore SAS, Catalog No. FTPF08831.

21. SureStart Polyspring inserts. Fisher Scientific, Catalog No. 03452340 or equivalent.

22. Short-Cap Vial with Grad Marking Spot, 9-425 Screw-Thread, 2.0 mL, 9 mm, Clear. Restek, Catalog No. 21141 or equivalent.

23. Short Screw Caps, Polypropylene, Screw-Thread, PTFE/Silicone Septa, Blue, Preassembled, 2.0 mL, 9 mm. Restek, Catalog No. 24485 or equivalent.

24. Centrifuge tubes, 50-mL conical polypropylene with polypropylene screw caps. Fisher Scientific, Catalog No. 06-443-21 or equivalent.

25. Polypropylene bottles for standard storage, 4-mL. Fisher Scientific, Catalog No. 02-923-11E or equivalent.

26. Stainless steel spatula/scoop set. Bel-Art SP Scienceware, Product No. 11-865-130 or equivalent.

27. pH paper, Hydrion, range 5.5-8.0. Fisher Scientific, Catalog No. 14-853-275 or equivalent.

28. Disposable syringe filter, 25-mm, 0.2µm Nylon membrane, PALL/Acrodisc or equivalent.

29. Wheaton Bottle, 15-mL, narrow mouth, HDPE, Leak resistant; DWK Life Sciences, Catalog No. 209044SP or equivalent.

30. Graduated Medicine Cups, Plastic, 30-mL. Medline Industries, Catalog No. DYND8000 or equivalent.

31. Mobile phase bottles, 5 L. Fisher Scientific, Catalog No. 064141F or equivalent.

B. Equipment

1. AB Sciex Triple Quad 5500/5500+ Turbo V Ion Source or equivalent.

   ExionLC Controller
   ExionLC AC Pump
   ExionLC AC Autosampler
   Exion AC Column Oven
   Data system – Analyst 1.6.3

2. AB Sciex Triple Quad 7500 QTRAP Ready or equivalent.

   Shimadzu DGU-405 Degasser
   Shimadzu LC-40D XR Pump A
   Shimadzu LC-40D XR Pump B
   Shimadzu SIL-40C XR Autosampler

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Shimadzu CBM-40 Controller
Shimadzu CTO-40C Column Oven
Data system – Sciex OS (Version 3.1.6.44)

3. Automated extractor, Proprietary Content or equivalent

4. HPLC columns

   a. Analytical column: Proprietary Content Catalog No. 00B-4439-Y0 or equivalent.
   b. Pre-column: Proprietary Content Catalog No. 00D-4435-Y0 or equivalent.

Reagents and Standards

All solvents, acids, and bases are stored in glass bottles in flammable proof cabinets or pressure resistant steel drums. Solvents, acids, and bases are stored at ambient temperature for up to 1 year. All non-solvents are stored according to manufacturer's storage conditions.

A. Reagents

1. Methanol (MeOH), "Chromasolv LC-MS" grade. Honeywell, Catalog No. 34966-4X4L or equivalent.

2. Acetonitrile (ACN). J.T. Baker, Catalog No. 9012-03 or equivalent.

3. Ammonium acetate. Sigma Aldrich, Catalog No. 431311-250G or equivalent. Store at 0-6°C.

4. Proprietary Content.

   a. Proprietary Content.

   b. Proprietary content.

   c. Proprietary Content.

5. 30:70 (v/v) Methanol:Water – Add methanol (300 mL) to water (700 mL). Store at room temperature. Replace after 1 month.

6. Methanol with 5% water - Add reagent water (50 mL) to methanol (950 mL). Store at room temperature. Replace after 1 month.

7. Formic Acid, ACS-grade. Sigma, Catalog No. 33015-1L or equivalent.

   a. Formic acid (aqueous, 0.1 M) - Dissolve formic acid (4.6 g or 3.8 mL) in reagent water (1 L). Store at room temperature. Replace after 2 years.

   b. Formic acid (aqueous, 0.3 M) - Dissolve formic acid (13.8 g or 11.3 mL) in reagent water (1 L). Store at room temperature. Replace after 2 years.

   c. Formic acid (aqueous, 5% v/v) - Mix 5 mL formic acid with 95 mL reagent water. store at room temperature. Replace after 2 years.

   d. Formic acid (aqueous, 50% v/v) - Mix 50 mL formic acid with 50 mL reagent water. Store at room temperature. Replace after 2 years.

8. Mobile Phase A: Proprietary Content. Store at room temperature for up to 2 months. Different volumes can be prepared as long as final concentrations are equivalent.

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9. Mobile Phase B: Proprietary Content into a 2-L glass mobile phase bottle. Store at room temperature for up to 2 months.

10. Sand - Sigma-Aldrich, Part No. 274739-5Kg or equivalent.

B. Standards

Standards are prepared using calibrated pipettes, polypropylene microcentrifuge tubes, and polypropylene bottles to create solutions at desired concentrations. The concentrated solution is injected below the surface of the diluting solvent. After preparation is completed, standards should be vortexed to ensure complete mixing. Measurement of volumes less than 5 µl should be avoided in routine production operations.

All stock, intermediate and spiking solutions are prepared using methanol. All initial calibration, initial calibration verification, and linear branched working standard solutions are prepared using Proprietary Content.

All diluted solutions must be stored in HDPE containers that have been thoroughly rinsed with methanol.

Stock standard and intermediate standard solutions are stored in the dark in the refrigerator in labeled polypropylene screw-top vials, polypropylene bottles, or polypropylene centrifuge tubes.

Expiration dates are managed through LIMS Reagent module. Solutions transferred from sealed glass ampules to screw-capped vials are given expiration dates of 1 year from the date opened or the expiration date provided by the vendor, whichever occurs sooner. Intermediate solutions are given an expiration date of 6 months from the preparation date, or the expiration date from the ampule provided by the vendor, whichever occurs sooner. The ampules and transferred solutions are stored in the refrigerator in the dark.

Working native and labeled (extraction surrogate and internal standard) compound spiking solutions are given an expiration date of 6 months, or the expiration date of the solutions used to prepare the working solution, whichever occurs sooner. The solutions are stored in labeled polypropylene screw-top vials in the refrigerator in the dark. When these solutions are prepared they must be tested prior to use in the PFAS extraction lab and verified monthly until they are consumed by operations or expire. Records of the standard verification are maintained by the laboratory. Prior to use, the working spiking solution should be evaluated against recovery windows of 85-115% for all compounds that will be analyzed using that solution. Should a standard fail to meet these criteria, the data must be reviewed by departmental management for acceptability and/or corrective action.

Working initial calibration solutions are given an expiration date of 6 months, or the expiration date of the solutions used to prepare the working initial calibration solution, whichever occurs sooner.

The primary/preferred standard vendor is Wellington Laboratories, Inc. Ontario, Canada. Listed catalog numbers are taken from Wellington product lists. Equivalent standards may be substituted, if the listed standards are unavailable.

The solution concentration listed is as presented on the certificate of analysis and includes adjustment for purity and the salt form of the compound used.

The concentrations referenced for the sulfonate salts, (for example PFBS, PFHxS and PFOS) have already been corrected to the acid form by the standards supplier as noted in the example Certificate of analysis (CofA). See *Attachment 04*. If the compound purity is assayed to be 98% or greater, weight can be used without correction to calculate concentrations.

Log purchased standards into LIMS Reagent. Select the solution category SOURCE for purchased mixes and/or single-compound ampules. LIMS Reagent system will assign formatted names to the purchased standard solutions. The automatically-generated name can be overwritten with a manually created name if desired. Use labels printed through the LIMS Reagent to identify and track standard solutions after transfer from original ampule to storage vial. The CofA for the ampulated stock standard is attached in LIMS Reagent for reference.

Standards are prepared by transferring a known quantity of Standard to a final volume of solvent. Standard Preparation is documented in LIMS Reagent. Solutions are stored by Type in LIMS Reagent,

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i.e., INTERMEDIATE=working solutions and intermediate standards and SOURCE=stocks (ampulated solutions). Each Standard is given a unique name.

The following attachments provide examples of standard preparation and purchasing information. Refer to the documentation in LIMS Reagent for standards preparation information.

Attachment 05 - 1633 Native PFAS Intermediate A
Attachment 06 - 1633 Native PFAS Intermediate B
Attachment 07 - 1633 Native PFAS CAL8 Intermediate
Attachment 08 - 1633 Extracted Internal Standard Intermediate
Attachment 09 - 1633 Non-Extracted Internal Standard Intermediate
Attachment 10 - 1633 TOP Surrogate Intermediate
Attachment 11 - 1633 ICAL Standard Preparation Scheme
Attachment 12 - 1633 Initial Calibration Standard Concentrations
Attachment 13 - Bile Salts Stock Solution
Attachment 14 - Bile Salts Intermediate
Attachment 15 - Bile Salts Working Solution
Attachment 16 - 1633 WDM Standard
Attachment 17 - 1633 Native Mid-Level Spike
Attachment 18 - 1633 Native Low-Level Spike
Attachment 19 - 1633 ICV Working Standard
Attachment 20 - 1633 Purchased/Ampulated Standards

Calibration

A. Mass Calibration

Frequency	Acceptance Criteria	Corrective Action
Calibration - at least annually or as recommended by the instrument manufacturer, whichever is more frequent, to maintain instrument sensitivity and stability.	Per manufacturer recommendations. Optimize the precursor and product ions in *Attachment 01*	Repeat as needed.
Verification - on an as-needed basis (e.g., QC failures, ion masses fall outside of the required mass window, major instrument maintenance, or if the instrument is moved) prior to the analysis of any standards and samples and after each subsequent mass calibration.	Resolution must meet manufacturer recommendations. The mass assignments must be within ±0.2 amu of the values shown in *Attachment 01*.	Recalibrate as needed. Otherwise, proceed to ICAL.

B. Chromatographic conditions

The mass spectral acquisition rate must include a minimum of 10 spectra scans across each chromatographic peak. See the AB Sciex (5500/5500 Plus/7500) Acquisition, Quantitation, Gradient, and Detector Condition files for the most up to date chromatographic conditions. An example acquisition method and chromatographic conditions are shown in *Proprietary* Content. Modifications to these conditions can be made at the discretion of the analyst to improve resolution or the chromatographic process. All injections must use the same parameters as used in the ICAL.

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C. Retention Time Calibration

Frequency	Acceptance Criteria	Corrective Action
once per ICAL and at the beginning of the analytical sequence	The position of all target, EIS, and NIS peaks shall be set using the midpoint standard of the ICAL curve when ICAL is performed. When an ICAL is not performed, the initial CV retention times or the midpoint standard of the ICAL curve can be used to establish the RT window position. The RTs for the target analytes, EIS, and NIS compounds must fall within 0.4 minutes of the predicted retention times from the midpoint standard of the ICAL or initial CV, whichever was used to establish the RT window position for the analytical batch. All branched isomer peaks identified in either the calibration standard or the qualitative (technical grade) standard also must fall within 0.4 minutes of the predicted retention times from the midpoint standard of the ICAL or initial CV. For all target analytes with exact corresponding isotopically labeled analogs, target analytes must elute within 0.1 minutes of the associated EIS compound.	Recalibrate

D. Initial Calibration

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Frequency	Acceptance Criteria	Corrective Action
Prior to the analysis of samples, and after the mass calibration verification has met all criteria whenever the laboratory takes an action that changes the chromatographic conditions or might change or affect the initial calibration criteria when either the CV or Instrument Sensitivity Check (ISC) acceptance criteria have not been met.	A minimum of six calibration standards are required when using an average or linear curve fit. A minimum of seven calibration standards are required for a second-order curve fit (quadratic). The lowest standard must be at or below the RL. In general, Cal1 (at the RL), Cal2, Cal3, Cal4, Cal5, Cal6, Cal7, and Cal8 are included in the initial calibration. S/N ratio for the lowest standard within the quantitation range must be greater than or equal to 3:1 for quantification ions and the confirmation ions, or greater than or equal to 10:1 if the analyte only has a quantification ion. To use Average Response Factor: • %RSD for the response factors is less than or equal to 20% • if greater than 20%, try a Linear Regression. To use Linear Regression with a concentration weighing factor of 1/x: • The %RSE for all method analytes must be less than or equal to 20%. • if greater than 20%, try a Quadratic fit. To use Quadratic fit with a concentration weighing factor of $1/x^2$: • The %RSE for all method analytes must be less than or equal to 20%. For all curve fits, each calibration point is calculated back against the curve. The back calculated concentration for each calibration point must be within ±30% of its true value.	If the criteria are not met, the source of the problem must be determined and corrected. Situations may exist where the initial calibration can be used. In those cases, the data will be reported with a qualifying comment.

E. Initial Calibration Verification (ICV)

Frequency	Acceptance Criteria	Corrective Action
After ICAL prior to analyzing samples	ICV must be prepared from a second source. If a second source is not available, a separate preparation from the same stock (including intermediates) by a second analyst may be used. The calculated amount for each analyte must be within ±30% of the true value.	If this criteria is not met, re-inject or remake the standard. If the criteria is still not met, recalibration is necessary. Instrument maintenance may be needed prior to recalibrating.

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F. Calibration Verification (CV)

Frequency	Acceptance Criteria	Corrective Action
Once the calibration curve has been established, the continuing accuracy must be verified by analysis of a continuing calibration verification (CCV) standard at the beginning of each analytical sequence, every ten injections of a field sample extract, and at the end of the analytical sequence.	The calculated amount for each native in the CCV standard must be within ±30% of the true value. The absolute areas of the injection internal standard must be greater than 30% of the average areas measured during the initial calibration.	Samples that are not bracketed by acceptable CCV analyses must be reanalyzed. The exception to this would be if the CCV recoveries are high, indicating increased sensitivity, and there are no positive detections in the associated samples, the data may be reported with a qualifying comment. The source of the problem must be determined and the system recalibrated before continuing sample analysis.

Procedure

Data Types are included in brackets. If a Data Type is not needed (for example, no reagents were needed for pH adjustment), "NA" may be used.

A) Sample Preparation and Prescreen

1. Bring all samples to room temperature and vortex prior to starting. Thaw frozen samples in room temperature water. Weigh sample container with contents on a calibrated top loading balance to 0.1g and record the first reading in the automated prep entry system [*Gross Weight*].

2. Sample Volume:

    a. For all samples, the full bottle must be extracted. The sample must remain in the original sample container until after spiking solutions have been added.

    b. If a limited sample volume is submitted, spike sample in original container, then add Milli-Q water to bring to final volume of 125 mL prior to SPE extraction (see Procedure A.7 for spiking details).

    c. All water samples should be evaluated for Total Suspended Solids (TSS) by visual inspection. Although the full container volume of sample should be extracted, this method is applicable to aqueous samples containing up to 50 mg of suspended solids. For samples containing > 50 mg of suspended solids, or when unavoidable due to high levels of PFAS, smaller samples volumes may be analyzed. However, ultimately, visual inspection and analyst experience are all used to determine the volume to be used to extract the sample.

    d. TSS above 400 mg/L will likely require sample manipulation to effectively mitigate impacts on the solid phase extraction process and there may be impacts on data quality objectives. Every effort should be made in the field to properly collect samples with less than 50 mg of suspended solids. If sample dilution is required, this will result in elevated final reporting limits.

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In most cases a dilution factor less than 5X is sufficient which would result in RLs being elevated by up to 5X. Eurofins analyst will conduct a visual inspection of the sample and use professional judgement to determine the necessary dilution. If sample dilution is not acceptable for the project DQOs or significantly high TSS is anticipated e.g. >2,000 mg/L in a 125mL sample, the laboratory will centrifuge the sample according to the following procedure. This approach must be agreed to as part of the project DQOs up front and the analyst will proceed accordingly without further client consultation. Centrifugation can only be performed if the solids have high enough density to form a pellet or mass at the bottom of the bottle. Please note, not all samples will form such a mass, and the solids will not be extracted as a separate sample. With the use of isotope dilution, once labeled surrogates (EIS) are added to the sample, they distribute between all phases of the sample system (solid fraction, aqueous fraction, air/water interface, and water/container interface). These surrogates (EIS) are then used for recovery correction and the total PFAS concentration can be accurately reported for the whole sample, provided surrogate (EIS) recoveries are acceptable. A potential outcome of this approach is poor recoveries of the labeled surrogates (EIS) that will preferentially sorb to the particulates leading to qualified QC in the final results.

Note: Fill a 125-mL HDPE bottle with 125 mL of Milli-Q water. Using a calibrated balance, add 6.25 g of sand to the bottle to create a 5% (w/v) standard. Record the preparation of this standard in the reagent prep logbook and replace annually.

e. All attempts will be made to use the full volume of sample. If multiple bottles sizes were sent from the field, the appropriate sample volume will be processed. In cases where this is not possible, the sample is first gently swirled and then subsampled for pre-dilution. The sample aliquot is placed into a clean 125-mL HDPE container, brought up to 125 mL with Milli-Q water, and vortexed for 30 seconds to mix. Continue the extraction process with Procedure A.4. Clients will be notified, and the laboratory will proceed with the pre-dilution as necessary.

3. Use a 125-mL HDPE bottle [*QCBottleLotID*] for the Method Blank (MB), the Laboratory Control Sample (LCS), and the Low-level Laboratory Control Sample (LLCS). If the client has not requested an MS/MSD, an LCSD must be prepared as well. Fill each bottle with 125 mL of Milli-Q water. Record "150.0 g" as the gross weight and "25.0 g" as the tare weight for the batch QC samples.

4. Check that the pH is 6.0 ± 0.5. If necessary, adjust the pH with 50% formic acid or 30% ammonium hydroxide (or with 5% formic acid or 3% aqueous ammonium hydroxide). **NOTE: Never put pH test strips into the sample.** Record the acid or base lot number [*RgtID*] and amount used [*Amt*]. Use a disposable pipette [*TranferPipID*] to place a few drops of sample onto the pH paper [*pHIndID*].

5. If a client requests centrifugation, see T-PFAS-FRM74046.

6. Bring all spike solutions to room temperature and vortex for 30 seconds prior to use.

7. Spike QC and all samples with 25 µL of 1633_125 EIS Intermediate (1633_125_SS_#####). Spike LCS/LCSD/MS/MSD with 50 µL of 1633_125 Native Spike Mid (1633_125_MS_M_#####). Spike LLCS with 40 µL of 1633_125 Native Spike Low (1633_125_MS_L_#####). Vortex/Shake containers to mix thoroughly. Let samples equilibrate for 30 minutes after spiking. Document the technician who spike the sample [*Analyst ID - Reagent Drop*] as well as the spike witness [*Analyst ID - Reagent Drop Witness*].

8. Continue to either Manual SPE (Procedure B) or Automated SPE (Procedure C.)

B) Manual Solid Phase Extraction (SPE)

1. Before use, rinse each port of the SPE manifold [*ManifoldID*] with several milliliters of the following solvents in order:

- Proprietary
- Proprietary
- Proprietary
- Proprietary

2. Label each SPE cartridge [*SPECartType*] and *SPECartLot#*] to correspond with each associated sample/QC piece and attach to a rinsed SPE port. Record the SPE port number for each sample/QC piece on the batchlog.

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3. Condition each SPE cartridge with the following reagents in the following order without allowing the cartridges to go dry. Do not use vacuum during this step.

   a. Proprietary Content
   b. Proprietary Content
   c. Proprietary Content
   d. Proprietary Content

4. Label each sample bottle, cap, 15-mL centrifuge tube, and reservoir with the same number to ensure samples are not inadvertently switched during the extraction procedure (i.e.; 1,1,1; 2,2,2; 3,3,3; etc.).

5. Attach the labeled 25-mL SPE reservoir to each cartridge. Load the QC and samples to their respective cartridges. Allow sample to pass through. The drip rate should be approximately 3-5 drops per second.

6. After sample/QC has passed through, rinse the walls of the sample bottle with 5 mL reagent water. Add to cartridge and allow to pass through using vacuum. Then repeat.

7. After Milli-Q water has passed through, rinse the walls of the sample/QC bottle with 5 mL 30:70 (v/v) methanol:water [*RinseSolventName* and *RinseSolventLot*]. Add to cartridge and allow to pass through using vacuum. Then repeat.

8. Apply full vacuum to dry the cartridges until visibly dry (at least 10 minutes). Discard the rinse solution.

   NOTE: If a given sample is too problematic to extract using one cartridge with full vacuum, a second cartridge is created following Procedure B.2-4 above.

9. Place each empty sample bottle on the top-loading balance and weigh. Record the second reading in the automated prep entry system. The prep entry system will calculate the sample weight to 0.1g. Record the calculated weight as the sample volume on the batchlog.

10. Proprietary Content to the bottom of each SPE cartridge.

11. Place labeled 15-mL polypropylene centrifuge collection tubes [*CentrifugeTube*]under each respective SPE cartridge ensuring the delivery needles to do not touch the sides of the tubes.

12. Rinse the inside of each empty sample/QC bottle with Proprietary Content. Add to reservoir and cartridge.

13. Apply a slight vacuum to the manifold in order to reclaim as much solvent as possible from the SPE cartridges.

14. Disconnect the cartridge/adapter from the manifold. Remove the collection tubes.

    Note: If a second cartridge was required, the eluent from the second cartridge is added to the first cartridge eluent with a methanol rinse and then blown down to 5 mL on an N-EVAP prior to step 16 below.

15. Bring each sample extract to final volume 5 mL using methanol with Proprietary Content. Cap and vortex for 30 seconds to mix.

16. Proceed to Procedure D - Vialing and Addition of Internal Standard

C) Automated Solid Phase Extraction (SPE) by Proprietary

This procedure can be used in place of the manual extraction described in Procedure B.

Note: all samples must be prescreened prior to use of the Proprietary to avoid carryover and contamination.

1. Label each SPE cartridge [*SPECartType* and *SPECartLot#*] to correspond with each associated sample/QC piece and attach to a rinsed SPE port. Record the SPE port number for each sample/QC piece on the batchlog.

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2. Check to make sure all reagent bottles are filled and that reagents are not expired. Record Proprietary ID and reagent lot numbers. [*ManifoldID*, *SPE_Cond#1ID*, *SPE_Cond#2ID*, *RinseSolventName*, *RinseSolventLot*, *SolventName*, and *SolventLot*]

3. Label each sample bottle, cap, and Proprietary cartridge with the same number to ensure samples are not inadvertently switched during the extraction procedure (i.e.; 1,1,1; 2,2,2; 3,3,3; etc.).

4. Select "Proprietary" from the drop down menu to start the cleaning cycle prior to SPE. Make sure the "Clean" cartridges and bottles are attached for this cycle.

5. Remove "Clean" cartridges and attach the labeled cartridges that will be used when running the samples when the system cleaning is complete. Disconnect the "Clean" bottles. Attach the labeled sample bottles by twisting the bottles and not the cap. Attach a filter [*FilterEXPID*] to each cap. Place sample bottles upside down in corresponding numbered location on shaker. Poke two holes into the lip of each bottle. Load labeled centrifuge tubes [*CentrifugeTube*] in the moving tray beneath the cartridges.

6. Select "Proprietary" from the drop down menu and press the green check mark to start the procedure. The Proprietary program is described in *Proprietary*.

7. When the cycle pauses after cartridge drying, attach Proprietary to the bottom of each SPE cartridge and uncapped tubes in the moving tray.

8. Once the cycle is complete, remove centrifuge tubes and discard the used cartridges and bottles. Reattach "Clean" bottles and cartridges, select "Proprietary" from menu, select "start". This must be done between each batch and at the beginning and the end of the day. At the end of the day, run the "Proprietary" clean cycle.

9. Place each empty sample bottle on the top-loading balance and weigh. Record the second reading in the automated prep entry system [*TareWeight*]. The prep entry system will calculate the sample weight to 0.1g. Record the calculated weight as the sample volume on the batchlog.

10. The batch QC must be rotated among the Proprietary ports so that all the ports are covered over the course of a quarter. Use form *T-PFAS-FRM80101* for tracking.

11. Bring each sample extract to final volume 5 mL using methanol with Proprietary. Cap and vortex for 30 seconds to mix.

12. Proceed to Procedure D - Vialing and Addition of Internal Standard

D) Vialing and Addition of Internal Standard

Note: The instrument lab chemist performs these steps.

1. Determine the sample aliquot to use for analysis. Add Internal Standard Spike Solution (1633_125_IS_V_#####) to the corresponding labeled autosampler vial [*VialLot#*].

    - 10 µL IS into a 190 µL aliquot of sample (final volume = 200 µL)
    - 25 µL IS into a 475 µL aliquot of sample (final volume = 500 µL)
    - 50 µL IS into a 950 µL aliquot of sample (final volume = 1000 µL)

2. Transfer an aliquot of the final extract (as determined in Step 1 above) to the corresponding labeled auto-sampler vial.

3. Cap the auto-sampler vial [*Caps*] and vortex for 30 seconds. Samples are now ready for analysis.

4. Cap the centrifuge tube. The remaining centrifuged extracts are stored in the refrigerator for dilution or reinjection if needed.

E) LC/MS/MS Analysis

1. Load sample vials containing calibration standards, quality control samples, and sample extracts into the autosampler tray. Allow the instrument adequate time to equilibrate to ensure the mass

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spec and LC have reached operating conditions (approximately 5 minutes) before the first injection. Analyze several solvent blanks to clean the instrument prior to sample acquisition.

2. Bring standards to room temperature and vortex before calibrating. To eliminate the need for a qualitative identification standard, the calibration standards contain the branched isomers for PFHxS, PFOS, NMeFOSAA, NEtFOSAA, PFNA, PFOA, PFOSA, NEtFOSE, NMeFOSE, NEtFOSA, and NMeFOSA. Mass Transitions are defined in *Attachment 01*.

Example Initial Calibration Sequence (LIMS ID):

Instrument Blank to clean instrument (at least 3)
1. CAL 1 (IC)
2. CAL 2 (IC)
3. CAL 3 (IC)
4. CAL 4 (IC)
5. CAL 5 (ICISAV)
6. CAL 6 (IC)
7. CAL 7 (IC)
8. CAL 8 (IC)
9. Instrument Blank (ICB)
10. Initial Calibration Verification (ICV)
11. Bile Salts Standard (WDM)

3. Isotopically-labeled compounds are not available for some compounds. See below for compounds without labeled isotopes and their referenced extraction standards. See *Attachment 02* shows the full list of analytes and their EIS and NIS.

Note: For better accuracy, PFTrDA is quantitated using the average of the areas of labeled compounds 13C2-PFTeDA and 13C2-PFDoA.

Native	Extracted Internal Standard
3:3FTCA	13C5-PFPeA
PFMPA	
PFMBA	
NFDHA	13C5-PFHxA
5:3FTCA	
7:3FTCA	
PFEESA	
DONA	13C3-HFPO-DA
9Cl-PF3ONS	
11Cl-PF3OUdS	
PFTrDA	Avg 13C2-PFTeDA and 13C2-PFDoA
PFHpS	13C8-PFOS
PFNS	
PFDS	
PFDoS	
PFPeS	13C3-PFHxS
TFSI	
FHxSA	
PFECHS	
PFODA	13C2-PFTeDA

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Native	Extracted Internal Standard
FBSA	13C3-PFBS

Example Sample Sequence (LIMS ID):

Instrument Blanks to clean instrument if needed (at least 3)
1. Instrument Sensitivity Check at CAL1 (CCVO)
2. Calibration Verification at CAL4 (CCV)
3. Instrument Blank (CCB)
4. Bile Salts marker (WDM)
5. Method Blank (MB)
6. On-going Precision and Recovery (LCS)
7. Low-level OPR (LLCS)
8. On-going Precision and Recovery Duplicate (LCSD)
9. Samples (10 or less)
10. Calibration Verification at CAL4 (CCV)
11. Instrument Blank (CCB)

4. Instrument Blank (ICB, CCB) - Instrument Blanks need to be analyzed immediately following the highest standard analyzed and daily at the start of a sequence. The concentration of all analytes must be less than the MDL. If acceptance criteria are not met, the calibration must be performed using a lower concentration standard for the high standard until the criteria are met.

5. Instrument Sensitivity Check (CCVO) - Prior to sample analysis, an Instrument Sensitivity Check (ISC) must be performed. The ISC standard concentration must be at the LOQ. The CAL1 standard's concentration is at the LOQ, so the CAL1 standard will be analyzed. All analyte concentrations must be within ±30% of their true values. The signal-to-noise ratio must be greater than or equal to 3:1 for the quantitation ions and confirmation ions, and 10:1 for quantitation ions that have no confirmation ion. If the criteria are not met, correct problem and rerun ISC. If a target analyte (or EIS) reads back high with no detection (or in-spec recoveries) in the samples, data may be reported. If problem persists, repeat the ICAL. No samples can be analyzed until the ISC meets acceptance criteria.

6. Bile Salt Interference Check (WDM) - Analyze a Window-Defining Matrix (WDM) standard containing 100 ppb of Taurodeoxycholic Acid (TDCA), Taurochenodeoxycholic Acid (TCDCA), and Tauroursodeoxycholic Acid (TUDCA). The laboratory must establish chromatographic conditions to ensure the bile salt (TDCA) does not cause interference during the analysis of samples. To demonstrate successful separation the retention time of TDCA must be at least 1 minute outside the retention time window of PFOS. This is demonstrated as a comparison of the RT of TDCA (measured at the apex of the TCDA peak) separated by at least 1.4 minutes from the RT of the linear isomer of PFOS (measured at the apex of the peak of the linear isomer of PFOS). If the mobile phase does not contain acetonitrile, this check must include all three bile salts (TDCA, TCDCA, and TUDCA). If adequate separation is not achieved, adjust the chromatographic conditions and reevaluate the separation of TDCA from PFOS.

7. After injections are completed, check all CCV recoveries and absolute areas to make sure they are within method control limits. See Calibration F for acceptance criteria. Process each chromatogram and closely evaluate all integrations, baseline anomalies, and retention time differences. If manual integrations are performed, they must be documented and a reason given for the change in integrations. The manual integrations are documented during data processing and all original integrations are reported at the end of the sample PDF file with the reason for manual integration clearly listed.

8. Quantitate results for the Method Blank (MB). Calculate the recoveries of spiked analytes for the LCS and its duplicate (LCSD, if needed), Low-Level LCS, Matrix Spike and Matrix Spike Duplicate (MS/MSD) by comparing concentrations observed to the true values. Calculate the relative percent difference (RPD) between the duplicates.

9. Isotopically-labeled Extraction Standards (EIS) are added to all samples, MB, LLCS, LCS/LCSD, and MS/MSD prior to extraction. Isotopically-labeled Injection Standards (NIS) are added to each QC and field sample extract prior to analysis. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to EIS recoveries being outside of the acceptance limits as long as the signal-to-noise ratio is greater than 10:1.

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10. To identify a target or EIS:

    a. Peak responses of quantitation and confirmation ions must have S/N of at least 3:1. If there is no confirmation ion, the quantitation ion must have S/N of at least 10:1. If the S/N ratio is not met, the analyte is considered to be ND.

    b. The retention times should not vary by more than 0.4 minutes from the expected retention time from the midpoint of the ICAL or initial CV. Furthermore, native compounds with an exact isotopically-labeled analogue must elute within 0.1 minutes from their associated analog. If the retention time is outside of the criteria, the compound is considered a false positive unless it is a compound with branched isomers. Compounds with branched isomers can vary in intensity of the individual isomers that are used for reporting and must be reviewed and compared to the preceding CCV to determine if it should be reported.

    c. For concentrations at or above the LOQ, the Ion Abundance Ratio (IAR) must fall within ±50% of the IAR observed in the mid-point initial calibration standard. The total response of all isomers (branched and linear) in the quantitative standards must be used to define the IAR. In samples, the total response should include only the branched isomer peaks that have been identified in either the quantitative or qualitative standard.

11. Two ion transitions and the ion transition ratio per analyte shall be monitored and documented with the exception of PFBA, PFECA F (PFMPA), PFECA A (PFMBA), NMeFOSE, NEtFOSE, FBSA, and FHxSA. The expected ion ratio for each compound is calculated by using the average of ion ratios of each compound from initial calibration standards. When an ion ratio for a compound differs from the expected ion ratio by more than 50%, see QA/QC section for Corrective Action.

F) Dilutions

Aqueous samples are prescreened prior to extraction to ensure concentrations do not exceed the range of the method and will not contaminate the laboratory or instrumentation. Samples with high concentrations of target PFAS which have the potential to contaminate the laboratory or the instrument will be extracted at a lower volume to mitigate those risks. Samples determined to be at or above 100x the level of the high standard will be diluted to mitigate the need for dilutions of the sample extract above 10x. For example, prescreen results at 125x the high standard would require that the sample prior to extraction be diluted by a factor of 12.5x (125/10 = 12.5). This would be done by using a 10mL portion of the sample (125/12.5 = 10) and bringing to a final volume of 125mL for extraction.

All attempts will be made to use the full volume of sample if multiple bottles sizes were sent from the field. In cases where this is not possible, the sample is first shaken, then subsampled for pre-dilution. Clients will be notified, and the laboratory will proceed with the pre-dilution as necessary. Samples requiring dilution due to high concentrations will be noted in the case narrative. Note that results based solely off the pre-dilution of a sample DO NOT have a dilution factor as dilution factors are only applied to extract dilutions.

When the area of the primary transition of a target analyte is above the area of the highest calibration point a sample dilution is required. Dilute the extract as follows:

1. Remove extracts from storage and allow to come to room temperature for approximately 60-90 minutes.
2. Vortex the extract for one minute.
3. Using a pipette or syringe, remove an aliquot of the extract, this extract should target a dilution equivalent to the mid-level concentration of the calibration curve to avoid over diluting the extract.
4. Dilute the aliquot to volume using Proprietary Content.
5. Fortify with additional NIS to achieve the same concentration of NIS in the original extract.
6. Vortex an aliquot for analysis.

If the S/N of EIS associated with the analyte requiring dilution in the extract meets the S/N requirement for EIS and the recovery of the associated EIS meet the method criteria, the results from the dilution can be reported. If these criteria are not met and additional sample is available, a smaller volume/mass of sample should be extracted.

Calculations

1. Peak Area Ratio

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$$\text{Peak Area Ratio} = \frac{\text{Analyte Response}}{\text{Labeled Analyte Response}}$$

2. On-Column Analyte Concentration using average RRF

   On-column Concentration = peak area ratio ÷ AVE RRF

3. On-Column Analyte Concentration using linear curve

   On-column Concentration = (peak area ratio - intercept) ÷ slope

4. Sample Concentration

   Sample concentration (ng/l) = (On-column concentration x Final Sample Volume x DF) ÷ Initial Sample Volume

5. Ion Abundance Ratio (IAR)

   Ion Abundance Ratio (IAR) = (peak area or height of quantifier)/(peak area or height of qualifier)

6. See *T-PEST-WI9847* for additional calculations used to evaluate the calibrations and quality control samples.

Statistical Information/Method Performance

Historical data for LCS/Ds, LLCSs, MS/Ds, and EIS is reviewed at least annually. However, all samples are reported using the limits in EPA 1633 Tables 5 and 6. When target analytes not on these tables are requested, statistical limits are used for LCS/MS. (Preliminary limits of 70-130% Recovery and <20% RPD can be used until enough data points are generated.) Reporting limits including method detection limits (MDLs) and limits of quantitation (LOQs) are set according to EPA method requirements and are evaluated annually. Refer to *QA-SOP11892* for specific guidelines and procedures. Updates to the LIMS are made as needed by the QA Department and only as directed by the supervisor.

As MDL studies are run on clean laboratory matrices, statistically derived MDL values could be artificially lower than achievable limits in real world samples. Nominal MDL values, set at no lower than 1/4 the calculated and verified Reporting Limit (or Limit of Quantitation) will be used as a method to avoid artificially low bias in MDL studies.

Quality Assurance/Quality Control

For each batch of samples extracted, a method blank, an LCS, and an LLCS must be extracted and analyzed. An MS/MSD are extracted only if requested and submitted by the client. If no MS/MSD is provided, an LCS/LCSD must be extracted and analyzed instead. A batch is defined as the samples to be extracted on any given day, but not to exceed 20 field samples. If more than 20 samples are prepared in a day, an additional batch must be prepared. If any client, state, or agency has more stringent QC or batching requirements, these must be followed.

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QC Item	Frequency	Acceptance Criteria	Corrective Action
Method Blank (MB)	One per extraction batch of no more than 20 field samples	No target analytes greater than RL, or greater than 1/10 the amount measured in any sample, or 1/10 the regulatory limit (whichever is greater).	Verify instrument clean (evaluate calibration blank & samples prior to method blank), then reanalyze. Evaluate to determine if systematic issue within laboratory, correct, then re-prepare and reanalyze the method blank and all samples processed with the contaminated blank.
Low-Level On-going Precision and Recovery (LLCS)	One per extraction batch of no more than 20 field samples	Acceptance criteria defined in *Attachment 22* (Tables 5 and 6 of Method 1633)	Reanalyze LLCS once. If acceptable, report. Evaluate samples for detections, and LLCS for high bias. If LLCS has high bias, and samples non-detect, report and narrate. If LLCS has low bias, or if there are detections for critical chemicals of concern, evaluate and reprep and reanalyze the LLCS and all samples in the associated prep batch for failed analytes, if sufficient sample material is available.
On-going Precision and Recovery and its Duplicate (LCS)	One per extraction batch of no more than 20 field samples	Acceptance criteria defined in *Attachment 22* (Tables 5 and 6 of Method 1633)	Reanalyze LCS once. If acceptable, report. Evaluate samples for detections, and LCS for high bias. If LCS has high bias, and samples non-detect, report and narrate. If LCS has low bias, or if there are detections for critical chemicals of concern, evaluate and re-prep and reanalyze the LCS and all samples in the associated prep batch for failed analytes, if sufficient sample material is available.
Matrix Spike/Matrix Spike Duplicate (MS/MSD)	*at client request*, one per extraction batch of no more than 20 field samples	Acceptance criteria defined in *Attachment 22* (Tables 5 and 6 of Method 1633) RPD less than 30%	If outside the acceptance windows, consult a supervisor to determine the appropriate course of action based on batch and sample results.

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QC Item	Frequency	Acceptance Criteria	Corrective Action
Extracted Internal Standards (EIS) or Isotope Dilution Analyte (IDA), added prior to extraction	per sample (including MB, LCS, LCSD, LLCS, MS, MSD) during preparation	Acceptance criteria defined in *Attachment 22* (Table 6 of Method 1633)	1. If EIS outside windows, check for errors and correct. Re-analyze sample, if needed. 2. If EIS out high and samples are non-detect, report and narrate. If EIS out high with detections, but EIS <200% (FTS <350%), report and narrate. If EIS out high with detections and EIS >200% (FTS >350%), dilute 10X, re-analyze, report, and narrate. 3. If EIS low but > 5% and S/N > 10:1, narrate and report. If EIS <5% then contact client to re-extract at smaller aliquot.
Non-extracted Internal Standards (NIS) added following extraction and prior to analysis	per sample (including MB, LCS, LCSD, LLCS, MS, MSD) during preparation	NIS areas 50-200% of the mean area of the most recent ICAL in undiluted sample extracts and sample extracts that require NIS to be added.	If fails high, check for errors and report. If fails low, re-analyze fresh aliquot of sample. If in control, report. If the failure confirms report the initial analysis and narrate.
Ion Abundance Ratio (IAR)	Each detected analyte (except PFBA, PFPeA, NMeFOSE, NEtFOSE, PFMPA, PFMBA, FBSA, FHxSA)	Acceptance window of 50-150% of the ratio in the mid-point CCV standard.	Check for error, if none found report as outlined below. 1. If outside limits and value is less than the RL, report as ND at RL. 2. If outside limits, but within 2X rule* flag, report and narrate. 3. If ratio outside 2X rule* then report as ND at elevated RL, apply G flag and narrate. 4. If ratio out due to branched isomer contribution, report as positive with narration. 5. If outside limits (and RT window) due to matrix, report as ND at elevated RL, apply G flag and narrate.
E-flagged data	NA	NA	Dilute sample extract. If still E-flagged after dilution, consult the client for course of action.

*2X Rule: If the ion ratio <0.5X the lower control limit or >2X the upper control limit, then do not report the analyte. It should be either Non-Detect at the RL or elevate the RL as needed (G flag). As an example if the target ion ratio is 4.00. The Chrom-determined limits are 2.00-6.00. If the ratio is <1.00 (2.00 X 0.5) or >12.00 (6.00 X 2) follow the specifications above.

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Attachment:
Attachment 01 - Mass Transitions (.pdf)
Attachment 02 - Standard Relationships (.pdf)
Attachment 03 – Proprietary Content
Attachment 04 - Example CoA (.pdf)
Attachment 05 - Native PFAS Intermediate A (.pdf)
Attachment 06 - Native PFAS Intermediate B (.pdf)
Attachment 07 - Native PFAS CAL8 Intermediate (.pdf)
Attachment 08 - 1633 EIS Intermediate (.pdf)
Attachment 09 - 1633 NIS Intermediate (.pdf)
Attachment 10 - 1633 TOP SS Intermediate (.pdf)
Attachment 11 - Initial Calibration Standards Preparation (.pdf)
Attachment 12 - ICAL Standard Concentration (.pdf)
Attachment 13 - Bile Salts Stock Solutions (.pdf)
Attachment 14 - Bile Salts Intermediate (.pdf)
Attachment 15 - Bile Salts Working Solution (.pdf)
Attachment 16 - 1633 WDM (.pdf)
Attachment 17 - Native Mid Level Spike (.pdf)
Attachment 18 - Native Low Level Spike (.pdf)
Attachment 19 - ICV Working Standard (.pdf)
Attachment 20 - Purchased Standards (.pdf)
Attachment 21 – Proprietary Content
Attachment 22 - Tables 5-6 (EPA 1633) (.docx)

G-DC-FRM23907 Redacted SOPs
QA-SOP11178 Demonstrations of Capability
QA-SOP11892 Determining Method Detection Limits and Limits of Quantitation
T-PEST-WI9847 Common Equations Used During Chromatographic Analyses
T-PFAS-FRM80101 D4033 - QC Rotation Tracking Form
T-PFAS-WI21568 Environmental Monitoring in the PFAS Lab
T-PFAS-WI23588 Preventative and Corrective Maintenance for the AB Sciex Liquid Chromatograph Mass Spectrometers (LC/MS/MS)
T-PFAS-WI50447 PFAS Prescreen Method in Water Samples Requesting PFAS by Isotope Dilution
T-WC-WI53304 Total Suspended Solids (TSS Gravimetric) Prescreen for PFAS by EPA Draft Methods in Aqueous Samples
Attachment: Attachment 01 - Mass Transitions (pdf)
Attachment: Attachment 02 - Standard Relationships (pdf)
Attachment: Attachment 03 – Proprietary Content Attachment:
Attachment 04 - Example CoA (pdf)
Attachment: Attachment 05 - Native PFAS Intermediate A (pdf)
Attachment: Attachment 06 - Native PFAS Intermediate B (pdf)
Attachment: Attachment 07 - Native PFAS CAL8 Intermediate (pdf)
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Attachment: Attachment 09 - 1633 NIS Intermediate (pdf)
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Attachment: Attachment 14 - Bile Salts Intermediate (pdf)
Attachment: Attachment 15 - Bile Salts Working Solution (pdf)
Attachment: Attachment 16 - 1633 WDM (pdf)
Attachment: Attachment 17 - Native Mid Level Spike (pdf)
Attachment: Attachment 18 - Native Low Level Spike (pdf)
Attachment: Attachment 19 - ICV Working Standard (pdf)
Attachment: Attachment 20 - Purchased Standards (pdf)
Attachment: Attachment 21 – Proprietary Content
Attachment: Attachment 22 - Tables 5-6 (EPA 1633) (docx)

End of document

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Version history

Version	Approval	Revision information	
3.1	27.AUG.2024		
4	31.OCT.2024		
5	11.MAR.2025		

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Attachment 1 – Mass Transitions

CAS#	Compound	Parent Ion	Daughter Ion
422-64-0	PFPrA	163.00	119.00
STL03194	13C3-PFPrA	166.00	121.00
STL02680	13C3-PFBA	216.00	172.00
STL00992	13C4-PFBA	216.80	171.90
375-22-4	PFBA	212.80	168.90
377-73-1	PFECA F (PFMPA)	229.00	84.90
356-02-5	3:3 FTCA	241.00	177.00
	3:3 FTCA (2)	241.00	117.00
2706-90-3	PFPeA	263.00	219.00
STL01893	13C5-PFPeA	268.30	223.00
863090-89-5	PFECA A (PFMBA)	279.00	85.10
82113-65-3	TFSI	280.00	147.00
	TFSI (2)	280.00	78.00
13252-13-6	HFPODA	284.90	168.90
	HFPODA (2)	284.90	184.90
STL02255	13C3-HFPODA	286.90	168.90
	13C3-HFPODA (2)	286.90	184.90
151772-58-6	PFECA B (NFDHA)	295.00	201.00
	PFECA B (NFDHA) (2)	295.00	84.90
375-73-5	PFBS	298.70	79.90
	PFBS (2)	298.70	98.80
STL02337	13C3-PFBS	302.10	79.90
307-24-4	PFHxA	313.00	269.00
	PFHxA (2)	313.00	118.90
113507-82-7	PFEESA (PES)	314.80	134.90
	PFEESA (PES) (2)	314.80	82.90
STL00993	13C2-PFHxA	315.10	270.00
STL02577	13C5-PFHxA	318.00	273.00
757124-72-4	4:2-FTS	327.10	307.00
	4:2-FTS (2)	327.10	80.90
914637-49-3	5:3 FTCA	341.00	237.10
	5:3 FTCA (2)	341.00	217.00
2706-91-4	PFPeS	349.10	79.90
	PFPeS (2)	349.10	98.90
375-85-9	PFHpA	363.10	319.00
	PFHpA (2)	363.10	169.00
STL01892	13C4-PFHpA	367.10	322.00
919005-14-4	DONA	376.90	250.90
	DONA (2)	376.90	84.80
41997-13-1	FHxSA	397.90	78.00

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Attachment 1 – Mass Transitions

CAS#	Compound	Parent Ion	Daughter Ion
355-46-4	PFHxS	398.70	79.90
	PFHxS (2)	398.70	98.90
STL02581	13C3-PFHxS	402.10	79.90
STL00994	18O2-PFHxS	403.00	83.90
335-67-1	PFOA	413.00	369.00
	PFOA (2)	413.00	169.00
STL00623	13C2-PFOA	415.00	370.00
STL00990	13C4-PFOA	417.10	372.00
STL01054	13C8-PFOA	421.10	376.00
27619-97-2	6:2-FTS	427.10	407.00
	6:2-FTS (2)	427.10	80.90
STL02279	13C2-6:2-FTS	429.10	80.90
812-70-4	7:3 FTCA	441.00	316.90
	7:3 FTCA (2)	441.00	336.90
375-92-8	PFHpS	449.00	79.90
	PFHpS (2)	449.00	98.80
133201-07-7	PFECHS	461.00	381.00
	PFECHS (2)	461.00	99.00
375-95-1	PFNA	463.00	419.00
	PFNA (2)	463.00	219.00
STL00995	13C5-PFNA	468.00	423.00
STL02578	13C9-PFNA	472.10	427.00
516-50-7	TDCA	498.00	80.00
754-91-6	PFOSA	498.10	77.90
	PFOSA (2)	498.10	478.00
516-35-8	TCDCA	498.10	80.00
14605-22-2	TUDCA	498.20	80.00
1763-23-1	PFOS	498.90	79.90
	PFOS (2)	498.90	98.80
STL00991	13C4-PFOS	502.80	79.90
STL01056	13C8-PFOSA	506.10	77.80
STL01054	13C8-PFOS	507.10	79.90
31506-32-8	NMeFOSA	511.90	219.00
	NMeFOSA (2)	511.90	169.00
335-76-2	PFDA	512.90	469.00
	PFDA (2)	512.90	219.00
STL02705	d3-NMeFOSA	515.00	219.00
STL00996	13C2-PFDA	515.10	470.10
STL02579	13C6-PFDA	519.10	474.10
4151-50-2	NEtFOSA	526.00	219.00
	NEtFOSA (2)	526.00	169.00
39108-34-4	8:2-FTS	527.10	507.00
	8:2-FTS (2)	527.10	80.80

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Attachment 1 – Mass Transitions

CAS#	Compound	Parent Ion	Daughter Ion
STL02280	13C2-8:2-FTS	529.10	80.90
756426-58-1	9Cl-PF3ONS	530.80	351.00
	9Cl-PF3ONS (2)	532.80	353.00
STL02704	d5-NEtFOSA	531.10	219.00
68259-12-1	PFNS	548.80	79.90
	PFNS (2)	548.80	98.80
2058-94-8	PFUnA	563.10	519.00
	PFUnA (2)	563.10	269.10
STL00997	13C2-PFUnA	565.00	520.00
STL02580	13C7-PFUnA	570.00	525.10
2355-31-9	NMeFOSAA	570.10	419.00
	NMeFOSAA (2)	570.10	483.00
STL02118	d3-NMeFOSAA	573.20	419.00
2991-50-6	NEtFOSAA	584.20	419.10
	NEtFOSAA (2)	584.20	526.00
STL02117	d5-NEtFOSAA	589.20	419.00
335-77-3	PFDS	599.00	79.90
	PFDS (2)	599.00	98.80
307-55-1	PFDoDA	613.10	569.00
	PFDoDA (2)	613.10	319.00
STL00998	13C2-PFDoDA	615.10	570.00
24448-09-7	NMeFOSE	616.10	58.90
STL02277	d7-NMeFOSE	623.20	58.90
1691-99-2	NEtFOSE	630.00	58.90
763051-92-9	11Cl-PF3OUdS	630.90	450.90
	11Cl-PF3OUdS (2)	632.90	452.90
STL02278	d9-NEtFOSE	639.20	58.90
72629-94-8	PFTrDA	663.00	619.00
	PFTrDA (2)	663.00	168.90
79780-39-5	PFDoS	699.10	79.90
	PFDoS (2)	699.10	98.80
376-06-7	PFTeDA	713.10	168.90
	PFTeDA (2)	713.10	219.00
STL02116	13C2-PFTeDA	715.20	670.00
16517-11-6	PFODA	913.00	869.00
	PFODA (2)	913.00	169.00

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Attachment 2 - PFAS Injection Standards/Extraction Standards/Native Compounds

Native	Extraction Standard	Internal Standard
PFBA	13C4-PFBA	13C3-PFBA
PFPrA	13C3-PFPrA	
PFPeA	13C5-PFPeA	13C2-PFHxA
3:3FTCA		
PFMPA		
PFMBA		
PFHxA	13C5-PFHxA	
NFDHA		
5:3FTCA		
7:3FTCA		
PFEESA		
PFHpA	13C4-PFHpA	
HFPO-DA	13C3-HFPO-DA	
ADONA		
9Cl-PF3ONS		
11Cl-PF3OUdS		
PFOA	13C8-PFOA	13C4-PFOA
PFNA	13C9-PFNA	13C5-PFNA
PFDA	13C6-PFDA	13C2-PFDA
PFUnA	13C7-PFUnA	
PFDoA	13C2-PFDoA	
PFTeDA	13C2-PFTeDA	
PFODA		
PFTrDA	Avg 13C2-PFTeDA and 13C2-PFDoA	
PFBS	13C3-PFBS	18O2-PFHxS
FBSA		
PFPeS	13C3-PFHxS	
PFHxS		
FHxSA		
PFECHS		
TFSI		
4:2-FTS	13C2-4:2-FTS	
6:2-FTS	13C2-6:2-FTS	
8:2-FTS	13C2-8:2-FTS	
PFHpS	13C8-PFOS	13C4-PFOS
PFOS		

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Attachment 2 - PFAS Injection Standards/Extraction Standards/Native Compounds

Native	Extraction Standard	Internal Standard
PFNS		
PFDS		
PFDoS		
PFOSA	13C8-PFOSA	
NMeFOSA	d3-NMeFOSA	
NEtFOSA	d5-NEtFOSA	
NMeFOSAA	d3-NMeFOSAA	
NEtFOSAA	d5-NEtFOSAA	
NMeFOSE	d7-N-MeFOSE-M	
NEtFOSE	d9-N-EtFOSE-M	

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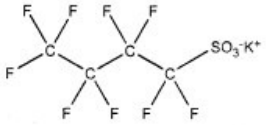
Attachment 4 – Example CoA

WELLINGTON LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

PRODUCT CODE:	L-PFBS	**LOT NUMBER:**	LPFBS1022
COMPOUND:	Potassium perfluoro-1-butanesulfonate		
STRUCTURE:		**CAS #:**	29420-49-3



MOLECULAR FORMULA:	$C_4F_9SO_3K$	**MOLECULAR WEIGHT:**	338.19
CONCENTRATION:	50.0 ± 2.5 µg/mL (K salt) 44.4 ± 2.2 µg/mL (PFBS acid) 44.2 ± 2.2 µg/mL (PFBS anion)	**SOLVENT(S):**	Methanol
CHEMICAL PURITY:	>98%		
LAST TESTED: (mm/dd/yyyy)	10/04/2022		
EXPIRY DATE: (mm/dd/yyyy)	10/04/2027		
RECOMMENDED STORAGE:	Store ampoule in a cool, dark place		

DOCUMENTATION/ DATA ATTACHED:

Figure 1: LC/MS Data (Full Scan and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

ADDITIONAL INFORMATION:

- See page 2 for further details.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

Certified By: _____ **Date:** 10/14/2022 (mm/dd/yyyy)
B.G. Chittim, General Manager

Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA
519-822-2436 • Fax: 519-822-2849 • info@well-labs.com

Form#:27, Issued 2004-11-10
Revision#:9, Revised 2020-12-23

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters x_1, x_2,...x_n on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A1226), and ISO 17034 by ANSI National Accreditation Board (ANAB; AR-1523).

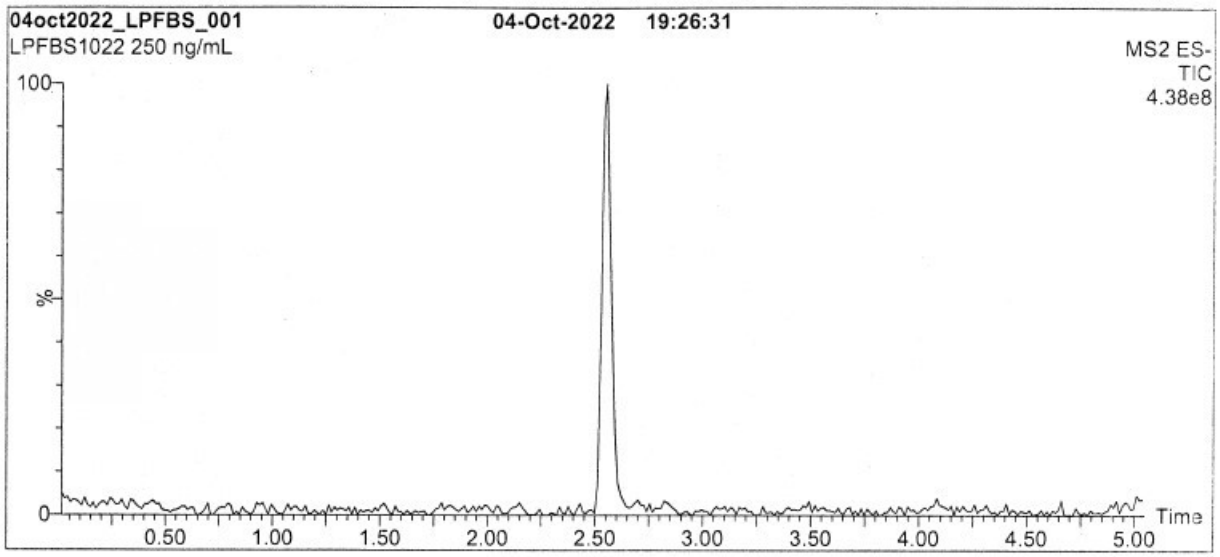
CALA Testing Accreditation No. A1226

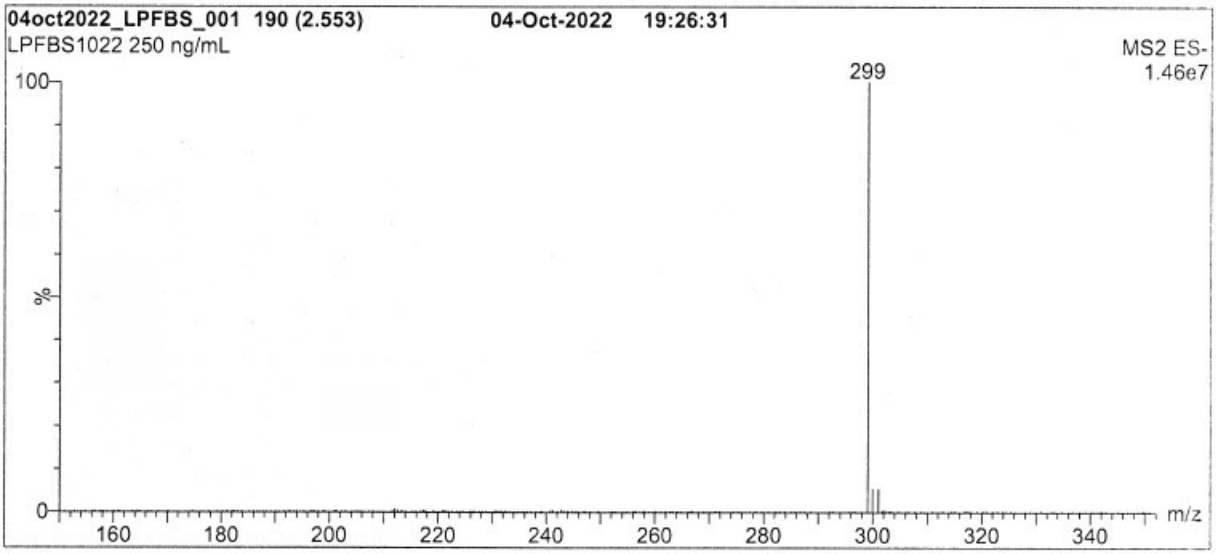
ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Attachment 4 – Example CoA

Figure 1: **L-PFBS; LC/MS Data (Full Scan and Mass Spectrum)**





Conditions for Figure 1:

Waters Acquity Ultra Performance LC
Waters Xevo TQ-S micro MS

Chromatographic Conditions:

Column: Acquity UPLC BEH Shield RP_{18}
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 60% H_2O / 40% (80:20 MeOH:ACN)
(both with 10 mM NH_4OAc buffer)
Ramp to 90% organic over 8 min and hold for 2 min
before returning to initial conditions over 0.75 min.
Time: 12 min

Flow: 300 µL/min

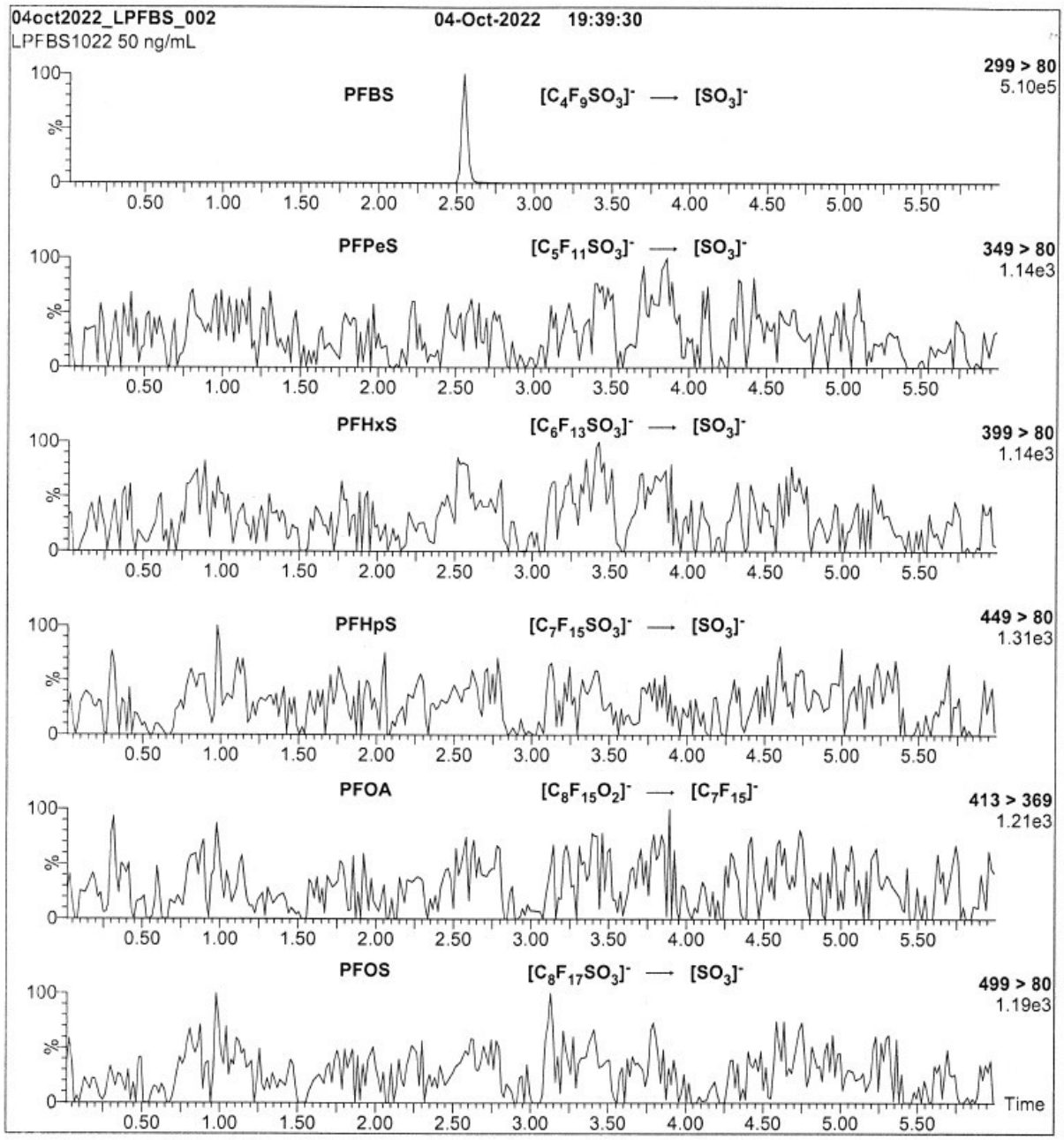
MS Parameters:

Experiment: Full Scan (150 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 10.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (L/hr) = 1000

Attachment 4 – Example CoA

Figure 2: **L-PFBS; LC/MS/MS Data (Selected MRM Transitions)**



Conditions for Figure 2:

Injection:	On-column (L-PFBS)
Mobile phase:	Same as Figure 1
Flow:	300 µL/min

MS Parameters:

Collision Gas (mbar) = 3.29e-3
Collision Energy (eV) = 30

Form#:27, Issued 2004-11-10
Revision#:9, Revised 2020-12-23

LPFBS1022 (4 of 4)
rev0

Attachment 05 - Native PFAS Intermediate A								
Vendor	Catalog Number	Analyte	CAS#	Acronym	Conc. (ng/mL)	Aliquot (mL)	Final Volume (mL) in MeOH	Final Conc. (ng/mL)
Wellington	PFBA	Perfluorobutanoic acid	375-22-4	PFBA	50000	0.100	10	500
Wellington	PFPeA	Perfluoropentanoic acid	2706-90-3	PFPeA	50000	0.050		250
Wellington	PFHxA	Perfluorohexanoic acid	307-24-4	PFHxA	50000	0.050		250
Wellington	PFHpA	Perfluoroheptanoic acid	375-85-9	PFHpA	50000	0.050		250
Wellington	br-PFOA	Perfluorooctanoic acid	335-67-1	PFOA	50000	0.050		250
Wellington	br-PFNA	Perfluorononanoic acid	375-95-1	PFNA	50000	0.050		250
Wellington	PFDA	Perfluorodecanoic acid	335-76-2	PFDA	50000	0.050		250
Wellington	PFUdA	Perfluoroundecanoic acid	2058-94-8	PFUnA	50000	0.050		250
Wellington	MPFDOA	Perfluorododecanoic acid	307-55-1	PFDoA	50000	0.050		250
Wellington	PFTrDA	Perfluorotridecanoic acid	72629-94-8	PFTrDA	50000	0.050		250
Wellington	PFTeDA	Perfluorotetradecanoic acid	376-06-7	PFTeDA	50000	0.050		250
Wellington	L-PFBS	Perfluorobutanesulfonic acid	375-73-5	PFBS	44200	0.050		221
Wellington	L-PFPeS	Perfluoropentansulfonic acid	2706-91-4	PFPeS	46900	0.050		235
Wellington	br-PFHxSK	Perfluorohexanesulfonic acid	355-46-4	PFHxS	45500	0.050		228
Wellington	L-PFHpS	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	47600	0.050		238
Wellington	br-PFOSK	Perfluorooctanesulfonic acid	1763-23-1	PFOS	46600	0.050		233
Wellington	L-PFNS	Perfluorononanesulfonic acid	68259-12-1	PFNS	48000	0.050		240
Wellington	L-PFDS	Perfluorodecanesulfonic acid	335-77-3	PFDS	48200	0.050		241
Wellington	L-PFDoS	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	48400	0.050		242
Wellington	4;2 FTS	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	46700	0.100		467
Wellington	6;2 FTS	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	47400	0.100		474
Wellington	8;2 FTS	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	47900	0.100		479
Wellington	br-FOSA	Perfluorooctanesulfonamide	754-91-6	PFOSA	50000	0.050		250
Wellington	br-NMeFOSA	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	50000	0.050		250
Wellington	br-NEtFOSA	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	50000	0.050		250
Wellington	br-NMeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	50000	0.050		250
Wellington	br-NEtFOSAA	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	50000	0.050		250
Wellington	br-NMeFOSE	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	50000	0.250		1250
Wellington	br-NMeFOSE	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	50000	0.250		1250
Wellington	HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	50000	0.0375		187.5
Wellington	NaDONA	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	47100	0.050		236
Wellington	PFEESA	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	44500	0.050		223
Wellington	PF4OPeA	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	50000	0.050		250
Wellington	PF5OHxA	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	50000	0.050		250
Wellington	3,6-OPFHpA	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	50000	0.050		250
Wellington	9Cl-PF3ONS	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	46600	0.050		233
Wellington	11Cl-PF3OUdS	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	47100	0.050		236
Wellington	FPrPA	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	50000	0.100		500
Wellington	FPePA	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	50000	0.250		1250
Wellington	FHpPA	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	50000	0.250		1250
Wellington	PFECHS	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	46100	0.050		231
Wellington	FBSA-I	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	50000	0.050		250
Wellington	FHxSA-I	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	50000	0.050		250
Wellington	PFPrA	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	50000	0.250		1250
Wellington	PFODA	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	50000	0.050		250
AccuStandard	PFOS-030S	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	97900	0.0250		245

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Attachment 06 - Native PFAS Intermediate B							
Source Rgt Name	Analyte	CAS#	Acronym	Conc. (ng/mL)	Aliquot (mL)	Final Volume (mL) in MeOH	Final Conc. (ng/mL)
Native PFAS Intermediate A	Perfluorobutanoic acid	375-22-4	PFBA	500	0.1	10	5
	Perfluoropentanoic acid	2706-90-3	PFPeA	250			2.5
	Perfluorohexanoic acid	307-24-4	PFHxA	250			2.5
	Perfluoroheptanoic acid	375-85-9	PFHpA	250			2.5
	Perfluorooctanoic acid	335-67-1	PFOA	250			2.5
	Perfluorononanoic acid	375-95-1	PFNA	250			2.5
	Perfluorodecanoic acid	335-76-2	PFDA	250			2.5
	Perfluoroundecanoic acid	2058-94-8	PFUnA	250			2.5
	Perfluorododecanoic acid	307-55-1	PFDoA	250			2.5
	Perfluorotridecanoic acid	72629-94-8	PFTrDA	250			2.5
	Perfluorotetradecanoic acid	376-06-7	PFTeDA	250			2.5
	Perfluorobutanesulfonic acid	375-73-5	PFBS	221			2.21
	Perfluoropentansulfonic acid	2706-91-4	PFPeS	235			2.35
	Perfluorohexanesulfonic acid	355-46-4	PFHxS	228			2.28
	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	238			2.38
	Perfluorooctanesulfonic acid	1763-23-1	PFOS	233			2.33
	Perfluorononanesulfonic acid	68259-12-1	PFNS	240			2.4
	Perfluorodecanesulfonic acid	335-77-3	PFDS	241			2.41
	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	242			2.42
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	467			4.67
	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	474			4.74
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	479			4.79
	Perfluorooctanesulfonamide	754-91-6	PFOSA	250			2.5
	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	250			2.5
	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	250			2.5
	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	250			2.5
	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	250			2.5
	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	1250			12.5
	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	1250			12.5
	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	187.5			1.875
	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	236			2.36
	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	223			2.23
	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	250			2.5
	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	250			2.5
	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	250			2.5
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	233			2.33
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	236			2.36
	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	500			5
	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	1250			12.5
	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	1250			12.5
	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	231			2.31
	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	250			2.5
	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	250			2.5
	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	1250			12.5
	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	250			2.5
	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	245			2.45

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Attachment 07 - Native PFAS CAL8 Intermediate								
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL) in MeOH**	**Final Conc. (ng/mL)**
Wellington	PFBA	Perfluorobutanoic acid	375-22-4	PFBA	50000	0.100	10	500
Wellington	PFPeA	Perfluoropentanoic acid	2706-90-3	PFPeA	50000	0.050		250
Wellington	PFHxA	Perfluorohexanoic acid	307-24-4	PFHxA	50000	0.050		250
Wellington	PFHpA	Perfluoroheptanoic acid	375-85-9	PFHpA	50000	0.050		250
Wellington	br-PFOA	Perfluorooctanoic acid	335-67-1	PFOA	50000	0.050		250
Wellington	br-PFNA	Perfluorononanoic acid	375-95-1	PFNA	50000	0.050		250
Wellington	L-PFBS	Perfluorobutanesulfonic acid	375-73-5	PFBS	44200	0.050		221
Wellington	L-PFPeS	Perfluoropentansulfonic acid	2706-91-4	PFPeS	46900	0.050		235
Wellington	br-PFHxSK	Perfluorohexanesulfonic acid	355-46-4	PFHxS	45500	0.050		228
Wellington	L-PFHpS	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	47600	0.050		238
Wellington	br-PFOSK	Perfluorooctanesulfonic acid	1763-23-1	PFOS	46600	0.050		233
Wellington	HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	50000	0.0375		187.5

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Attachment 08 - 1633 EIS Intermediate								
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL in MeOH)**	**Final Conc. (ng/mL)**
Wellington	MPFBA	Perfluoro-n-[13C4]butanoic acid	STL00992	$^{13}C_4$-PFBA	50000	0.08	10	400
Wellington	M5PFPeA	Perfluoro-n-[13C5]pentanoic acid	STL01893	$^{13}C_5$-PFPeA	50000	0.08		400
Wellington	M5PFHxA	Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	STL02577	$^{13}C_5$-PFHxA	50000	0.08		400
Wellington	M4PFHpA	Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	STL01892	$^{13}C_4$-PFHpA	50000	0.08		400
Wellington	M8PFOA	Perfluoro-n-[13C8]octanoic acid	STL01052	$^{13}C_8$-PFOA	50000	0.08		400
Wellington	M9PFNA	Perfluoro-n-[13C9]nonanoic acid	STL02578	$^{13}C_9$-PFNA	50000	0.08		400
Wellington	M6PFDA	Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	STL02579	$^{13}C_6$-PFDA	50000	0.08		400
Wellington	M7PFUdA	Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	STL02580	$^{13}C_7$-PFUnA	50000	0.08		400
Wellington	MPFDoA	Perfluoro-n-[1,2-13C2]dodecanoic acid	STL00998	$^{13}C_2$-PFDoA	50000	0.08		400
Wellington	M2PFTeDA	Perfluoro-n-[1,2-13C2]tetradecanoic acid	STL02116	$^{13}C_2$-PFTeDA	50000	0.08		400
Wellington	M3PFBS	Perfluoro-1-[2,3,4-13C3]butanesulfonic acid	STL02337	$^{13}C_3$-PFBS	46500	0.08		372
Wellington	M3PFHxS	Perfluoro-1-[1,2,3-13C3]hexanesulfonic acid	STL02581	$^{13}C_3$-PFHxS	47300	0.08		378
Wellington	M8PFOS	Perfluoro-1-[13C8]octanesulfonic acid	STL01054	$^{13}C_8$-PFOS	47800	0.08		382
Wellington	M8FOSA-I	Perfluoro-1-[13C8]octanesulfonamide	STL01056	$^{13}C_8$-PFOSA	50000	0.08		400
Wellington	d3-N-MeFOSAA	N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid	STL02118	d_3-NMeFOSAA	50000	0.2		1000
Wellington	d5-N-EtFOSAA	N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid	STL02117	d_5-NEtFOSAA	50000	0.2		1000
Wellington	M2-4;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]hexane sulfonic acid	STL02395	$^{13}C_2$-4:2FTS	46700	0.2		934
Wellington	M2-6;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]octane sulfonic acid	STL02279	$^{13}C_2$-6:2FTS	47500	0.2		950
Wellington	M2-8;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]decane sulfonic acid	STL02280	$^{13}C_2$-8:2FTS	47900	0.2		958
Wellington	M3HFPO-DA	Tetrafluoro-2-heptafluoropropoxy-13C3-propanoic acid	STL02255	$^{13}C_3$-HFPO-DA	50000	0.08		400
Wellington	d7-N-MeFOSE-M	N-methyl-d7-perfluorooctanesulfonamidoethanol	STL02277	d_7-N-MeFOSE-M	50000	0.2		1000
Wellington	d9-N-EtFOSE-M	N-ethyl-d9-perfluorooctanesulfonamidoethanol	STL02278	d_9-N-EtFOSE-M	50000	0.2		1000
Wellington	d-N-MeFOSA-M	N-ethyl-d5-perfluoro-1-octanesulfonamide	STL02704	d_5-NEtPFOSA	50000	0.08		400
Wellington	d-N-EtFOSA-M	N-methyl-d3-perfluoro-1-octanesulfonamide	STL02705	d_3-NMePFOSA	50000	0.08		400
Cambridge Isotope	CLM-11324-A-1.2	Perfluoropropanoic acid (PFPrA) ($^{13}C_3$)	STL03194	$^{13}C_3$-PFPrA	50000	0.08		400

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Attachment 09 - 1633 NIS Intermediate								
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL) in MeOH**	**Final Conc. (ng/mL)**
Wellington	M3PFBA	Perfluoro-n-[2,3,4-13C3]butanoic acid	STL02680	$^{13}C_3$-PFBA	50000	0.08	10	400
Wellington	MPFOA	Perfluoro-n-[1,2,3,4-13C4]octanoic acid	STL00990	$^{13}C_4$-PFOA	50000	0.2		1000
Wellington	MPFDA	Perfluoro-n-[1,2-13C2]decanoic acid	STL00996	$^{13}C_2$-PFDA	50000	0.08		400
Wellington	MPFOS	Perfluoro-n-[1,2,3,4-13C4]octanesulfonic acid	STL00991	$^{13}C_4$-PFOS	47800	0.08		382.4
Wellington	MPFNA	Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	STL00995	$^{13}C_5$-PFNA	50000	0.08		400
Wellington	MPFHxA	Perfluoro-n-[1,2-13C2]hexanoic acid	STL00993	$^{13}C_2$-PFHxA	50000	0.2		1000
Wellington	MPFHxS	Perfluoro-1-hexane[18O2]sulfonic acid	STL00994	$^{18}O_2$-PFHxS	47300	0.08		378.4

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Attachment 10 - 1633 TOP SS Intermediate								
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL in MeOH)**	**Final Conc. (ng/mL)**
Wellington	M2PFOA	Perfluoro-n-(1,2-13C2)octanoic acid	STL00623	$^{13}C_2$-PFOA	50000	0.025	10	125
Wellington	MPFUdA	Perfluoro-n-(1,2-13C2)undecanoic acid	STL00997	$^{13}C_2$-PFUnA	50000	0.025		125
Wellington	M3PFPeA	Perfluoro-n-(3,4,5-13C3)pentanoic acid	STL03269	$^{13}C_3$-PFPeA	50000	0.025		125

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Attachment 11 - 1633 Initial Calibration Standards Preparation								
Solution Name	**CAL1**	**CAL2**	**CAL3**	**CAL4**	**CAL5**	**CAL6**	**CAL7**	**CAL8**
Native PFAS CAL8 Intermediate (mL)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.0
Native PFAS Intermediate A (mL)	N/A	N/A	0.02	0.04	0.1	0.2	0.4	N/A
Native PFAS Intermediate B (mL)	0.2	0.5	N/A	N/A	N/A	N/A	N/A	N/A
1633 TOP SS Intermediate (mL)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1633 EIS Intermediate (mL)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1633 NIS Intermediate (mL)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Final Volume (mL)	10	10	10	10	10	10	10	10

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Attachment 12 - 1633 Initial Calibration Standard Concentrations								
	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7	CAL8
Analyte Name	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)
PFBA	0.100	0.250	1.00	2.00	5.00	10.0	20.0	100
PFPeA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFHxA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFHpA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFOA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFNA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFDA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFUnA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFDoA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFTrDA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFTeDA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFBS	0.044	0.111	0.442	0.884	2.21	4.42	8.84	44.2
PFPeS	0.047	0.117	0.469	0.938	2.35	4.69	9.38	46.9
PFHxS	0.046	0.114	0.455	0.910	2.28	4.55	9.10	45.5
PFHpS	0.048	0.119	0.476	0.952	2.38	4.76	9.52	47.6
PFOS	0.047	0.117	0.466	0.932	2.33	4.66	9.32	46.6
PFNS	0.048	0.120	0.480	0.960	2.40	4.80	9.60	N/A
PFDS	0.048	0.121	0.482	0.964	2.41	4.82	9.64	N/A
PFDoS	0.048	0.121	0.484	0.968	2.42	4.84	9.68	N/A
4:2-FTS	0.093	0.234	0.934	1.87	4.67	9.34	18.7	N/A
6:2-FTS	0.095	0.237	0.948	1.90	4.74	9.48	19.0	N/A
8:2-FTS	0.096	0.240	0.958	1.92	4.79	9.58	19.2	N/A
PFOSA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NMeFOSA / N-MePFOSA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NEtFOSA / N-EtPFOSA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NMeFOSAA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NEtFOSAA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NMePFOSAE / NMeFOSE	0.250	0.625	2.50	5.00	12.5	25.0	50.0	N/A
NEtPFOSAE / NEtFOSE	0.250	0.625	2.50	5.00	12.5	25.0	50.0	N/A
HFPO-DA / GenX	0.038	0.094	0.38	0.750	1.88	3.75	7.50	37.5
ADONA	0.047	0.118	0.471	0.942	2.36	4.71	9.42	N/A
PFEESA / PES	0.045	0.111	0.445	0.890	2.23	4.45	8.90	N/A
PFMPA / PFECA F	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFMBA / PFECA A	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NFDHA / PFECA B	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
9Cl-PF3ONS	0.047	0.117	0.466	0.93	2.33	4.66	9.32	N/A
11Cl-PF3OUdS	0.047	0.118	0.471	0.94	2.36	4.71	9.42	N/A
3:3 FTCA	0.100	0.250	1.00	2.00	5.00	10.0	20.0	N/A
5:3 FTCA	0.250	0.625	2.50	5.00	12.5	25.0	50.0	N/A
7:3 FTCA	0.250	0.625	2.50	5.00	12.5	25.0	50.0	N/A
PFECHS	0.046	0.116	0.462	0.92	2.31	4.62	9.24	N/A
FBSA	0.050	0.125	0.500	1.00	2.50	5.00	10.0	N/A
FHxSA	0.050	0.125	0.500	1.00	2.50	5.00	10.0	N/A
PFPrA / PPF Acid	0.250	0.625	2.500	5.00	12.5	25.0	50.0	N/A
PFODA	0.050	0.125	0.500	1.00	2.50	5.00	10.0	N/A
TFSI	0.049	0.122	0.490	0.98	2.45	4.90	9.79	N/A
$^{13}C_3$-PFPrA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_4$-PFBA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_5$-PFPeA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_5$-PFHxA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_4$-PFHpA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_8$-PFOA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_9$-PFNA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_6$-PFDA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_7$-PFUnA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_2$-PFDoA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_2$-PFTeDA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_3$-PFBS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_3$-PFHxS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_8$-PFOS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_8$-PFOSA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
d_3-NMeFOSAA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
d_5-NEtFOSAA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_2$-4:2FTS	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_2$-6:2FTS	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_2$-8:2FTS	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_3$-HFPO-DA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
d_7-N-MeFOSE-M	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
d_9-N-EtFOSE-M	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
d_5-NEtPFOSA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
d_3-NMePFOSA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_3$-PFBA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_4$-PFOA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_2$-PFDA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_4$-PFOS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_5$-PFNA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_2$-PFHxA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{18}O_2$-PFHxS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_2$-PFOA	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
$^{13}C_2$-PFUnA	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
$^{13}C_3$-PFPeA	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625

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Attachment 13 - Bile Salts Stock Solution							
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Aliquot (g)**	**Final Volume (mL of MeOH)**	**Final Conc. (ng/mL)**
Sigma Aldrich	T0557-500MG	Taurodeoxycholic acid	516-50-7	TDCA	0.05	50	1000000
Sigma Aldrich	T6260-1G	Taurochenodeoxycholic acid	516-35-8	TCDCA	0.05		950000
Calbiochem	580549-1GM	Tauroursodeoxycholic acid	14605-22-2	TUDCA	0.05		1000000

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Attachment 14 - Bile Salts Intermediate							
Source Rgt Name	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL of MeOH)**	**Final Conc. (ng/mL)**
Bile Salts Stock Solution	Taurodeoxycholic acid	516-50-7	TDCA	1000000	1	4	250000
	Taurochenodeoxycholic acid	516-35-8	TCDCA	950000			237500
	Tauroursodeoxycholic acid	14605-22-2	TUDCA	1000000			250000

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Attachment 15 - Bile Salts Working Solution							
Source Rgt Name	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL of MeOH)**	**Final Conc. (ng/mL)**
Bile Salts Intermediate	Taurodeoxycholic acid	516-50-7	TDCA	250000	0.1	5	5000
	Taurochenodeoxycholic acid	516-35-8	TCDCA	237500			4750
	Tauroursodeoxycholic acid	14605-22-2	TUDCA	250000			5000

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Attachment 16 - 1633 Window-Defining Matrix Standard							
Source Rgt. Name	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume* (mL)**	**Final Conc. (ng/mL)**
Bile Salts Working Solution	Taurodeoxycholic acid	516-50-7	TDCA	5000	0.05	10	25
	Taurochenodeoxycholic acid	516-35-8	TCDCA	4750			23.8
	Tauroursodeoxycholic acid	14605-22-2	TUDCA	5000			25

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Attachment 17 - Native 1633 Mid-Level Spike							
Source Rgt. Name	Analyte	CAS#	Acronym	Conc. (ng/mL)	Aliquot (mL)	Final Volume (mL in MeOH)	Final Conc. (ng/mL)
Native PFAS Intermediate A	Perfluorobutanoic acid	375-22-4	PFBA	500	4	10	200
	Perfluoropentanoic acid	2706-90-3	PFPeA	250			100
	Perfluorohexanoic acid	307-24-4	PFHxA	250			100
	Perfluoroheptanoic acid	375-85-9	PFHpA	250			100
	Perfluorooctanoic acid	335-67-1	PFOA	250			100
	Perfluorononanoic acid	375-95-1	PFNA	250			100
	Perfluorodecanoic acid	335-76-2	PFDA	250			100
	Perfluoroundecanoic acid	2058-94-8	PFUnA	250			100
	Perfluorododecanoic acid	307-55-1	PFDoA	250			100
	Perfluorotridecanoic acid	72629-94-8	PFTrDA	250			100
	Perfluorotetradecanoic acid	376-06-7	PFTeDA	250			100
	Perfluorobutanesulfonic acid	375-73-5	PFBS	221			88.4
	Perfluoropentansulfonic acid	2706-91-4	PFPeS	235			93.8
	Perfluorohexanesulfonic acid	355-46-4	PFHxS	228			91.0
	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	238			95.2
	Perfluorooctanesulfonic acid	1763-23-1	PFOS	233			93.2
	Perfluorononanesulfonic acid	68259-12-1	PFNS	240			96.0
	Perfluorodecanesulfonic acid	335-77-3	PFDS	241			96.4
	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	242			96.8
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	467			187
	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	474			190
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	479			192
	Perfluorooctanesulfonamide	754-91-6	PFOSA	250			100
	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	250			100
	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	250			100
	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	250			100
	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	250			100
	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	1250			500
	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	1250			500
	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	187.5			75.0
	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	236			94.2
	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	223			89.0
	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	250			100
	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	250			100
	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	250			100
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	233			93.2
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	236			94.2
	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	500			200
	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	1250			500
	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	1250			500
	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	231			92.2
	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	250			100
	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	250			100
	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	1250			500
	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	250			100
	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	245			97.9

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Attachment 18 - Native 1633 Low-Level Spike							
Source Rgt. Name	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL in MeOH)**	**Final Conc. (ng/mL)**
Native PFAS Intermediate A	Perfluorobutanoic acid	375-22-4	PFBA	500	0.5	10	25.00
	Perfluoropentanoic acid	2706-90-3	PFPeA	250			12.50
	Perfluorohexanoic acid	307-24-4	PFHxA	250			12.50
	Perfluoroheptanoic acid	375-85-9	PFHpA	250			12.50
	Perfluorooctanoic acid	335-67-1	PFOA	250			12.50
	Perfluorononanoic acid	375-95-1	PFNA	250			12.50
	Perfluorodecanoic acid	335-76-2	PFDA	250			12.50
	Perfluoroundecanoic acid	2058-94-8	PFUnA	250			12.50
	Perfluorododecanoic acid	307-55-1	PFDoA	250			12.50
	Perfluorotridecanoic acid	72629-94-8	PFTrDA	250			12.50
	Perfluorotetradecanoic acid	376-06-7	PFTeDA	250			12.50
	Perfluorobutanesulfonic acid	375-73-5	PFBS	221			11.05
	Perfluoropentansulfonic acid	2706-91-4	PFPeS	235			11.73
	Perfluorohexanesulfonic acid	355-46-4	PFHxS	228			11.38
	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	238			11.90
	Perfluorooctanesulfonic acid	1763-23-1	PFOS	233			11.65
	Perfluorononanesulfonic acid	68259-12-1	PFNS	240			12.00
	Perfluorodecanesulfonic acid	335-77-3	PFDS	241			12.05
	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	242			12.10
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	467			23.35
	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	474			23.70
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	479			23.95
	Perfluorooctanesulfonamide	754-91-6	PFOSA	250			12.50
	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	250			12.50
	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	250			12.50
	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	250			12.50
	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	250			12.50
	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	1250			62.50
	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	1250			62.50
	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	187.5			9.38
	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	235.5			11.78
	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	223			11.13
	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	250			12.50
	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	250			12.50
	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	250			12.50
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	233			11.65
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	235.5			11.78
	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	500			25.00
	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	1250			62.50
	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	1250			62.50
	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	230.5			11.53
	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	250			12.50
	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	250			12.50
	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	1250			62.50
	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	250			12.50
	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	244.75			12.24

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Attachment 19 - 1633 ICV Working Standard							
Source Rgt. Name	Analyte	CAS#	Acronym	Conc. (ng/mL)	Aliquot (mL)	Final Volume (mL	Final Conc. (ng/mL)
Native PFAS Intermediate A	Perfluorobutanoic acid	375-22-4	PFBA	500	0.050	10	2.50
	Perfluoropentanoic acid	2706-90-3	PFPeA	250			1.25
	Perfluorohexanoic acid	307-24-4	PFHxA	250			1.25
	Perfluoroheptanoic acid	375-85-9	PFHpA	250			1.25
	Perfluorooctanoic acid	335-67-1	PFOA	250			1.25
	Perfluorononanoic acid	375-95-1	PFNA	250			1.25
	Perfluorodecanoic acid	335-76-2	PFDA	250			1.25
	Perfluoroundecanoic acid	2058-94-8	PFUnA	250			1.25
	Perfluorododecanoic acid	307-55-1	PFDoA	250			1.25
	Perfluorotridecanoic acid	72629-94-8	PFTrDA	250			1.25
	Perfluorotetradecanoic acid	376-06-7	PFTeDA	250			1.25
	Perfluorobutanesulfonic acid	375-73-5	PFBS	221			1.105
	Perfluoropentansulfonic acid	2706-91-4	PFPeS	235			1.173
	Perfluorohexanesulfonic acid	355-46-4	PFHxS	228			1.138
	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	238			1.190
	Perfluorooctanesulfonic acid	1763-23-1	PFOS	233			1.165
	Perfluorononanesulfonic acid	68259-12-1	PFNS	240			1.200
	Perfluorodecanesulfonic acid	335-77-3	PFDS	241			1.205
	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	242			1.210
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	467			2.34
	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	474			2.37
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	479			2.40
	Perfluorooctanesulfonamide	754-91-6	PFOSA	250			1.25
	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	250			1.25
	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	250			1.25
	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	250			1.25
	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	250			1.25
	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	1250			6.25
	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	1250			6.25
	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	187.5			0.938
	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	236			1.178
	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	223			1.113
	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	250			1.25
	Perfluoro-4-methoxybutanoic acid	863090-89-6	PFMBA / PFECA A	250			1.25
	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	250			1.25
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	233			1.165
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	236			1.178
	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	500			2.50
	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	1250			6.25
	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	1250			6.25
	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	231			1.153
	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	250			1.25
	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	250			1.25
	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	1250			6.25
	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	250			1.25
	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	245			1.224
1633 TOP SS Intermediate	Perfluoro-n-(1,2-13C2)octanoic acid	STL00623	$^{13}C_2$-PFOA	125	0.050		0.625
	Perfluoro-n-(1,2-13C2)undecanoic acid	STL00997	$^{13}C_2$-PFUnA	125			0.625
	Perfluoro-n-(3,4,5-13C3)pentanoic acid	STL03269	$^{13}C_3$-PFPeA	125			0.625
1633 EIS Intermediate	Perfluoro-n-[13C4]butanoic acid	STL00992	$^{13}C_4$-PFBA	400	0.050		2.00
	Perfluoro-n-[13C5]pentanoic acid	STL01893	$^{13}C_5$-PFPeA	400			2.00
	Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	STL02577	$^{13}C_5$-PFHxA	400			2.00
	Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	STL01892	$^{13}C_4$-PFHpA	400			2.00
	Perfluoro-n-[13C8]octanoic acid	STL01052	$^{13}C_8$-PFOA	400			2.00
	Perfluoro-n-[13C9]nonanoic acid	STL02578	$^{13}C_9$-PFNA	400			2.00
	Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	STL02579	$^{13}C_6$-PFDA	400			2.00
	Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	STL02580	$^{13}C_7$-PFUnA	400			2.00
	Perfluoro-n-[1,2-13C2]dodecanoic acid	STL00998	$^{13}C_2$-PFDoA	400			2.00
	Perfluoro-n-[1,2-13C2]tetradecanoic acid	STL02116	$^{13}C_2$-PFTeDA	400			2.00
	Perfluoro-1-[2,3,4-13C3]butanesulfonic acid	STL02337	$^{13}C_3$-PFBS	372			1.86
	Perfluoro-1-[1,2,3-13C3]hexanesulfonic acid	STL02581	$^{13}C_3$-PFHxS	378			1.89
	Perfluoro-1-[13C8]octanesulfonic acid	STL01054	$^{13}C_8$-PFOS	382			1.91
	Perfluoro-1-[13C8]octanesulfonamide	STL01056	$^{13}C_8$-PFOSA	400			2.00
	N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid	STL02118	d_3-NMeFOSAA	1000			5.00
	N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid	STL02117	d_5-NEtFOSAA	1000			5.00
	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]hexane sulfonic acid	STL02395	$^{13}C_2$-4:2FTS	934			4.67
	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]octane sulfonic acid	STL02279	$^{13}C_2$-6:2FTS	950			4.75
	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]decane sulfonic acid	STL02280	$^{13}C_2$-8:2FTS	958			4.79
	Tetrafluoro-2-heptafluoropropoxy-13C3-propanoic acid	STL02255	$^{13}C_3$-HFPO-DA	400			2.00
	N-methyl-d7-perfluorooctanesulfonamidoethanol	STL02277	d_7-N-MeFOSE-M	1000			5.00
	N-ethyl-d9-perfluorooctanesulfonamidoethanol	STL02278	d_9-N-EtFOSE-M	1000			5.00
	N-ethyl-d5-perfluoro-1-octanesulfonamide	STL02704	d_5-NEtPFOSA	400			2.00
	N-methyl-d3-perfluoro-1-octanesulfonamide	STL02705	d_3-NMePFOSA	400			2.00
	Perfluoropropanoic acid (PFPrA) ($^{13}C_3$)	STL03194	$^{13}C_3$-PFPrA	400			2.00
1633 NIS Intermediate	Perfluoro-n-[2,3,4-13C3]butanoic acid	STL02680	$^{13}C_3$-PFBA	400	0.050		2.00
	Perfluoro-n-[1,2,3,4-13C4]octanoic acid	STL00990	$^{13}C_4$-PFOA	1000			5.00
	Perfluoro-n-[1,2-13C2]decanoic acid	STL00996	$^{13}C_2$-PFDA	400			2.00
	Perfluoro-n-[1,2,3,4-13C4]octanesulfonic acid	STL00991	$^{13}C_4$-PFOS	382			1.91
	Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	STL00995	$^{13}C_5$-PFNA	400			2.00
	Perfluoro-n-[1,2-13C2]hexanoic acid	STL00993	$^{13}C_2$-PFHxA	1000			5.00
	Perfluoro-1-hexane[18O2]sulfonic acid	STL00994	$^{18}O_2$-PFHxS	378			1.89

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Attachment 20 - Purchased Standards					
Vendor	Cat. No.	Analyte	CAS#	Acronym	Conc. (ng/ml)
Wellington	PFBA	Perfluorobutanoic acid	375-22-4	PFBA	50000
Wellington	PFPeA	Perfluoropentanoic acid	2706-90-3	PFPeA	50000
Wellington	PFHxA	Perfluorohexanoic acid	307-24-4	PFHxA	50000
Wellington	PFHpA	Perfluoroheptanoic acid	375-85-9	PFHpA	50000
Wellington	br-PFOA	Perfluorooctanoic acid	335-67-1	PFOA	50000
Wellington	br-PFNA	Perfluorononanoic acid	375-95-1	PFNA	50000
Wellington	PFDA	Perfluorodecanoic acid	335-76-2	PFDA	50000
Wellington	PFUdA	Perfluoroundecanoic acid	2058-94-8	PFUnA	50000
Wellington	MPFDOA	Perfluorododecanoic acid	307-55-1	PFDoA	50000
Wellington	PFTrDA	Perfluorotridecanoic acid	72629-94-8	PFTrDA	50000
Wellington	PFTeDA	Perfluorotetradecanoic acid	376-06-7	PFTeDA	50000
Wellington	L-PFBS	Perfluorobutanesulfonic acid	375-73-5	PFBS	44200
Wellington	L-PFPeS	Perfluoropentansulfonic acid	2706-91-4	PFPeS	46900
Wellington	br-PFHxSK	Perfluorohexanesulfonic acid	355-46-4	PFHxS	45500
Wellington	L-PFHpS	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	47600
Wellington	br-PFOSK	Perfluorooctanesulfonic acid	1763-23-1	PFOS	46600
Wellington	L-PFNS	Perfluorononanesulfonic acid	68259-12-1	PFNS	48000
Wellington	L-PFDS	Perfluorodecanesulfonic acid	335-77-3	PFDS	48200
Wellington	L-PFDoS	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	48400
Wellington	4;2 FTS	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	46700
Wellington	6;2 FTS	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	47400
Wellington	8;2 FTS	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	47900
Wellington	br-FOSA	Perfluorooctanesulfonamide	754-91-6	PFOSA	50000
Wellington	br-NMeFOSA	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	50000
Wellington	br-NEtFOSA	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	50000
Wellington	br-NMeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	50000
Wellington	br-NEtFOSAA	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	50000
Wellington	br-NMeFOSE	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	50000
Wellington	br-NEtFOSE	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	50000
Wellington	HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	50000
Wellington	NaDONA	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	47100
Wellington	PFEESA	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	44500
Wellington	PF4OPeA	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	50000
Wellington	PF5OHxA	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	50000
Wellington	3,6-OPFHpA	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	50000
Wellington	9Cl-PF3ONS	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	46600
Wellington	11Cl-PF3OUdS	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	47100
Wellington	FPrPA	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	50000
Wellington	FPePA	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	50000
Wellington	FHpPA	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	50000
Wellington	PFECHS	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	46100
Wellington	FBSA-I	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	50000
Wellington	FHxSA-I	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	50000
Wellington	PFPrA	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	50000
Wellington	PFODA	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	50000
AccuStandard	PFOS-030S	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	97900
Wellington	MPFBA	Perfluoro-n-[13C4]butanoic acid	STL00992	$^{13}C_4$-PFBA	50000
Wellington	M5PFPeA	Perfluoro-n-[13C5]pentanoic acid	STL01893	$^{13}C_5$-PFPeA	50000
Wellington	M5PFHxA	Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	STL02577	$^{13}C_5$-PFHxA	50000
Wellington	M4PFHpA	Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	STL01892	$^{13}C_4$-PFHpA	50000
Wellington	M8PFOA	Perfluoro-n-[13C8]octanoic acid	STL01052	$^{13}C_8$-PFOA	50000
Wellington	M9PFNA	Perfluoro-n-[13C9]nonanoic acid	STL02578	$^{13}C_9$-PFNA	50000
Wellington	M6PFDA	Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	STL02579	$^{13}C_6$-PFDA	50000
Wellington	M7PFUdA	Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	STL02580	$^{13}C_7$-PFUnA	50000
Wellington	MPFDoA	Perfluoro-n-[1,2-13C2]dodecanoic acid	STL00998	$^{13}C_2$-PFDoA	50000
Wellington	M2PFTeDA	Perfluoro-n-[1,2-13C2]tetradecanoic acid	STL02116	$^{13}C_2$-PFTeDA	50000
Wellington	M3PFBS	Perfluoro-1-[2,3,4-13C3]butanesulfonic acid	STL02337	$^{13}C_3$-PFBS	46500
Wellington	M3PFHxS	Perfluoro-1-[1,2,3-13C3]hexanesulfonic acid	STL02581	$^{13}C_3$-PFHxS	47300
Wellington	M8PFOS	Perfluoro-1-[13C8]octanesulfonic acid	STL01054	$^{13}C_8$-PFOS	47800
Wellington	M8FOSA-I	Perfluoro-1-[13C8]octanesulfonamide	STL01056	$^{13}C_8$-PFOSA	50000
Wellington	d3-N-MeFOSAA	N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid	STL02118	d_3-NMeFOSAA	50000
Wellington	d5-N-EtFOSAA	N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid	STL02117	d_5-NEtFOSAA	50000
Wellington	M2-4;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]hexane sulfonic acid	STL02395	$^{13}C_2$-4:2FTS	46700
Wellington	M2-6;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]octane sulfonic acid	STL02279	$^{13}C_2$-6:2FTS	47500
Wellington	M2-8;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]decane sulfonic acid	STL02280	$^{13}C_2$-8:2FTS	47900
Wellington	M3HFPO-DA	Tetrafluoro-2-heptafluoropropoxy-13C3-propanoic acid	STL02255	$^{13}C_3$-HFPO-DA	50000
Wellington	d7-N-MeFOSE-M	N-methyl-d7-perfluorooctanesulfonamidoethanol	STL02277	d_7-N-MeFOSE-M	50000
Wellington	d9-N-EtFOSE-M	N-ethyl-d9-perfluorooctanesulfonamidoethanol	STL02278	d_9-N-EtFOSE-M	50000
Wellington	d-N-MeFOSA-M	N-ethyl-d5-perfluoro-1-octanesulfonamide	STL02704	d_5-NEtPFOSA	50000
Wellington	d-N-EtFOSA-M	N-methyl-d3-perfluoro-1-octanesulfonamide	STL02705	d_3-NMePFOSA	50000
Cambridge Isotope	CLM-11324-A-1.2	Perfluoropropanoic acid (PFPrA) ($^{13}C_3$)	STL03194	$^{13}C_3$-PFPrA	50000
Wellington	M3PFBA	Perfluoro-n-[2,3,4-13C3]butanoic acid	STL02680	$^{13}C_3$-PFBA	50000
Wellington	MPFOA	Perfluoro-n-[1,2,3,4-13C4]octanoic acid	STL00990	$^{13}C_4$-PFOA	50000
Wellington	MPFDA	Perfluoro-n-[1,2-13C2]decanoic acid	STL00996	$^{13}C_2$-PFDA	50000
Wellington	MPFOS	Perfluoro-n-[1,2,3,4-13C4]octanesulfonic acid	STL00991	$^{13}C_4$-PFOS	47800
Wellington	MPFNA	Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	STL00995	$^{13}C_5$-PFNA	50000
Wellington	MPFHxA	Perfluoro-n-[1,2-13C2]hexanoic acid	STL00993	$^{13}C_2$-PFHxA	50000
Wellington	MPFHxS	Perfluoro-1-hexane[18O2]sulfonic acid	STL00994	$^{18}O_2$-PFHxS	47300
Wellington	M2PFOA	Perfluoro-n-(1,2-13C2)octanoic acid	STL00623	$^{13}C_2$-PFOA	50000
Wellington	MPFUdA	Perfluoro-n-(1,2-13C2)undecanoic acid	STL00997	$^{13}C_2$-PFUnA	50000
Wellington	M3PFPeA	Perfluoro-n-(3,4,5-13C3)pentanoic acid	STL03269	$^{13}C_3$-PFPeA	50000
Sigma Aldrich	T0557-500MG	Taurodeoxycholic acid	516-50-7	TDCA	neat
Sigma Aldrich	T6260-1G	Taurochenodeoxycholic acid	516-35-8	TCDCA	neat
Calbiochem	580549-1GM	Tauroursodeoxycholic acid	14605-22-2	TUDCA	neat

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Table 5. IPR/OPR/LLOPR Acceptance Limits for Target Analytes in Aqueous Matrices[1]

Target Analyte	IPR[2]		OPR/LLOPR Recovery (%)[2]
	Mean Recovery (%)	RSD (%)	
PFBA	70 - 135	21	70 - 140
PFPeA	70 - 135	23	65 - 135
PFHxA	70 - 135	24	70 - 145
PFHpA	70 - 135	28	70 - 150
PFOA	65 - 155	27	70 - 150
PFNA	70 - 140	28	70 - 150
PFDA	65 - 140	26	70 - 140
PFUnA	70 - 135	29	70 - 145
PFDoA	70 - 130	21	70 - 140
PFTrDA	60 - 145	29	65 - 140
PFTeDA	70 - 145	27	60 - 140
PFBS	70 - 140	23	60 - 145
PFPeS	70 - 135	25	65 - 140
PFHxS	70 - 135	27	65 - 145
PFHpS	70 - 140	30	70 - 150
PFOS	70 - 140	29	55 - 150
PFNS	70 - 135	29	65 - 145
PFDS	70 - 135	30	60 - 145
PFDoS	45 - 135	35	50 - 145
4:2FTS	70 - 135	27	70 - 145
6:2FTS	70 - 135	32	65 - 155
8:2FTS	70 - 140	33	60 - 150
PFOSA	70 - 135	22	70 - 145
NMeFOSA	70 - 135	30	60 - 150
NEtFOSA	70 - 130	26	65 - 145
NMeFOSAA	65 - 140	32	50 - 140
NEtFOSAA	70 - 135	28	70 - 145
NMeFOSE	70 - 135	29	70 - 145
NEtFOSE	70 - 130	21	70 - 135
HFPO-DA	70 - 135	23	70 - 140
ADONA	70 - 135	23	65 - 145
PFMPA	60 - 140	23	55 - 140
PFMBA	65 - 145	27	60 - 150
NFDHA	65 - 140	37	50 - 150
9Cl-PF3ONS	70 - 145	30	70 - 155
11Cl-PF3OUdS	50 - 150	35	55 - 160
PFEESA	70 - 135	25	70 - 140
3:3FTCA	70 - 130	23	65 - 130
5:3FTCA	70 - 130	24	70 - 135
7:3FTCA	55 - 130	34	50 - 145

[1] Limits apply to the IPR, OPR, and LLOPR analyses associated with all aqueous matrices, including wastewater, surface water, groundwater, and landfill leachates.

[2] The recovery and RSD limits apply to the target analyte results for IPR, OPR, and LLOPR samples associated with all aqueous matrices. Data were derived from the multi-laboratory validation study and are therefore the limits required for this method.

Attachment "" to "US Eurofins US Lancaster Laboratories Environmental - Aqueous PFAS Prep by SPE and Analysis by LC-MS-MS by EPA 1633 and EPA 1633A" Page 50 of 51
Printed by Lisa Cooke, d. Thu 20 Mar 2025 15:47 EDT

Table 6. Acceptance Limits for EIS and NIS Compounds in All Aqueous Matrices and Associated QC Samples		
	Aqueous Matrices Other Than Leachates[2]	Landfill Leachates[3]
EIS Compound[1]	Recovery (%)	Recovery (%)
$^{13}C_4$-PFBA	5[4] - 130	5[4] - 130
$^{13}C_5$-PFPeA	40 - 130	40 - 130
$^{13}C_5$-PFHxA	40 - 130	40 - 130
$^{13}C_4$-PFHpA	40 - 130	40 - 130
$^{13}C_8$-PFOA	40 - 130	40 - 130
$^{13}C_9$-PFNA	40 - 130	40 - 130
$^{13}C_6$-PFDA	40 - 130	40 - 130
$^{13}C_7$-PFUnA	30 - 130	40 - 130
$^{13}C_2$-PFDoA	10 - 130	35 – 130
$^{13}C_2$-PFTeDA	10 - 130	25 – 130
$^{13}C_3$-PFBS	40 - 135	40 - 130
$^{13}C_3$-PFHxS	40 - 130	40 - 130
$^{13}C_8$-PFOS	40 - 130	40 - 130
$^{13}C_2$-4:2FTS	40 - 200	40 – 220
$^{13}C_2$-6:2FTS	40 - 200	40 – 170
$^{13}C_2$-8:2FTS	40 - 300	40 – 145
$^{13}C_8$-PFOSA	40 - 130	40 – 130
D_3-NMeFOSA	10 - 130	40 – 130
D_5-NEtFOSA	10 - 130	35 - 130
D_3-NMeFOSAA	40 - 170	35 - 130
D_5-NEtFOSAA	25 - 135	30 - 130
D_7-NMeFOSE	10 - 130	20 - 130
D_9-NEtFOSE	10 - 130	20 - 130
$^{13}C_3$-HFPO-DA	40 - 130	40 - 130
$^{13}C_3$-PFBA	50 - 200	50 - 200
$^{13}C_2$-PFHxA		
$^{13}C_4$-PFOA		
$^{13}C_5$-PFNA		
$^{13}C_2$-PFDA		
$^{18}O_2$-PFHxS		
$^{13}C_4$-PFOS		

[1] The recovery limits for the EIS compounds were derived by EPA from the data from multi-laboratory validation study. To simplify laboratory operations, EPA has applied the same EIS recovery limits used for field sample analyses to the EIS recoveries in the method blank, IPR, OPR, and LLOPR samples. There are no IPR mean or RSD criteria for the EIS compounds.

[2] Limits apply to the EIS and NIS recoveries from samples of aqueous matrices, including wastewater, surface water, and groundwater, but **not** landfill leachates.

[3] Limits apply to the EIS and NIS recoveries from samples of landfill leachates, **not** other aqueous matrices.

[4] Recovery of $^{13}C_4$-PFBA can be problematic in some field samples. Although the lower limit for recovery for this EIS is set below 10%, laboratories should routinely track recovery of this EIS and take reasonable steps to ensure that recovery is at least 10% in the majority of samples.

eurofins	Always check on-line for validity. **Solid PFAS Prep by Sonication and Analysis by LC-MS-MS by EPA 1633 and EPA 1633A**	Level: **Work Instruction**
Document number: **T-PFAS-WI72213**		
Old Reference:		
Version: **5**		Organisation level: **5-Sub-BU**
Approved by: **TYZ8** Effective Date: **11-MAR-2025**	Document users: **5_EUUSLA_PFAS_Manager, 6_EUUSLA_PFAS_Analyst, 6_EUUSLA_PFAS_BKK_Data_Reviewers, 6_EUUSLA_PFAS_Data_Reviewers, 6_EUUSLA_PFAS_Management_Team, 6_EUUSLA_PFAS_Sample_Prep**	Responsible: **5_EUUSLA_PFAS_Manager**

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Revision Log

	Revision: 05	**Effective date:** This version
Section	**Justification**	**Changes**
Revision Log	Formatting requirement	Removed revision logs up to the previous version
Cross Reference	Enhancement	Added Moisture form, QC rotation form
Sample Collection, Preservation, and Handling	Clarification	Clarified sample container
Reagents and Standards	Enhancement	Added sand
Procedure A	Enhancement	Added an additional centrifugation step. Added Data Types. Added uncertainty to biosolid weights. Added requirement to check sonicator water level. Added solvents to clean manifold ports. Added drip rate.

	Revision: 04	**Effective date:** 31.OCT.2024
Section	**Justification**	**Changes**
Revision Log	Formatting requirement	Removed revision logs up to the previous version
Apparatus and Equipment	Enhancement	Added missing vendors. Standards are stored in the dark.
Calibration	Enhancement	CCVs are run every 10 injections of field sample extracts
Reagents and Standards	Enhancement	Added missing vendors.
Procedure A, B, C	Clarification	Clarified prep procedure
Procedure D	Clarification	removed references to Cal0. Added additional ICB in sequence. Rearranged section.
Procedure E	Enhancement	Added section to address dilutions
QA/QC	Clarification	IAR ratio is based off the mid-point CCV standard
Attachments	Clarification	Updates to Att 01, 02, 11,12, 16

Reference

1. USEPA Method 1633, Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS, January 2024.

2. USEPA Method 1633 Revision A, Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS, December 2024.

3. Chemical Hygiene Plan, current version.

Cross Reference

Document	Document Title
T-PFAS-WI21568	Environmental Monitoring in the PFAS Lab
T-PEST-WI9847	Common Equations Used During Chromatographic Analyses
QA-SOP11178	Demonstrations of Capability
QA-SOP11892	Determining Method Detection Limits and Limits of Quantitation
T-PFAS-WI23588	Preventative and Corrective Maintenance for the AB Sciex Liquid Chromatograph Mass Spectrometers (LC-MS/MS)
G-DC-FRM23907	Redacted SOPs
T-PFAS-FRM74731	D4033 - Moisture Calculation

Scope

This method is applicable for the determination of selected per- and polyfluorinated alkyl substances (PFAS) in solid samples to include solids and biosolids. The compounds analyzed in this method are

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listed in the table below. The most current MDLs and LOQs are listed in the LIMS. Compounds other than those listed may be analyzed by client request.

Analyte	Acronym	CAS#
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA	307-24-4
Perfluoroheptanoic acid	PFHpA	375-85-9
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorononanoic acid	PFNA	375-95-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluoroundecanoic acid	PFUnA	2058-94-8
Perfluorododecanoic acid	PFDoA	307-55-1
Perfluorotridecanoic acid	PFTrDA	72629-94-8
Perfluorotetradecanoic acid	PFTeDA	376-06-7
Perfluorobutanesulfonic acid	PFBS	375-73-5
Perfluoropentanesulfonic acid	PFPeS	2706-91-4
Perfluorohexanesulfonic acid	PFHxS	355-46-4
Perfluoroheptanesulfonic acid	PFHpS	375-92-8
Perfluorooctanesulfonic acid	PFOS	1763-23-1
Perfluorononanesulfonic acid	PFNS	68259-12-1
Perfluorodecanesulfonic acid	PFDS	335-77-3
Perfluorododecanesulfonic acid	PFDoS	79780-39-5
1H,1H,2H,2H-Perfluorohexane sulfonic acid	4:2 FTS	757124-72-4
1H,1H,2H,2H-Perfluorooctane sulfonic acid	6:2 FTS	27619-97-2
1H,1H,2H,2H-Perfluorodecane sulfonic acid	8:2 FTS	39108-34-4
Perfluorooctanesulfonamide	PFOSA	754-91-6
N-methylperfluorooctane sulfonamide	NMeFOSA, N-MePFOSA	31506-32-8
N-ethylperfluorooctane sulfonamide	NEtFOSA, N-EtPFOSA	4151-50-2
N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9
N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6
N-methylperfluorooctane sulfonamidoethanol	NMeFOSE, NMePFOSAE	24448-09-7
N-ethylperfluorooctane sulfonamidoethanol	NEtFOSE, NEtFOSAE	1691-99-2
Hexafluoropropylene Oxide Dimer Acid	HFPO-DA, GenX	13252-13-6
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4 *
Perfluoro-3-methoxypropanoic acid	PFMPA, PFECA F	377-73-1

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Analyte	Acronym	CAS#
Perfluoro-4-methoxybutanoic acid	PFMBA, PFECA A	863090-89-5
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA, PFECA B	151772-58-6
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	756426-58-1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9
3-Perfluoropropylpropanoic acid	3:3 FTCA	356-02-5
3-Perfluoropentylpropanoic acid	5:3 FTCA	914637-49-3
3-Perfluoroheptylpropanoic acid	7:3 FTCA	812-70-4
Perfluoro (2-ethoxyethane) sulfonic acid	PFEESA, PES	113507-82-7
Perfluoro-4-ethylcyclohexanesulfonic acid	PFECHS	133201-07-7
Perfluorobutylsulfonamide	FBSA	30334-69-1
Perfluorohexanesulfonamide	FHxSA	41997-13-1

*CAS# for the free acid form of the analyte

Basic Principles

A solid sample is fortified with isotopically-labeled extraction standards. The sample is sonicated, centrifuged, and the supernatant decanted. Carbon cleanup is performed on each sample extract. Sample extract is diluted to volume and then concentrated. The sample is then passed through a solid phase extraction (SPE) cartridge to extract the analytes. The compounds are eluted from the solid phase with a combination of solvents. The extract is fortified with Isotopically-labeled injection internal standards. It is then analyzed by LC/MS/MS operated in negative electrospray ionization (ESI) mode for detection and quantification of the analytes. Quantitative analysis is performed using isotope dilution.

Interferences

Compounds which have similar structures to the compounds of interest and similar molecular weights would potentially interfere. Method interferences may be caused by contaminants in solvents, reagents (including reagent water), sample bottles and caps, and other sample processing hardware that lead to discrete artifacts and/or elevated baselines in the chromatograms. The analytes in this method can also be found in many common laboratory supplies and equipment, such as PTFE (polytetrafluoroethylene) products, LC solvent lines, methanol, aluminum foil, etc. A laboratory blank is performed with each batch of samples to demonstrate that the extraction system is free of contaminants.

Precaution to Minimize Method Interference

1. LC system components contain many of the target analytes. To minimize the background PFAS peaks, PTFE solvent frits and tubing are replaced by PEEK™ solvent frits and tubing where possible.

2. A precolumn, Proprietary Content, is installed before the injection valve to separate PFAS in standards/samples from those from the LC system and mobile phases.

3. All parts of the SPE manifold must be cleaned as per *T-PFAS-WI21568*.

Safety Precautions and Waste Handling

See *Chemical Hygiene Plan* for general information regarding employee safety, waste management, and pollution prevention.

The toxicity or carcinogenicity of each reagent used in this method has not been precisely defined. PFOA has been described as "likely to be carcinogenic to humans". Each chemical should be treated as a potential health hazard and exposure to these chemicals should be minimized.

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Exposure to these chemicals must be reduced to the lowest possible level by whatever means available, such as fume hoods, lab coats, safety glasses, and gloves. Gloves, lab coats, and safety glasses should be worn when preparing standards and handling samples. Avoid inhaling solvents and chemicals and getting them on the skin. Wear gloves when handling neat materials. When working with acids and bases, take care not to come in contact and to wipe any spills. Always add acid to water when preparing reagents containing concentrated acids.

All laboratory waste is accumulated, managed, and disposed of in accordance with all Federal, State, and local laws and regulations. All solvent waste and extracts are collected in approved solvent waste containers in the laboratory and subsequently emptied by personnel trained in hazardous waste disposal into the lab-wide disposal facility. HPLC vials are disposed of in the lab container for waste vials, and subsequently lab packed. Any solid waste material (disposable pipettes and broken glassware, etc.) may be disposed of in the normal solid waste collection containers.

Personnel Training and Qualifications

All personnel performing this procedure must have documentation of reading, understanding, and agreeing to follow the current version of this SOP and an annual documented Demonstration of Capability (DOC).

Each chemist performing the extraction must work with an experienced employee for a period of time until they can independently perform the extraction. Also, several batches of sample extractions must be performed under the direct observation of another experienced chemist to assure the trainee is capable of independent preparation. Proficiency is measured through a documented Initial Demonstration of Capability (IDOC).

Each LC/MS/MS analyst must work with an experienced employee for a period of time until they can independently calibrate the LC/MS/MS, review and process data, and perform maintenance procedures. Proficiency is measured through a documented Initial Demonstration of Capability (IDOC).

The IPR (IDOC) and the DOC consist of 4 laboratory control samples (or alternatively, one blind sample for the DOC) that are spiked at the LCS level and carried through all steps of the extraction and analysis. Using results of the set of four analyses, compute the average percent recovery and the relative standard deviation (RSD) of the concentration for each analyte.

- For each target, the RSD and percent recovery must meet the criteria in Table 7. If any individual RSD exceeds the precision limit or any individual percent recovery falls outside the range for recovery for a target, system performance is unacceptable for that compound. Correct the problem and repeat the test.

- For each EIS and NIS, the percent recovery must meet the criteria defined in Table 8. There are is no RSD criteria for the EIS or NIS. If any individual percent recovery falls outside the range for an EIS or NIS, system performance is unacceptable for that compound. Correct the problem and repeat the test.

See *QA-SOP11178* for additional information on IDOC and DOC.

Sample Collection, Preservation, and Handling

A. Sample Collection

The samples are collected in 4-oz HDPE specimen containers with polyethylene screw caps. Keep the sample sealed from time of collection until extraction.

NOTE: PFAS contamination during sampling can occur from a number of common sources, such as food packaging and certain foods and beverages. Proper hand washing and wearing nitrile gloves will aid in minimizing this type of accidental contamination of the samples.

B. Sample Storage and Shipment

1. Solid and Biosolid samples must be chilled during shipment and must not exceed 6°C during the first 48 hours after collection. Sample temperature must be confirmed to be at 0° to 6°C when the samples are received at the laboratory.

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2. Solid and Biosolid samples stored in the lab must be protected from light and held at a temperature of 0° to 6°C, or less than or equal to -20°C, until extraction.

3. Solid and Biosolid samples must be extracted within 90 days.

NOTE: Biosolid samples stored under refrigeration may produce gases that may cause sample to be expelled from the container when opened. This may produce noxious odors. It is recommended to store frozen if extraction will not occur for a few days.

4. Extracts must be analyzed within 28 days after extraction when stored at a temperature of 0° to 6°C, not frozen, and protected from light. Extracts must be analyzed within 90 days after extraction when stored at a temperature less than or equal to -20°C and protected from light.

Apparatus and Equipment

A. Apparatus

1. Specimen container; PP; natural; graduated; non-sterile; separate 1/4-turn red screwcap; 4 oz. Greenwood Products, Inc., Part No. HP30011 or equivalent

Note: One bottle per lot must be tested and demonstrated to be PFAS-free at or below the laboratory's MDLs for all target analytes. See *T-PFAS-WI21568* for additional details.

2. Centrifuge tubes, 15-mL conical polypropylene with polypropylene screw caps. Fisher Scientific, Catalog No. 05-539-5 or equivalent.

3. HDPE bottles for extraction fluid storage, 1L. Environmental Sampling Supply, Catalog No. 1000-1902-PC or equivalent.

4. Analytical Balance – Capable of weighing to 0.0001 g

5. Top-Loading Balance – Capable of weighing to 0.01 g

6. Solid phase extraction (SPE) Cartridge; Proprietary Content or equivalent.

7. GCB filter cartridge, Proprietary Content or equivalent.

8. Large-volume SPE Reservoir, 25-mL. Millipore-Sigma, Product No. 54258-U or equivalent.

9. SPE Tube Adapter. Millipore-Sigma, Catalog No. 57020-U or equivalent.

10. SPE vacuum extraction manifold – "Resprep" 24-port manifold. Restek, Catalog No. 26080 or equivalent.

11. Polypropylene SPE delivery needles. Agilent, Catalog No. 12234511 or equivalent.

12. Centrifuge, capable of a minimum rotational force of 3500 rcf, rotor radius 19.5 cm. Sorvall ST4 Plus-MD; Fisher Scientific, Catalog No. 75009510 or equivalent.

13. Auto Pipettes, Eppendorf Repeater, capable of accurately dispensing 10- to 1000-µL. Fisher Scientific, Catalog No. 14-287-150 or equivalent.

14. Polypropylene pipette tips, 0.1-200 µL. Fisher Scientific, Catalog No. 02-681-135 or equivalent.

15. Polypropylene pipette tips, 101-1000 µL. Fisher Scientific, Catalog No. 02-707-507 or equivalent.

16. Polypropylene pipette tips, 1 – 10 mL. Eppendorf, Catalog No. 022492098 or equivalent.

17. Pipettes, disposable transfer. Fisher Scientific, Catalog No. 13-711-7M or equivalent.

18. Vortex mixer, variable speed, Fisher Scientific or equivalent.

19. N-Evap sample extract concentrator with N_2 supply and water bath for temperature control. Organomation, Inc., Catalog No. 11250, or equivalent.

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20. Reagent Water Purification System: Capable of producing ultrapure "Type 1/Milli-Q"-grade water from in-house deionized water system. Millipore SAS, Catalog No. FTPF08831.

21. SureStart Polyspring inserts. Fisher Scientific, Catalog No. 03452340 or equivalent.

22. Short-Cap Vial with Grad Marking Spot, 9-425 Screw-Thread, 2.0 mL, 9 mm, Clear. Restek, Catalog No. 21141 or equivalent.

23. Short Screw Caps, Polypropylene, Screw-Thread, PTFE/Silicone Septa, Blue, Preassembled, 2.0 mL, 9 mm. Restek, Catalog No. 24485 or equivalent.

24. Centrifuge tubes, 50-mL conical polypropylene with polypropylene screw caps. Fisher Scientific, Catalog No. 06-443-21 or equivalent.

25. Polypropylene bottles for standard storage, 4 mL. Fisher Scientific, Catalog No. 2006-9125 or equivalent.

26. Stainless steel spatula/scoop set. Bel-Art SP Scienceware, Product No. 11-865-130 or equivalent.

27. pH paper, Hydrion, range 5.5-8.0. Fisher Scientific, Catalog No. 14-853-275 or equivalent.

28. Syringe filter, 25 mm Syringe Filter, 0.22 um, 100-pk. Restek, Catalog No. 26148 or equivalent.

29. Sonicator bath - Branson 3800 or equivalent.

30. Wooden Tongue Depressors. Fisher Scientific, Catalog No. 11-700-555 or equivalent.

31. Mobile phase bottles, 5 L. Fisher Scientific, Catalog No. 064141F or equivalent.

B. Equipment

1. AB Sciex Triple Quad 5500/5500+ Turbo V Ion Source or equivalent.

   ExionLC Controller
   ExionLC AC Pump
   ExionLC AC Autosampler
   Exion AC Column Oven
   Data system – Analyst 1.6.3

2. AB Sciex Triple Quad 7500 QTRAP Ready or equivalent.

   Shimadzu DGU-405 Degasser
   Shimadzu LC-40D XR Pump A
   Shimadzu LC-40D XR Pump B
   Shimadzu SIL-40C XR Autosampler
   Shimadzu CBM-40 Controller
   Shimadzu CTO-40C Column Oven
   Data system – Sciex OS (Version 3.1.6.44)

3. Automated extractor, Proprietary Content or equivalent

4. HPLC columns

   a. Analytical column: Proprietary Content or equivalent.
   b. Pre-column: Proprietary Content or equivalent.

Reagents and Standards

All solvents, acids, and bases are stored in glass bottles in flammable proof cabinets or pressure resistant steel drums. Solvents, acids, and bases are stored at ambient temperature for up to 1 year. All non-solvents are stored according to manufacturer's storage conditions.

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A. Reagents

1. Methanol (MeOH), "Chromasolv LC-MS" grade. Honeywell, Catalog No. 34966-4X4L or equivalent.
2. Acetonitrile (ACN). J.T. Baker, Catalog No. 9012-03 or equivalent.
3. Ammonium acetate. Sigma Aldrich, Catalog No. 431311-250G or equivalent. Store at 0-6°C.
4. Proprietary Content or equivalent. Store at room temperature.
    a. Proprietary Content Store at room temperature. Replace after 3 months.
    b. Proprietary Content Store at room temperature. Replace after 1 month.
    c. Proprietary Content. Store at room temperature. Replace after 1 month.
5. 30:70 (v/v) Methanol:Water – Add methanol (300 mL) to water (700 mL). Store at room temperature. Replace after 1 month.
6. Methanol with 5% water - Add reagent water (50 mL) to methanol (950 mL). Store at room temperature. Replace after 1 month.
7. Acetic Acid, ACS grade. Sigma Aldrich, Catalog No. 695092-100mL or equivalent. Store at room temperature.
    a. Acetic Acid (0.1% v/v) – Dissolve acetic acid (1 mL) in reagent water (1 L). Store at room temperature. Replace after 3 months.
8. Formic Acid, ACS-grade. Sigma, Catalog No. 33015-1L or equivalent.
    a. Formic acid (aqueous, 0.1 M) - Dissolve formic acid (4.6 g or 3.8 mL) in reagent water (1 L). Store at room temperature. Replace after 2 years
    b. Formic acid (aqueous, 0.3 M) - Dissolve formic acid (13.8 g or 11.3 mL) in reagent water (1 L). Store at room temperature. Replace after 2 years
    c. Formic acid (aqueous, 5% v/v) - Mix 5 mL formic acid with 95 mL reagent water. store at room temperature. Replace after 2 years
    d. Formic acid (aqueous, 50% v/v) - Mix 50 mL formic acid with 50 mL reagent water. Store at room temperature. Replace after 2 years.
9. Proprietary Content or equivalent. Store at room temperature. Replace 1 year after opening.
    a. Proprietary Content. Store at room temperature. Expires 1 month after preparation.
10. Sand - Sigma-Aldrich, Part No. 274739-5Kg or equivalent.
11. Mobile Phase A: Proprietary Content. Store at room temperature for up to 2 months. Different volumes can be prepared as long as final concentrations are equivalent.
12. Mobile Phase B: 100% acetonitrile into a 2-L glass mobile phase bottle. Store at room temperature for up to 2 months.

B. Standards

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Standards are prepared using calibrated pipettes, polypropylene microcentrifuge tubes, and polypropylene bottles to create solutions at desired concentrations. The concentrated solution is injected below the surface of the diluting solvent. After preparation is completed, standards should be vortexed to ensure complete mixing. Measurement of volumes less than 5 µl should be avoided in routine production operations.

All stock, intermediate and spiking solutions are prepared using methanol. All initial calibration, initial calibration verification, and linear branched working standard solutions are prepared using Proprietary Content.

All diluted solutions must be stored in HDPE containers that have been thoroughly rinsed with methanol.

Stock standard and intermediate standard solutions are stored in the dark in the refrigerator in labeled polypropylene screw-top vials, polypropylene bottles, or polypropylene centrifuge tubes.

Expiration dates are managed through LIMS Reagent module. Solutions transferred from sealed glass ampules to screw-capped vials are given expiration dates of 1 year from the date opened or the expiration date provided by the vendor, whichever occurs sooner. Intermediate solutions are given an expiration date of 6 months from the preparation date, or the expiration date from the ampule provided by the vendor, whichever occurs sooner. The ampules and transferred solutions are stored in the refrigerator in the dark.

Working native and labeled (extraction surrogate and internal standard) compound spiking solutions are given an expiration date of 6 months, or the expiration date of the solutions used to prepare the working solution, whichever occurs sooner. The solutions are stored in labeled polypropylene screw-top vials in the refrigerator in the dark. When these solutions are prepared they must be tested prior to use in the PFAS extraction lab and verified monthly until they are consumed by operations or expire. Records of the standard verification are maintained by the laboratory. Prior to use, the working spiking solution should be evaluated against recovery windows of 85-115% for all compounds that will be analyzed using that solution. Should a standard fail to meet these criteria, the data must be reviewed by departmental management for acceptability and/or corrective action.

Working initial calibration solutions are given an expiration date of 6 months, or the expiration date of the solutions used to prepare the working initial calibration solution, whichever occurs sooner.

The primary/preferred standard vendor is Wellington Laboratories, Inc. Ontario, Canada. Listed catalog numbers are taken from Wellington product lists. Equivalent standards may be substituted, if the listed standards are unavailable.

The solution concentration listed is as presented on the certificate of analysis and includes adjustment for purity and the salt form of the compound used.

The concentrations referenced for the sulfonate salts, (for example PFBS, PFHxS and PFOS) have already been corrected to the acid form by the standards supplier as noted in the example Certificate of analysis (CofA). See Attachment 4. If the compound purity is assayed to be 98% or greater, weight can be used without correction to calculate concentrations.

Log purchased standards into LIMS Reagent. Select the solution category SOURCE for purchased mixes and/or single-compound ampules. LIMS Reagent system will assign formatted names to the purchased standard solutions. The automatically-generated name can be overwritten with a manually created name if desired. Use labels printed through the LIMS Reagent to identify and track standard solutions after transfer from original ampule to storage vial. The CofA for the ampulated stock standard is attached in LIMS Reagent for reference.

Standards are prepared by transferring a known quantity of Standard to a final volume of solvent. Standard Preparation is documented in LIMS Reagent. Solutions are stored by Type in LIMS Reagent, i.e., INTERMEDIATE=working solutions and intermediate standards and SOURCE=stocks (ampulated solutions). Each Standard is given a unique name.

The following attachments provide examples of standard preparation and purchasing information. Refer to the documentation in LIMS Reagent for standards preparation information.

Attachment 05 - 1633 Native PFAS Intermediate A
Attachment 06 - 1633 Native PFAS Intermediate B
Attachment 07 - 1633 Native PFAS CAL8 Intermediate
Attachment 08 - 1633 Extracted Internal Standard Intermediate

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Attachment 09 - 1633 Non-Extracted Internal Standard Intermediate
Attachment 10 - 1633 TOP Surrogate Intermediate
Attachment 11 - 1633 ICAL Standard Preparation Scheme
Attachment 12 - 1633 Initial Calibration Standard Concentrations
Attachment 13 - Bile Salts Stock Solution
Attachment 14 - Bile Salts Intermediate
Attachment 15 - Bile Salts Working Solution
Attachment 16 - 1633 WDM Standard
Attachment 17 - 1633 Native Mid-Level Spike
Attachment 18 - 1633 Native Low-Level Spike
Attachment 19 - 1633 ICV Working Standard
Attachment 20 - 1633 Purchased/Ampulated Standards

Calibration

A. Mass Calibration

Frequency	Acceptance Criteria	Corrective Action
Calibration - at least annually or as recommended by the instrument manufacturer, whichever is more frequent, to maintain instrument sensitivity and stability.	Per manufacturer recommendations. Optimize the precursor and product ions in *Attachment 01*	Repeat as needed.
Verification - on an as-needed basis (e.g., QC failures, ion masses fall outside of the required mass window, major instrument maintenance, or if the instrument is moved) prior to the analysis of any standards and samples and after each subsequent mass calibration.	Resolution must meet manufacturer recommendations. The mass assignments must be within ±0.2 amu of the values shown in *Attachment 01*.	Recalibrate as needed. Otherwise, proceed to ICAL.

B. Chromatographic conditions

The mass spectral acquisition rate must include a minimum of 10 spectra scans across each chromatographic peak. See the AB Sciex (5500/5500 Plus/7500) Acquisition, Quantitation, Gradient, and Detector Condition files for the most up to date chromatographic conditions. An example acquisition method and chromatographic conditions are shown in *Proprietary* . Modifications to these conditions can be made at the discretion of the analyst to improve resolution or the chromatographic process. All injections must use the same parameters as used in the ICAL.

C. Retention Time Calibration

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Frequency	Acceptance Criteria	Corrective Action
once per ICAL and at the beginning of the analytical sequence	EIS, and NIS peaks shall be set using the midpoint standard of the ICAL curve when ICAL is performed. When an ICAL is not performed, the initial CV retention times or the midpoint standard of the ICAL curve can be used to establish the RT window position. The RTs for the target analytes, EIS, and NIS compounds must fall within 0.4 minutes of the predicted retention times from the midpoint standard of the ICAL or initial CV, whichever was used to establish the RT window position for the analytical batch. All branched isomer peaks identified in either the calibration standard or the qualitative (technical grade) standard also must fall within 0.4 minutes of the predicted retention times from the midpoint standard of the ICAL or initial CV. For all target analytes with exact corresponding isotopically labeled analogs, target analytes must elute within 0.1 minutes of the associated EIS compound.	Recalibrate.

D. Initial Calibration

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Frequency	Acceptance Criteria	Corrective Action
Prior to the analysis of samples, and after the mass calibration verification has met all criteria whenever the laboratory takes an action that changes the chromatographic conditions or might change or affect the initial calibration criteria when either the CV or Instrument Sensitivity Check (ISC) acceptance criteria have not been met.	A minimum of six calibration standards are required when using an average or linear curve fit. A minimum of seven calibration standards are required for a second-order curve fit (quadratic). The lowest standard must be at or below the RL. In general, Cal1 (at the RL), Cal2, Cal3, Cal4, Cal5, Cal6, Cal7, and Cal8 are included in the initial calibration. S/N ratio for the lowest standard within the quantitation range must be greater than or equal to 3:1 for quantification ions and the confirmation ions, or greater than or equal to 10:1 if the analyte only has a quantification ion. To use Average Response Factor: • %RSD for the response factors is less than or equal to 20% • if greater than 20%, try a Linear Regression. To use Linear Regression with a concentration weighing factor of 1/x: • The %RSE for all method analytes must be less than or equal to 20%. • if greater than 20%, try a Quadratic fit. To use Quadratic fit with a concentration weighing factor of $1/x^2$: • The %RSE for all method analytes must be less than or equal to 20%. For all curve fits, each calibration point is calculated back against the curve. The back calculated concentration for each calibration point must be within ±30% of its true value.	If the criteria are not met, the source of the problem must be determined and corrected. Situations may exist where the initial calibration can be used. In those cases, the data will be reported with a qualifying comment.

E. Initial Calibration Verification (ICV)

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Frequency	Acceptance Criteria	Corrective Action
After ICAL prior to analyzing samples	ICV must be prepared from a second source. If a second source is not available, a separate preparation from the same stock (including intermediates) by a second analyst may be used. The calculated amount for each analyte must be within ±30% of the true value.	If this criteria is not met, re-inject or remake the standard. If the criteria is still not met, recalibration is necessary. Instrument maintenance may be needed prior to recalibrating.

F. Calibration Verification (CV)

Frequency	Acceptance Criteria	Corrective Action
Once the calibration curve has been established, the continuing accuracy must be verified by analysis of a continuing calibration verification (CCV) standard at the beginning of each analytical sequence, every ten injections of a field sample extract, and at the end of the analytical sequence.	The calculated amount for each native in the CCV standard must be within ±30% of the true value. The absolute areas of the injection internal standard must be greater than 30% of the average areas measured during the initial calibration.	Samples that are not bracketed by acceptable CCV analyses must be reanalyzed. The exception to this would be if the CCV recoveries are high, indicating increased sensitivity, and there are no positive detections in the associated samples, the data may be reported with a qualifying comment. The source of the problem must be determined and the system recalibrated before continuing sample analysis.

Procedure

Data Types are included in brackets. If a Data Type is not needed (for example, no reagents were needed for pH adjustment), "NA" may be used.

A) Solid Sample Preparation

NOTE: Prior to weighing out samples, thoroughly mix each sample using a separate wooden tongue depressor or stainless steel spoon to ensure a homogeneous sample matrix. Stir from the bottom to the top in a circular motion along the sides of the jar, breaking particles to less than 1 mm by pressing against the side of the container. Remove rocks, invertebrates, and foreign objects. Vegetation can either be removed or cut into smaller pieces based on project requirements.

1. On a calibrated, top-loading balance [*BalanceID*], accurately weigh:

    - 2.0 ± 0.10g for solids (dry weight; note: maximum 4.0g sample aliquot)
    - 0.5 ± 0.025g for biosolids (dry weight; note: maximum 1.0g sample aliquot)

    into a tared, labeled 50-mL centrifuge tube [*TubeLotID*] using a disposable polypropylene spatula [*SpatulaID*]. Record sample weight in the prep entry system to 2 decimal places [*InitialAmount*]. These weights are based on dry weights. Use T-PFAS-FRM74731 to calculate dry weight based on the percent moisture.

2. For each batch of no more than 20 field samples include the following quality control samples:

    a. Method Blank, LCS, LCSD, and LLCS: Weigh 2.0 ± 0.10g (0.5 ± 0.025g for biosolids) of sand [*BlankMtrxID, BlkMatLot, QCBottleLotID*] wetted with 1.0g (0.25g for biosolids) of reagent water. Record "2.00g" as the Initial Amount.

    b. Matrix Spike/Matrix Spike Duplicate (MS/MSD): Weigh 2.0g ± 0.10g (dry weight; note: maximum 2.5g sample aliquot) (0.5g for biosolids (dry weight; note: maximum 1g sample

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aliquot)) of sample as specified in sample preparation log. **Note**: if not enough sample to prepare an MS/MSD, an LCS/LCSD must be prepared instead.

3. Bring all spike solutions to room temperature and vortex for 30 seconds prior to use.

4. Spike QC and all samples with 25 µL of 1633_125 EIS (1633_125_SS_#####). Spike LCS/LCSD/MS/MSD with 50 µL of 1633_125 Native Spike Mid (1633_125_MS_M_#####). Spike LLCS with 40 µL of 1633_125 Native Spike Low (1633_125_MS_L_#####). Vortex/Shake containers to mix thoroughly. Let samples equilibrate for 30 minutes after spiking. Document the technician who spike the sample [*Analyst ID - Reagent Drop*] as well as the spike witness [*Analyst ID - Reagent Drop Witness*].

5. Cap and vortex for 30 seconds.

6. Allow samples/QC to equilibrate for at least 30 minutes.

7. Add 10 mL of Proprietary Content to each centrifuge tube.

8. Cap and vortex for 30 seconds.

9. Sonicate in an ultrasonic bath [*SonicatorID*] for 1 hour. Record start and stop times. [S*onicationStart* and *SonicationStop]* Ensure the bath is filled with water to the optimal water level mark inside the tank.

10. Centrifuge [*CentrifugeID*] at 3500 rcf for 5 minutes and transfer supernatant to a clean 50-mL centrifuge tube.

11. Add 4 mL of 0.4% (w/v) methanolic potassium hydroxide to the remaining solid sample in each centrifuge tube. Cap and vortex for 30 seconds.

12. Centrifuge at 3500 rcf for 5 minutes and decant the supernatant from the second extraction into the 50-mL centrifuge tube with the supernatant from the first extraction.

13. Centrifuge the combined extracts at 3500 rcf for 5 minutes and decant the supernatant from the 50-mL centrifuge tube to a clean 125-mL HDPE bottle.

14. Bring the 125-mL HDPE container up to 125 mL with Milli-Q water.

15. Check that the pH is 6.0 ± 0.5 and adjust as necessary with 50% formic acid or 30% ammonium hydroxide (or with 5% formic acid and 3% aqueous ammonium hydroxide). **NOTE: Never put pH test strips into the sample.** Record the acid or base lot number [*RgtID*] and amount used [*Amt*]. Use a disposable pipette [*TranferPipID*] to place a few drops of sample onto the pH paper [*pHIndID*].

16. Invert container to thoroughly mix.

17. Continue to either Manual SPE (Procedure B) or Automated SPE (Procedure C.)

B) Manual Sample Phase Extraction

1. Before use, rinse each port of the SPE manifold [*ManifoldID*] with several milliliters of the following solvents in order:

   Proprietary
   Proprietary
   Proprietary
   Proprietary

2. Label each SPE cartridge [*SPECartType*] and *SPECartLot#*] to correspond with each associated sample/QC piece and attach to a rinsed SPE port. Record the SPE port number for each sample/QC piece on the batchlog.

3. Condition each SPE cartridge with the following reagents in the following order:

   a. Proprietary Content
   b. Proprietary Content
   c. Proprietary Content

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d. Proprietary Content

4. Label each sample bottle, cap, 15-mL centrifuge tube, and reservoir with the same number to ensure samples are not inadvertently switched during the extraction procedure (i.e.; 1,1,1; 2,2,2; 3,3,3; etc.).

5. Attach the labeled 25-mL SPE reservoir [*SPEResID*] to each cartridge. Load the QC and samples to their respective cartridges. Allow full volume to pass through each cartridge by gravity, if possible. Allow sample to pass through. The drip rate should be approximately 3-5 drops per second.

6. After sample/QC has passed through, rinse the walls of the sample/QC bottle with 5 mL reagent water. Add to cartridge and allow to pass through using vacuum. Then repeat.

7. After Milli-Q water has passed through, rinse the walls of the sample/QC bottle with 5 mL 30:70 (v/v) methanol:water [*RinseSolventName* and *RinseSolventLot*]. Add to cartridge and allow to pass through using vacuum. Then repeat.

8. Apply full vacuum to dry the cartridges until they are visually similar to an unused cartridge. This may take up to 10 minutes for some cartridges.

9. Discard the waste and rinse the waste reservoir with isopropyl alcohol. Wipe each needle with a Kim-wipe/methanol.

10. Attach Proprietary Content to the bottom of each SPE cartridge.

11. Place labeled 15-mL polypropylene centrifuge collection tubes [*CentrifugeTube*] under each respective SPE cartridge.

12. Rinse the inside of each empty sample/QC bottle with 5 mL of Proprietary Content. Add to reservoir and cartridge.

13. Apply a slight vacuum to the manifold in order to reclaim as much solvent as possible from the SPE cartridges.

14. Disconnect the cartridge/adapter from the manifold. Remove the collection tubes.

15. Bring each sample extract to final volume 5 mL using methanol with Proprietary Content. Cap and vortex for 30 seconds to mix.

16. Proceed to Procedure D - Vialing and Addition of Internal Standard

C) Automated Solid Phase Extraction (SPE) by Proprietary

This procedure can be used in place of the manual extraction described above.

1. Label each SPE cartridge [*SPECartType* and *SPECartLot#*] to correspond with each associated sample/QC piece and attach to a rinsed SPE port. Record the SPE port number for each sample/QC piece on the batchlog.

2. Check to make sure all reagent bottles are filled and that reagents are not expired. Record Proprietary Content ID and reagent lot numbers. [*ManifoldID*, *SPE_Cond#1ID*, *SPE_Cond#2ID*, *RinseSolventName*, *RinseSolventLot*, *SolventName*, and *SolventLot*]

3. Label each sample bottle, cap, and Proprietary Content cartridge with the same number to ensure samples are not inadvertently switched during the extraction procedure (i.e.; 1,1,1; 2,2,2; 3,3,3; etc.).

4. Select "Proprietary Content" from the drop down menu to start the cleaning cycle prior to SPE. Make sure the "Clean" cartridges and bottles are attached for this cycle.

5. Remove "Clean" cartridges and attach the labeled cartridges that will be used when running the samples. Disconnect the "Clean" bottles. Attach the sample bottle by twisting the bottle and not the cap. Place sample bottle upside down in corresponding numbered location on shaker. Attach a filter [*FilterEXPID*] to each cap. Poke two holes into the lip of each bottle. Load labeled centrifuge tubes [*CentrifugeTube*] in the moving tray beneath the cartridges.

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6. Select “Proprietary Content” from the drop down menu and press the green check mark to start the procedure. The Proprietary Content program is described in *Proprietary* .

7. When the cycle pauses after cartridge drying, attach Proprietary Content to the bottom of each SPE cartridge and uncapped tubes in the moving tray.

8. Once the cycle is complete, remove centrifuge tubes and discard the used cartridges and bottles. Reattach “Clean” bottles and cartridges, select "Proprietary Content" from menu, select “start”. This must be done between each batch and at the beginning and the end of the day. At the end of the day, run the "Proprietary Content" clean cycle.

9. The batch QC must be rotated among the Proprietary Content ports so that all the ports are covered over the course of a quarter. Use form T-PFAS-FRM80101 for tracking.

10. Bring each sample extract to final volume 5 mL using Proprietary Content. Cap and vortex for 30 seconds to mix.

11. Proceed to Procedure D - Vialing and Addition of Internal Standard

D) Vialing and Addition of Internal standard

Note: The instrument lab chemist performs these steps.

1. Determine the sample aliquot to use for analysis. Add Internal Standard Spike Solution (1633_125_IS_V_#####) to the corresponding labeled autosampler vial [*VialLot#*].

    - 10 µL IS into a 190 µL aliquot of sample (final volume = 200 µL)
    - 25 µL IS into a 475 µL aliquot of sample (final volume = 500 µL)
    - 50 µL IS into a 950 µL aliquot of sample (final volume = 1000 µL)

2. Transfer an aliquot of the final extract (as determined in Step 1 above) to the corresponding labeled auto-sampler vial.

3. Cap the auto-sampler vial [*Caps*] and vortex for 30 seconds. Samples are now ready for analysis.

4. Cap the centrifuge tube. The remaining centrifuged extracts are stored in the refrigerator for dilution or reinjection if needed.

E) LC/MS/MS Analysis

1. Load sample vials containing calibration standards, quality control samples, and sample extracts into the autosampler tray. Allow the instrument adequate time to equilibrate to ensure the mass spec and LC have reached operating conditions (approximately 5 minutes) before the first injection. Analyze several solvent blanks to clean the instrument prior to sample acquisition.

2. Bring standards to room temperature and vortex before calibrating. To eliminate the need for a qualitative identification standard, the calibration standards contain the branched isomers for PFHxS, PFOS, NMeFOSAA, NEtFOSAA, PFNA, PFOA, PFOSA, NEtFOSE, NMeFOSE, NEtFOSA, and NMeFOSA. Mass Transitions are defined in *Attachment 01*.

Example Initial Calibration Sequence (LIMS ID) (Example instrument method is in *Attachment 03*.):

Instrument Blank to clean instrument (at least 3)

1. CAL 1 (IC)
2. CAL 2 (IC)
3. CAL 3 (IC)
4. CAL 4 (IC)
5. CAL 5 (ICISAV)
6. CAL 6 (IC)
7. CAL 7 (IC)
8. CAL 8 (IC)
9. Instrument Blank (ICB)
10. Initial Calibration Verification (ICV)
11. Bile Salts Standard (WDM)

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3. Isotopically-labeled compounds are not available for some compounds. See below for compounds without labeled isotopes and their referenced extraction standards. See *Attachment 02* shows the full list of analytes and their EIS and NIS.

Note: For better accuracy, PFTrDA is quantitated using the average of the areas of labeled compounds 13C2-PFTeDA and 13C2-PFDoA.

Native	Extracted Internal Standard
3:3FTCA	13C5-PFPeA
PFMPA	
PFMBA	
NFDHA	13C5-PFHxA
5:3FTCA	
7:3FTCA	
PFEESA	
DONA	13C3-HFPO-DA
9Cl-PF3ONS	
11Cl-PF3OUdS	
PFTrDA	Avg 13C2-PFTeDA and 13C2-PFDoA
PFHpS	13C8-PFOS
PFNS	
PFDS	
PFDoS	
PFPeS	13C3-PFHxS
TFSI	
FHxSA	
PFECHS	
PFODA	13C2-PFTeDA
FBSA	13C3-PFBS

Example Sample Sequence (LIMS ID):

Instrument Blanks to clean instrument if needed (at least 3)
1. Instrument Sensitivity Check at CAL1 (CCVO)
2. Calibration Verification at CAL4 (CCV)
3. Instrument Blank (CCB)
4. Bile Salts marker (WDM)
5. Method Blank (MB)
6. On-going Precision and Recovery (LCS)
7. Low-level OPR (LLCS)
8. On-going Precision and Recovery Duplicate (LCSD)
9. Samples (10 or less)
10. Calibration Verification at CAL4 (CCV)
11. Instrument Blank (CCB)

4. Instrument Blank (ICB, CCB) - Instrument Blanks need to be analyzed immediately following the highest standard analyzed and daily at the start of a sequence. The concentration of all analytes

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must be less than the MDL. If acceptance criteria are not met, the calibration must be performed using a lower concentration standard for the high standard until the criteria are met.

5. Instrument Sensitivity Check (CCVO) - Prior to sample analysis, an Instrument Sensitivity Check (ISC) must be performed. The ISC standard concentration must be at the LOQ. The CAL1 standard's concentration is at the LOQ, so the CAL1 standard will be analyzed. All analyte concentrations must be within ±30% of their true values. The signal-to-noise ratio must be greater than or equal to 3:1 for the quantitation ions and confirmation ions, and 10:1 for quantitation ions that have no confirmation ion. If the criteria are not met, correct problem and rerun ISC. If a target analyte (or EIS) reads back high with no detection (or in-spec recoveries) in the samples, data may be reported. If problem persists, repeat the ICAL. No samples can be analyzed until the ISC meets acceptance criteria.

6. Bile Salt Interference Check (WDM) - Analyze a Window-Defining Matrix (WDM) standard containing 100 ppb of Taurodeoxycholic Acid (TDCA), Taurochenodeoxycholic Acid (TCDCA), and Tauroursodeoxycholic Acid (TUDCA). The laboratory must establish chromatographic conditions to ensure the bile salt (TDCA) does not cause interference during the analysis of samples. To demonstrate successful separation the retention time of TDCA must be at least 1 minute outside the retention time window of PFOS. This is demonstrated as a comparison of the RT of TDCA (measured at the apex of the TCDA peak) separated by at least 1.4 minutes from the RT of the linear isomer of PFOS (measured at the apex of the peak of the linear isomer of PFOS). If the mobile phase does not contain acetonitrile, this check must include all three bile salts (TDCA, TCDCA, and TUDCA). If adequate separation is not achieved, adjust the chromatographic conditions and reevaluate the separation of TDCA from PFOS.

7. After injections are completed, check all CCV recoveries and absolute areas to make sure they are within method control limits. See Calibration F for acceptance criteria. Process each chromatogram and closely evaluate all integrations, baseline anomalies, and retention time differences. If manual integrations are performed, they must be documented and a reason given for the change in integrations. The manual integrations are documented during data processing and all original integrations are reported at the end of the sample PDF file with the reason for manual integration clearly listed.

8. Quantitate results for the Method Blank (MB). Calculate the recoveries of spiked analytes for the LCS and its duplicate (LCSD, if needed), Low-Level LCS, Matrix Spike and Matrix Spike Duplicate (MS/MSD) by comparing concentrations observed to the true values. Calculate the relative percent difference (RPD) between the duplicates.

9. Isotopically-labeled Extraction Standards (EIS) are added to all samples, MB, LLCS, LCS/LCSD, and MS/MSD prior to extraction. Isotopically-labeled Injection Standards (NIS) are added to each QC and field sample extract prior to analysis. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to EIS recoveries being outside of the acceptance limits as long as the signal-to-noise ratio is greater than 10:1.

10. To identify a target or EIS:

    a. Peak responses of quantitation and confirmation ions must have S/N of at least 3:1. If there is no confirmation ion, the quantitation ion must have S/N of at least 10:1. If the S/N ratio is not met, the analyte is considered to be ND.

    b. The retention times should not vary by more than 0.4 minutes from the expected retention time from the midpoint of the ICAL or initial CV. Furthermore, native compounds with an exact isotopically-labeled analogue must elute within 0.1 minutes from their associated analog. If the retention time is outside of the criteria, the compound is considered a false positive unless it is a compound with branched isomers. Compounds with branched isomers can vary in intensity of the individual isomers that are used for reporting and must be reviewed and compared to the preceding CCV to determine if it should be reported.

    c. For concentrations at or above the LOQ, the Ion Abundance Ratio (IAR) must fall within ±50% of the IAR observed in the mid-point initial calibration standard. The total response of all isomers (branched and linear) in the quantitative standards must be used to define the IAR. In samples, the total response should include only the branched isomer peaks that have been identified in either the quantitative or qualitative standard.

11. Two ion transitions and the ion transition ratio per analyte shall be monitored and documented with the exception of PFBA, PFECA F (PFMPA), PFECA A (PFMBA), NMeFOSE, NEtFOSE, FBSA, and FHxSA. The expected ion ratio for each compound is calculated by using the average of ion ratios

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of each compound from initial calibration standards. When an ion ratio for a compound differs from the expected ion ratio by more than 50%, see QA/QC section for Corrective Action.

F) Dilution

When the area of the primary transition of a target analyte is above the area of the highest calibration point a sample dilution is required. Dilute the extract as follows:

1. Remove extracts from storage and allow to come to room temperature for approximately 60-90 minutes.
2. Vortex the extract for one minute.
3. Using a pipette or syringe, remove an aliquot of the extract, this extract should target a dilution equivalent to the mid-level concentration of the calibration curve to avoid over diluting the extract.
4. Dilute the aliquot to volume using Proprietary Content.
5. Fortify with additional NIS to achieve the same concentration of NIS in the original extract.
6. Vortex an aliquot for analysis.

If the S/N of EIS associated with the analyte requiring dilution in the extract meets the S/N requirement for EIS and the recovery of the associated EIS meet the method criteria, the results from the dilution can be reported. If these criteria are not met and additional sample is available, a smaller volume/mass of sample should be extracted.

Calculations

1. Peak Area Ratio

$$\text{Peak Area Ratio} = \frac{\text{Analyte Response}}{\text{Labeled Analyte Response}}$$

2. On-Column Analyte Concentration using average RRF

On-column Concentration = peak area ratio ÷ AVE RRF

3. On-Column Analyte Concentration using linear curve

On-column Concentration = (peak area ratio - intercept) ÷ slope

4. Sample Concentration

Sample concentration (ng/g) = (On-column concentration x Final Sample Volume x DF) ÷ Initial Sample Volume

5. Ion Abundance Ratio (IAR)

ion abundance ratio = (peak area or height of quantifier)/(peak area or height of qualifier)

6. See *T-PEST-WI9847* for additional calculations used to evaluate the calibrations and quality control samples.

Statistical Information/Method Performance

Historical data for LCS/Ds, LLCSs, MS/Ds, and EIS is reviewed at least annually. However, all samples are reported using the limits in EPA 1633 Tables 7 and 8. When target analytes not on these tables are requested, statistical limits are used for LCS/MS. (Preliminary limits of 70-130% Recovery and <20%

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RPD can be used until enough data points are generated.) Reporting limits including method detection limits (MDLs) and limits of quantitation (LOQs) are set according to EPA method requirements and are evaluated annually. Refer to *QA-SOP11892* for specific guidelines and procedures. Updates to the LIMS are made as needed by the QA Department and only as directed by the supervisor.

As MDL studies are run on clean laboratory matrices, statistically derived MDL values could be artificially lower than achievable limits in real world samples. Nominal MDL values, set at no lower than 1/4 the calculated and verified Reporting Limit (or Limit of Quantitation) will be used as a method to avoid artificially low bias in MDL studies.

Quality Assurance/Quality Control

For each batch of samples extracted, a method blank, an LCS, and an LLCS must be extracted and analyzed. An MS/MSD are extracted only if requested and submitted by the client. If no MS/MSD is provided, an LCS/LCSD must be extracted and analyzed instead. A batch is defined as the samples to be extracted on any given day, but not to exceed 20 field samples. If more than 20 samples are prepared in a day, an additional batch must be prepared. If any client, state, or agency has more stringent QC or batching requirements, these must be followed.

QC Item	Frequency	Acceptance Criteria	Corrective Action
Method Blank (MB)	One per extraction batch of no more than 20 field samples	No target analytes greater than RL, or greater than 1/10 the amount measured in any sample, or 1/10 the regulatory limit (whichever is greater).	Verify instrument clean (evaluate calibration blank & samples prior to method blank), then reanalyze. Evaluate to determine if systematic issue within laboratory, correct, then re-prepare and reanalyze the method blank and all samples processed with the contaminated blank.
Low-Level On-going Precision and Recovery (LLCS)	One per extraction batch of no more than 20 field samples	Acceptance criteria defined in *Attachment 22* (Tables 7 and 8 of Method 1633)	Reanalyze LLCS once. If acceptable, report. Evaluate samples for detections, and LLCS for high bias. If LLCS has high bias, and samples non-detect, report and narrate. If LLCS has low bias, or if there are detections for critical chemicals of concern, evaluate and reprep and reanalyze the LLCS and all samples in the associated prep batch for failed analytes, if sufficient sample material is available.
On-going Precision and Recovery and its Duplicate (LCS)	One per extraction batch of no more than 20 field samples	Acceptance criteria defined in *Attachment 22* (Tables 7 and 8 of Method 1633)	Reanalyze LCS once. If acceptable, report. Evaluate samples for detections, and LCS for high bias. If LCS has high bias, and samples non-detect, report and narrate. If LCS has low bias, or if there are detections for critical chemicals of concern, evaluate and re-prep and reanalyze the LCS and all samples in the associated prep batch for failed analytes, if sufficient sample material is available.

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QC Item	Frequency	Acceptance Criteria	Corrective Action
Matrix Spike/Matrix Spike Duplicate (MS/MSD)	*at client request*, one per extraction batch of no more than 20 field samples	Acceptance criteria defined in *Attachment 22* (Tables 7 and 8 of Method 1633) RPD less than 30%	If outside the acceptance windows, consult a supervisor to determine the appropriate course of action based on batch and sample results.
Extracted Internal Standards (EIS) or Isotope Dilution Analyte (IDA), added prior to extraction	per sample (including MB, LCS, LCSD, LLCS, MS, MSD) during preparation	Acceptance criteria defined in *Attachment 22* (Table 8 of Method 1633)	1. If EIS outside windows, check for errors and correct. Re-analyze sample, if needed. 2. If EIS out high and samples are non-detect, report and narrate. If EIS out high with detections, but EIS <200% (FTS <350%), report and narrate. If EIS out high with detections and EIS >200% (FTS >350%), dilute 10X, re-analyze, report, and narrate. 3. If EIS low but > 5% and S/N > 10:1, narrate and report. If EIS <5% then contact client to re-extract at smaller aliquot.
Non-extracted Internal Standards (NIS) added following extraction and prior to analysis	per sample (including MB, LCS, LCSD, LLCS, MS, MSD) during preparation	NIS areas 50-200% of the mean area of the most recent ICAL in undiluted sample extracts and sample extracts that require NIS to be added.	If fails high, check for errors and report. If fails low, re-analyze fresh aliquot of sample. If in control, report. If the failure confirms report the initial analysis and narrate.
Ion Abundance Ratio (IAR)	Each detected analyte (except PFBA, PFPeA, NMeFOSE, NEtFOSE, PFMPA, PFMBA, FBSA, FHxSA)	Acceptance window of 50-150% of the ratio in the mid-point CCV standard.	Check for error, if none found report as outlined below. 1. If outside limits and value is less than the RL, report as ND at RL. 2. If outside limits, but within 2X rule* flag, report and narrate. 3. If ratio outside 2X rule* then report as ND at elevated RL, apply G flag and narrate. 4. If ratio out due to branched isomer contribution, report as positive with narration. 5. If outside limits (and RT window) due to matrix, report as ND at elevated RL, apply G flag and narrate.
E-flagged data	NA	NA	Dilute sample extract. If still E-flagged after dilution, consult the client for course of action.

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*2X Rule: If the ion ratio <0.5X the lower control limit or >2X the upper control limit, then do not report the analyte. It should be either Non-Detect at the RL or elevate the RL as needed (G flag). As an example if the target ion ratio is 4.00. The Chrom-determined limits are 2.00-6.00. If the ratio is <1.00 (2.00 X 0.5) or >12.00 (6.00 X 2) follow the specifications above.

Attachment:
Attachment 01 - Mass Transitions (.pdf)
Attachment 02 - Standard Relationships (.pdf)
Attachment 03 – Proprietary Content
Attachment 04 - Example CoA (.pdf)
Attachment 05 - Native PFAS Intermediate A (.pdf)
Attachment 06 - Native PFAS Intermediate B (.pdf)
Attachment 07 - Native PFAS CAL8 Intermediate (.pdf)
Attachment 08 - 1633 EIS Intermediate (.pdf)
Attachment 09 - 1633 NIS Intermediate (.pdf)
Attachment 10 - 1633 TOP SS Intermediate (.pdf)
Attachment 11 - Initial Calibration Standards Preparation (.pdf)
Attachment 12 - Initial Calibration Standard Concentrations (.pdf)
Attachment 13 - Bile Salts Stock Solutions (.pdf)
Attachment 14 - Bile Salts Intermediate (.pdf)
Attachment 15 - Bile Salts Working Solution (.pdf)
Attachment 16 - 1633 WDM (.pdf)
Attachment 17 - Native Mid Level Spike (.pdf)
Attachment 18 - Native Low Level Spike (.pdf)
Attachment 19 - ICV Working Standard (.pdf)
Attachment 20 - Purchased Standards (.pdf)
Attachment 21 – Proprietary Content
Attachment 22 - Tables 7-8 (EPA 1633) (.docx)

G-DC-FRM23907 Redacted SOPs
QA-SOP11178 Demonstrations of Capability
QA-SOP11892 Determining Method Detection Limits and Limits of Quantitation
T-PEST-WI9847 Common Equations Used During Chromatographic Analyses
T-PFAS-FRM74731 D4033 - Moisture Calculation
T-PFAS-WI21568 Environmental Monitoring in the PFAS Lab
T-PFAS-WI23588 Preventative and Corrective Maintenance for the AB Sciex Liquid Chromatograph Mass Spectrometers (LC/MS/MS)
Attachment: Attachment 01 - Mass Transitions (pdf)
Attachment: Attachment 02 - Standard Relationships (pdf)
Attachment: Attachment 03 – Proprietary Content
Attachment: Attachment 04 - Example CoA (pdf)
Attachment: Attachment 05 - Native PFAS Intermediate A (pdf)
Attachment: Attachment 06 - Native PFAS Intermediate B (pdf)
Attachment: Attachment 07 - Native PFAS CAL8 Intermediate (pdf)
Attachment: Attachment 08 - 1633 EIS Intermediate (pdf)
Attachment: Attachment 09 - 1633 NIS Intermediate (pdf)
Attachment: Attachment 10 - 1633 TOP SS Intermediate (pdf)
Attachment: Attachment 11 - Initial Calibration Standards Preparation (pdf)
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Attachment: Attachment 13 - Bile Salts Stock Solutions (pdf)
Attachment: Attachment 14 - Bile Salts Intermediate (pdf)
Attachment: Attachment 15 - Bile Salts Working Solution (pdf)
Attachment: Attachment 16 - 1633 WDM (pdf)
Attachment: Attachment 17 - Native Mid Level Spike (pdf)
Attachment: Attachment 18 - Native Low Level Spike (pdf)
Attachment: Attachment 19 - ICV Working Standard (pdf)
Attachment: Attachment 20 - Purchased Standards (pdf)
Attachment: Attachment 21 – Proprietary Content
Attachment: Attachment 22 - Tables 7-8 (EPA 1633) (docx)

End of document

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Version history

Version	Approval	Revision information	
3.1	27.AUG.2024		
4	31.OCT.2024		
5	11.MAR.2025		

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Attachment 1 – Mass Transitions

CAS#	Compound	Parent Ion	Daughter Ion
422-64-0	PFPrA	163.00	119.00
STL03194	13C3-PFPrA	166.00	121.00
STL02680	13C3-PFBA	216.00	172.00
STL00992	13C4-PFBA	216.80	171.90
375-22-4	PFBA	212.80	168.90
377-73-1	PFECA F (PFMPA)	229.00	84.90
356-02-5	3:3 FTCA	241.00	177.00
	3:3 FTCA (2)	241.00	117.00
2706-90-3	PFPeA	263.00	219.00
STL01893	13C5-PFPeA	268.30	223.00
863090-89-5	PFECA A (PFMBA)	279.00	85.10
82113-65-3	TFSI	280.00	147.00
	TFSI (2)	280.00	78.00
13252-13-6	HFPODA	284.90	168.90
	HFPODA (2)	284.90	184.90
STL02255	13C3-HFPODA	286.90	168.90
	13C3-HFPODA (2)	286.90	184.90
151772-58-6	PFECA B (NFDHA)	295.00	201.00
	PFECA B (NFDHA) (2)	295.00	84.90
375-73-5	PFBS	298.70	79.90
	PFBS (2)	298.70	98.80
STL02337	13C3-PFBS	302.10	79.90
307-24-4	PFHxA	313.00	269.00
	PFHxA (2)	313.00	118.90
113507-82-7	PFEESA (PES)	314.80	134.90
	PFEESA (PES) (2)	314.80	82.90
STL00993	13C2-PFHxA	315.10	270.00
STL02577	13C5-PFHxA	318.00	273.00
757124-72-4	4:2-FTS	327.10	307.00
	4:2-FTS (2)	327.10	80.90
914637-49-3	5:3 FTCA	341.00	237.10
	5:3 FTCA (2)	341.00	217.00
2706-91-4	PFPeS	349.10	79.90
	PFPeS (2)	349.10	98.90
375-85-9	PFHpA	363.10	319.00
	PFHpA (2)	363.10	169.00
STL01892	13C4-PFHpA	367.10	322.00
919005-14-4	DONA	376.90	250.90
	DONA (2)	376.90	84.80
41997-13-1	FHxSA	397.90	78.00

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Attachment 1 – Mass Transitions

CAS#	Compound	Parent Ion	Daughter Ion
355-46-4	PFHxS	398.70	79.90
	PFHxS (2)	398.70	98.90
STL02581	13C3-PFHxS	402.10	79.90
STL00994	18O2-PFHxS	403.00	83.90
335-67-1	PFOA	413.00	369.00
	PFOA (2)	413.00	169.00
STL00623	13C2-PFOA	415.00	370.00
STL00990	13C4-PFOA	417.10	372.00
STL01054	13C8-PFOA	421.10	376.00
27619-97-2	6:2-FTS	427.10	407.00
	6:2-FTS (2)	427.10	80.90
STL02279	13C2-6:2-FTS	429.10	80.90
812-70-4	7:3 FTCA	441.00	316.90
	7:3 FTCA (2)	441.00	336.90
375-92-8	PFHpS	449.00	79.90
	PFHpS (2)	449.00	98.80
133201-07-7	PFECHS	461.00	381.00
	PFECHS (2)	461.00	99.00
375-95-1	PFNA	463.00	419.00
	PFNA (2)	463.00	219.00
STL00995	13C5-PFNA	468.00	423.00
STL02578	13C9-PFNA	472.10	427.00
516-50-7	TDCA	498.00	80.00
754-91-6	PFOSA	498.10	77.90
	PFOSA (2)	498.10	478.00
516-35-8	TCDCA	498.10	80.00
14605-22-2	TUDCA	498.20	80.00
1763-23-1	PFOS	498.90	79.90
	PFOS (2)	498.90	98.80
STL00991	13C4-PFOS	502.80	79.90
STL01056	13C8-PFOSA	506.10	77.80
STL01054	13C8-PFOS	507.10	79.90
31506-32-8	NMeFOSA	511.90	219.00
	NMeFOSA (2)	511.90	169.00
335-76-2	PFDA	512.90	469.00
	PFDA (2)	512.90	219.00
STL02705	d3-NMeFOSA	515.00	219.00
STL00996	13C2-PFDA	515.10	470.10
STL02579	13C6-PFDA	519.10	474.10
4151-50-2	NEtFOSA	526.00	219.00
	NEtFOSA (2)	526.00	169.00
39108-34-4	8:2-FTS	527.10	507.00
	8:2-FTS (2)	527.10	80.80

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Attachment 1 – Mass Transitions

CAS#	Compound	Parent Ion	Daughter Ion
STL02280	13C2-8:2-FTS	529.10	80.90
756426-58-1	9Cl-PF3ONS	530.80	351.00
	9Cl-PF3ONS (2)	532.80	353.00
STL02704	d5-NEtFOSA	531.10	219.00
68259-12-1	PFNS	548.80	79.90
	PFNS (2)	548.80	98.80
2058-94-8	PFUnA	563.10	519.00
	PFUnA (2)	563.10	269.10
STL00997	13C2-PFUnA	565.00	520.00
STL02580	13C7-PFUnA	570.00	525.10
2355-31-9	NMeFOSAA	570.10	419.00
	NMeFOSAA (2)	570.10	483.00
STL02118	d3-NMeFOSAA	573.20	419.00
2991-50-6	NEtFOSAA	584.20	419.10
	NEtFOSAA (2)	584.20	526.00
STL02117	d5-NEtFOSAA	589.20	419.00
335-77-3	PFDS	599.00	79.90
	PFDS (2)	599.00	98.80
307-55-1	PFDoDA	613.10	569.00
	PFDoDA (2)	613.10	319.00
STL00998	13C2-PFDoDA	615.10	570.00
24448-09-7	NMeFOSE	616.10	58.90
STL02277	d7-NMeFOSE	623.20	58.90
1691-99-2	NEtFOSE	630.00	58.90
763051-92-9	11Cl-PF3OUdS	630.90	450.90
	11Cl-PF3OUdS (2)	632.90	452.90
STL02278	d9-NEtFOSE	639.20	58.90
72629-94-8	PFTrDA	663.00	619.00
	PFTrDA (2)	663.00	168.90
79780-39-5	PFDoS	699.10	79.90
	PFDoS (2)	699.10	98.80
376-06-7	PFTeDA	713.10	168.90
	PFTeDA (2)	713.10	219.00
STL02116	13C2-PFTeDA	715.20	670.00
16517-11-6	PFODA	913.00	869.00
	PFODA (2)	913.00	169.00

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Attachment 2 - PFAS Injection Standards/Extraction Standards/Native Compounds

Native	Extraction Standard	Internal Standard
PFBA	13C4-PFBA	13C3-PFBA
PFPrA	13C3-PFPrA	
PFPeA	13C5-PFPeA	13C2-PFHxA
3:3FTCA		
PFMPA		
PFMBA		
PFHxA	13C5-PFHxA	
NFDHA		
5:3FTCA		
7:3FTCA		
PFEESA		
PFHpA	13C4-PFHpA	
HFPO-DA	13C3-HFPO-DA	
ADONA		
9Cl-PF3ONS		
11Cl-PF3OUdS		
PFOA	13C8-PFOA	13C4-PFOA
PFNA	13C9-PFNA	13C5-PFNA
PFDA	13C6-PFDA	13C2-PFDA
PFUnA	13C7-PFUnA	
PFDoA	13C2-PFDoA	
PFTeDA	13C2-PFTeDA	
PFODA		
PFTrDA	Avg 13C2-PFTeDA and 13C2-PFDoA	
PFBS	13C3-PFBS	18O2-PFHxS
FBSA		
PFPeS	13C3-PFHxS	
PFHxS		
FHxSA		
PFECHS		
TFSI		
4:2-FTS	13C2-4:2-FTS	
6:2-FTS	13C2-6:2-FTS	
8:2-FTS	13C2-8:2-FTS	
PFHpS	13C8-PFOS	13C4-PFOS
PFOS		

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Attachment 2 - PFAS Injection Standards/Extraction Standards/Native Compounds

Native	Extraction Standard	Internal Standard
PFNS		
PFDS		
PFDoS		
PFOSA	13C8-PFOSA	
NMeFOSA	d3-NMeFOSA	
NEtFOSA	d5-NEtFOSA	
NMeFOSAA	d3-NMeFOSAA	
NEtFOSAA	d5-NEtFOSAA	
NMeFOSE	d7-N-MeFOSE-M	
NEtFOSE	d9-N-EtFOSE-M	

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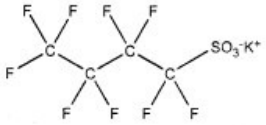
Attachment 4 – Example CoA

WELLINGTON LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

PRODUCT CODE:	L-PFBS	**LOT NUMBER:**	LPFBS1022
COMPOUND:	Potassium perfluoro-1-butanesulfonate		
STRUCTURE:		**CAS #:**	29420-49-3



MOLECULAR FORMULA:	$C_4F_9SO_3K$	**MOLECULAR WEIGHT:**	338.19
CONCENTRATION:	50.0 ± 2.5 µg/mL (K salt)	**SOLVENT(S):**	Methanol
	44.4 ± 2.2 µg/mL (PFBS acid)		
	44.2 ± 2.2 µg/mL (PFBS anion)		
CHEMICAL PURITY:	>98%		
LAST TESTED: (mm/dd/yyyy)	10/04/2022		
EXPIRY DATE: (mm/dd/yyyy)	10/04/2027		
RECOMMENDED STORAGE:	Store ampoule in a cool, dark place		

DOCUMENTATION/ DATA ATTACHED:

Figure 1: LC/MS Data (Full Scan and Mass Spectrum)
Figure 2: LC/MS/MS Data (Selected MRM Transitions)

ADDITIONAL INFORMATION:

- See page 2 for further details.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

Certified By: _____ **Date:** 10/14/2022 (mm/dd/yyyy)
B.G. Chittim, General Manager

Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA
519-822-2436 • Fax: 519-822-2849 • info@well-labs.com

Form#:27, Issued 2004-11-10
Revision#:9, Revised 2020-12-23

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A1226), and ISO 17034 by ANSI National Accreditation Board (ANAB; AR-1523).

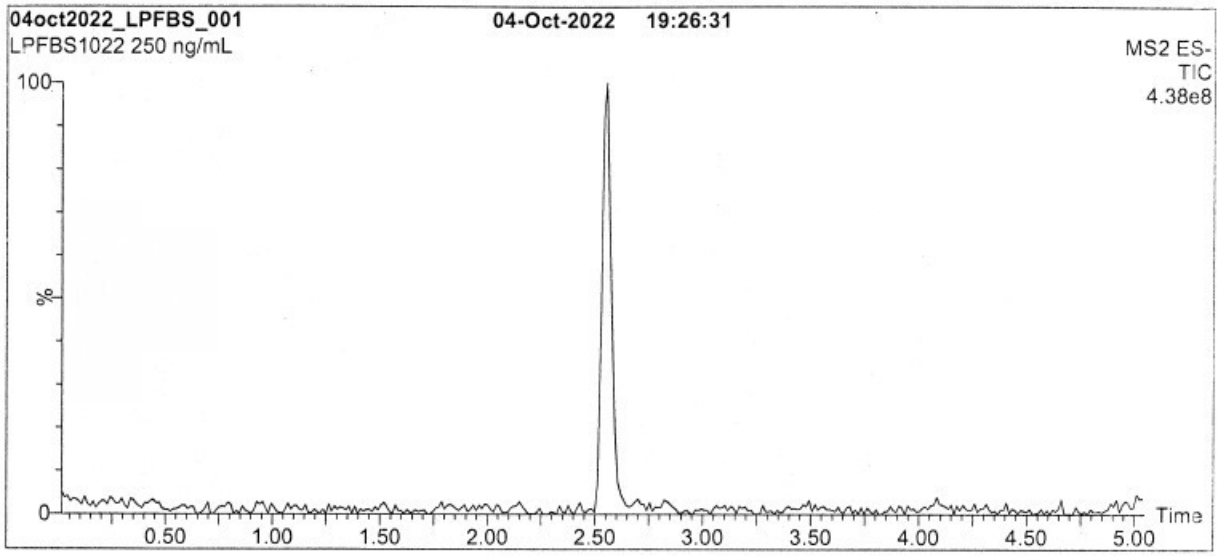
CALA Testing Accreditation No. A1226

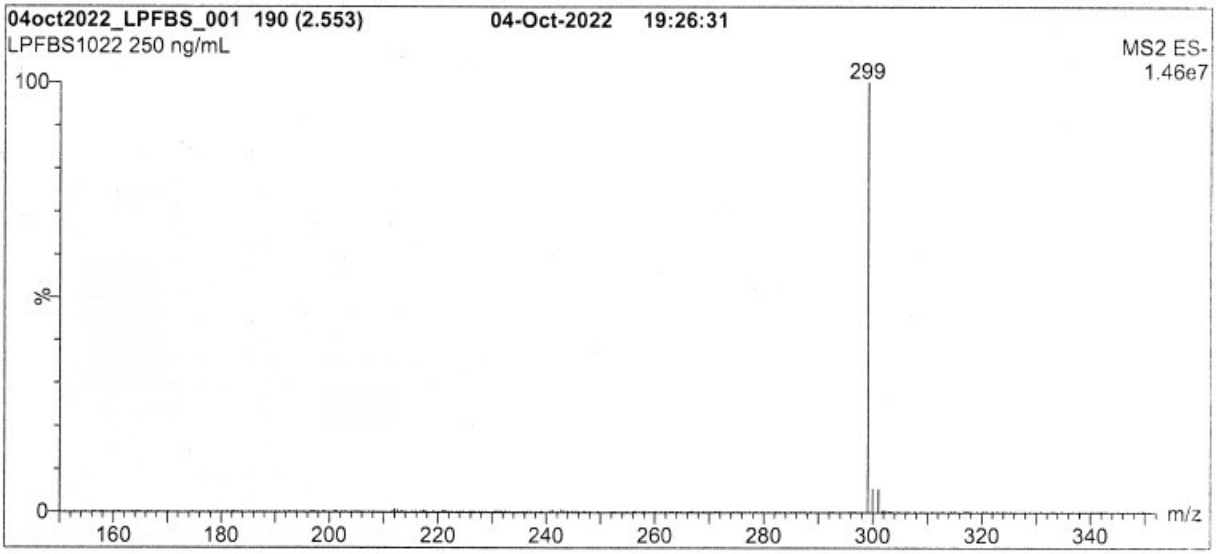
ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Attachment 4 – Example CoA

Figure 1: **L-PFBS; LC/MS Data (Full Scan and Mass Spectrum)**





Conditions for Figure 1:

Waters Acquity Ultra Performance LC
Waters Xevo TQ-S micro MS

Chromatographic Conditions:

Column: Acquity UPLC BEH Shield RP_{18}
1.7 µm, 2.1 x 100 mm

Mobile phase: Gradient
Start: 60% H_2O / 40% (80:20 MeOH:ACN)
(both with 10 mM NH_4OAc buffer)
Ramp to 90% organic over 8 min and hold for 2 min
before returning to initial conditions over 0.75 min.
Time: 12 min

Flow: 300 µL/min

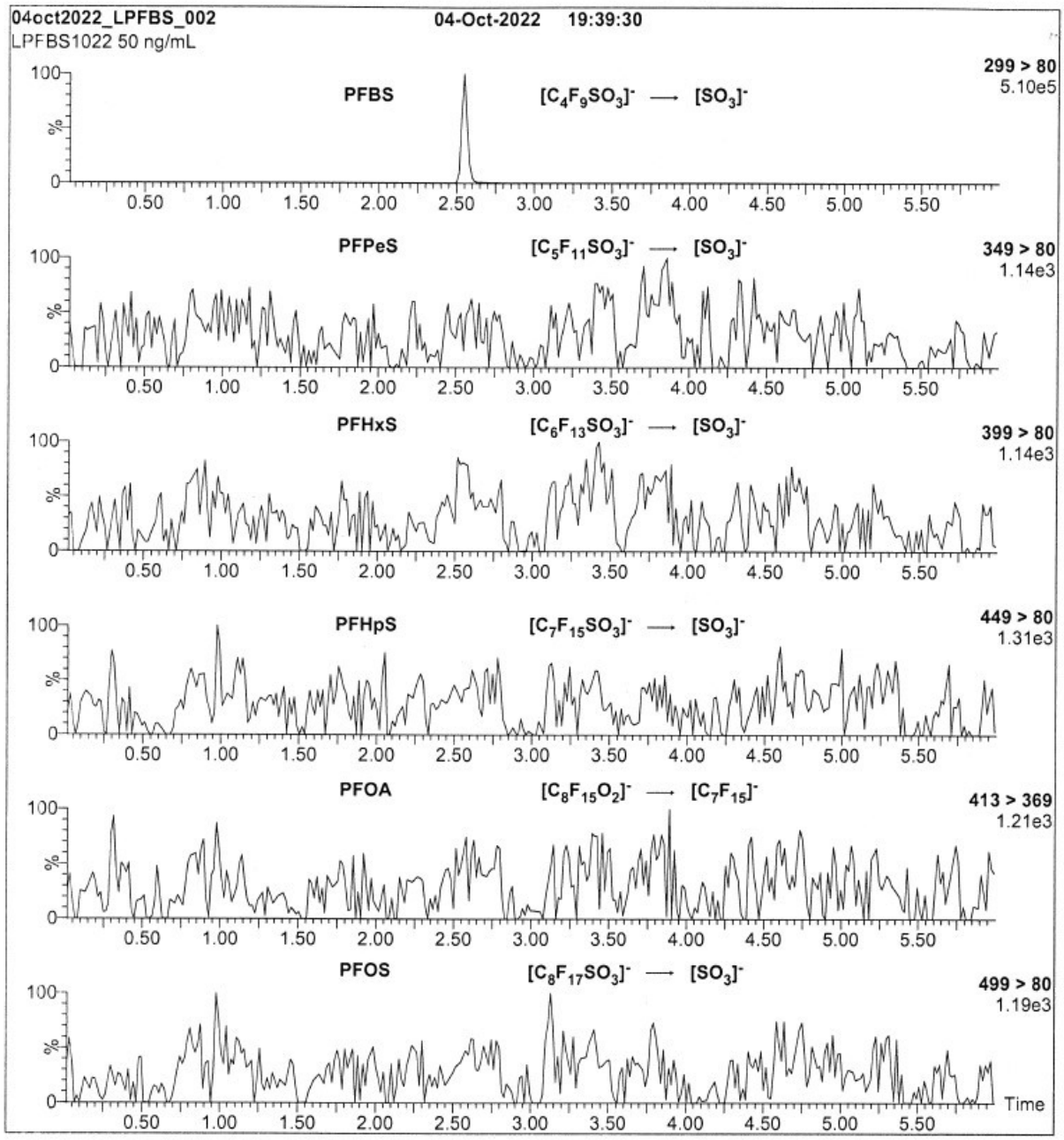
MS Parameters:

Experiment: Full Scan (150 - 850 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.00
Cone Voltage (V) = 10.00
Desolvation Temperature (°C) = 500
Desolvation Gas Flow (L/hr) = 1000

Attachment 4 – Example CoA

Figure 2: **L-PFBS; LC/MS/MS Data (Selected MRM Transitions)**



Conditions for Figure 2:

Injection:	On-column (L-PFBS)
Mobile phase:	Same as Figure 1
Flow:	300 µL/min

MS Parameters:

Collision Gas (mbar) = 3.29e-3
Collision Energy (eV) = 30

Form#:27, Issued 2004-11-10
Revision#:9, Revised 2020-12-23

LPFBS1022 (4 of 4)
rev0

Attachment 05 - Native PFAS Intermediate A								
Vendor	Catalog Number	Analyte	CAS#	Acronym	Conc. (ng/mL)	Aliquot (mL)	Final Volume (mL)	Final Conc. (ng/mL)
Wellington	PFBA	Perfluorobutanoic acid	375-22-4	PFBA	50000	0.100	10	500
Wellington	PFPeA	Perfluoropentanoic acid	2706-90-3	PFPeA	50000	0.050		250
Wellington	PFHxA	Perfluorohexanoic acid	307-24-4	PFHxA	50000	0.050		250
Wellington	PFHpA	Perfluoroheptanoic acid	375-85-9	PFHpA	50000	0.050		250
Wellington	br-PFOA	Perfluorooctanoic acid	335-67-1	PFOA	50000	0.050		250
Wellington	br-PFNA	Perfluorononanoic acid	375-95-1	PFNA	50000	0.050		250
Wellington	PFDA	Perfluorodecanoic acid	335-76-2	PFDA	50000	0.050		250
Wellington	PFUdA	Perfluoroundecanoic acid	2058-94-8	PFUnA	50000	0.050		250
Wellington	MPFDOA	Perfluorododecanoic acid	307-55-1	PFDoA	50000	0.050		250
Wellington	PFTrDA	Perfluorotridecanoic acid	72629-94-8	PFTrDA	50000	0.050		250
Wellington	PFTeDA	Perfluorotetradecanoic acid	376-06-7	PFTeDA	50000	0.050		250
Wellington	L-PFBS	Perfluorobutanesulfonic acid	375-73-5	PFBS	44200	0.050		221
Wellington	L-PFPeS	Perfluoropentansulfonic acid	2706-91-4	PFPeS	46900	0.050		235
Wellington	br-PFHxSK	Perfluorohexanesulfonic acid	355-46-4	PFHxS	45500	0.050		228
Wellington	L-PFHpS	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	47600	0.050		238
Wellington	br-PFOSK	Perfluorooctanesulfonic acid	1763-23-1	PFOS	46600	0.050		233
Wellington	L-PFNS	Perfluorononanesulfonic acid	68259-12-1	PFNS	48000	0.050		240
Wellington	L-PFDS	Perfluorodecanesulfonic acid	335-77-3	PFDS	48200	0.050		241
Wellington	L-PFDoS	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	48400	0.050		242
Wellington	4;2 FTS	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	46700	0.100		467
Wellington	6;2 FTS	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	47400	0.100		474
Wellington	8;2 FTS	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	47900	0.100		479
Wellington	br-FOSA	Perfluorooctanesulfonamide	754-91-6	PFOSA	50000	0.050		250
Wellington	br-NMeFOSA	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	50000	0.050		250
Wellington	br-NEtFOSA	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	50000	0.050		250
Wellington	br-NMeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	50000	0.050		250
Wellington	br-NEtFOSAA	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	50000	0.050		250
Wellington	br-NMeFOSE	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	50000	0.250		1250
Wellington	br-NMeFOSE	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	50000	0.250		1250
Wellington	HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	50000	0.0375		187.5
Wellington	NaDONA	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	47100	0.050		236
Wellington	PFEESA	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	44500	0.050		223
Wellington	PF4OPeA	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	50000	0.050		250
Wellington	PF5OHxA	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	50000	0.050		250
Wellington	3,6-OPFHpA	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	50000	0.050		250
Wellington	9Cl-PF3ONS	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	46600	0.050		233
Wellington	11Cl-PF3OUdS	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	47100	0.050		236
Wellington	FPrPA	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	50000	0.100		500
Wellington	FPePA	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	50000	0.250		1250
Wellington	FHpPA	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	50000	0.250		1250
Wellington	PFECHS	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	46100	0.050		231
Wellington	FBSA-I	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	50000	0.050		250
Wellington	FHxSA-I	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	50000	0.050		250
Wellington	PFPrA	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	50000	0.250		1250
Wellington	PFODA	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	50000	0.050		250
AccuStandard	PFOS-030S	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	97900	0.0250		245

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Attachment 06 - Native PFAS Intermediate B							
Source Rgt Name	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL**	**Final Conc. (ng/mL)**
Native PFAS Intermediate A	Perfluorobutanoic acid	375-22-4	PFBA	500	0.1	10	5
	Perfluoropentanoic acid	2706-90-3	PFPeA	250			2.5
	Perfluorohexanoic acid	307-24-4	PFHxA	250			2.5
	Perfluoroheptanoic acid	375-85-9	PFHpA	250			2.5
	Perfluorooctanoic acid	335-67-1	PFOA	250			2.5
	Perfluorononanoic acid	375-95-1	PFNA	250			2.5
	Perfluorodecanoic acid	335-76-2	PFDA	250			2.5
	Perfluoroundecanoic acid	2058-94-8	PFUnA	250			2.5
	Perfluorododecanoic acid	307-55-1	PFDoA	250			2.5
	Perfluorotridecanoic acid	72629-94-8	PFTrDA	250			2.5
	Perfluorotetradecanoic acid	376-06-7	PFTeDA	250			2.5
	Perfluorobutanesulfonic acid	375-73-5	PFBS	221			2.21
	Perfluoropentansulfonic acid	2706-91-4	PFPeS	235			2.35
	Perfluorohexanesulfonic acid	355-46-4	PFHxS	228			2.28
	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	238			2.38
	Perfluorooctanesulfonic acid	1763-23-1	PFOS	233			2.33
	Perfluorononanesulfonic acid	68259-12-1	PFNS	240			2.4
	Perfluorodecanesulfonic acid	335-77-3	PFDS	241			2.41
	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	242			2.42
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	467			4.67
	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	474			4.74
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	479			4.79
	Perfluorooctanesulfonamide	754-91-6	PFOSA	250			2.5
	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	250			2.5
	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	250			2.5
	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	250			2.5
	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	250			2.5
	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	1250			12.5
	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	1250			12.5
	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	187.5			1.875
	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	236			2.36
	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	223			2.23
	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	250			2.5
	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	250			2.5
	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	250			2.5
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	233			2.33
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	236			2.36
	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	500			5
	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	1250			12.5
	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	1250			12.5
	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	231			2.31
	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	250			2.5
	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	250			2.5
	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	1250			12.5
	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	250			2.5
	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	245			2.45

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Attachment 07 - Native PFAS CAL8 Intermediate								
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL)**	**Final Conc. (ng/mL)**
Wellington	PFBA	Perfluorobutanoic acid	375-22-4	PFBA	50000	0.100	10	500
Wellington	PFPeA	Perfluoropentanoic acid	2706-90-3	PFPeA	50000	0.050		250
Wellington	PFHxA	Perfluorohexanoic acid	307-24-4	PFHxA	50000	0.050		250
Wellington	PFHpA	Perfluoroheptanoic acid	375-85-9	PFHpA	50000	0.050		250
Wellington	br-PFOA	Perfluorooctanoic acid	335-67-1	PFOA	50000	0.050		250
Wellington	br-PFNA	Perfluorononanoic acid	375-95-1	PFNA	50000	0.050		250
Wellington	L-PFBS	Perfluorobutanesulfonic acid	375-73-5	PFBS	44200	0.050		221
Wellington	L-PFPeS	Perfluoropentansulfonic acid	2706-91-4	PFPeS	46900	0.050		235
Wellington	br-PFHxSK	Perfluorohexanesulfonic acid	355-46-4	PFHxS	45500	0.050		228
Wellington	L-PFHpS	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	47600	0.050		238
Wellington	br-PFOSK	Perfluorooctanesulfonic acid	1763-23-1	PFOS	46600	0.050		233
Wellington	HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	50000	0.0375		187.5

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Attachment 08 - 1633 EIS Intermediate								
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume**	**Final Conc. (ng/mL)**
Wellington	MPFBA	Perfluoro-n-[13C4]butanoic acid	STL00992	$^{13}C_4$-PFBA	50000	0.08	10	400
Wellington	M5PFPeA	Perfluoro-n-[13C5]pentanoic acid	STL01893	$^{13}C_5$-PFPeA	50000	0.08		400
Wellington	M5PFHxA	Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	STL02577	$^{13}C_5$-PFHxA	50000	0.08		400
Wellington	M4PFHpA	Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	STL01892	$^{13}C_4$-PFHpA	50000	0.08		400
Wellington	M8PFOA	Perfluoro-n-[13C8]octanoic acid	STL01052	$^{13}C_8$-PFOA	50000	0.08		400
Wellington	M9PFNA	Perfluoro-n-[13C9]nonanoic acid	STL02578	$^{13}C_9$-PFNA	50000	0.08		400
Wellington	M6PFDA	Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	STL02579	$^{13}C_6$-PFDA	50000	0.08		400
Wellington	M7PFUdA	Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	STL02580	$^{13}C_7$-PFUnA	50000	0.08		400
Wellington	MPFDoA	Perfluoro-n-[1,2-13C2]dodecanoic acid	STL00998	$^{13}C_2$-PFDoA	50000	0.08		400
Wellington	M2PFTeDA	Perfluoro-n-[1,2-13C2]tetradecanoic acid	STL02116	$^{13}C_2$-PFTeDA	50000	0.08		400
Wellington	M3PFBS	Perfluoro-1-[2,3,4-13C3]butanesulfonic acid	STL02337	$^{13}C_3$-PFBS	46500	0.08		372
Wellington	M3PFHxS	Perfluoro-1-[1,2,3-13C3]hexanesulfonic acid	STL02581	$^{13}C_3$-PFHxS	47300	0.08		378
Wellington	M8PFOS	Perfluoro-1-[13C8]octanesulfonic acid	STL01054	$^{13}C_8$-PFOS	47800	0.08		382
Wellington	M8FOSA-I	Perfluoro-1-[13C8]octanesulfonamide	STL01056	$^{13}C_8$-PFOSA	50000	0.08		400
Wellington	d3-N-MeFOSAA	N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid	STL02118	d_3-NMeFOSAA	50000	0.2		1000
Wellington	d5-N-EtFOSAA	N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid	STL02117	d_5-NEtFOSAA	50000	0.2		1000
Wellington	M2-4;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]hexane sulfonic acid	STL02395	$^{13}C_2$-4:2FTS	46700	0.2		934
Wellington	M2-6;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]octane sulfonic acid	STL02279	$^{13}C_2$-6:2FTS	47500	0.2		950
Wellington	M2-8;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]decane sulfonic acid	STL02280	$^{13}C_2$-8:2FTS	47900	0.2		958
Wellington	M3HFPO-DA	Tetrafluoro-2-heptafluoropropoxy-13C3-propanoic acid	STL02255	$^{13}C_3$-HFPO-DA	50000	0.08		400
Wellington	d7-N-MeFOSE-M	N-methyl-d7-perfluorooctanesulfonamidoethanol	STL02277	d_7-N-MeFOSE-M	50000	0.2		1000
Wellington	d9-N-EtFOSE-M	N-ethyl-d9-perfluorooctanesulfonamidoethanol	STL02278	d_9-N-EtFOSE-M	50000	0.2		1000
Wellington	d-N-MeFOSA-M	N-ethyl-d5-perfluoro-1-octanesulfonamide	STL02704	d_5-NEtPFOSA	50000	0.08		400
Wellington	d-N-EtFOSA-M	N-methyl-d3-perfluoro-1-octanesulfonamide	STL02705	d_3-NMePFOSA	50000	0.08		400
Cambridge Isotope	CLM-11324-A-1.2	Perfluoropropanoic acid (PFPrA) ($^{13}C_3$)	STL03194	$^{13}C_3$-PFPrA	50000	0.08		400

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Attachment 09 - 1633 NIS Intermediate								
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume (mL)**	**Final Conc. (ng/mL)**
Wellington	M3PFBA	Perfluoro-n-[2,3,4-13C3]butanoic acid	STL02680	$^{13}C_3$-PFBA	50000	0.08	10	400
Wellington	MPFOA	Perfluoro-n-[1,2,3,4-13C4]octanoic acid	STL00990	$^{13}C_4$-PFOA	50000	0.2		1000
Wellington	MPFDA	Perfluoro-n-[1,2-13C2]decanoic acid	STL00996	$^{13}C_2$-PFDA	50000	0.08		400
Wellington	MPFOS	Perfluoro-n-[1,2,3,4-13C4]octanesulfonic acid	STL00991	$^{13}C_4$-PFOS	47800	0.08		382.4
Wellington	MPFNA	Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	STL00995	$^{13}C_5$-PFNA	50000	0.08		400
Wellington	MPFHxA	Perfluoro-n-[1,2-13C2]hexanoic acid	STL00993	$^{13}C_2$-PFHxA	50000	0.2		1000
Wellington	MPFHxS	Perfluoro-1-hexane[18O2]sulfonic acid	STL00994	$^{18}O_2$-PFHxS	47300	0.08		378.4

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Attachment 10 - 1633 TOP SS Intermediate								
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume**	**Final Conc. (ng/mL)**
Wellington	M2PFOA	Perfluoro-n-(1,2-13C2)octanoic acid	STL00623	$^{13}C_2$-PFOA	50000	0.025	10	125
Wellington	MPFUdA	Perfluoro-n-(1,2-13C2)undecanoic acid	STL00997	$^{13}C_2$-PFUnA	50000	0.025		125
Wellington	M3PFPeA	Perfluoro-n-(3,4,5-13C3)pentanoic acid	STL03269	$^{13}C_3$-PFPeA	50000	0.025		125

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Attachment 11 - 1633 Initial Calibration Standards Preparation								
Solution Name	**CAL1**	**CAL2**	**CAL3**	**CAL4**	**CAL5**	**CAL6**	**CAL7**	**CAL8**
Native PFAS CAL8 Intermediate (mL)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.0
Native PFAS Intermediate A (mL)	N/A	N/A	0.02	0.04	0.1	0.2	0.4	N/A
Native PFAS Intermediate B (mL)	0.2	0.5	N/A	N/A	N/A	N/A	N/A	N/A
1633 TOP SS Intermediate (mL)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1633 EIS Intermediate (mL)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1633 NIS Intermediate (mL)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Final Volume (mL)	10	10	10	10	10	10	10	10

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Attachment 12 - 1633 Initial Calibration Standard Concentrations								
	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7	CAL8
Analyte Name	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)	Conc. (ng/ml)
PFBA	0.100	0.250	1.00	2.00	5.00	10.0	20.0	100
PFPeA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFHxA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFHpA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFOA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFNA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	50.0
PFDA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFUnA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFDoA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFTrDA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFTeDA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFBS	0.044	0.111	0.442	0.884	2.21	4.42	8.84	44.2
PFPeS	0.047	0.117	0.469	0.938	2.35	4.69	9.38	46.9
PFHxS	0.046	0.114	0.455	0.910	2.28	4.55	9.10	45.5
PFHpS	0.048	0.119	0.476	0.952	2.38	4.76	9.52	47.6
PFOS	0.047	0.117	0.466	0.932	2.33	4.66	9.32	46.6
PFNS	0.048	0.120	0.480	0.960	2.40	4.80	9.60	N/A
PFDS	0.048	0.121	0.482	0.964	2.41	4.82	9.64	N/A
PFDoS	0.048	0.121	0.484	0.968	2.42	4.84	9.68	N/A
4:2-FTS	0.093	0.234	0.934	1.87	4.67	9.34	18.7	N/A
6:2-FTS	0.095	0.237	0.948	1.90	4.74	9.48	19.0	N/A
8:2-FTS	0.096	0.240	0.958	1.92	4.79	9.58	19.2	N/A
PFOSA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NMeFOSA / N-MePFOSA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NEtFOSA / N-EtPFOSA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NMeFOSAA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NEtFOSAA	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NMePFOSAE / NMeFOSE	0.250	0.625	2.50	5.00	12.5	25.0	50.0	N/A
NEtPFOSAE / NEtFOSE	0.250	0.625	2.50	5.00	12.5	25.0	50.0	N/A
HFPO-DA / GenX	0.038	0.094	0.38	0.750	1.88	3.75	7.50	37.5
ADONA	0.047	0.118	0.471	0.942	2.36	4.71	9.42	N/A
PFEESA / PES	0.045	0.111	0.445	0.890	2.23	4.45	8.90	N/A
PFMPA / PFECA F	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
PFMBA / PFECA A	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
NFDHA / PFECA B	0.050	0.125	0.50	1.00	2.50	5.00	10.0	N/A
9Cl-PF3ONS	0.047	0.117	0.466	0.93	2.33	4.66	9.32	N/A
11Cl-PF3OUdS	0.047	0.118	0.471	0.94	2.36	4.71	9.42	N/A
3:3 FTCA	0.100	0.250	1.00	2.00	5.00	10.0	20.0	N/A
5:3 FTCA	0.250	0.625	2.50	5.00	12.5	25.0	50.0	N/A
7:3 FTCA	0.250	0.625	2.50	5.00	12.5	25.0	50.0	N/A
PFECHS	0.046	0.116	0.462	0.92	2.31	4.62	9.24	N/A
FBSA	0.050	0.125	0.500	1.00	2.50	5.00	10.0	N/A
FHxSA	0.050	0.125	0.500	1.00	2.50	5.00	10.0	N/A
PFPrA / PPF Acid	0.250	0.625	2.500	5.00	12.5	25.0	50.0	N/A
PFODA	0.050	0.125	0.500	1.00	2.50	5.00	10.0	N/A
TFSI	0.049	0.122	0.490	0.98	2.45	4.90	9.79	N/A
$^{13}C_3$-PFPrA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_4$-PFBA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_5$-PFPeA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_5$-PFHxA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_4$-PFHpA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_8$-PFOA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_9$-PFNA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_6$-PFDA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_7$-PFUnA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_2$-PFDoA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_2$-PFTeDA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_3$-PFBS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_3$-PFHxS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_8$-PFOS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_8$-PFOSA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
d_3-NMeFOSAA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
d_5-NEtFOSAA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_2$-4:2FTS	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_2$-6:2FTS	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_2$-8:2FTS	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_3$-HFPO-DA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
d_7-N-MeFOSE-M	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
d_9-N-EtFOSE-M	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
d_5-NEtPFOSA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
d_3-NMePFOSA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_3$-PFBA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_4$-PFOA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{13}C_2$-PFDA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_4$-PFOS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_5$-PFNA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_2$-PFHxA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
$^{18}O_2$-PFHxS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
$^{13}C_2$-PFOA	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
$^{13}C_2$-PFUnA	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
$^{13}C_3$-PFPeA	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625

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Attachment 13 - Bile Salts Stock Solution							
Vendor	**Catalog Number**	**Analyte**	**CAS#**	**Acronym**	**Aliquot (g)**	**Final Volume**	**Final Conc. (ng/mL)**
Sigma Aldrich	T0557-500MG	Taurodeoxycholic acid	516-50-7	TDCA	0.05	50	1000000
Sigma Aldrich	T6260-1G	Taurochenodeoxycholic acid	516-35-8	TCDCA	0.05		950000
Calbiochem	580549-1GM	Tauroursodeoxycholic acid	14605-22-2	TUDCA	0.05		1000000

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Attachment 14 - Bile Salts Intermediate							
Source Rgt Name	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume**	**Final Conc. (ng/mL)**
Bile Salts Stock Solution	Taurodeoxycholic acid	516-50-7	TDCA	1000000	1	4	250000
	Taurochenodeoxycholic acid	516-35-8	TCDCA	950000			237500
	Tauroursodeoxycholic acid	14605-22-2	TUDCA	1000000			250000

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Attachment 15 - Bile Salts Working Solution							
Source Rgt Name	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume**	**Final Conc. (ng/mL)**
Bile Salts Intermediate	Taurodeoxycholic acid	516-50-7	TDCA	250000	0.1	5	5000
	Taurochenodeoxycholic acid	516-35-8	TCDCA	237500			4750
	Tauroursodeoxycholic acid	14605-22-2	TUDCA	250000			5000

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Attachment 16 - 1633 Window-Defining Matrix Standard							
Source Rgt. Name	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume* (mL)**	**Final Conc. (ng/mL)**
Bile Salts Working Solution	Taurodeoxycholic acid	516-50-7	TDCA	5000	0.05	10	25
	Taurochenodeoxycholic acid	516-35-8	TCDCA	4750			23.8
	Tauroursodeoxycholic acid	14605-22-2	TUDCA	5000			25

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Attachment 17 - Native 1633 Mid-Level Spike							
Source Rgt. Name	Analyte	CAS#	Acronym	Conc. (ng/mL)	Aliquot (mL)	Final Volume	Final Conc. (ng/mL)
Native PFAS Intermediate A	Perfluorobutanoic acid	375-22-4	PFBA	500	4	10	200
	Perfluoropentanoic acid	2706-90-3	PFPeA	250			100
	Perfluorohexanoic acid	307-24-4	PFHxA	250			100
	Perfluoroheptanoic acid	375-85-9	PFHpA	250			100
	Perfluorooctanoic acid	335-67-1	PFOA	250			100
	Perfluorononanoic acid	375-95-1	PFNA	250			100
	Perfluorodecanoic acid	335-76-2	PFDA	250			100
	Perfluoroundecanoic acid	2058-94-8	PFUnA	250			100
	Perfluorododecanoic acid	307-55-1	PFDoA	250			100
	Perfluorotridecanoic acid	72629-94-8	PFTrDA	250			100
	Perfluorotetradecanoic acid	376-06-7	PFTeDA	250			100
	Perfluorobutanesulfonic acid	375-73-5	PFBS	221			88.4
	Perfluoropentansulfonic acid	2706-91-4	PFPeS	235			93.8
	Perfluorohexanesulfonic acid	355-46-4	PFHxS	228			91.0
	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	238			95.2
	Perfluorooctanesulfonic acid	1763-23-1	PFOS	233			93.2
	Perfluorononanesulfonic acid	68259-12-1	PFNS	240			96.0
	Perfluorodecanesulfonic acid	335-77-3	PFDS	241			96.4
	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	242			96.8
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	467			187
	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	474			190
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	479			192
	Perfluorooctanesulfonamide	754-91-6	PFOSA	250			100
	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	250			100
	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	250			100
	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	250			100
	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	250			100
	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	1250			500
	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	1250			500
	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	187.5			75.0
	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	236			94.2
	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	223			89.0
	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	250			100
	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	250			100
	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	250			100
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	233			93.2
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	236			94.2
	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	500			200
	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	1250			500
	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	1250			500
	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	231			92.2
	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	250			100
	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	250			100
	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	1250			500
	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	250			100
	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	245			97.9

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Attachment 18 - Native 1633 Low-Level Spike							
Source Rgt. Name	**Analyte**	**CAS#**	**Acronym**	**Conc. (ng/mL)**	**Aliquot (mL)**	**Final Volume**	**Final Conc. (ng/mL)**
Native PFAS Intermediate A	Perfluorobutanoic acid	375-22-4	PFBA	500	0.5	10	25.00
	Perfluoropentanoic acid	2706-90-3	PFPeA	250			12.50
	Perfluorohexanoic acid	307-24-4	PFHxA	250			12.50
	Perfluoroheptanoic acid	375-85-9	PFHpA	250			12.50
	Perfluorooctanoic acid	335-67-1	PFOA	250			12.50
	Perfluorononanoic acid	375-95-1	PFNA	250			12.50
	Perfluorodecanoic acid	335-76-2	PFDA	250			12.50
	Perfluoroundecanoic acid	2058-94-8	PFUnA	250			12.50
	Perfluorododecanoic acid	307-55-1	PFDoA	250			12.50
	Perfluorotridecanoic acid	72629-94-8	PFTrDA	250			12.50
	Perfluorotetradecanoic acid	376-06-7	PFTeDA	250			12.50
	Perfluorobutanesulfonic acid	375-73-5	PFBS	221			11.05
	Perfluoropentansulfonic acid	2706-91-4	PFPeS	235			11.73
	Perfluorohexanesulfonic acid	355-46-4	PFHxS	228			11.38
	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	238			11.90
	Perfluorooctanesulfonic acid	1763-23-1	PFOS	233			11.65
	Perfluorononanesulfonic acid	68259-12-1	PFNS	240			12.00
	Perfluorodecanesulfonic acid	335-77-3	PFDS	241			12.05
	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	242			12.10
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	467			23.35
	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	474			23.70
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	479			23.95
	Perfluorooctanesulfonamide	754-91-6	PFOSA	250			12.50
	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	250			12.50
	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	250			12.50
	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	250			12.50
	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	250			12.50
	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	1250			62.50
	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	1250			62.50
	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	187.5			9.38
	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	235.5			11.78
	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	223			11.13
	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	250			12.50
	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	250			12.50
	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	250			12.50
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	233			11.65
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	235.5			11.78
	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	500			25.00
	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	1250			62.50
	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	1250			62.50
	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	230.5			11.53
	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	250			12.50
	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	250			12.50
	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	1250			62.50
	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	250			12.50
	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	244.75			12.24

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Attachment 19 - 1633 ICV Working Standard							
Source Rgt. Name	Analyte	CAS#	Acronym	Conc. (ng/mL)	Aliquot (mL)	Final Volume	Final Conc. (ng/mL)
Native PFAS Intermediate A	Perfluorobutanoic acid	375-22-4	PFBA	500	0.050	10	2.50
	Perfluoropentanoic acid	2706-90-3	PFPeA	250			1.25
	Perfluorohexanoic acid	307-24-4	PFHxA	250			1.25
	Perfluoroheptanoic acid	375-85-9	PFHpA	250			1.25
	Perfluorooctanoic acid	335-67-1	PFOA	250			1.25
	Perfluorononanoic acid	375-95-1	PFNA	250			1.25
	Perfluorodecanoic acid	335-76-2	PFDA	250			1.25
	Perfluoroundecanoic acid	2058-94-8	PFUnA	250			1.25
	Perfluorododecanoic acid	307-55-1	PFDoA	250			1.25
	Perfluorotridecanoic acid	72629-94-8	PFTrDA	250			1.25
	Perfluorotetradecanoic acid	376-06-7	PFTeDA	250			1.25
	Perfluorobutanesulfonic acid	375-73-5	PFBS	221			1.105
	Perfluoropentansulfonic acid	2706-91-4	PFPeS	235			1.173
	Perfluorohexanesulfonic acid	355-46-4	PFHxS	228			1.138
	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	238			1.190
	Perfluorooctanesulfonic acid	1763-23-1	PFOS	233			1.165
	Perfluorononanesulfonic acid	68259-12-1	PFNS	240			1.200
	Perfluorodecanesulfonic acid	335-77-3	PFDS	241			1.205
	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	242			1.210
	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	467			2.34
	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	474			2.37
	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	479			2.40
	Perfluorooctanesulfonamide	754-91-6	PFOSA	250			1.25
	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	250			1.25
	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	250			1.25
	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	250			1.25
	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	250			1.25
	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	1250			6.25
	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	1250			6.25
	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	187.5			0.938
	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	236			1.178
	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	223			1.113
	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	250			1.25
	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	250			1.25
	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	250			1.25
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	233			1.165
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	236			1.178
	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	500			2.50
	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	1250			6.25
	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	1250			6.25
	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	231			1.153
	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	250			1.25
	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	250			1.25
	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	1250			6.25
	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	250			1.25
	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	245			1.224
1633 TOP SS Intermediate	Perfluoro-n-(1,2-13C2)octanoic acid	STL00623	$^{13}C_2$-PFOA	125	0.050		0.625
	Perfluoro-n-(1,2-13C2)undecanoic acid	STL00997	$^{13}C_2$-PFUnA	125			0.625
	Perfluoro-n-(3,4,5-13C3)pentanoic acid	STL03269	$^{13}C_3$-PFPeA	125			0.625
1633 EIS Intermediate	Perfluoro-n-[13C4]butanoic acid	STL00992	$^{13}C_4$-PFBA	400	0.050		2.00
	Perfluoro-n-[13C5]pentanoic acid	STL01893	$^{13}C_5$-PFPeA	400			2.00
	Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	STL02577	$^{13}C_5$-PFHxA	400			2.00
	Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	STL01892	$^{13}C_4$-PFHpA	400			2.00
	Perfluoro-n-[13C8]octanoic acid	STL01052	$^{13}C_8$-PFOA	400			2.00
	Perfluoro-n-[13C9]nonanoic acid	STL02578	$^{13}C_9$-PFNA	400			2.00
	Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	STL02579	$^{13}C_6$-PFDA	400			2.00
	Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	STL02580	$^{13}C_7$-PFUnA	400			2.00
	Perfluoro-n-[1,2-13C2]dodecanoic acid	STL00998	$^{13}C_2$-PFDoA	400			2.00
	Perfluoro-n-[1,2-13C2]tetradecanoic acid	STL02116	$^{13}C_2$-PFTeDA	400			2.00
	Perfluoro-1-[2,3,4-13C3]butanesulfonic acid	STL02337	$^{13}C_3$-PFBS	372			1.86
	Perfluoro-1-[1,2,3-13C3]hexanesulfonic acid	STL02581	$^{13}C_3$-PFHxS	378			1.89
	Perfluoro-1-[13C8]octanesulfonic acid	STL01054	$^{13}C_8$-PFOS	382			1.91
	Perfluoro-1-[13C8]octanesulfonamide	STL01056	$^{13}C_8$-PFOSA	400			2.00
	N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid	STL02118	d_3-NMeFOSAA	1000			5.00
	N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid	STL02117	d_5-NEtFOSAA	1000			5.00
	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]hexane sulfonic acid	STL02395	$^{13}C_2$-4:2FTS	934			4.67
	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]octane sulfonic acid	STL02279	$^{13}C_2$-6:2FTS	950			4.75
	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]decane sulfonic acid	STL02280	$^{13}C_2$-8:2FTS	958			4.79
	Tetrafluoro-2-heptafluoropropoxy-13C3-propanoic acid	STL02255	$^{13}C_3$-HFPO-DA	400			2.00
	N-methyl-d7-perfluorooctanesulfonamidoethanol	STL02277	d_7-N-MeFOSE-M	1000			5.00
	N-ethyl-d9-perfluorooctanesulfonamidoethanol	STL02278	d_9-N-EtFOSE-M	1000			5.00
	N-ethyl-d5-perfluoro-1-octanesulfonamide	STL02704	d_5-NEtPFOSA	400			2.00
	N-methyl-d3-perfluoro-1-octanesulfonamide	STL02705	d_3-NMePFOSA	400			2.00
	Perfluoropropanoic acid (PFPrA) ($^{13}C_3$)	STL03194	$^{13}C_3$-PFPrA	400			2.00
1633 NIS Intermediate	Perfluoro-n-[2,3,4-13C3]butanoic acid	STL02680	$^{13}C_3$-PFBA	400	0.050		2.00
	Perfluoro-n-[1,2,3,4-13C4]octanoic acid	STL00990	$^{13}C_4$-PFOA	1000			5.00
	Perfluoro-n-[1,2-13C2]decanoic acid	STL00996	$^{13}C_2$-PFDA	400			2.00
	Perfluoro-n-[1,2,3,4-13C4]octanesulfonic acid	STL00991	$^{13}C_4$-PFOS	382			1.91
	Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	STL00995	$^{13}C_5$-PFNA	400			2.00
	Perfluoro-n-[1,2-13C2]hexanoic acid	STL00993	$^{13}C_2$-PFHxA	1000			5.00
	Perfluoro-1-hexane[18O2]sulfonic acid	STL00994	$^{18}O_2$-PFHxS	378			1.89

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Attachment 20 - Purchased Standards					
Vendor	Cat. No.	Analyte	CAS#	Acronym	Conc. (ng/ml)
Wellington	PFBA	Perfluorobutanoic acid	375-22-4	PFBA	50000
Wellington	PFPeA	Perfluoropentanoic acid	2706-90-3	PFPeA	50000
Wellington	PFHxA	Perfluorohexanoic acid	307-24-4	PFHxA	50000
Wellington	PFHpA	Perfluoroheptanoic acid	375-85-9	PFHpA	50000
Wellington	br-PFOA	Perfluorooctanoic acid	335-67-1	PFOA	50000
Wellington	br-PFNA	Perfluorononanoic acid	375-95-1	PFNA	50000
Wellington	PFDA	Perfluorodecanoic acid	335-76-2	PFDA	50000
Wellington	PFUdA	Perfluoroundecanoic acid	2058-94-8	PFUnA	50000
Wellington	MPFDOA	Perfluorododecanoic acid	307-55-1	PFDoA	50000
Wellington	PFTrDA	Perfluorotridecanoic acid	72629-94-8	PFTrDA	50000
Wellington	PFTeDA	Perfluorotetradecanoic acid	376-06-7	PFTeDA	50000
Wellington	L-PFBS	Perfluorobutanesulfonic acid	375-73-5	PFBS	44200
Wellington	L-PFPeS	Perfluoropentansulfonic acid	2706-91-4	PFPeS	46900
Wellington	br-PFHxSK	Perfluorohexanesulfonic acid	355-46-4	PFHxS	45500
Wellington	L-PFHpS	Perfluoroheptanesulfonic acid	375-92-8	PFHpS	47600
Wellington	br-PFOSK	Perfluorooctanesulfonic acid	1763-23-1	PFOS	46600
Wellington	L-PFNS	Perfluorononanesulfonic acid	68259-12-1	PFNS	48000
Wellington	L-PFDS	Perfluorodecanesulfonic acid	335-77-3	PFDS	48200
Wellington	L-PFDoS	Perfluorododecanesulfonic acid	79780-39-5	PFDoS	48400
Wellington	4;2 FTS	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	4:2-FTS	46700
Wellington	6;2 FTS	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	6:2-FTS	47400
Wellington	8;2 FTS	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	8:2-FTS	47900
Wellington	br-FOSA	Perfluorooctanesulfonamide	754-91-6	PFOSA	50000
Wellington	br-NMeFOSA	N-methyl perfluorooctanesulfonamide	31506-32-8	NMeFOSA / N-MePFOSA	50000
Wellington	br-NEtFOSA	N-ethyl perfluorooctanesulfonamide	4151-50-2	NEtFOSA / N-EtPFOSA	50000
Wellington	br-NMeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9	NMeFOSAA	50000
Wellington	br-NEtFOSAA	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NEtFOSAA	50000
Wellington	br-NMeFOSE	N-methyl perfluorooctanesulfonamidoethanol	24448-09-7	NMePFOSAE / NMeFOSE	50000
Wellington	br-NEtFOSE	N-ethyl perfluorooctanesulfonamidoethanol	1691-99-2	NEtPFOSAE / NEtFOSE	50000
Wellington	HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6	HFPO-DA / GenX	50000
Wellington	NaDONA	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	ADONA	47100
Wellington	PFEESA	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	PFEESA / PES	44500
Wellington	PF4OPeA	Perfluoro-3-methoxypropanoic acid	377-73-1	PFMPA / PFECA F	50000
Wellington	PF5OHxA	Perfluoro-4-methoxybutanoic acid	863090-89-5	PFMBA / PFECA A	50000
Wellington	3,6-OPFHpA	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NFDHA / PFECA B	50000
Wellington	9Cl-PF3ONS	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	756426-58-1	9Cl-PF3ONS	46600
Wellington	11Cl-PF3OUdS	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	11Cl-PF3OUdS	47100
Wellington	FPrPA	3-Perfluoropropyl propanoic acid	356-02-5	3:3 FTCA	50000
Wellington	FPePA	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	5:3 FTCA	50000
Wellington	FHpPA	3-Perfluoroheptyl propanoic acid	812-70-4	7:3 FTCA	50000
Wellington	PFECHS	Perfluoro-4-ethylcyclohexanesulfonate	335-24-0	PFECHS	46100
Wellington	FBSA-I	Perfluoro-1-butanesulfonamide	30334-69-1	FBSA	50000
Wellington	FHxSA-I	Perlfuoro-1-hexanesulfonamide	41997-13-1	FHxSA	50000
Wellington	PFPrA	Perfluoropropanoic acid	422-64-0	PFPrA / PPF Acid	50000
Wellington	PFODA	Perfluoro-n-octadecanoic acid	16517-11-6	PFODA	50000
AccuStandard	PFOS-030S	Bis(trifluoromethylsulfonyl)amine	82113-65-3	TFSI	97900
Wellington	MPFBA	Perfluoro-n-[13C4]butanoic acid	STL00992	$^{13}C_4$-PFBA	50000
Wellington	M5PFPeA	Perfluoro-n-[13C5]pentanoic acid	STL01893	$^{13}C_5$-PFPeA	50000
Wellington	M5PFHxA	Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid	STL02577	$^{13}C_5$-PFHxA	50000
Wellington	M4PFHpA	Perfluoro-n-[1,2,3,4-13C4]heptanoic acid	STL01892	$^{13}C_4$-PFHpA	50000
Wellington	M8PFOA	Perfluoro-n-[13C8]octanoic acid	STL01052	$^{13}C_8$-PFOA	50000
Wellington	M9PFNA	Perfluoro-n-[13C9]nonanoic acid	STL02578	$^{13}C_9$-PFNA	50000
Wellington	M6PFDA	Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid	STL02579	$^{13}C_6$-PFDA	50000
Wellington	M7PFUdA	Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid	STL02580	$^{13}C_7$-PFUnA	50000
Wellington	MPFDoA	Perfluoro-n-[1,2-13C2]dodecanoic acid	STL00998	$^{13}C_2$-PFDoA	50000
Wellington	M2PFTeDA	Perfluoro-n-[1,2-13C2]tetradecanoic acid	STL02116	$^{13}C_2$-PFTeDA	50000
Wellington	M3PFBS	Perfluoro-1-[2,3,4-13C3]butanesulfonic acid	STL02337	$^{13}C_3$-PFBS	46500
Wellington	M3PFHxS	Perfluoro-1-[1,2,3-13C3]hexanesulfonic acid	STL02581	$^{13}C_3$-PFHxS	47300
Wellington	M8PFOS	Perfluoro-1-[13C8]octanesulfonic acid	STL01054	$^{13}C_8$-PFOS	47800
Wellington	M8FOSA-I	Perfluoro-1-[13C8]octanesulfonamide	STL01056	$^{13}C_8$-PFOSA	50000
Wellington	d3-N-MeFOSAA	N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid	STL02118	d_3-NMeFOSAA	50000
Wellington	d5-N-EtFOSAA	N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid	STL02117	d_5-NEtFOSAA	50000
Wellington	M2-4;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]hexane sulfonic acid	STL02395	$^{13}C_2$-4:2FTS	46700
Wellington	M2-6;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]octane sulfonic acid	STL02279	$^{13}C_2$-6:2FTS	47500
Wellington	M2-8;2FTS	1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]decane sulfonic acid	STL02280	$^{13}C_2$-8:2FTS	47900
Wellington	M3HFPO-DA	Tetrafluoro-2-heptafluoropropoxy-13C3-propanoic acid	STL02255	$^{13}C_3$-HFPO-DA	50000
Wellington	d7-N-MeFOSE-M	N-methyl-d7-perfluorooctanesulfonamidoethanol	STL02277	d_7-N-MeFOSE-M	50000
Wellington	d9-N-EtFOSE-M	N-ethyl-d9-perfluorooctanesulfonamidoethanol	STL02278	d_9-N-EtFOSE-M	50000
Wellington	d-N-MeFOSA-M	N-ethyl-d5-perfluoro-1-octanesulfonamide	STL02704	d_5-NEtPFOSA	50000
Wellington	d-N-EtFOSA-M	N-methyl-d3-perfluoro-1-octanesulfonamide	STL02705	d_3-NMePFOSA	50000
Cambridge Isotope	CLM-11324-A-1.2	Perfluoropropanoic acid (PFPrA) ($^{13}C_3$)	STL03194	$^{13}C_3$-PFPrA	50000
Wellington	M3PFBA	Perfluoro-n-[2,3,4-13C3]butanoic acid	STL02680	$^{13}C_3$-PFBA	50000
Wellington	MPFOA	Perfluoro-n-[1,2,3,4-13C4]octanoic acid	STL00990	$^{13}C_4$-PFOA	50000
Wellington	MPFDA	Perfluoro-n-[1,2-13C2]decanoic acid	STL00996	$^{13}C_2$-PFDA	50000
Wellington	MPFOS	Perfluoro-n-[1,2,3,4-13C4]octanesulfonic acid	STL00991	$^{13}C_4$-PFOS	47800
Wellington	MPFNA	Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	STL00995	$^{13}C_5$-PFNA	50000
Wellington	MPFHxA	Perfluoro-n-[1,2-13C2]hexanoic acid	STL00993	$^{13}C_2$-PFHxA	50000
Wellington	MPFHxS	Perfluoro-1-hexane[18O2]sulfonic acid	STL00994	$^{18}O_2$-PFHxS	47300
Wellington	M2PFOA	Perfluoro-n-(1,2-13C2)octanoic acid	STL00623	$^{13}C_2$-PFOA	50000
Wellington	MPFUdA	Perfluoro-n-(1,2-13C2)undecanoic acid	STL00997	$^{13}C_2$-PFUnA	50000
Wellington	M3PFPeA	Perfluoro-n-(3,4,5-13C3)pentanoic acid	STL03269	$^{13}C_3$-PFPeA	50000
Sigma Aldrich	T0557-500MG	Taurodeoxycholic acid	516-50-7	TDCA	neat
Sigma Aldrich	T6260-1G	Taurochenodeoxycholic acid	516-35-8	TCDCA	neat
Calbiochem	580549-1GM	Tauroursodeoxycholic acid	14605-22-2	TUDCA	neat

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Table 7. IPR/OPR/LLOPR Acceptance Limits for Target Analytes in Solid, Biosolid, and Tissue Matrices

	Solid and Biosolid Matrices[1]			Tissue Matrix[1]		
	IPR			IPR		
Compound	Mean Recovery (%)	RSD (%)	OPR/LLOPR Recovery (%)	Mean Recovery (%)	RSD (%)	OPR/LLOPR Recovery (%)
PFBA	70 - 140	17	70 - 140	70 - 135	20	60 - 140
PFPeA	70 - 140	26	60 - 150	70 - 130	20	60 - 145
PFHxA	70 - 135	23	65 - 140	70 - 140	20	60 - 160
PFHpA	70 - 140	21	65 - 145	70 - 140	20	60 - 145
PFOA	70 - 140	23	70 - 150	70 - 130	25	60 - 150
PFNA	65 - 145	24	70 - 155	70 - 140	20	60 - 145
PFDA	70 - 145	26	70 - 155	70 - 135	20	60 - 150
PFUnA	70 - 145	26	70 - 155	70 - 135	20	60 - 155
PFDoA	70 - 145	25	70 - 150	70 - 135	20	60 - 140
PFTrDA	55 - 160	26	65 - 150	55 - 160	20	60 - 150
PFTeDA	70 - 145	24	65 - 150	70 - 140	25	60 - 140
PFBS	60 - 145	25	65 - 145	70 - 145	20	60 - 150
PFPeS	65 - 140	29	55 - 160	70 - 150	20	60 - 145
PFHxS	65 - 145	28	60 - 150	70 - 140	25	60 - 155
PFHpS	70 - 140	27	65 - 155	70 - 145	20	60 - 140
PFOS	70 - 135	27	65 - 160	70 - 135	30	60 - 160
PFNS	70 - 140	27	55 - 140	60 - 130	20	45 - 140
PFDS	50 - 150	31	40 - 155	55 - 135	20	50 - 140
PFDoS	40 - 140	40	25 - 160	25 - 145	45	25 - 140
4:2FTS	70 - 135	27	60 - 150	65 - 140	30	55 - 150
6:2FTS	60 - 160	50	55 - 200	70 - 140	25	60 - 150
8:2FTS	70 - 140	27	70 - 150	70 - 150	25	60 - 170
PFOSA	70 - 140	19	70 - 140	70 - 140	20	60 - 150
NMeFOSA	65 - 145	26	70 - 155	70 - 140	30	60 - 160
NEtFOSA	70 - 135	19	70 - 140	70 - 140	40	60 - 150
NMeFOSAA	65 - 145	31	65 - 155	70 - 140	20	60 - 145
NEtFOSAA	60 - 150	31	65 - 165	70 - 140	25	60 - 145
NMeFOSE	70 - 140	19	70 - 140	60 - 150	20	40 - 180
NEtFOSE	70 - 135	17	70 - 135	70 - 145	40	60 - 205
HFPO-DA	70 - 140	25	70 - 145	70 - 140	25	60 - 145
ADONA	70 - 155	26	70 - 160	70 - 145	20	55 - 165
PFMPA	70 - 140	25	30 - 140	70 - 145	40	25 - 145
PFMBA	55 - 145	33	60 - 150	70 - 140	20	60 - 150
NFDHA	45 - 145	27	60 - 155	70 - 155	30	60 - 180
9Cl-PF3ONS	65 - 135	23	70 - 150	70 - 140	20	60 - 170
11Cl-PF3OUdS	50 - 135	31	45 - 160	65 - 140	20	50 - 170
PFEESA	70 - 140	20	70 - 140	70 - 145	25	50 - 150
3:3FTCA	45 - 155	32	45 - 130	55 - 130	25	30 - 140
5:3FTCA	70 - 135	28	60 - 130	70 - 145	20	60 - 160
7:3FTCA	70 - 145	39	60 - 150	70 - 155	20	60 - 200

[1] The recovery limits apply to the target analyte results for IPR, OPR, and LLOPR samples for solid, biosolids, and tissue matrices. Data were derived from the multi-laboratory validation study and are therefore the limits required for this method.

Table 8. Acceptance Limits for EIS and NIS Compounds in Soil-Sediment, Tissue, and Biosolid Matrices and Associated QC Samples

EIS Compound[1]	Soil/Sediment Samples[2] Recovery (%)	Tissue Samples[2] Recovery (%)	Biosolid Samples[2] Recovery (%)
$^{13}C_4$-PFBA	8[3] - 130	5[3] - 130	5[3] - 130
$^{13}C_5$-PFPeA	35 - 130	10 - 185	35 - 130
$^{13}C_5$-PFHxA	40 - 130	25 - 170	40 – 130
$^{13}C_4$-PFHpA	40 - 130	25 - 150	40 – 130
$^{13}C_8$-PFOA	40 - 130	25 - 150	40 – 130
$^{13}C_9$-PFNA	40 - 130	35 - 185	40 – 145
$^{13}C_6$-PFDA	40 - 130	30 - 150	40 – 130
$^{13}C_7$-PFUnA	40 - 130	30 - 180	40 – 130
$^{13}C_2$-PFDoA	40 - 130	35 - 180	40 – 130
$^{13}C_2$-PFTeDA	20 - 130	20 - 160	10 - 160
$^{13}C_3$-PFBS	40 - 135	25 - 190	40 - 150
$^{13}C_3$-PFHxS	40 - 130	35 - 175	40 - 140
$^{13}C_8$-PFOS	40 - 130	40 - 160	40 - 130
$^{13}C_2$-4:2FTS	40 - 165	30 - 300	40 - 300
$^{13}C_2$-6:2FTS	40 - 215	35 - 300	40 - 300
$^{13}C_2$-8:2FTS	40 - 275	40 - 365	40 - 300
$^{13}C_8$-PFOSA	40 - 130	25 - 180	20 - 140
D_3-NMeFOSA	10 - 130	5[4] - 130	20 - 130
D_5-NEtFOSA	10 - 130	5[4]- 130	20 - 130
D_3-NMeFOSAA	40 - 135	30 - 250	30 – 150
D_5-NEtFOSAA	40 - 150	30 - 235	20 - 140
D_7-NMeFOSE	20 - 130	5[4] - 160	25 - 130
D_9-NEtFOSE	15 - 130	5[4] - 130	20 - 130
$^{13}C_3$-HFPO-DA	40 - 130	20 - 185	40 - 130
$^{13}C_3$-PFBA	50 - 200	50 - 200	50 - 200
$^{13}C_2$-PFHxA			
$^{13}C_4$-PFOA			
$^{13}C_5$-PFNA			
$^{13}C_2$-PFDA			
$^{18}O_2$-PFHxS			
$^{13}C_4$-PFOS			

[1] Limits apply to the EIS and NIS recoveries from samples of all solid, biosolid, and tissue matrices.

[2] The recovery limits for the EIS compounds were derived by EPA from the solid, tissue, and biosolids sample data from multi-laboratory validation study. To simplify laboratory operations, EPA has applied the same EIS recovery limits used for field sample analyses to the EIS recoveries in the method blank, IPR, OPR, and LLOPR samples. There are no IPR mean or RSD criteria for the EIS compounds.

[3] Recovery of $^{13}C_4$-PFBA, can be problematic in some soil, tissue, and biosolids samples. Although the lower limits for recovery for these EISs are set below 10%, laboratories should routinely track recoveries of these EISs and take reasonable steps to ensure that recoveries are at least 10% in the majority of samples.

[4] Recoveries of D_3-NMeFOSA, D_5-NEtFOSA, D_7-NMeFOSE, and D_9-NEtFOSE can be problematic in tissue samples. The 5% the lower limit for recovery for these EISs may not be achievable for all laboratories in tissue samples. Any result associated with an EIS recovery below 5% should be considered estimated.

APPENDIX G

Community Air Monitoring Plan

New York State Department of Health (NYSDOH)
Generic Community Air Monitoring Plan (CAMP)

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., offsite receptors including residences and businesses and onsite workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination offsite through the air.

The generic CAMP presented below will be sufficient to cover many, if not most sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical-specific monitoring with appropriately sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

VOCs must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.
4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.
3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative - pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m_3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m_3 or less at the monitoring point.

- Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.

Special Requirements for Indoor Work with Co-Located Residences or Facilities
Unless a self -contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated above under “Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures” except that in this instance “nearby/occupied structures” would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities. Additionally, it is strongly recommended that the planned work be implemented during hours (e.g. weekends or evenings) when building occupancy is at a minimum.

APPENDIX H

Site Health and Safety Plan

Site-Specific Health and Safety Plan

2828 West 28th Street
Brooklyn, New York

October 9, 2025

Prepared for:

Gilbane Development Company
Wall Street Plaza
88 Pine Street
New York, New York 10005

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
209 Shafter Street
Islandia, New York 11749

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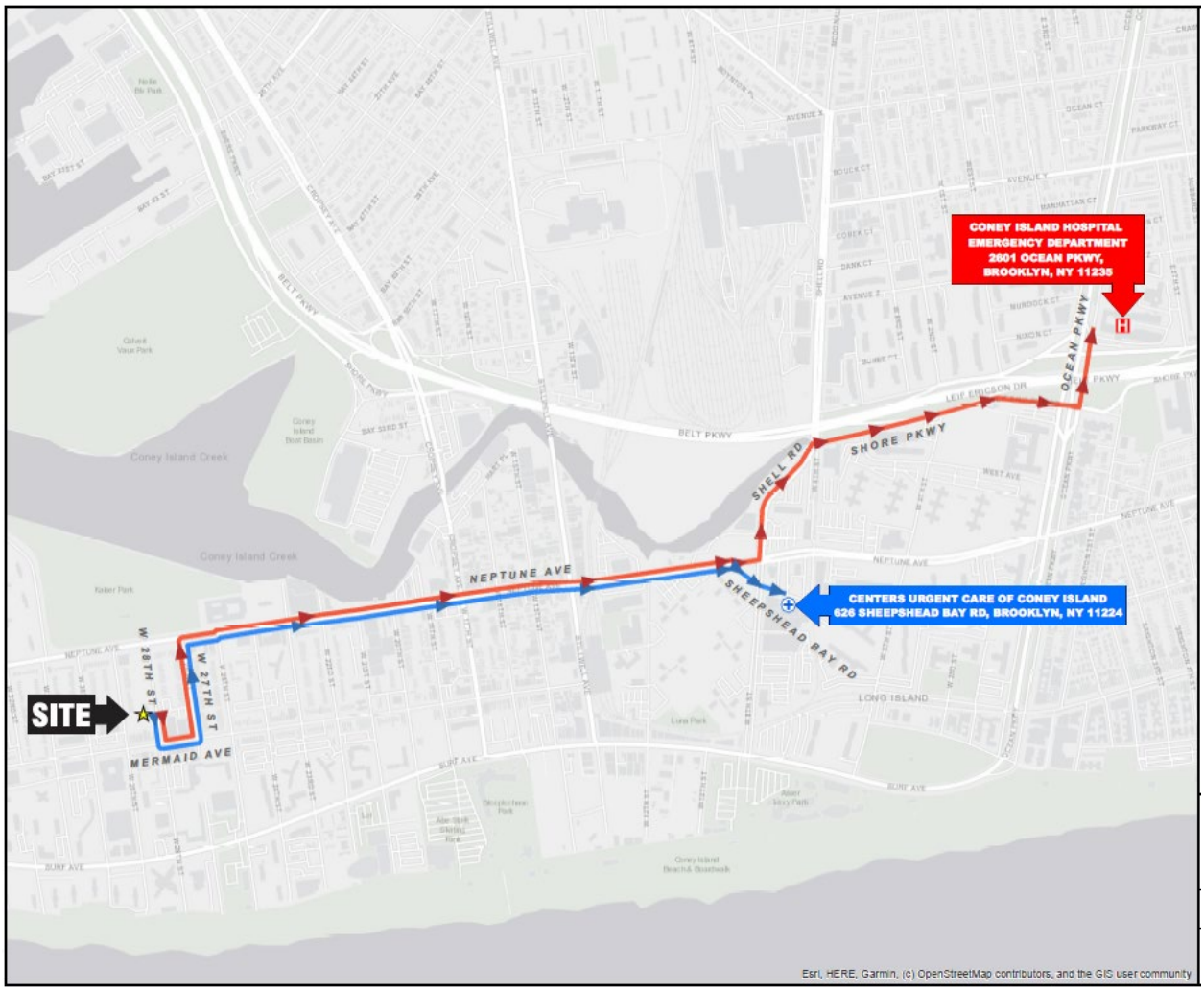
Site-Specific Emergency Information

Emergency Phone Numbers

Most emergency services can be obtained by calling **911**. Where 911 service is not available, use the telephone numbers provided in the below table. The following is a master emergency phone list for use by the project management personnel. A more condensed version of the emergency numbers listed below will be posted throughout project work areas. Emergencies encountered on the site will be responded to by a combination of off-site emergency services and on-site personnel.

Emergency Contact Information			
Site Personnel			
Title	**Contact**		**Telephone**
Operations Manager (OM)	Jeff Wills		516-637-0213
Project Principal (PP)	Frank Cherena		631-445-0357
Project Manager (PM)	Lauren Dolginko		631-697-2773
Site Supervisor (SS)	Sarah Stern		914-806-4278
Site Health and Site Safety Officer (SHSO)	Varies		-
Office Health and Safety Manager (OHSM)	Nevin Pahlad		347-885-6930
Corporate Health and Safety Director (CHSD)	Brian Hobbs, CIH, CSP		631-807-0193
Occupational Health Care Management Provider	WorkCare, Inc.		888-449-7787
Client Emergency Contact	Alexander Marte		917-603-8424
Outside Assistance			
Agency	**Contact**	**Telephone**	**Address/Location**
Police	NYPD 60th Precinct	718-946-3311	2951 W 8th Street, Brooklyn, NY
Fire	FDNY Engine 318/Ladder 166	718-965-8318	2510 Neptune Ave, Brooklyn, NY
Site Address	2828 W 28th Street, Brooklyn, NY, 11224		

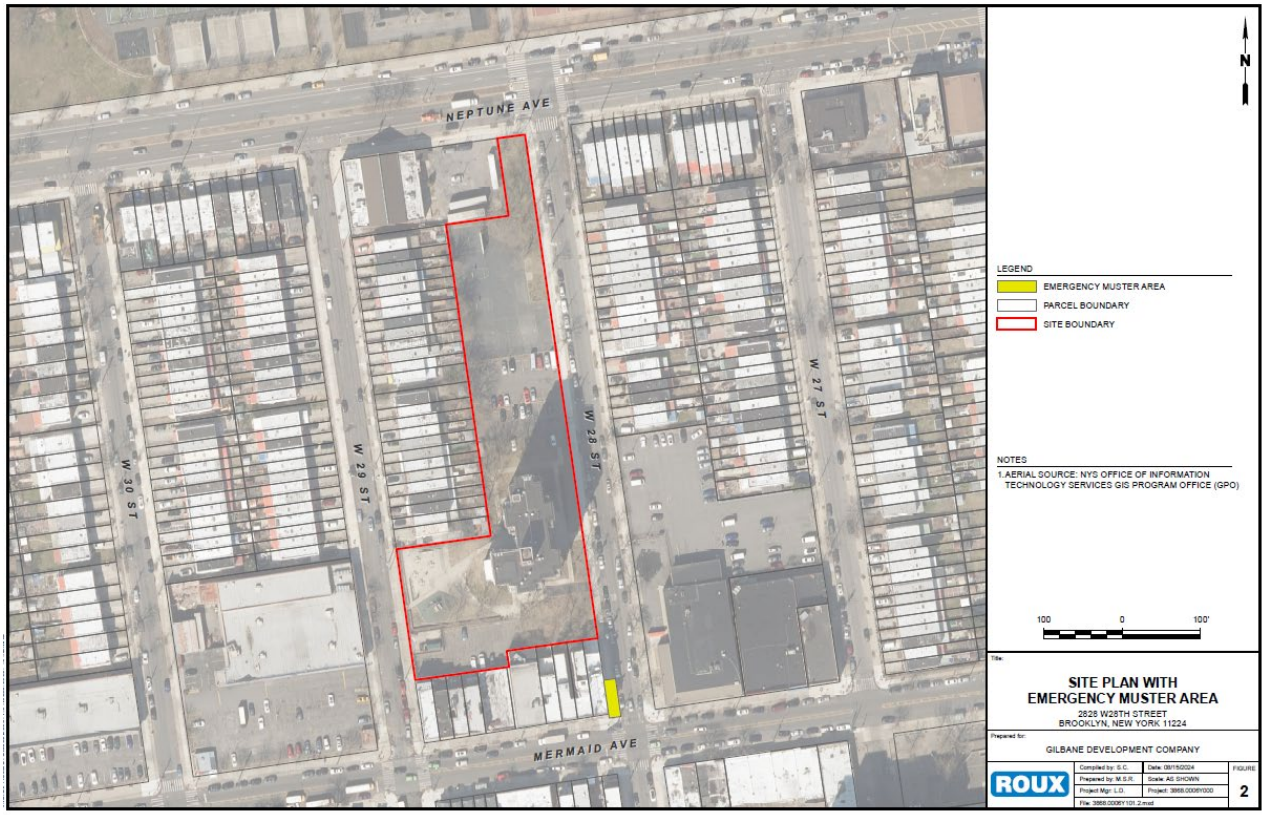


HOSPITAL ADDRESS: **2601 Ocean Pkwy, Brooklyn, NY 11235**

- Head South on W 28th St toward Mermaid Ave
- Turn left onto Mermaid Ave
- Turn Left onto W 27th St
- Turn Right onto Neptune Ave
- Turn left onto Shell Rd
- Turn Right onto Shore Pkwy
- Turn Left onto Ocean Parkway and destination will be on the right.

URGENT CARE ADDRESS **626 Sheepshead Bay Rd, Brooklyn, NY 11224**

- Head South on W 28th St toward Mermaid Ave
- Turn left onto Mermaid Ave
- Turn Left onto W 27th St
- Turn Right onto Neptune Ave
- Turn Right onto Sheepshead Bay Road and destination will be on the right.



1. Introduction

This Site-specific Health and Safety Plan (HASP) has been prepared by Roux Associates, Inc. (Roux) for use during the Remedial Investigation (RI) at the Sea Park North (Site) located at 2828 West 28th Street, Brooklyn, New York 11224 (Site; **Figure 1**). This HASP was prepared in general accordance with the requirements of the Occupational Safety and Health Administration (OSHA) standards promulgated at 29 CFR 1910.120 and 29 CFR 1926.65, both commonly referred to as the Hazardous Waste Operations and Emergency Response (HAZWOPER) Standard. In accordance with the HAZWOPER Standard, this Site-specific HASP was prepared to address the safety and health hazards associated with the soil, water, and soil vapor sampling activities being performed at the Site by Roux and to provide requirements and procedures for the protection of Roux employees, subcontractor personnel, government oversight personnel, Site personnel, and the general public. It also addresses client- and Site-specific requirements for health and safety. Additionally, subcontractors may be required to submit their own HASP as it relates to their specific work activities and will be kept onsite during such work.

Implementation of this HASP is the joint responsibility of the Project Manager (PM), the Site Health and Safety Officer (SHSO), and all field staff, with assistance from the Project Principal (PP), Office Health and Safety Manager (OHSM), and Corporate Health and Safety Director (CHSD). The PM for this project is Lauren Dolginko. The Site Supervisor (SS) and Site Health and Safety Officer (SHSO) will be determined at a later date.

This HASP will be introduced to, reviewed, and signed off on by all Roux personnel through a formal training session prior to commencing work. A copy of the HASP will be kept at the Site at all times. The Roux SHSO or PM will be responsible for posting any changes, amendments, memos, etc. to the HASP. Any revisions to this HASP will be signed by appropriate personnel, which can include Roux's PP, CHSD, and SS. Any changes will be announced to all workers at the next safety meeting.

1.1 Roles and Responsibilities

Overall Roles and Responsibilities (R&Rs) of Roux personnel are provided in Roux's Policies and Procedures Manual. Only those R&Rs specific to HASP requirements are listed below.

Project Manager (PM)

The PM has responsibility and authority to direct all work operations. The PM coordinates safety and health functions with the Site Health and Safety Officer (SHSO), has the authority to oversee and monitor the performance of the SHSO, and bears ultimate responsibility for the proper implementation of this HASP. The specific duties of the PM are:

- Preparing and coordinating the Site work plan;
- Providing Site supervisor(s) with work assignments and overseeing their performance; Coordinating safety and health efforts with the SSHO;
- Ensuring effective emergency response through coordination with the Emergency Response Coordinator (ERC); and
- Serving as primary Site liaison with public agencies and officials and Site contractors.

Site Health and Safety Officer (SHSO)

The SHSO has the full responsibility and authority to develop and implement this HASP and to verify compliance. The SHSO reports to the Project Manager. The SHSO is on Site or readily accessible to the Site during all work operations and has the authority to halt Site work if unsafe conditions are detected. The specific responsibilities of the SHSO include:

- Managing the safety and health functions on this Site;
- Serving as the Site's point of contact for safety and health matters;
- Ensuring Site monitoring, worker training, and effective selection and use of PPE;
- Assessing Site conditions for unsafe acts and conditions and providing corrective action;
- Assisting the preparation and review of this HASP;
- Maintaining effective safety and health records as described in this HASP; and
- Coordinating with the SS and others as necessary for safety and health efforts.

Site Supervisor (SS)

The Site Supervisor (SS) is responsible for field operations and reports to the Project Manager (PM). The SS ensures the implementation of the HASP requirements and procedures in the field. The specific responsibilities of the Site Supervisor include:

- Executing the work plan and schedule as detailed by the PM;
- Coordination with the SHSO on safety and health; and
- Ensuring Site work compliance with the requirements of this HASP.

Employees

All Roux employees are responsible for reading and following all provisions of the Corporate Health and Safety Manual, including this HASP. Employees report to the SS at the project Site. Each employee is also responsible for the following:

- Wearing all appropriate PPE as outlined within this HASP;
- Attending all safety meetings;
- Inspecting tools and equipment prior to use, and taking any defective tools or equipment out of service;
- Appropriately documenting field events as they occur within a logbook or equivalent;
- Properly operating machinery and/or equipment only if trained to do so;
- Stopping work operations if unsafe conditions exist;
- Identifying and mitigating hazards when observed;
- Reporting all incidents and near misses to the Roux SHSO and SS immediately; and
- Knowing where emergency equipment is located (e.g., first aid kit, fire extinguisher).

Subcontractors and Visitors

Subcontractors and visitors are responsible for complying with the same health and safety requirements. It is the responsibility of all to make sure subcontractors and visitors comply and uphold the HASP. Subcontractors and visitors have the following additional responsibilities:

- Designating a qualified safety representative for the project that can make the necessary changes in work practices, as necessary;
- Attending all safety meetings while participating in Roux Site work activities;
- Reporting all incidents and near misses to Roux SHSO and SS immediately;
- Conducting initial and periodic equipment inspections in accordance with manufacturer and regulatory guidelines; and
- Providing copies of all Safety Data Sheets (SDS) to Roux SHSO for materials brought to the Site.

2. Background

Relevant background information is provided below, including; a general description of the Site, a brief review of the Site's history with respect to hazardous material use, handling and/or storage, and a review of known and potential releases of hazardous substances at the Site.

The Site is located on the western side of Coney Island and is currently in use as a parking lot for a 15-story 100% affordable housing building that occupies the southern portion of the property. The area to be investigated contains a parking lot used by tenants of the apartment building, as well as basketball courts on the north end of the property. These areas are fenced in, with a fence dividing the parking lot from the courts. The site is located less than a block from Kaiser Park and the mouth of Coney Island Creek. Historically, the Site was used for residential and commercial stores beginning in 1930, and then in 1977 the Site, as seen on a Certified Sanborn Map, is depicted as it exists today.

There are no recorded spills or additional hazards associated with disposal of materials on site, though there is a record of an on-Site Petroleum Bulk Storage UST that is estimated to have been closed in place in 2005, although no record exists of this closure.

3. Scope of Work

The activities performed on Site will be consistent with the RIWP approved by NYSDEC. This work will involve the following: advancement of ten soil borings and the collection of soil samples, sampling of three existing permanent groundwater wells, and the installation of three soil vapor points and collection of soil vapor samples. All boring locations will be precleared by hand up to five feet bls.

4. Site Control

This Site control program is designed to reduce the spread of hazardous substances from contaminated areas to clean areas, to identify and isolate contaminated areas of the Site, to facilitate emergency evacuation and medical care, to prevent unauthorized entry to the Site, and to deter vandalism and theft.

4.1 Site Map

A map of this Site, showing Site boundaries, designated work zones, and points of entry and exit is provided in **Figure 2**.

4.2 Site Access

Access to the work areas at the Site is restricted to reduce the potential for exposure to its safety and health hazards. During hours of Site operation, Site entry and exit is authorized only at the points identified in **Figure 2**. Entry and exit at these points is controlled by the following: a motorized gate that permits entry to the apartment parking lot on W 28th Street. When the Site is not operating, access to the Site is controlled by the following: on site security and locked gate.

4.3 Buddy System

This section is not applicable for all components of the SOW described in Section 3. Some Site inspections, subcontractor oversight of drilling, soil sampling, soil vapor sampling, and groundwater sampling are completed by a single Roux employee. However, when completing these tasks, the single Roux employee is accompanied either by Roux subcontractors or the Site caretaker/other representatives from Sea Park North GTH LLC (Sea Park North GTH). Any time Roux is on-Site, Sea Park North GTH is made aware and communications with Sea Park North GTH and the Roux PM is maintained via cellular phone."

While working in the Exclusion Zone, Site workers use the buddy system. The buddy system means that personnel work in pairs and stay in close visual contact to be able to observe one another and summon rapid assistance in case of an emergency. The responsibilities of workers using the buddy system include:

- Remaining in close visual contact with partner;
- Providing partner with assistance as needed or requested;
- Observing partner for signs of heat stress, chemical overexposure or other difficulties;
- Periodically checking the integrity of partner's PPE; and
- Notifying the SS or other Site personnel if emergency assistance is needed.

4.4 Site Communications

The following communication equipment is used to support on-site communication: cell phones and visual hand signals.

As applicable, hand signals will be used according to the following:

Hand Signals

SIGNAL	MEANING
Hand gripping throat	Out of air, cannot breathe
Grip partner's wrist	Leave area immediately
Hands on top of head	Need assistance
Thumbs up	I am all right, okay
Thumbs down	No, negative

A current list of emergency contact numbers is included in the Site-Specific Emergency Information at the beginning of this HASP.

4.5 Site Work Zones

This Site is divided into three (3) major zones, described below. These zones are characterized by the likely presence or absence of biological, chemical, or physical hazards and the activities performed within them. Zone boundaries are clearly marked at all times and the flow of personnel among the zones is controlled. The Site is monitored for changing conditions that may warrant adjustment of zone boundaries. Zone boundaries are adjusted as necessary to protect personnel and clean areas. Whenever boundaries are adjusted, zone markings are also changed and workers are immediately notified of the change.

Exclusion Zone

The area where contamination exists is the Exclusion Zone (EZ). All areas where excavation and handling of contaminated materials take place are considered part of the EZ. This zone will be clearly delineated by chain link fencing, caution tape, cones or other effective barriers, as necessary. Safety tape may be used as a secondary delineation within the EZ. The zone delineation markings may be opened in areas for varying lengths of time to accommodate equipment operation or specific construction activities. The SHSO may establish more than one EZ where different levels of protection may be employed or where different hazards exist. Personnel are not allowed in the EZ without:

- A buddy (co-worker);
- Required minimum level PPE;
- Medical authorization;
- Training certification; and
- Requirement to be in the zone.

Contamination Reduction Zone

A Contamination Reduction Zone (CRZ) is established between the exclusion zone and the support zone. The CRZ contains the Contamination Reduction Corridor (CRC) and provides an area for decontamination

of personnel and equipment. The CRZ will be used for general Site entry and egress in addition to access for heavy equipment and emergency support services. Personnel are not allowed in the CRZ without:

- A buddy (co-worker);
- Appropriate PPE;
- Medical authorization;
- Training certification; and
- Requirement to be in the zone.

Support Zone

The Support Zone (SZ) is an uncontaminated area that will be the field support area for the Site operations. The SZ will contain the equipment used by the drilling subcontractor and Roux staff to safely and effectively perform the work. Appropriate sanitary facilities and safety equipment will be located in this zone. Potentially contaminated personnel or materials are not allowed in this zone. The only exception will be appropriately packaged/decontaminated and labeled samples.

5. Job Hazard Evaluation

Roux's work at the Site is expected to entail a variety of physical, chemical, and biological hazards, all of which must be sufficiently managed to allow the work to be performed safely. Some of the hazards are Site-specific (i.e., they are associated with the nature, physical characteristics, and/or routine operation of the Site itself), while others are activity-specific (i.e., they are associated with [or arise from] the particular activity being performed). The various hazards can be grouped into the following categories:

- **Caught/Crushed** – the potential to become caught in, under, between, or by an object or parts of an object, such as equipment with parts that open and close or move up and down ("pinch points") or equipment that rotates, and the accompanying potential to have body parts cut, mangled, or crushed thereby.
- **Contact** – the potential to be struck by or against moving or stationary objects that can cause physical injury, such as heavy machinery, overhead piping, moving vehicles, falling objects, and equipment (including tools and hand-held equipment) or infrastructure with the ability to cut or impale.
- **Energy Sources** – the potential for bodily harm associated with energy sources, most notably electricity, but also including latent energy sources such as compressed air and equipment under tension (which when released could cause injurious contact or a fall).
- **Ergonomics** – the potential for musculoskeletal injury associated with lifting/carrying, pushing/pulling, bending, reaching, and other physical activity attributable to poor body position/mechanics, repetitive motion, and/or vibration.
- **Exposure** – the potential for injury/illness due to physical, chemical, or biological exposures in the work environment, including, but not limited to, temperature extremes, solar radiation, and noise (physical), chemical splashes and hazardous atmospheres (chemical), and animal/insect bites and poisonous plants (biological).
- **Falls** – the potential to slip or trip and thus fall or drop a load, resulting in bodily injury to oneself or others.

The foregoing is intended to provide Roux employees with a general awareness of the hazards involved with Site work. A more detailed review of the potential hazards associated with each specific activity planned for the Site (or on-going activity, as the case may be) is provided in the activity-specific Job Safety Analysis (JSA) forms in **Appendix A**. As can be seen in the JSA forms, the hazards are identified by category per the above, and specific measures designed to mitigate/manage those hazards are also identified. In preparing the JSA forms, all categories of hazards were considered, and all anticipated potential hazards were identified to the extent possible based on the experience of the personnel preparing and reviewing the JSA forms. However, there is always the possibility for an unanticipated hazard to arise, potentially as condition change over the course of the workday. Roux personnel must maintain a continual awareness of potential hazards in the work zone, regardless of whether the hazard is identified in the JSA form. Particular attention should be paid to hazards associated with exposure to hazardous substances (see **Table 1** for a listing of the hazardous substances most likely to be encountered in environmental media at the Site) and to Site personnel being located "in the line of fire" with respect to moving equipment, pinch points, and latent energy (e.g., being located or having body parts located within the swing radius of an excavator, between two sections of pipe being connected, below a piece of suspended equipment, or adjacent to a compressed air line).

5.1 Hazard Communication and Overall Site Information Program

The information in the JSAs and SDSs is made available to all employees and subcontractors who could be affected by it prior to the time they begin their work activities.

Modifications to JSAs are communicated during routine pre-work briefings, and periodically updated as needed in the HASP. SDSs will be maintained by the SHSO/SS for new chemicals brought on-site as needed. Copies of SDSs can be found in **Appendix B**.

5.2 Noise

Noise is associated with the operation of heavy equipment, power tools, pumps, and generators. Noise is also a potential hazard when working near operating equipment such as excavators, drill rigs or pole drivers. High noise (i.e., < 85 dBA) operations may be evaluated by the SHSO utilizing a type 2 handheld sound level meter (SLM) operating on the "A"-weighted scale with slow response because this scale most closely resembles human response to noise and complies with OSHA 29 CFR 1910.95. Hearing protection is required in areas with noise exposure greater than 85 dBA. Double hearing protection (ear plugs and earmuffs) should be donned in areas where the noise exposure is more than 95 dBA. Noise exposure will be controlled by hearing protection as described above or by maintaining set-backs from high-noise equipment, as warranted. Personnel handling heavy equipment and using power tools that produce noise levels exceeding those described levels above are required by OSHA 29 CFR 1910.95 to wear the appropriate Noise Reduction Rating (NRR) level of hearing protection. Appropriate hearing protection will be evaluated by the SHSO as necessary in consultation with the OHSM and CHSD.

5.3 Slip, Trip, and Fall Hazards

Slip, trip, and fall hazards may include, but are not limited to, general slip and trip hazards associated with uneven ground, possible debris, wet grass, and equipment. Prior to work, walking paths will be assessed for solid footings, any ground penetrations that may cause a tripping hazard will be appropriately marked, and other areas will be noted and discussed with the field team.

Personnel shall be aware of their surroundings and footings at all time, and all accommodations should be made for proper housekeeping and organized equipment placement at the Site, where possible, to help prevent any slip, trip, and fall-related incidents. All tools and materials should be appropriately stored when not in use and placed in appropriate storage containers.

5.4 Biological Hazards

Biological hazards that may potentially be present at a Site, include poisonous plants, insects (ticks, spiders, bees), animals (snakes, dogs), etc. Information on biological hazards can be found within Roux's Biological Hazard Awareness Management Program located within Roux's Corporate Health and Safety Manual. There is also potential for transmission and/or exposure to SARS-CoV-2, the virus that causes COVID-19. Prior to beginning work, on-Site protocols shall be established by the project team, including subcontractors, in accordance with federal, state, county, city, and/or other guidance, as applicable.

6. Emergency Response Plan

This emergency response plan details actions to be taken in the event of Site emergencies. The PM and SHSO are responsible for the implementation of emergency response procedures onsite. The SHSO/PM provides specific direction for emergency action based upon information available regarding the incident and response capabilities and initiates emergency procedures and notification of appropriate authorities. In the event of an emergency, Site personnel are evacuated and do not participate in emergency response activities, response is facilitated through external emergency services.

6.1 Emergency Response

The SHSO, after investigating the incident and relevant information, shall determine the level of response required for containment, rescue and medical care. Limited on-site emergency response activities could occur therefore the SHSO is responsible for notifying external emergency response agencies. The SHSO provides relevant information to the responding organizations, including, but not limited to, the hazards associated with the emergency incident, potential containment problems, and missing Site personnel.

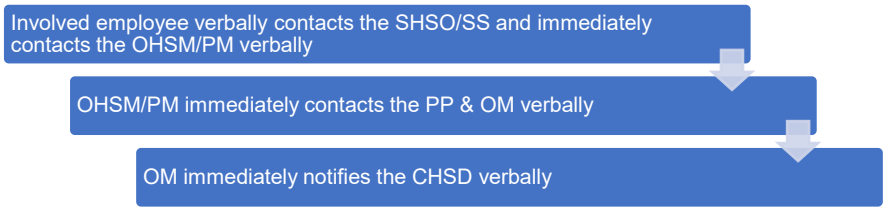
6.2 Emergency Alerting and Evacuation

If evacuation notice is given, Site workers leave the worksite, if possible, by way of the nearest exit. Appropriate primary and alternate evacuation routes and assembly areas have been identified and are shown on the Site Plan with Emergency Muster Area (**Figure 2**). The routes and assembly area will be determined by conditions at the time of the evacuation based on wind direction, the location of the hazard source, and other factors as determined by SHSO/PM.

Personnel exiting the Site gather at a designated assembly point. To determine that everyone has successfully exited the Site, personnel will be accounted for at the assembly point. If any worker cannot be accounted for, notification is given to the SHSO, PM, and any arriving response authorities so that appropriate action can be initiated. Subcontractors on this Site have coordinated their emergency response plans to ensure that these plans are compatible and potential emergencies are recognized, alarm systems are clearly understood, and evacuation routes are accessible to all personnel relying upon them.

6.3 Emergency Medical Treatment and First Aid

In the event of a work-related injury or illness, employees are required to follow the procedures outlined below. All work-place injury and illness situations require Roux's Project and Corporate Management Team to be notified when an injury/illness incident occurs, and communication with the contracted Occupational Health Care Management Provider, WorkCare, Inc., is initiated, as necessary. The Injury/Illness Notification Flowchart is provided below and within Roux's Incident Investigation and Reporting program included within Roux's Corporate Health and Safety Manual.



If on-Site personnel require any medical treatment, the following steps will be taken:

a. Notify Roux's Project and Corporate Management Team for any work-related injury and/or illness occurrence, and communicate with the contracted Occupational Health Care Management Provider, WorkCare, immediately following the notifications provided above.

b. Based on discussions with the Project Team, Corporate Management and the WorkCare evaluation, if medical attention beyond onsite first aid is warranted, transport the injured / ill person (IP) to the Urgent Care Center, or notify the Fire Department or Ambulance Emergency service and request an ambulance or transport the victim to the hospital, and continue communications with Corporate Management Team. An Urgent Care/Hospital Route map with location to NYC Health and Centers Urgent Care of Coney Island is included as **Figure 3**.

c. Decontaminate to the extent possible prior to administration of first aid or movement to medical or emergency facilities.

d. First aid medical support will be provided by onsite personnel trained and certified in First Aid, Cardio Pulmonary Resuscitation (CPR), Automatic External Defibrillation (AED), and Blood-Borne Pathogens (BBP) Awareness, until relieved by emergency medical services (EMS).

e. The SHSO and PM will perform a Loss Investigation (LI) and the Project Team will complete the final Loss Report. If a Roux employee is involved in a vehicular incident, the employee must also complete the Acord Automobile Loss Notice.

7. Environmental Conditions and Response

7.1 Adverse Weather Conditions

In the event of adverse weather conditions, the SHSO or project principal will determine if work can continue without jeopardizing the health and safety of field workers. Some of the items related to adverse weather conditions to be considered prior to determining if work should continue include:

- Potential for heat stress and heat-related injuries;
- Potential for cold stress and cold-related injuries;
- Treacherous weather-related conditions. If wind speed is greater than 15 mph averaged over a 15-minute period or wind gusts over 25 mph, earthmoving operations will be ceased
- Limited visibility; and
- Electrical storm potential.

Site activities will be limited to daylight hours and acceptable weather conditions. Inclement working conditions may include heavy rain, fog, high winds, and lightning. The SHSO and/or PM shall observe daily weather reports and evacuate, if necessary, in case of inclement weather conditions.

7.2 Electrical Storm Guidelines

In the event that lightning and/or thunder are observed while working onsite, all onsite activities shall stop and personnel shall seek proper shelter (e.g., substantial building, enclosed vehicle, etc.). Work shall not resume until the threat of lighting has subsided and no lightning or thunder has been observed for 30 minutes. If the possibility of lightning is forecast for the day, advise the onsite personnel on the risks and proper procedure at the pre-work safety briefing. Continuously monitor for changing weather conditions and allow enough time to properly stop work if lightning is forecast.

7.3 Environmental Stressors, Heat Stress, Heat Exhaustion, and Heat Stroke

It is the employer's responsibility to monitor weather forecasts and ambient air temperatures, both prior to the work shift and during the shift. The National Oceanic and Atmospheric Administration records average minimum/maximum temperatures of 62 to 78 degrees Fahrenheit during the time of year this plan was prepared and work is expected to be completed in Brooklyn, NY.

To prevent potential heat illness, the following strategies will be implemented:

- Adjusting personnel work/rest intervals;
- Monitoring for symptoms of heat illness;
- Providing shaded rest areas;
- Providing cool potable water so that each employee has access to at least one quart per hour for the entire shift, free of charge;
- Allowing for employees to acclimatize to the weather conditions and work demands;
- Observe workers during a heat wave (i.e., when the temperature is at least 80°F, and 10 degrees hotter than the average temperature of the five preceding days); and

- Implementing high heat procedures when the temperature reaches 95°F.

Roux's Heat Illness Prevention Plan is implemented when the ambient temperatures exceed 80°F. Roux's Heat Illness Prevention Program can be found within **Appendix C**. Additional information regarding heat illnesses is provided below. This can include, but is not limited to, access to shade that is sufficient in size to fit all workers who are on break; a car with air conditioning is acceptable, too. Preventative cool-down breaks shall be allowed at any time, and anyone taking such a break will be monitored for heat illness symptoms and not required to return to work until all symptoms (if present) of heat illness have disappeared. If necessary, first aid will be offered, but if symptoms are severe, emergency response procedures will be implemented per Section 6.3. Anyone who has shown symptoms of severe heat illness will not be sent home without being offered first aid or medical treatment.

High heat procedures must be implemented when temperatures reach 95°F. These procedures include:

- Ensuring that effective communication by voice, observation, or electronic means is maintained so that employees at the work site can contact a supervisor when necessary. An electronic device, such as a cell phone or text messaging device, may be used for this purpose only if the reception in the area is reliable.
- Observing employees for alertness and signs or symptoms of heat illness. The employer shall ensure effective employee observation/monitoring by implementing one or more of the following:
  - Supervisor or designee observation of 20 or fewer employees;
  - Mandatory buddy system; and
  - Regular communication with sole employee such as by radio or cellular phone, or other effective means of observation.
- Designating one or more employees on each worksite as authorized to call for emergency medical services and allowing other employees to call for emergency services when no designated employee is available.
- Encouraging employees throughout the work shift to drink plenty of water.
- A review of the high heat procedures during the daily tailgate meeting and remind employees of their right to take a cool-down rest when necessary.

7.3.1 Heat Stress

Heat stress is the body's response to excessive heat and can be a significant potential hazard. The risk of heat stress can be increased with heavy physical activity and/or the use of personal protective equipment in hot, humid weather environments. There are also personal risk factors that can contribute to the risk of suffering from heat stress, such as obesity, water intake, alcohol and caffeine consumption, pregnancy, age, medication, etc. Heat illness includes heat cramps, heat exhaustion, heat syncope, and heat stroke.

7.3.2 Heat Cramps

Heat cramps may be brought on by prolonged exposure to heat. As an individual sweats, water and salts are lost by the body resulting in painful muscle cramps, typically in the legs.

First aid treatment includes, but is not limited to, shade, rest, and fluid replacement. Typically, the individual should recover within one-half hour while being monitored constantly. If the individual has not improved substantially within 30 minutes and the body temperature has not decreased, the individual should be transported to a hospital for medical attention.

Per Roux's Heat Illness Prevention Plan, employees shall have access to potable drinking water that is fresh, pure, suitably cool, free of charge and in sufficient quantities. Access to shade shall be present when temperatures exceed 80 degrees Fahrenheit and shall be available when temperatures do not exceed 80 degrees Fahrenheit.

7.3.3 Heat Exhaustion

Heat exhaustion may occur in an individual who has been exposed to excessive heat while working or exercising. The circulatory system of the individual fails as blood collects near the skin to rid the body of excess heat through transference. The signs and symptoms of heat exhaustion are as follows:

- Rapid and shallow breathing;
- Weak pulse;
- Cold and clammy skin with heavy perspiration;
- Skin appears pale;
- Fatigue and weakness;
- Dizziness; and
- Elevated body temperature.

First aid treatment includes, but is not limited to, cooling the victim, elevating the feet, and replacing fluids.

If the individual is not substantially improved within 30 minutes and the body temperature has not decreased, the individual should be transported to the hospital for medical attention.

7.3.4 Heat Stroke

Heat stroke occurs when an individual is exposed to excessive heat and stops sweating. This condition is classified as a MEDICAL EMERGENCY requiring immediate cooling of the victim and transport to a medical facility. The signs and symptoms of heat stroke are as follows:

- Dry, hot, red skin;
- Body temperature approaching or above 105^{o}F;
- Confusion, altered mental state, slurred speech;
- Seizures;
- Large (dilated) pupils; and
- Loss of consciousness – the individual may go into a coma.

First aid treatment requires immediate cooling and transportation to a medical facility. Heat stress is a significant hazard if any type of protective equipment (semi-permeable or impermeable) that prevents evaporative cooling when worn in hot weather environments.

7.4 Cold Stress

Cold stress is a danger at low temperatures and when the wind-chill factor is low. Prevention of cold-related illnesses is a function of whole-body protection. Adequate insulating clothing must be used when the air temperature is below 60°F. A work/rest regimen will be initiated when ambient temperatures and protective

clothing cause a stressful situation. In addition, reduced work periods followed by rest in a warm area may be necessary in extreme conditions. The signs and symptoms of cold stress include the following:

- Severe shivering;
- Abnormal behavior;
- Slowing;
- Weakness;
- Stumbling or repeated falling;
- Inability to walk;
- Collapse; and/or
- Unconsciousness.

First aid requires removing the victim from the cold environment and seeking medical attention immediately. Also, prevent further body heat loss by covering the victim lightly with blankets. Do not cover the victim's face. If the victim is still conscious, administer hot drinks and encourage activity such as walking, wrapped in a blanket.

8. Safety Procedures

This section of the HASP presents the specific safety procedures to be implemented during Roux's activities at the Site in order to protect the health and safety of various on-site personnel. Minimum OSHA-mandated procedures are presented first, followed by client- and Site-specific procedures. Lastly, activity-specific procedures are discussed. These Site and activity-specific procedures supplement the general safety procedures included in Roux's Corporate Health and Safety Manual, which also must be followed in their entirely.

8.1 Training

At a minimum, Site personnel who will perform work in areas where there exists the potential for toxic exposure will be health and safety-trained prior to performing work onsite per OSHA 29 CFR 1910.120(e) and 29 CFR 1926.65(e). More specifically, all Roux, subcontractor, and other personnel engaged in sampling and remedial activities at the Site and who are exposed or potentially exposed to hazardous substances, health hazards, or safety hazards must have received at a minimum the 40 hour initial HAZWOPER training consistent with the requirements of 29CFR 1910.120(e)(3)(i) training and a minimum of 3 days' actual field experience under the direct supervision of a trained experienced supervisor, plus 8 hours of refresher training on an annual basis. Depending on tasks performed, less training may be permitted. Evidence of such training must be maintained at the Site at all times. Furthermore, all on-Site management and supervisory personnel directly responsible for or who supervise the employees engaged in Site remedial operations, must have received an additional 8 hours of specialized training at the time of job assignment on topics including, but not limited to, the employer's safety and health program and the associated employee training program, personal protective equipment program, spill containment program, and health hazard monitoring procedure and techniques, plus 8 hours of refresher training on an annual basis. Additionally, all workers who will be required to don a respirator will be properly trained on their employer's Respiratory Protection Program, which also includes being medically cleared to wear a respirator and passed a fit test, at least initially prior to use, and then annually thereafter in accordance with 29 CFR 1910.134, Respiratory Protection.

Roux personnel training records are maintained in a corporate database with records available upon request from either the OHSM/SHSO/CHSD or Human Resources Department.

8.2 Site-Specific Safety Briefings for Visitors

A site-specific briefing is provided to all site visitors who enter this site beyond the site entry point. For visitors, the site-specific briefing provides information about site hazards, the site lay-out including work zones and places of refuge, the emergency alarm system and emergency evacuation procedures, and other pertinent safety and health requirements as appropriate.

8.3 HASP Information and Site-Specific Briefings for Workers

Site personnel review this HASP and are provided a Site-specific tailgate briefing prior to the commencement of work to ensure employees are familiar with this HASP and the information and requirements it contains, as well as the relevant JSAs included in **Appendix A**. Additional briefings are provided as necessary to notify employees of any changes to this HASP as a result of information gathered during on-going Site characterization and analysis of changing conditions. Conditions for which we schedule additional briefings

include, but are not limited to: changes in site conditions, changes in the work schedule/plan, newly discovered hazards, and incidents occurring during Site work.

8.4 Medical Surveillance

The medical surveillance section of the Health and Safety Plan describes how worker health status is monitored at this site. Medical surveillance is used when there is the potential for worker exposure to hazardous substance at levels above OSHA Permissible Exposure Limits (PEL) or other published limits. The purpose of a medical surveillance program is to medically monitor worker health to ensure that personnel are not adversely affected by site hazards. The provisions for medical surveillance at this site are based on the site characterization and job hazard analysis found in Section 4 of this HASP and are consistent with OSHA requirements in 29 CFR 1910.120(f) as applicable.

8.4.1 Site Medical Surveillance Program

Medical surveillance requirements are based on a worker's potential for exposure as determined by the site characterization and job hazard analysis documented in Section 4 and JSAs within **Appendix A** of this HASP and in compliance with the requirements of 29 CFR 1910.120(f)(2). Based on site information and use of direct reading instruments, limited use of respirators (less than 30 days per year), and the absence of an employee-staffed HAZMAT team, a limited medical surveillance program is required and implemented at this site. The medical surveillance program provides that:

1. Workers assigned to tasks requiring the use of respirators receive medical examinations in accordance with 29 CFR 1910.134(e) to ensure they are physically capable to perform the work and use the equipment, and
2. If a worker is injured, becomes ill, or develops signs or symptoms of possible over-exposure to hazardous substance or health hazards, medical examinations are provided to that worker as soon as possible after the occurrence and as required by the attending physician.
3. These medical examinations and procedures are performed by or under the supervision of a licensed physician and are provided to workers free of cost, without loss of pay, and at a reasonable time and place. In addition, the need to implement a more comprehensive medical surveillance program will be re-evaluated after any apparent over-exposure.

8.4.2 Medical Recordkeeping Procedures

Medical recordkeeping procedures are consistent with the requirements of 29 CFR 1910.1020 and are described in the company's overall safety and health program. A copy of that program is available at our Islandia, New York office.

The following items are maintained in worker medical records:

- Respirator fit test and selection;
- Physician's medical opinion of fitness for duty (pre-placement, periodic, termination);
- Physician's medical opinion of fitness for respirator protection (pre-placement, periodic); and
- Exposure monitoring results.

8.4.3 Program Review

The medical program is reviewed to ensure its effectiveness. The Corporate Health and Safety Manager in coordination with the Human Resources Director is responsible for this review. At minimum, this review consists of:

- Review of accident and injury records and medical records to determine whether the causes of accidents and illness were promptly investigated and whether corrective measures were taken wherever possible;
- Evaluation of the appropriateness of required medical tests based on site exposures; and
- Review of emergency treatment procedures and emergency contacts list to ensure they were site-specific, effective, and current.

8.5 Personnel Protection

Site safety and health hazards are eliminated or reduced to the greatest extent possible through engineering controls and work practices. Where hazards are still present, a combination of engineering controls, work practices and PPE are used to protect employees. Appropriate personal protective equipment (PPE) shall be worn by Site personnel when there is a potential exposure to chemical, biological or physical hazards (e.g., falling objects, flying particles, sharp edges, electricity, and noise), as determined by the SHSO. The level of personal protection, type and kind of equipment selected will depend on the hazardous conditions and in some cases cost, availability, compatibility with other equipment, and performance. An accurate assessment of all these factors will be made before work can be safely executed.

Roux maintains a comprehensive written PPE program that addresses proper PPE selection, use, maintenance, storage, fit and inspection. Roux's PPE program can be found within **Appendix D**. PPE to be used at the Site will meet the appropriate American National Standards Institute (ANSI) standards and the following OSHA (General/Construction Industry) standards for minimum PPE requirements.

The minimum level of PPE for entry onto the Site is Level D. The following equipment shall be worn:

- Work uniform (long pants, sleeved shirt);
- Hard hat;
- Steel or composite toe work boots (must comply with American Society for Testing and Materials [ASTM]) F 2412-05, Standard Test Methods for Foot Protection and ASTM F 2413-05, Standard Specification for Performance Requirements for Foot Protection);
- Safety Glasses (must comply with one of the following ANSI/ISEA Z87.1-2010, ANSI Z87.1-2003, ANSI Z87.1-2003);
- Boot Covers (as needed);
- Hearing protection (as needed);
- High visibility clothing (shirt/vest); and
- Hand protection (e.g., minimum cut resistance meeting ANSI 105-2000 Level 2).

Note that jewelry shall be removed or appropriately secured to prevent it from becoming caught in rotating equipment or unexpectedly snagged on a fixed object (e.g., wrist watches, bracelets, rings, chains and necklaces, open earrings). Do not wear loose clothing and all shoulder-length hair should be tied back.

Site specific PPE ensembles and materials are identified within task specific JSAs located within **Appendix A**, and any upgrades or downgrades of the level of protection (i.e., not specified in the JSA) must be approved by the PP and immediately communicated to all Roux personnel and subcontractors as applicable. PPE is used in accordance with manufacturer's recommendations.

8.5.1 Hearing Conservation

Hearing protection is made available when noise exposures equal or exceed an 8-hour time-weighted average sound level of 85 dBA. Hearing protection is required when the 8-hour time weighted average sound level $\geq$ 85 dBA, or when noise levels exceed 140 dBA at any point or exceeds 115 dBA for at least 15 minutes. Where noise exposure meets or exceeds this level, noise is listed as a physical hazard in the JSA for the tasks/operation, and hearing protection is included as one of the control measures (PPE).

8.6 Monitoring

An air monitoring program is important to the safety of on- and off-Site personnel, and the surrounding area. A preliminary survey, to establish background conditions in the immediate sampling area, may be made prior to the initiation of Site work including, but not limited to, monitoring wind direction (e.g., wind socks) and approximate temperature during all invasive Site activities. This survey will be conducted with the appropriate pre-calibrated air monitoring instrument(s), as warranted by the field activity. Once this survey has been complete, any changes in the type of PPE will be determined and relayed to those working on-Site.

Work zone air monitoring will be performed to verify that the proper level of PPE is used, and to determine if increased protection or work stoppage is required. The following equipment shall be used to monitor conditions:

- A Photoionization Detector (PID) with a lamp energy of 10.6 eV will be used to provide direct readings of organic vapor concentrations during intrusive activities to determine that personnel protection is adequate. Concentrations shall be recorded during intrusive activities with the potential to encounter contaminant vapors.

Personal exposure monitoring utilizing activated charcoal tubes may be considered based on whether or not the area sample results are at or above half of the PEL. The decision to perform the monitoring will be made by, and under the control of, the CHSD.

Below are monitoring action levels for Site-specific chemicals of concern. In the event PID readings above the thresholds identified below are sustained for 5 minutes in the breathing zone, worker protection will require upgrading following notification to the OHSM and applicable parties.

8.6.1 Action Levels for Air Monitoring

PPE can remain at Level D if breathing zone VOC concentrations are less than 5 ppm and benzene is non-detect. Personnel are required to evacuate the Site when breathing zone VOC readings exceed 25 ppm.

The following tables include summaries of the air monitoring, work practices, and action levels for the expected contaminants. The action levels to initiate testing with colorimetric tubes for airborne volatiles is 1 ppm (PID reading) and is based on the Permissible Exposure Limit (PEL) for benzene (1 ppm). The colorimetric tubes are used to confirm the presence or absence of specific constituents, and they do not provide a measured concentration.

PPE can remain at Level D if breathing zone VOC concentrations are less than 5 ppm and specific compounds, such as benzene, vinyl chloride, or formaldehyde, is non-detect. Personnel are required to evacuate the Site when breathing zone VOC readings exceed 25 ppm.

The following tables include summaries of the air monitoring, work practices, and action levels for the expected contaminants.

Air Monitoring Summary and Action Levels Organic Vapors	
PID Reading in Breathing Zone (ppm)	**Action**
0-1 ppm above background	Continue monitoring
>1-5 ppm sustained 60 seconds	Continue monitoring; if applicable initiate additional collection of benzene/vinyl chloride/formaldehyde using colorimetric tubes.
<5 ppm and no presence of benzene/vinyl chloride/formaldehyde	Continue Monitoring, ventilate space
≥ 5 ppm - ≤ 25 ppm and no presence of benzene/vinyl chloride/formaldehyde	Ventilate space until PID reads < 5 ppm. If < 5 ppm cannot be achieved, upgrade to Level C[1].
≥ 25 ppm	Ventilate space and evacuate area. Consult with CHSD.

Background concentrations should be established at the beginning of each work day. It may be necessary to re-establish background concentrations and ambient conditions vary through the day.

1 Measured air concentrations of known organic vapors will be reduced by the respirator to one half of the PEL or lower, and the individual and combined compound concentrations shall be within the service limit of the respirator cartridge.

8.6.1 Air Monitoring Equipment and Calibration

A PID calibrated to an appropriate calibration mixture will be used to detect organic vapors in and around the work areas. Monitoring will be conducted in and around all work areas and at the workers' breathing zone before activities commence to establish a background level, then at 15-minute intervals throughout the day. All equipment will be calibrated according to the manufacturer's recommendation. A calibration log will be maintained and will include the name of the person who performed the calibration, the date and time calibrated, and the instrument reading at the time of calibration. A manual bellows pump or equivalent with colorimetric tubes for specific compounds will be utilized to determine the course of action related to upgrading or downgrading the level of respiratory protection, as applicable.

If air monitoring data indicate safe levels of potentially harmful constituents at consistent intervals (5-minute intervals), then monitoring can be conducted less frequently (every 30 minutes). This determination will be made by the onsite SHSO. Monitoring data, including background readings and calibration records, will be documented. Work to be performed on-Site will conform to Roux's Standard Operating Procedures (SOPs). Conformance with these guidelines as well as the guidelines described in this HASP will aid in mitigating the physical and chemical hazards mentioned throughout this HASP.

8.7 Tailgate Safety Meetings

A designated Site worker will provide daily safety briefings (e.g., tailgate meetings) including, but not limited to, the following scenarios:

- When new operations are to be conducted;
- Whenever changes in work practices must be implemented; and
- When new conditions are identified and/or information becomes available.

Daily safety briefings shall be recorded on the Roux Daily Tailgate Health and Safety Meeting Log/Daily Site Safety Checklist, and all completed forms will become a part of the project file.

8.8 Spill Containment

Spill containment equipment and procedures should, at a minimum, meet the requirements of the facility's Spill Prevention, Control and Countermeasure Plan, if applicable. Otherwise, spill containment equipment and procedures must be considered depending on the task, including, but not limited to, chemical/product transfer points and handling.

8.8.1 Initial Spill Notification and Response

Any worker who discovers a hazardous substance spill will immediately notify the SHSO. The worker will, to his/her best ability, report the hazardous substance involved, the location of the spill, the estimated quantity of material spilled, the direction/flow of the spill material, related fire/explosion incidents, and any associated injuries without compromising their own safety.

8.8.2 Spill Evaluation and Response

The SHSO is responsible for evaluating spills and determining the appropriate response. When this evaluation is being made, the spill area will be isolated and demarcated to the extent possible. If necessary to protect nearby community members, notification of the appropriate authorities is made by the PM as appropriate. On-Site response is limited to small spills (e.g., <10 gallons); large spills require external emergency responders who will be contacted by the SHSO.

8.9 Decontamination

The decontamination section of the HASP describes how personnel and equipment are decontaminated when they leave the Exclusion Zone. This section also describes how residual waste from decontamination processes is disposed. The site decontamination procedures are designed to achieve an orderly, controlled removal or neutralization of contaminants that may accumulate on personnel or equipment. These procedures minimize worker contact with contaminants and protect against the transfer of contaminants to clean areas of the site and off-site. They also extend the useful life of PPE by reducing the amount of time that contaminants contact and can permeate PPE surfaces. Decontamination is facilitated within the CRZ at this site, if applicable.

8.9.1 Decontamination Procedures for Personnel and PPE

The following are general decontamination procedures established and implemented at this site.

1. Decontamination is required for all workers exiting a contaminated area. Personnel may re-enter the SZ only after undergoing the decontamination procedures described below in the next section.
2. Protective clothing is decontaminated, cleaned, laundered, maintained and/or replaced as needed to ensure its effectiveness.
3. PPE used at this site that requires maintenance or parts replacement is decontaminated prior to repairs, or
4. PPE used at this site is decontaminated or prepared for disposal on the premises. Personnel who handle contaminated equipment have been trained in the proper means to do so to avoid hazardous exposure.
5. This site uses an off-site laundry for decontamination of PPE. The site has informed that facility of the hazards associated with contaminated PPE from this site.
6. The site requires and trains workers that if their permeable clothing is splashed or becomes wetted with a hazardous substance, they will immediately exit the work zone, perform applicable decontamination procedures, shower, and change into uncontaminated clothing.
7. Procedures for disposal of decontamination waste meet applicable local, State, and Federal regulations.

8.9.2 Decontamination Procedures for Equipment

All tools, equipment, and machinery from the EZ or CRZ are decontaminated in the CRZ prior to removal to the SZ. Equipment decontamination procedures are designed to minimize the potential for hazardous skin or inhalation exposure and to avoid cross-contamination and chemical incompatibilities.

General Equipment Decontamination Procedures:

1. Decontamination is required for all equipment exiting a contaminated area. Equipment may re-enter the SZ only after undergoing the equipment decontamination procedures.
2. Vehicles that travel regularly between the contaminated and clean areas of the site are carefully decontaminated each time they exit the EZ and the effectiveness of that decontamination is monitored to reduce the likelihood that contamination will be spread to other parts of the site.
3. Particular attention is given to decontaminating tires, scoops, and other parts of heavy equipment that are directly exposed to contaminants and contaminated soil.
4. Procedures for disposal of decontamination waste shall meet applicable local, State, and Federal regulations.

The following items may be used to decontaminate equipment:

- Fresh water rinse;
- Non-phosphorus detergent wash;
- Acetone rinse;
- Distilled water rinse; and
- A steam cleaner or pressure washer (heavy equipment only).

8.9.3 Monitoring the Effectiveness of Decontamination Procedures

Visual examination and sampling are used to evaluate the effectiveness of decontamination procedures. Visual examination is used to ensure that procedures are implemented as described and that they appear to control the spread of contaminants under changing site conditions. Visual examination is also used to inspect for signs of residual contamination or for contaminant permeation of PPE.

Personnel who work in contaminated areas of the site, either the Contamination Reduction Zone (CRZ) or the Exclusion Zone, are trained in the principles and practices of decontamination described in this section of the HASP and in related SOPs. If site procedures are changed as a result of inspection and monitoring, all affected employees are notified of these changes.

8.10 Confined Space Entry

The scope of work for this project will not include confined space entry for Roux staff nor its subcontractors.

The following is a list of the safety requirements for confined space entry at the Site:

- **ROUX PERSONNEL ARE NOT AUTHORIZED TO ENTER AN OSHA PERMIT REQUIRED CONFINED SPACE;**
- Currently the scope of work **DOES NOT** require personnel to enter permitted confined space for this project; and
- Any changes to the field activities that may necessitate confined space entry will be reported to the Project Principal and OHSM.

Confined space is defined as any space, depression, or enclosure that:

- Has limited opening for entry and egress;
- Is large enough for an employee to enter and perform assigned work; and
- Is not intended for continuous occupancy.

A permit required confined space is one that meets the definition of a confined space and has one or more of the following characteristics:

- May contain or produce life-threatening atmospheres due to oxygen deficiency the presence of toxic, flammable, or corrosive contaminants;
- Contains a material that has the potential for engulfment;
- Has an internal configuration that may cause an entrant to be trapped or asphyxiated by inwardly converging walls or by a floor that slopes downward and tapers to a smaller cross-section; and
- Contains any other serious safety or health hazards.

Although Roux personnel will not perform confined space entry, it is expected that subcontractors performing cleaning and mitigation and/or remedial measures activities may be required to enter structures that are considered to be a permit required confined space. Permitting of the confined space as well as hazard mitigation for entry will be completed by the subcontractor in accordance with 29 CFR 1910.146 or 1926.1201-1213 and/or applicable local/client requirements.

8.11 Client and Site-Specific

In addition to the OSHA-specific procedures discussed above, there may be client and site-specific safety procedures that must be adhered to during the performance of remedial activities at the Site. At the time of this preparation there are no known client and site-specific safety procedures to be adhered to during the scope of work of the project.

8.12 Unusual or Significant Risks

Field activities that appear to have unusual or significant risks that cannot be adequately managed with existing risk tools such as LPS, HASPs, traffic safety plans, work permits, design and O&M practices, equipment HAZOPS or other safety tools must be referred to the CHSD to help with the assessment and management of the associated potential safety risks. Examples include the use of explosives for demolition, use of firearms to control wildlife, rappelling, demolition over water, diving, etc.

8.13 Activity-Specific Hazards

In addition to the general hazards discussed above, there are activity-specific hazards associated with each work activity planned for the Site. An activity-specific JSA has been completed for each of the activities planned for the Site. JSAs are provided in **Appendix A**. In the event that new work activities or tasks are planned, JSAs will be developed and implemented prior to performing the new activities. In the absence of a JSA, the personnel performing work must prepare a field JSA and receive clearance from a designated competent safety official prior to performing any task with significant risk. In emergency situations where time is critical SPSAs will be utilized to identify the task, associated hazards and mitigative actions to take. For lower risk activities (as deemed by the discretion of a Competent Person) where a JSA is determined to not be needed, the individual(s) conducting the activities must perform SPSAs prior to and during the work.

8.13.1 Electrical and Other Utility Assessment and Accommodations

Roux shall perform a site walk to identify any potential overhead electrical or utility lines. All applicable guidelines will be followed in the vicinity of overhead power and utility lines (see Section 8.13.3 below).

Roux has also reviewed all available Site maps showing buried utility lines to identify potential hazards, which revealed that no underground hazards are known to exist in the vicinity of the areas of the Site pertinent to this HASP.

8.13.2 Subsurface Work

Subsurface work activities will require adherence to Roux's Corporate Subsurface Utility Clearance Management program found within **Appendix E**.

8.13.2.1 Excavations and Trenching

Trenching and excavation work activities carried out by Roux and their subcontractors shall comply with applicable OSHA standards (i.e., 29 CFR 1926.650-652). Regional Notification Centers (i.e., Underground Services Alert) shall be notified at least two working days prior to the start of any digging or excavation work per state requirements (i.e., 811-One Call). Personnel responsible for excavation activities will be trained in their job responsibilities. Additionally, for trenches 4 feet or deeper, where employees will enter, the trench needs to have a stairway, ladder or other safe means of egress, and located so that employees do not have

to travel farther than 25 feet horizontally. Where employees will enter trenches greater than 5 feet deep, the trench must have some type of protective system or sloped sidewalls appropriately to prevent cave-ins.

The SHSO or other responsible Roux personnel will be present on-Site during all Roux contracted excavation and backfill operations and will supplement health and safety monitoring conducted by Subcontractor air quality screening to ensure that appropriate levels of protection and safety procedures are utilized. The proximity of chemical, water, sewer, and electrical lines will be identified by Roux and/or their subcontractor before any subsurface activity or sampling is attempted. Prior to any excavation activities, trees, shrubbery, and other objects that can potentially pose as a hazard during excavation should be supported or removed from the excavation area. The following safe work practices will be implemented during this task.

- The proximity of chemical, water, sewer, and electrical lines will be identified by a facility representative prior to beginning any subsurface activity;
- At the start of every day, a competent person will inspect excavations to evaluate if the area is stable and safe to enter. Inspections will be conducted as needed throughout the excavation operations. If deemed necessary, a competent person may also conduct inspections after rainfall or any other event that can potentially affect the integrity of the excavation. Employees will not enter excavations where water has accumulated until protective measures have been implemented.
- Prior to entering excavations greater than 4 feet in depth, air monitoring for oxygen and hazardous atmospheres must be conducted to assure atmospheric conditions are within normal levels described in Section 8.6. Continuous air monitoring with a standard multi-gas detector (O^2, LEL%, CO, H^2S) shall be used during the course of work within an excavation; if action limits are reached workers shall safely exit the excavation. Upgrades to worker protection should be evaluated with the SHSO and PP in consultation with the CHSD. Emergency rescue equipment, such as breathing apparatuses and safety harnesses connected to an extraction device, will be readily available in the event of hazardous atmospheric conditions;
- While earthmoving, stay out of the excavator's delineated heavy equipment exclusion zone and away from the excavation sides where there is potential for cave in (within excavations that are 6 feet or more in depth, a delineated perimeter 6 feet away from the excavated edge is required);
- During loading and unloading operations, stand away from haul trucks and other vehicles to avoid contact with any falling loads; and
- Traffic cones, caution tape, or other barriers will be set up around the perimeter of the excavation when employees are working along the excavation edge and for any excavation that will be left open overnight or unattended for more than two days.

Maximum Allowable Slopes

Soil or Rock Type	Maximum Allowable Slopes (H:V)[1] for Excavations Less Than 20 Feet Deep[3]
Stable Rock	Vertical (90°)
Type A[2]	3/4 : 1 (53°)
Type B	1 : 1 (45°)
Type C	1 1/2 : 1 (34°)

29 CFR 1926 Subpart P Appendix B Sloping and Benching Table B-1

Notes:

[1] Numbers shown in parentheses next to maximum allowable slopes are angles expressed in degrees from the horizontal. Angles have been rounded off.

[2] A short-term maximum allowable slope of 1/2H : 1V (63°) is allowed in excavations in Type A soil that are 12 feet (3.67 meters) or less in depth. Short-term maximum allowable slopes for excavations greater than 12 feet (3.67 meters) in depth shall be 3/4H : 1V (53°).

[3] Sloping or benching for excavations greater than 20 feet deep shall be designed and stamped by a registered professional engineer.

Proper stockpiling (i.e., 2 feet minimum distance from the excavation edge), containment, transport, storage, and disposal practices will be utilized and is dependent upon the potential type and amount of waste generated during operations. The location of safety equipment and evacuation procedures will be established prior to initiation of operations according to this HASP.

8.13.3 Heavy Equipment

Use of heavy equipment at the Site will require adherence to Roux's Corporate Heavy Equipment Exclusion Zone Management Program found within **Appendix F**. Additionally, operation of the drill rig/other heavy equipment will maintain clearances from overhead power lines in accordance with 29 CFR 1926.1408 Table A Minimum Clearance Distances provided below.

Minimum Required Clearances for Energized Overhead Power Lines

Nominal System Voltage of Power Line (K V)	Minimum Required Clearance (feet)
0-50	10
51-100	12
101-200	15
201-300	20
301-500	25
501-750	35
751-1000	45

1 kilovolt (KV) = 1,000 volts

8.14 Traffic Control

If Site operations encroach upon public streets or highways and a hazard exists to Site personnel because of traffic conditions, a traffic control plan will be implemented in accordance with the United States Department of Transportation's (DOT's) "Manual on Uniform Traffic Control Devices."

8.15 Sanitation

Sanitation facilities will be provided in accordance with the sanitation standards (29 CFR 1910.141, 29 CFR 1926.51 and 29 CFR 1928.110). Sanitation facilities will be maintained and kept in good conditions at all times.

9. Field Team Review

Each person performing work at or visiting this site shall sign this section after site-specific training is completed and before being permitted to access the CRZ or Exclusion Zone.

I have read and understand this Site-Specific Health and Safety Plan. I will comply with the provision contained therein.

Site/Project: Sea Park North – 2828 W 28th Street, Brooklyn, NY, 11224

Name & Company	Signature	Date

10. Approvals

By their signature, the undersigned certify that this HASP is approved and will be utilized at the Sea Park North Site.

Sarah Stern – Site Supervisor	Date
Nevin Pahlad – Office Health and Safety Manager	Date
Lauren Dolginko – Project Manager	Date
Frank Cherena – Project Principal	Date

TABLES

1. Toxicological Properties of Hazardous Substances Present at the Site

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at Site

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Acenaphthene	83-32-9	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system	Eyes, skin, respiratory system	Brown solid
Acenaphthylene	208-96-8	None Established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system	Eyes, skin, respiratory system	Yellow Solid Fl. Pt.=251°F
Arsenic (inorganic)	7440-38-2 (metal)	TWA 0.01 mg/m3	Ca C 0.002 mg/m3 [15-min]	TWA 0.010 mg/m3	Ca [5 mg/m3 (as As)]	Inhalation; ingestion; skin absorption; skin and/or eye contact	Ulceration of nasal septum, dermatitis, GI disturbances, peripheral neuropathy, resp irritation, hyperpigmentation of skin, [potential occupational carcinogen]	Liver, kidneys, skin, lungs, lymphatic sys	Metal: sliver-gray or tin-white, brittle, odorless solid BP: sublimes
Barium	7440-39-3	TWA 0.5 mg/m3	None established	TWA 0.5 mg/m3	None established	Inhalation, ingestion, skin contact	Irritation skin, respiratory system, digestive system	Skin, eyes, respiratory system	Yellow white powder BP: 1640 C
Benzene	71-43-2	TWA 0.5 ppm STEL 2.5 ppm	Ca TWA 0.1 ppm STEL 1 ppm	TWA 1 ppm ST 5 ppm	Ca [500 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude (weakness, exhaustion); dermatitis; bone marrow depression; [potential occupational carcinogen]	Eyes, skin, respiratory system, blood, central nervous system, bone marrow	Colorless to light yellow liquid with an aromatic odor [Note: Solid below 42 °F] BP: 176°F Fl.Pt. = 12°F LEL: 1.2% UEL: 7.8% Class B Flammable liquid
Benzo[a]anthracene	56-55-3	None established [skin cancer]	None established	None established	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	Irritation eyes, skin, respiratory system, CNS; skin cancer	Skin	Pale Yellow crystal, solid BP: 438 C
Benzo[a]pyrene	50-32-8	None established [cancer]	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	POISON. This material is an experimental carcinogen, mutagen, tumorigen, neoplastigen and teratogen. It is a probable carcinogen in humans and a known human mutagen. IARC Group 2A carcinogen. It is believed to cause bladder, skin and lung cancer. Exposure to it may damage the developing fetus. May cause reproductive damage. Skin, respiratory and eye irritant or burns.	Skin, eye, bladder, lung, reproductive	Yellow crystals or powder [found in cigarette smoke, coal tar, fuel exhaust gas and in many other sources] BP: 495 C
Benzo[b]fluoranthene	205-99-2	None established [cancer]	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin and/or eye contact	No data were identified on the toxicity of benzo[b]fluoranthene to humans. Based on results of studies in animals, IARC concluded that benzo[b]fluoranthene is possibly carcinogenic to humans	Respiratory system, skin, bladder, kidneys	Off-white to tan powder
Benzo[k]fluoranthene	207-08-9	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory tract, gastrointestinal; fatal if swallowed, inhaled, absorbed through the skin; vomiting, nausea, diarrhea	Lungs, respiratory system	Yellow crystals BP: 480 C
Benzo(g,h,i)perylene	191-24-2	None established	None established	California permisible exposure limits for chemical contaminants (Title 8, Article 107) PEL 0.2 mg/m3	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory tract, very toxic to aquatic life with long lasting effects	Eyes, skin, respiratory system	Pale Yellow -Green Crystals BP: 550°C
Beryllium	7440-41-7 (metal)	TWA 0.00005 mg/m^3	Ca C 0.0005 mg/m^3	TWA 0.002 mg/m^3 C 0.005 mg/m^3 (30 minutes) with a maximum peak of 0.025 mg/m^3	Ca [4 mg/m^3 (as Be)]	inhalation, skin and/or eye contact	Berylliosis (chronic exposure): anorexia, weight loss, lassitude (weakness, exhaustion), chest pain, cough, clubbing of fingers, cyanosis, pulmonary insufficiency; irritation eyes; dermatitis; [potential occupational carcinogen]	Eyes, skin, respiratory system	Metal: A hard, brittle, gray-white solid. BP: 4532°F
Cadmium	7440-43-9 (metal)	TWA 0.01 mg/m^3	Ca	TWA 0.005 mg/m^3	Ca [9 mg/m^3 (as Cd)]	inhalation, ingestion	Pulmonary edema, dyspnea (breathing difficulty), cough, chest tightness, substernal (occurring beneath the sternum) pain; headache; chills, muscle aches; nausea, vomiting, diarrhea; anosmia (loss of the sense of smell), emphysema, proteinuria, mild anemia; [potential occupational carcinogen]	respiratory system, kidneys, prostate, blood	Metal: Silver-white, blue-tinged lustrous, odorless solid. BP: 1409°F
Carbon Tetrachloride	56-23-5	TWA 5 ppm STEL 10 ppm	Ca ST 2 ppm (12.6 mg/m3) [60 minute]	TWA 10 ppm C 25 ppm 200 ppm (5-minute maximum peak in any 4 hours)	Ca [200 ppm]	inhalation, skin absorbtion, ingestion, skin and/or eye contact	irritation eyes, skin; central nervous system depression; nausea, vomiting; liver, kidney injury; drowsiness, dizziness, incoordination; [potential occupational carcinogen]	central nervous system, eyes, lungs, liver, kidneys, skin	Colorless liquid with a characteristic ether-like odor. BP: 170°F
Carbon Monoxide	630-08-0	TWA 25 ppm	TWA 35 ppm C 200 ppm	TWA 50 ppm	1,200 ppm	inhalation	Carboxyhemogloemia	Blood	Colorless, odorless gas

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at Site

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Chromium	7440-47-3	TWA 0.5 mg/m^3 (metal and Cr III compounds) TWA 0.05 mg/m^3 (water-soluble Cr VI compounds) TWA 0.01 mg/m^3 (insoluble Cr IV compounds)	TWA 0.5 mg/m^3	TWA 1 mg/m^3	250 mg/m^3 (as Cr)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; lung fibrosis (histologic)	Eyes, skin, respiratory system	Blue-white to steel-gray, lustrous, brittle, hard, odorless solid. BP: 4788°F
Chrysene; Phenanthrene; Pyrene; Coal tar pitch volatiles	65996-93-2	TWA 0.2 mg/m3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	Inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	Respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids
Coal Tar Pitch Volatiles; Chrysene; Phenanthrene; Pyrene	65996-93-2	TWA 0.2 mg/m^3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	Inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids
1,1-Dichloroethane	75-34-3	TWA 100 ppm	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	3000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation skin; central nervous system depression; liver, kidney, lung damage	Skin, liver, kidneys, lungs, central nervous system	Colorless, oily liquid with a chloroform-like odor. BP: 135°F Fl.P: 2°F UEL: 11.4% LEL: 5.4%
1,2-Dichloroethane (Ethylene Dichloride)	107-06-2	TWA 10 ppm	Ca TWA 1 ppm (4 mg/m^3) STEL 2 ppm (8 mg/m^3)	TWA 50 ppm C 100 ppm 200 ppm [5-minute maximum peak in any 3 hours]	Ca [50 ppm]	inhalation, ingestion, skin absorption, skin and/or eye contact	Irritation eyes, corneal opacity; central nervous system depression; nausea, vomiting; dermatitis; liver, kidney, cardiovascular system damage; [potential occupational carcinogen]	Eyes, skin, kidneys, liver, central nervous system, cardiovascular system	Colorless liquid with a pleasant, chloroform-like odor. [Note: Decomposes slowly, becomes acidic & darkens in color.] BP: 182°F Fl.P: 56°F UEL: 16% LEL: 6.2% Class IB Flammable Liquid
1,2-Dichloroethene (total)	540-59-0	TWA 200 ppm	TWA 200 ppm (790 mg/m^3)	TWA 200 ppm (790 mg/m^3)	1000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, respiratory system; central nervous system depression	Eyes, respiratory system, central nervous system	Colorless liquid (usually a mixture of the cis & trans isomers) with a slightly acrid, chloroform-like odor BP: 118-140°F Fl.P: 36-39°F UEL: 12.8% LEL: 5.6% Class IB Flammable Liquid
cis-1,2-Dichloroethene	156-59-2	TWA 200 ppm	TWA 200 ppm	TWA 200 ppm	None established	inhalation, skin absorption, ingestion	Harmful if swallowed, inhaled, or absorbed through skin. Irritant. Narcotic. Suspected carcinogen	Skin	Colorless liquid BP: 60 C Fl.P: 4 C UEL: 12.8% LEL: 9.7 %
trans-1,2-Dichloroethene	156-60-5	TWA 200 ppm	None established	TWA 200 ppm STEL 250 ppm (skin)	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Narcotic. Irritation eyes, skin, respiratory tract, mucous membrane; CNS depression.	Respiratory tract, mucous membrane, eyes, skin, CNS	Colorless liquid with a fruity pleasant odor BP: 48°C Fl.P 6C UEL: 12.8% LEL: 9.7%
Dibenzo[a,h]anthracene	53-70-3	None established	None established	None established	None established	Inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin	Eyes, skin; skin photosensitization.	Colorless crystalline powder BP: 524°C
Dibenzofuran	132-64-9								
Diesel Fuel #2	68476-34-6	TWA 100 mg/m^3; Skin notation	None established	Designated as an OSHA Select Carcinogen	None established	ingestion, skin and/or eye contact	Kidney damage; potential lung damage; suspected carcinogen; irritation of eyes, skin, respiratory tract; dizziness, headache, nausea; chemical pneumonitis (from aspiration of liquid); dry, red skin; irritant contact dermatitis; eye redness, pain.	Eyes, skin, kidneys	Clear yellow brown combustible liquid; floats on water; distinct diesel petroleum hydrocarbon odor. BP: 356-716°F Fl.P: 154.4-165.2°F LEL: 0.6% UEL: 7.0%
Ethylbenzene	100-41-4	TWA 20 ppm	TWA 100 ppm (435 mg/m^3) STEL 125 ppm (545 mg/m^3)	TWA 100 ppm (435 mg/m^3)	800 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma	Eyes, skin, respiratory system, central nervous system	Colorless liquid with an aromatic odor. BP: 277°F Fl.P: 55°F UEL: 6.7% LEL: 0.8% Class IB Flammable Liquid
Fluoranthene	206-44-0	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible burns; heart and liver injury, pulmonary edema, respiratory arrest, gastrointestinal disturbances.	Heart, liver, lungs.	Yellow needles.

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at Site

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Fuel Oil #2	68476-30-2	TWA 100 mg/m3; Skin notation	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; CNS effects; nausea, vomiting, headache, cramping, dizziness, weakness, loss of coordination,, drowsiness; kidney, liver damage	Eyes, skin, CNS	Clear or yellow to red oily liquid, kerosene-like odor BP: 347 - 689 °F UEL:5-6% LEL: 0.7-1.0%
Gasoline	8006-61-9	TWA 300 ppm STEL 500 ppm	Carcinogen	None established	Ca [IDLH value has not been determined]	Skin absorption; inhalation; ingestion; skin and/or eye contact	Eyes and skin irritation, mucous membrane; dermatitis; headache; listlessness, blurred vision, dizziness, slurred speech, confusion, convulsions; chemical pneumonitis; possible liver, kidney damage [Potential occupational carcinogen]	Eyes, skin, respiratory system, CNS, Liver, Kidneys	Clear liquid with a characteristic odor, aromatic Fl.Pt. = -45°F LEL = 1.4% UEL = 7.6% Class 1B Flammable Liquid
Hydrogen Sulfide	7783-06-4	TWA 1 ppm STEL 5 ppm	C 10 ppm (15 mg/m^3) [10-minute]	C 20 ppm 50 ppm [10-minute maximum peak]	100 ppm	inhalation, skin and/or eye contact	Irritation eyes, respiratory system; apnea, coma, convulsions; conjunctivitis, eye pain, lacrimation (discharge of tears), photophobia (abnormal visual intolerance to light), corneal vesiculation; dizziness, headache, lassitude (weakness, exhaustion), irritability, insomnia; gastrointestinal disturbance; liquid: frostbite	Eyes, respiratory system, central nervous system	Colorless gas with a strong odor of rotten eggs. BP: -77°F UEL: 44.0% LEL: 4.0% Flammable Gas
Indeno[1,2,3-cd]pyrene	193-39-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible human carcinogen (skin); weakness; affect liver, lung tissue, renal tissue; impairment of blood forming tissue	Skin	Fluorescent green-yellow crystalline solid BP: 536 C
Lead (inorganic)	7439-92-1	TWA 0.05 mg/m^3	TWA (8-hour) 0.050 mg/m^3	TWA 0.050 mg/m^3	100 mg/m^3 (as Pb)	inhalation, ingestion, skin and/or eye contact	Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension	Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue	A heavy, ductile, soft, gray solid. BP: 3164°F Noncombustible Solid in bulk form
Mercury (organo) alkyl compounds (as Hg)	7439-97-6	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 C 0.04 mg/m^3	2 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Paresthesia; ataxia, dysarthria; vision, hearing disturbance; spasticity, jerking limbs; dizziness; salivation; lacrimation (discharge of tears); nausea, vomiting, diarrhea, constipation; skin burns; emotional disturbance; kidney injury; possible teratogenic effects	Eyes, skin, central nervous system, peripheral nervous system, kidneys	Appearance and odor vary depending upon the specific (organo) alkyl mercury compound
Mercury compounds [except (organo) alkyls] (as Hg) Mercury	7439-97-6	TWA 0.025 mg/m^3 (elemental and inorganic forms)	Hg Vapor: TWA 0.05 mg/m^3 [skin] Other: C 0.1 mg/m3 [skin]	TWA 0.1 mg/m^3	10 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis; tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria	Eyes, skin, respiratory system, kidneys	Metal: Silver-white, heavy, odorless liquid. [Note: "Other" Hg compounds include all inorganic & aryl Hg compounds except (organo) alkyls.] BP: 674°F
Methylene Chloride (Dichloromethane)	75-09-2	TWA 50 ppm, A3 - suspected human carcinogen	Ca	TWA 25 ppm STEL 125 ppm	Ca [2300 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; lassitude (weakness, exhaustion), drowsiness, dizziness; numbness, tingle limbs; nausea; [potential occupational carcinogen]	Eyes, skin, cardiovascular system, central nervous system	Colorless liquid with a chloroform-like odor BP: 104°F UEL: 23% LEL: 13%
Naphtha (Rubber Solvent)	8030-30-6	None established	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	1000 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; dizziness, drowsiness; dermatitis; in animals: liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Reddish-brown, mobile liquid with an aromatic odor BP: 320-428°F Fl.P: 100-109°F Class II Combustible Liquid
Naphthalene	91-20-3	TWA 10 ppm [skin]	TWA 10 ppm (50 mg/m^3) STEL 15 ppm (75 mg/m^3)	TWA 10 ppm (50 mg/m^3)	250 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes; headache, confusion, excitement, malaise (vague feeling of discomfort); nausea, vomiting, abdominal pain; irritation bladder; profuse sweating; jaundice; hematuria (blood in the urine), renal shutdown; dermatitis, optical neuritis, corneal damage	Eyes, skin, blood, liver, kidneys, central nervous system	Colorless to brown solid with an odor of mothballs. BP: 424°F Fl.P: 174°F UEL: 5.9% LEL: 0.9%
Petroleum hydrocarbons(Petroleum distillates)	8002-05-9	None established	TWA 350 mg/m^3 C 1800 mg/m^3 [15 min]	TWA 500 ppm (2000 mg/m^3)	1,100 [10% LEL]	Inhalation; ingestion; skin and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, drowsiness, headache, nausea; dried/cracked skin; chemical pneumonitis	CNS, eyes, respiratory system, skin	Colorless liquid with a gasoline or kerosene-like odor BP: 86-460°F Fl. Pt = -40 to -86°F UEL: 5.9% LEL: 1.1% Flammable liquid
Polychlorinated Biphenyls (PCBs) (Chlorodiphenyl (42% Chlorine))	53469-21-9	TWA 1 mg/m^3	Ca TWA 0.001 mg/m^3	0.5 mg/m^3	5 ppm	Dermal; inhalation; ingestion; skin and/or eye contact	Irritation eyes; chloracne; liver damage; reproductive effects; [potential occupational carcinogen]	Eyes, skin, liver, respiratory system	Colorless to light-colored, viscous liquid, hydrocarbon odor, BP: 617 - 734°F, non-flammable, LEL: NA, UEL: NA
Selenium	7782-49-2	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	1 mg/m^3 (as Se)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; visual disturbance; headache; chills, fever; dyspnea (breathing difficulty), bronchitis; metallic taste, garlic breath, gastrointestinal disturbance; dermatitis; eye, skin burns; in animals: anemia; liver necrosis, cirrhosis; kidney, spleen damage	Eyes, skin, respiratory system, liver, kidneys, blood, spleen	Amorphous or crystalline, red to gray solid. [Note: Occurs as an impurity in most sulfide ores.] BP: 1265°F

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at Site

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Silver	7440-22-4 (metal)	TWA 0.1 mg/m^3 (metal, dust, fume) TWA 0.01 mg/m^3 (Soluble compounds, as Ag)	TWA 0.01 mg/m^3	TWA 0.01 mg/m^3	10 mg/m^3 (as Ag)	inhalation, ingestion, skin and/or eye contact	Blue-gray eyes, nasal septum, throat, skin; irritation, ulceration skin; gastrointestinal disturbance	Nasal septum, skin, eyes	Metal: White, lustrous solid BP: 3632°F
Tetrachloroethene	127-18-4	TWA 25 ppm STEL 100 ppm listed as A3, animal carcinogen	Ca Minimize workplace exposure concentrations	TWA 100 ppm C 200 ppm (for 5 minutes in any 3-hour period), with a maximum peak of 300 ppm	Ca [150 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]	Eyes, skin, respiratory system, liver, kidneys, central nervous system	Colorless liquid with a mild, chloroform-like odor. BP: 250°F Noncombustible Liquid
Toluene	108-88-3	TWA 20 ppm	TWA 100 ppm (375 mg/m^3) STEL 150 ppm (560 mg/m^3)	TWA 200 ppm C 300 ppm 500 ppm (10-minute maximum peak)	500 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; lassitude (weakness, exhaustion), confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Colorless liquid with a sweet, pungent, benzene-like odor. BP: 232°F Fl.P: 40°F UEL: 7.1% LEL: 1.1% Class IB Flammable Liquid
1,1,1-Trichloroethane (Methyl Chloroform)	71-55-6	TWA 350 ppm STEL 450 ppm	C 350 ppm (1900 mg/m^3) [15-minute]	TWA 350 ppm (1900 mg/m^3)	700 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, lassitude (weakness, exhaustion), central nervous system depression, poor equilibrium; dermatitis; cardiac arrhythmias; liver damage	Eyes, skin, central nervous system, cardiovascular system, liver	Colorless liquid with a mild, chloroform-like odor. BP: 165°F UEL: 12.5% LEL: 7.5%
Trichloroethene	79-01-6	TWA 10 ppm STEL 25 ppm	Ca	TWA 100 ppm C 200 ppm 300 ppm (5-minute maximum peak in any 2 hours)	Ca [1000 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]	Eyes, skin, respiratory system, heart, liver, kidneys, central nervous system	Colorless liquid (unless dyed blue) with a chloroform-like odor. BP: 189°F UEL(77°F): 10.5% LEL(77°F): 8%
Vinyl Chloride	75-01-4	TWA 1 ppm	Carcinogen	TWA 1 ppm C 5 ppm [15-minute]	Ca [IDLH value has not been determined]	inhalation, skin, and/or eye contact (liquid)	Lassitude (weakness, exhaustion); abdominal pain, gastrointestinal bleeding; enlarged liver; pallor or cyanosis of extremities; liquid: frostbite; [potential occupational carcinogen]	Liver, central nervous system, blood, respiratory system, lymphatic system	Colorless gas or liquid (below 7°F) with a pleasant odor at high concentrations. BP: 7°F UEL: 33.0% LEL: 3.6% Flammable Gas
Xylene (m, o & p isomers)	108-38-3, 95-47-6, 106-42-3	TWA 100 ppm STEL 150 ppm	TWA 100 ppm (435 mg/m^3)	TWA 100 ppm (435 mg/m^3)	900 ppm	Skin absorption, inhalation, ingestion, skin, and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis	Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys	Colorless liquid with an aromatic odor BP: 282°F, 292°F, 281°F Fl. Pt. 82°F, 90°F, 81°F LEL: 1.1%, 0.9%, 1.1% UEL: 7.0%, 6.7%, 7.0% Class C Flammable Liquid
Zinc Oxide	1314-13-2	TWA 2 mg/m3 STEL 10 mg/m^3	None established	TWA 10 mg/m3 (for zinc oxide fume)	None established	skin and/or eye contact, inhalation, ingestion	Irritation eyes, skin, respiratory tract; gastrointestinal disturbances	Eyes, skin, respiratory system,	Bluish gray solid BP: 1664.6°F Flammable

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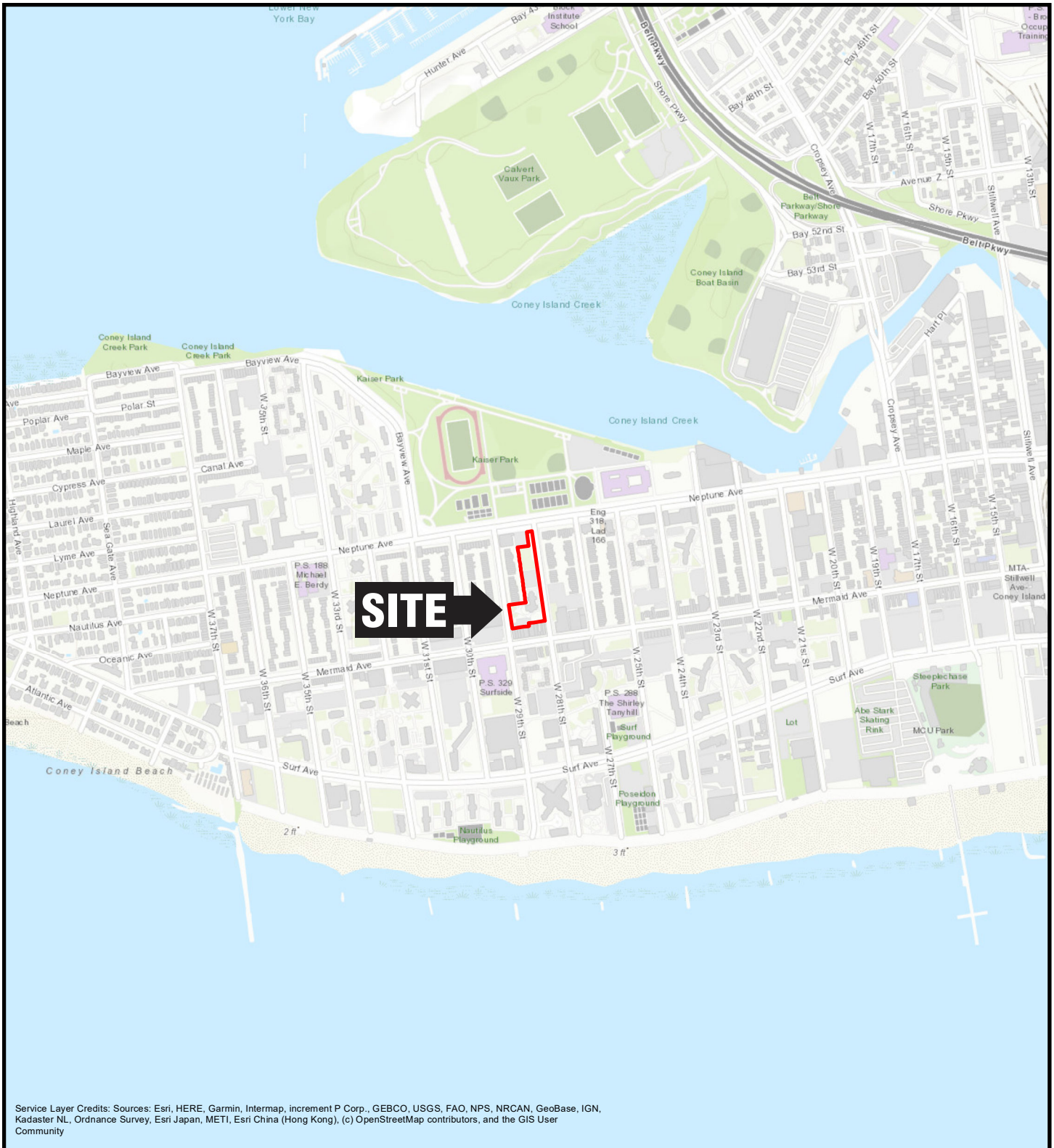
2017 TLVs® and BEIs®, American Conference of Industrial Hygienists

Abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists.
BP – boiling point at 1 atmosphere, °F
C – Ceiling, is a concentration that should not be exceeded during and part of the working exposure.
CAS# - Chemical Abstracts Service registry number which is unique for each chemical.
Ft Pt. – Flash point
IDLH - Immediately Dangerous to Life and Health concentrations represent the maximum concentration from which, in the event of respirator failure, one could escape within 30 minutes without a respirator and without experiencing any escape-impairing or irreversible health effects.
LEL – Lower explosive (flammable) limit in air, % by volume (at room temperature)
mg/m^3 – Milligrams of substance per cubic meter of air
NIOSH - National Institute for Occupational Safety and Health.
OSHA – Occupational Safety and Health Administration
PEL - OSHA Permissible Exposure Limit (usually) a time weighted average concentration that must not be exceeded during any 8 hour work shift of a 40 hr work week.
ppm – parts per million
REL – NIOSH Recommended Limit indicated a time weighted average concentration that must not be exceeded during any 10 hour work shift of a 40 hr work week
SG - Specific Gravity
STEL – Short-term exposure limit (ST)
TLV - ACGIH Threshold Limit Values (usually 8 hour time weighted average concentrations).
TWA – 8-hour, time-weighted average
UEL – Upper explosive (flammable) limit in air, % by volume (at room temperature)
VP - Vapor Pressure

FIGURES

1. Site Location Map
2. Site Plan with Emergency Muster Area
3. Routes to Urgent Care and Hospital



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

QUADRANGLE LOCATION

N

1,000 0 1,000'

Title:

SITE LOCATION MAP

2828 W28TH STREET
BROOKLYN, NEW YORK 11224

Prepared for:

GILBANE DEVELOPMENT COMPANY

ROUX

Compiled by: S.C.	Date: 08/15/2024	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	1
Project Mgr: L.D.	Project: 3868.0006Y000	
File: 3868.0006Y101.1.mxd		

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N

LEGEND

- EMERGENCY MUSTER AREA
- PARCEL BOUNDARY
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)

100 0 100'

Title:

SITE PLAN WITH EMERGENCY MUSTER AREA

2828 W28TH STREET
BROOKLYN, NEW YORK 11224

Prepared for:

GILBANE DEVELOPMENT COMPANY

ROUX

Compiled by: S.C.	Date: 08/15/2024	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	2
Project Mgr: L.D.	Project: 3868.0006Y000	
File: 3868.0006Y101.2.mxd		

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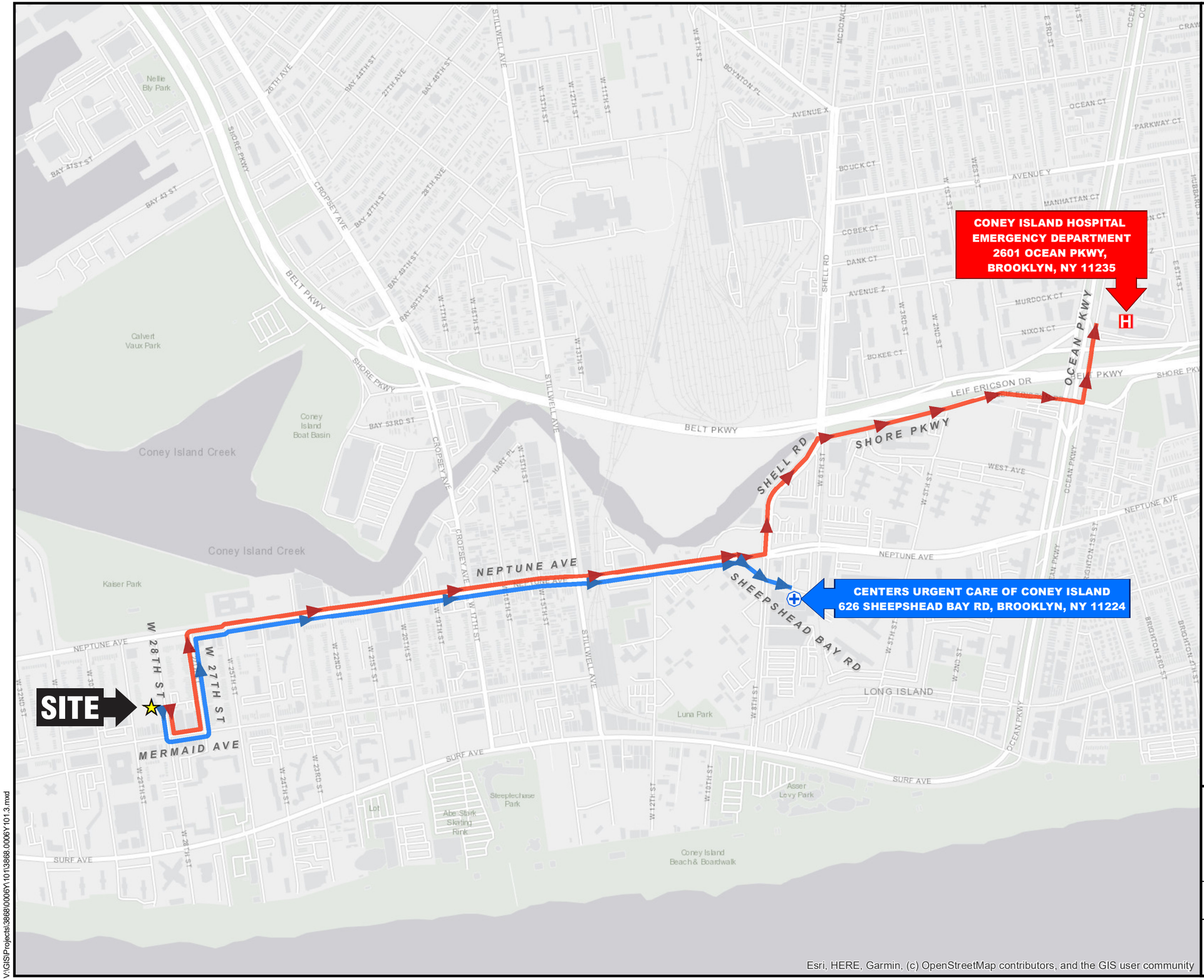

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DIRECTIONS TO HOSPITAL

1. HEAD SOUTH ON W 28TH ST TOWARD MERMAID AVE
2. TURN LEFT ONTO MERMAID AVE
3. TURN LEFT ONTO W 27TH ST
4. TURN RIGHT ONTO NEPTUNE AVE
5. TURN LEFT ONTO SHELL RD
6. TURN RIGHT ONTO SHORE PKWY
7. TURN LEFT ONTO OCEAN PKWY
8. TURN RIGHT INTO PARKING ENTRANCE
9. DESTINATION WILL BE ON THE LEFT

DIRECTIONS TO URGENT CARE

1. HEAD SOUTH ON W 28TH ST TOWARD MERMAID AVE
2. TURN LEFT ONTO MERMAID AVE
3. TURN LEFT ONTO W 27TH ST
4. TURN RIGHT ONTO NEPTUNE AVE
5. TURN RIGHT ONTO SHEEPSHEAD BAY RD
6. DESTINATION WILL BE ON THE RIGHT

800 0 800'

Title:

ROUTES TO URGENT CARE AND HOSPITAL

2828 W28TH STREET
BROOKLYN, NEW YORK 11224

Prepared for:

GILBANE DEVELOPMENT COMPANY

ROUX

Compiled by: S.C.	Date: 08/15/2024	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	3
Project Mgr: L.D.	Project: 3868.0006Y000	
File: 3868.0006Y101.3.mxd		

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APPENDICES

A. Job Safety Analysis (JSA) Forms
B. Safety Data Sheets (SDSs) for Chemicals Used
C. Heat Illness Prevention Program
D. Personal Protective Equipment (PPE) Management Program
E. Subsurface Utility Clearance Management Program
F. Heavy Equipment Exclusion Zone Policy

APPENDIX A

Job Safety Analysis (JSA) Forms

JOB SAFETY ANALYSIS	Ctrl. No. GEN-006	DATE 4/10/2023	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):	
Generic	**Drilling**	**Direct Push Soil Borings / Well Installation**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Timothy Zei	Project Hydrogeologist	Raymond Olson	OHSM
		Brian Hobbs	CHSD

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing, Long Sleeve Shirt	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Insect Repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Geoprobe or Truck-Mounted Direct Push Drill Rig, Hand Tools, Photoionization Detector, Multi-Gas Meter (or equivalent), Macrocore liners, Liner Opening Tool, 20 lb. Type ABC Fire Extinguisher, 42" Cones & Flags, "Work Area" Signs, Water

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilization of drilling rig (ensure the Subsurface Clearance Protocol and Drill Rig Checklist are completed)	**1a. CONTACT:** Equipment/property damage.	1a. The drill rig's tower/derrick will be lowered and secured prior to mobilization. 1a. A spotter should be utilized while moving the drill rig. If personnel move into the path of the drill rig, the drill rig will be stopped until the path is again clear. Use a spotter for all required backing operations. 1a. Set-up the work area and position equipment in a manner that eliminates or reduces the need for backing of support trucks and trailers. 1a. When backing up truck rig with an attached trailer use a second spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver visibility. 1a. Inspect the driving path for uneven terrain. Level or avoid if needed. 1a. Drill rig should have a minimum **exclusion zone which encompasses its tip radius** for non-essential personnel (i.e., driller helper, geologist) when the rig is moving/ in operation.
	1b. FALL: Slip/trip/fall hazards.	1b. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 1b. Use established pathways and walk on stable, secure ground.
	1c. CONTACT: Crushing from roll-over.	1c Geoprobe should cross all hills/obstructions head on with the mast down to reduce risk of roll-over.
2. Raising tower/derrick of drill rig	**2a. CONTACT:** Overhead hazards.	2a. Prior to raising the tower/derrick, the area above the drilling rig will be inspected for wires, tree limbs, piping, or other structures, that could come in contact with the rig's tower and/or drilling rods or tools. 2a. Maintain a safe distance of 10' from overhead structures.
	2b. CONTACT: Pinch Points/Amputation Points when raising the rig and instability of rig	2b. Inspect the equipment prior to use and avoid pinch/amputation points. 2b. Lower outriggers to ensure stability prior to raising rig tower/derrick. 2b. If the rig needs to be mounted, be sure to use three points of contact.
3. Advancement of drilling equipment and well installation	**3a. CONTACT:** Flying debris	3a. Be aware of and avoid potential line-of-fire hazards and wear required PPE such as eye, ear, and hand protection.
	3b. EXPOSURE: Noise and dust.	3b. Wet borehole area with sprayer to minimize dust. 3b. Stand upwind and keep body away from rig. 3b. Dust mask should be worn if conditions warrant. 3b. Wear hearing protection when the drill rig is in operation.
Assess [1]JOB STEPS	**Analyze [2]POTENTIAL HAZARDS**	**Act [3]CRITICAL ACTIONS**

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into six types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

3. Advancement of drilling equipment and well installation (Continued)	**3a. CONTACT:** Flying debris **3b. EXPOSURE:** Noise and dust. **3c. FALL:** Slip/trip/fall hazards. **3d. CAUGHT:** Limb/extremity pinching; abrasion/crushing. **3e. CONTACT:** Equipment imbalance during advancement of drill equipment. **3f. EXPOSURE:** Inhalation of contamination/vapors. **3g. EXERTION:** Potential for muscle strain/injury while lifting and installing well casings, lifting sand bags, and/or lifting rods.	3c. Contain drill cuttings and drilling water to prevent fall hazards from developing in work area. 3c. See 1b. 3d. Ensure all Emergency Safety Stop buttons function properly. 3d. Always wear leather gloves when making connections and using hand tools; wear cut-resistant (i.e., Kevlar) gloves when handling cutting tools. 3d. Inspect the equipment prior to use for potential pinch/amputation points. Keep hands away from pinch/amputation points and use of tools is preferable compared to fingers and hands. 3d. Inspect drill head for worn surface or missing teeth; replace if damaged or blunt. 3d. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 3d. All non-essential personnel should stay away from the immediate work area; position body out of the line-of-fire of equipment. 3d. Drillers and helpers will understand and use the "Show Me Your Hands" Policy. 3d. Spinning rods/casing have an **exclusion zone of tip radius** while in operation. 3e. Drillers will advance the borehole with caution to avoid causing the rig to become imbalanced and/or tip. 3e. The blocking and leveling devices used to secure the rig will be inspected by drillers and Roux personnel regularly to see if shifting has occurred. 3e. In addition, personnel and equipment that are non-essential to the advancement of the borehole will be positioned away from the rig at a distance that is at least as far as the boom is high (**minimum exclusion zone**). 3f. Monitor ambient air for dangerous conditions using a calibrated photoionization detector (PID) to periodically monitor the breathing zone of the work area. 3f. If a reading of >5ppm is recorded, the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings and inform the Roux PM of the condition. The Roux PM will then recommend additional precautions in accordance with the site specific health and safety plan. 3f. Use a multi-gas meter to monitor ambient air for dangerous conditions (i.e. unsafe levels of carbon monoxide when drilling indoors or the presence of explosive vapors). 3g. Keep back straight and bend at the knees. 3g. Utilize team lifting or mechanical means for objects over 50lbs. 3g. Use mechanical lifting device for odd shaped objects.
4. Remove sample liner.	**4a. EXERTION:** Potential for muscle strain/injury while removing liner from probe rod. **4b. CONTACT:** Pinch points and cuts **4c. EXPOSURE:** Inhalation and/or dermal contact with contaminants.	4a Utilize team lifting or mechanical means for objects over 50lbs. 4a. Use hydraulic liner extruder if available. 4b. Place liner on sturdy surface when opening. 4b. Don cut-resistant gloves and use appropriate liner cutter when opening liners. 4b. Always cut away from the body. 4c. Wear chemical-resistant disposable gloves when handling liners. 4c. See 3f.
5. Decontaminate equipment.	**5a. EXPOSURE/CONTACT**: To contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors). **5b. EXPOSURE:** To chemicals in cleaning solution including ammonia.	5a. Wear chemical-resistant disposable gloves and safety glasses. 5a. Contain decontamination water so that it does not spill. 5a. Use an absorbent pad to clean spills, if necessary. 5a. Spray equipment from side angle, not straight on, to avoid backsplash. 5a. See 3b and 3f. 5b. See 4a. Review SDS to ensure appropriate precautions are taken and understood.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	Ctrl. No. GEN-007	DATE 4/10/2023	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**General Site Activity**	**Driving**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Valerie Sabatasso	Project Scientist	Brian Hobbs	CHSD

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather/ cut-resistant level 2
☒ HARD HAT: when outside vehicle	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☐ OTHER _____
☐ LIFELINE / BODY HARNESS	☒ HEARING PROTECTION	☒ PPE CLOTHING: high visibility vest, when outside vehicle	
☒ SAFETY GLASSES:when outside vehicle	☒ SAFETY TOE BOOTS: when outside vehicle		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Motor Vehicle (i.e. car, truck, SUV)

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Driving to/leaving Site	**1a. CONTACT:** Severe injury/disability, property damage, monetary loss (insurance premiums, deductibles, loss of license/job) caused by collision with or struck by other vehicles, obstructions, pedestrians, animals, etc. *Common factors that may lead to CONTACT incident, but not limited to: • distracted driving (cell phone, GPS, radio, billboards, "rubber necking") • lack of situational awareness • unfamiliarity with traffic patterns/road layout • weather conditions (wet/icy roads, hydroplaning, black ice) • weariness • high speeds • obstructed vision (solar glare, debris on windshield, blind spots, large vehicle at the front) • changes in travel pathway (construction, snow banks, non-operational signals, potholes, detours, special events) • improper vehicle maintenance (non-operational signal light, worn tires, cracked windshield, ineffective wipers) • loose or unsecure objects	1a. PLAN AHEAD – review/make yourself familiar with maps and driving directions before beginning the drive to the Site. Do not attempt to drive and review maps/directions at the same time. Pull over and stop your vehicle before looking at maps/directions. 1a. Complete a basic vehicle inspection before driving. Verify Inspection and Registration are current, tires and wipers are in good condition, all lights are functional, all glass/mirrors are undamaged, the horn is functional, roof/hood/trunk are free from accumulated snow and visibility is not impaired due to snow/ice/frost/fog on windows. 1a. Do not hang items in car that can obstruct your view or become projectiles in a collision. 1a. Do not get distracted using touch screen radios or GPS units built into newer models. Keep your eyes on the road and stay alert. 1a. Follow posted speed limits and obey traffic signals and roadway signs. 1a. Always wear your seat belt and shoulder harness when driving. 1a. When driving around large vehicles and trucks, maintain extra space as these vehicles may not be able to see a smaller car too close. 1a. Follow the "Rules of the Road" including: using your turn signals, coming to a complete stop, and allowing vehicles the right of way (yield) when they are when traffic laws require. 1a. Apply the Smith Five Keys® of safe driving • Aim High in Steering® - Expand eye lead time to a minimum of 15 seconds • Get the Big Picture® - Maintain proper a 4 second minimum following distance at all times - Scan mirrors every 5-8 seconds to achieve a circle of awareness - Position your vehicle so you can see relevant/non-relevant objects • Keep Your Eyes Moving® - Try to maintain about 180 degrees of visibility - Avoid blank and fixed stares. Avoid focusing on one object for more than 2 seconds • Leave Yourself an Out® - Avoid traveling in traffic clusters - Surround yourself with space - Anticipate the actions of others

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into six types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Driving to/leaving Site (cont'd)	**1a. CONTACT:** Severe injury/disability, property damage, monetary loss (insurance premiums, deductibles, loss of license/job) caused by collision with or struck by other vehicles, obstructions, pedestrians, animals, etc.	• Make Sure They See You® - Maintain eye contact with on-coming vehicles/pedestrians - Use warning devices (e.g., hand signals, high-lights, horns etc.) - Proper timing is essential 1a. Do not perform reconnaissance or inspections while driving. Your vehicle should be parked in a safe location when viewing or surveying the Site and vicinity 1a. Avoid sudden turns and stops. Don't drive recklessly – be in control of vehicle at all times. 1a. In inclement weather, first determine if work can be POSTPONED. Otherwise, plan according to weather conditions including checking forecast along entirety of travel route (especially, for long distances). Reduce speed as road conditions warrant. Travelling with winter car equipment in the winter is strongly recommended (i.e., shovel, scraper, brush, blanket, extra clothing, flashlight, bag of sand). If your vehicle has 4-wheel drive, review the operators manual and understand operating procedure prior to engaging 4-wheel drive. If at any point on your drive weather becomes too severe to proceed safely pull over if safe to do so or seek nearest cover (e.g., overpass) 1a. If feeling drowsy or sleepy, do not drive. Pull over in a safe place to rest if you experience any signs of drowsiness. Make sure to get adequate sleep the night before an early drive. 1a. Never operate a vehicle under the influence of alcohol or illegal substances or medications affecting your performance. 1a. Keep your eyes on the road. Do not call or talk on cellular phones. Pull over to a safe location if you must answer or make a call. 1a. When parking, pull-through when possible. If backing is required visually inspect area to ensure it is free from obstructions prior to backing in and relying solely on mirrors; use spotters when available.
2. Entering/Exiting Vehicle.	**2a. CAUGHT:** Personal injury (broken fingers/hand) while entering or exiting vehicles **2b. FALL:** Personal injury (twisted ankle, deep contusion, concussion, broken wrist/arm, etc.) from slip/fall on uneven or unstable or slippery surface while exiting/entering vehicle **2c. CONTACT:** Severe injury/disability, property damage, monetary loss (insurance premiums, deductibles, loss of license/job) caused by collision with or struck by other vehicles, obstructions, pedestrians, animals, etc.	2a. Open and close doors slowly. Never put hands or feet in between door and vehicle to avoid pinch points. 2b. When exiting the vehicle make sure your feet are on firm footing and weight is evenly distributed before exiting/standing. In inclement weather use hands to support yourself, by holding the car door and/or steering wheel, when exiting the vehicle. 2c. Check both directions for traffic before opening door. Do not exit vehicle if traffic does not permit you to exit safely 2c. Check anticipated path of door prior to opening, do not open door into any obstructions (e.g., bollards, high curbing)

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	Ctrl. No. GEN-009	DATE: 4/10/2023	☐ NEW ☒ REVISED	PAGE 1 of 1

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
Generic	**O&M**	**Movement of 55-Gallon Drums/Drum Handling with Mobile Carrier**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Michael Sarni	Technician	Brian Hobbs	CHSD

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Cut-resistant gloves
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent long sleeve shirt or long sleeve shirt and reflective safety vest.	☐ OTHER:
☒ SAFETY GLASSES	☒ SAFETY SHOES: Steel or composite toe		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Mobile Drum Carrier, over-pack drum container, safety cones, and caution tape

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment (i.e. forklift) and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Preparing for and Inspection of Drum	**1a. FALL:** Tripping/falling due to uneven surface. Loose debris/garbage in work area.	1a. Clear area of loose garbage and debris. Inspect 55-gal drums for proper condition, labeling, check drum ring and bolts for tightness, inspect mobile drum carrier. 1a. Do a Test Lift to get a general sense of the weight of the drum. 1a. Inspect and use established pathways to avoid uneven terrain, weather-related hazards (i.e., debris, puddles, ice, etc.), and other obstructions. 1a. Secure work area and coordinate and communicate the planned work activities with other personnel working in the area. 1a. Delineate work area with 42" safety cones.
	1b. CONTACT/EXPOSURE: Drums could potentially be damaged or contain hazardous material. Mobile drum carrier could potentially be in poor working condition causing malfunctioning during operation.	1b. Prior to inspecting drums don cut-resistant gloves. If drum is not properly labeled, do not open and cease all drum transport activities. Immediately contact project manager and inform him/her of drum situation. 1b. Do not continue drum transport activities until further actions are determined by the project manager. 1b. If the drum is properly labeled, but leaking, improperly sealed or in poor condition, place drum in an over-pack drum. 1b. Inspect mobile drum carrier to ensure its overall integrity. Look for rust marks or potential weak points where the drum carrier could malfunction. Inspect the wheels to ensure that they easily turn and nothing is impeding their movement.
	1c. EXERTION/CAUGHT: Potential pinching/exertion hazards while securing ring/ tightening bolts	1c. Keep back straight and knees slightly bent while securing drum ring/tightening bolt. Wear cut-resistant gloves.
2. Position drum clamp tightly in between drum ribs, securing drum clamp to drum with chain	**2a. CAUGHT:** Pinching fingers between drum clamp and handle/chain.	2a. Attach drum clamp with chain and tighten until snug. Do not place hands between drum clamp and drum as the chain is tightened; wear cut resistant gloves. Keep face away from drum when handling in case of escaping vapors.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into six types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy source – electricity, pressure, compression/tension.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift." Avoid general statements such as, "be careful."

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Disengage safety latches on handle, pull handle down until drum is lifted off ground and safety latches are reengaged; slightly suspending drum off the ground	**3a. EXERTION/ CONTACT:** Potential muscle strain associated with lifting/engaging drum/handle. Drum could shift/slip downward and crush toes.	3a. Ascertain whether the drum is overweight; if it is, then two people are needed to lower handle while drum is secured with clamp so that safety latches can be engaged. Keep body out of the lin-of-fire of the handle (do not position head above handle) as it is being pushed down. Do not allow feet/toes to be positioned under the drum as it is being lifted; wear steel/composite-toed boots.
	3b. CAUGHT: Fingers could be pinched while engaging/disengaging safety latches on handle	3b. Wear cut-resistant gloves while disengaging/reengaging safety latches. 3b. Avoid placing hands in pinch points.
4. Transport drums to designated location and disengage drum clamp (repeat Step 3 in reverse order)	**4a. FALL:** Tripping/ falling due to obstructions and uneven terrain. Potential for drum to fall during transport.	4a. Ensure transport path is free of potential obstructions that may cause the drum/carrier to become unstable. Position drum clamp between the ribs on the drum to prevent possible slipping.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift." Avoid general statements such as, "be careful."

JOB SAFETY ANALYSIS	Ctrl. No. GEN-010	DATE 4/10/2023	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
Generic	**Surveying**	**Elevation Surveying**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Bjorn Wespestad	Senior Engineer	Brian Hobbs	CHSD
William Hansen	Senior Engineer		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Cut-resistant or leather
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☒ OTHER: Long sleeve Shirt
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Steel-toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Surveying equipment (i.e., leveling rod/measuring ruler, tripod and autolevel).

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Check in with Site manager/ property owner.	**1a. CONTACT/EXPOSURE/FALL:** Lack of communication could result in H&S incident.	1a. Inform Site personnel of work scope, timeline and location(s). 1a. Inquire about other activities taking place at the Site. 1a. If applicable, obtain General Work permit for the day.
2. Locate surveying position for instrument and rod and set-up work area	**2a. FALL:** Slip/trip hazards	2a. Inspect area for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.) and obstructions prior to setting up at the survey location. Keep eyes engaged with walking surface while in movement. Remember "Walking is Working." 2a. Conduct housekeeping and maintain clear paths to walk in and remove debris as required.
	2b. CONTACT: Traffic (surveying locations could potentially be in parking areas and sidewalks)	2b. Be aware of oncoming traffic. Utilize a flagman / spotter for locations in streets or high-traffic areas. 2b. Place 42 inch cones around the work area and delineate work zone with caution tape, snow fencing or safety bars, if necessary. 2b. Wear appropriate PPE including long-sleeved high visibility clothing and or reflective safety vest. 2b. Face traffic, maintain eye contact with oncoming vehicles and establish a safe exit route.
	2c. OVEREXERTION: Hazard due to carrying, lifting, and bending while transporting equipment	2c. Use proper body positioning and lifting techniques; keep back straight, lift with legs, keep load close to body, and never reach with a load. 2c. Avoid carrying too much equipment at one time and team-lift equipment that is heavier than 50 lb.
	2d. CAUGHT/CONTACT: Pinch Points / sharp edges associated with setting up the tripod	2d. Wear cut resistant gloves when handling the tripod and keep fingers away from pinch points located near moving parts of the tripod. Don't carry tripod by the pointed ends.
	2e. OVEREXERTION: Hazard due to bending awkwardly to look through the autolevel	2e. When practical, set the height of the autolevel optic so as to minimize bending at the waist.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Open / close manhole cover to well that is being surveyed (if necessary).	**3a. OVEREXERTION:** Muscle strain	3a. See 2c. Bend knees when reaching to open well. Use manhole lifting hook or pry bar to avoid bending.
	3b. CAUGHT: Pinch points associated with removing / replacing manholes and working with hand tools	3b. Wear leather gloves or cut resistant gloves when working with well cover and hand tools. 3b. Use proper tools (ratchet and crowbar, pry bar or magnet for well cover) and inspect before use. 3b. Do not put fingers under well cover.
	3c. EXPOSURE: To potentially hazardous vapors To biological hazards	3c. No open flames/heat sources. 3c. To minimize exposure to vapors, allow well to vent after opening it and before survey activities begin. 3c. Work on the upwind side of manhole/well. 3.c Use caution while opening lids to inspect work area for bees and insects inside of covers. 3c. Use insect/tick repellent as necessary.
	3d. CONTACT: With traffic	3d. See 2b.
4. Perform survey.	**4a. FALL:** Slip/trip hazards	4a. See 2a.
	4b. CONTACT: Traffic (surveying locations could be potentially located in parking areas and sidewalks)	4b. See 2b. 4b. Personnel using the scope will be devoting most of their attention to the surveying activity and shall be aware of vehicular and pedestrian traffic. Personnel holding the measuring stick should be extra vigilant of survey personnel and communicate any potential hazards to the instrument person via handheld radio or similar means. Ensure reflective safety vest is worn.
	4c. ENERGY SOURCES: Electrical shock from survey rod striking overhead electric lines or lights	4c. Prior to raising and extending the survey rod, personnel should thoroughly inspect the area above the measuring point. If overhead electrical lines are encountered within 20 feet of the measuring point; stop work and consult with the Office Health and Safety Officer.
5. Break down work area.	**5a. CONTACT:** Traffic (surveying locations can potentially be in parking areas and sidewalks)	5a. See 2b.
	5b. EXERTION: Hazard due to carrying, lifting, and bending while transporting equipment	5b. See 2c.
	5c. CONTACT: Personal injury or equipment damage by striking surroundings with an extended rod or unsecured tripod leg	5c. Ensure rod is entirely collapsed prior to mobilization / demobilization between survey points. 5c. Ensure tripod legs are fully collapsed and secured with strap prior to mobilization / demobilization between set-ups.

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JOB SAFETY ANALYSIS Ctrl. No. GEN-013	DATE 4/10/2023	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE:	WORK ACTIVITY (Description):	
Generic	**Gauging and Sampling**	**Gauging and Sampling**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Tim Unalp	SHSO	Brian Hobbs	CHSD

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☒ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☐ HEARING PROTECTION ☒ SAFETY SHOES: Composite-toed or steel-toed boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Knee pads, Insect Repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

42-inch Safety Cones, Caution Tape, Interface Probe with Ground Clamp, and/or Water Level Meter, 20-lb., Type ABC Fire Extinguisher, Buckets. Tools as needed: Socket Wrench, Screw Driver, Crow Bar, Mallet, and Wire Brush.

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilization to monitoring well(s).	**1a. FALL:** Personal injury from slip/trip/fall due to uneven terrain and/or obstructions.	1a. Inspect pathway and plan for most suitable designated pathway prior to mobilization. 1a. Use established pathways, walk and/or drive on stable, secure ground and avoid steep hills or uneven terrain. 1a. If working near open water with an unguarded edge, wear life vest.
	1b. CONTACT: With traffic/third parties.	1b. Identify potential traffic sources and delineate work area with 42-inch traffic safety cones. Position vehicle to protect against oncoming traffic. Use caution tape to provide a more visible delineation of the work area if necessary. 1b. Wear appropriate PPE including high visibility clothing or reflective vest. 1b. Face traffic, maintain eye contact with oncoming vehicles, and establish a safe exit route.
	1c. EXERTION: Muscle strain from lifting equipment	1c. Use proper lifting techniques when handling/moving equipment; bend knees and keep back straight. 4c. Use mechanical assistance or team lifting techniques when equipment is 50 lbs. or heavier. 4c. Make multiple trips to carry equipment.
	1d. EXPOSURE: To biological hazards.	1d. Inspect work area for bees and insects. 1d. Use insect/tick repellent as necessary.
2. Open/close well.	**2a. EXERTION:** Muscle strain.	2a. Use proper lifting techniques; keep back straight, lift with legs and bend knees when reaching to open/close well.
	2b. CAUGHT: Pinch/crush points associated with removing/replacing manholes and working with hand tools.	2b. Wear leather gloves or cut resistant gloves when working with well cover and hand tools. 2b. Use proper tools (ratchet and pry bar or magnet for well cover) and inspect before use. 2b. Do not put fingers under well cover.
	2c. CAUGHT: Pinch points associated with placing J-plug back onto PVC pipe.	2c. See 2b. 2c. Keep fingers out of line-of-fire when securing cap.
	2d. EXPOSURE: To potential hazardous vapors.	2d. No open flames/heat sources. 2d. To minimize exposure to vapors, allow well to vent after opening it and before sampling activities begin. 2d. Stand up-wind if possible, to avoid inhaling vapors.
3. Gauge well.	**3a. CONTACT:** With contamination (e.g. contaminated groundwater).	3a. Wear chemical-resistant disposable gloves (over cut-resistant gloves) and safety glasses when gauging well. 3a. Insert and remove probe slowly to avoid splashing. 3a. Use an absorbent pad to clean probe.
	3b. CONTACT: With traffic.	3b. See 1b.
	3c. Exposure: To static electricity, fire or explosion.	3c. Ground interface probe to a designated grounding point/rod, well casing or suitably electrically conductive surface to dissipate static electricity.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
4. Purge and sample well	**4a. EXPOSURE/CONTACT:** To contamination (e.g., SPH, contaminated groundwater, vapors) and/or sample preservatives.	4a. Open and fill sample jars slowly to avoid splashing and contact with preservatives. 4a. Wear cut-resistant gloves and chemical-resistant disposable gloves when sampling. 4a. Fill sample containers over purge container to avoid spilling water onto the ground. 4a. Use an absorbent pad to clean spills. 4a. When using a bailer to purge a well, pull the bailer slowly from the well to avoid splash hazards. 4a. When sampling or purging the water using a bailer, pour out water slowly to reduce the potential for splash hazards with groundwater. 4a. When using a tubing valve always remove the valve slowly after sample collection to release any pressure and avoid pressurized splash hazards. 4a. When collecting a groundwater sample always point sampling apparatus (tubing, bailer, etc.) away from face and body.
	4b. CONTACT: Personal injury from cuts, abrasions, or punctures by glassware or sharp objects.	4b. To avoid spills or breakage, place sample ware on even surface. 4b. Do not over tighten caps on glass sample ware. 4b. Wear chemical-resistant nitrile disposable gloves over cut-resistant (i.e., Kevlar) gloves when sampling and handling glassware (i.e., VOA vials) or when using cutting tools.
	4c. EXERTION: Muscle strain while carrying equipment.	4c. Use proper lifting techniques when handling/moving equipment, bend knees and keep back straight. 4c. Use mechanical assistance or team lifting techniques when equipment is 50 lbs. or heavier. 4c. Make multiple trips to carry equipment.
	4d. CONTACT: With traffic.	4d. See 1b.
	4e. CONTACT: Pinch points with groundwater pump components (i.e., wheel, line, clamps).	4e. Wear leather/cut-resistant gloves when working with groundwater pumps. 4e. Never place hands on or near pinch points such as the wheel, clamps or other moving parts during pump operations. 4e. Use the correct mechanisms, such as a pump reel, to lower pump into well. 4e. Never attempt to manually stop any moving part of equipment including hose reels and/or tubing.
	4f. EXERTION: Muscle strain from repetitive motion of bailing and sampling a well.	4f. See 4c. 4f. Include a stretch break when repetitive motions are part of the task.
5. Management of purge water.	**5a. EXPOSURE/CONTACT:** To contamination (e.g., SPH, contaminated groundwater, vapors).	5a. Do not overfill container and pour liquids slowly so that they do not splash. 5a. Properly dispose of used materials/PPE in appropriate container in designated storage area.
	5b. EXERTION: Muscle strain from lifting/carrying and moving containers.	5b. Use proper lifting techniques when lifting / carrying or moving container(s) (see 4c.). 5b. Do not overfill container(s).
6. Decontaminate equipment.	**6a. EXPOSURE/CONTACT:** To contamination (e.g., SPH, contaminated groundwater, vapors).	6a. Work on the upwind side, where possible, of decon area. 6a. Wear chemical-resistant disposable gloves and safety glasses. 6a. Use an absorbent pad to clean spills.
	6b. CAUGHT: Pinch points associated with handling hand tools	6b. See 2b. 6b. Inspect hand tools for sharp edges before decontaminating.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-014	DATE: 4/10/2023	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):	
Generic	**Drilling**	**Hollow Stem Auger Soil Borings / Well Installation**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Douglas Ferraiolo	Project Geologist	Brian Hobbs	CHSD
Tim Unalp	SHSO		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☒ GOGGLES: Spoggles required if winds exceed 15 mph. ☐ FACE SHIELD ☒ HEARING PROTECTION: (as needed). ☒ SAFETY SHOES: Steel or Composite Toe.	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent long-sleeve shirt or long-sleeve shirt and reflective safety vest.	☒ GLOVES: Leather, Cut-Resistant, and Nitrile. ☒ OTHER: Insect Repellant, Sunscreen (as needed).

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Truck-Mounted Drilling Rig or Track Rig, Saw, Hand Tools, Photoionization Detector, Multi-Gas Meter (or equivalent), Interface Probe, 20 lb. Type ABC Fire Extinguisher, 42" Cones & Flags, "Work Area" Signs.

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilization / demobilization and establish a work area.	**1a. See Mobilization/ Demobilization JSA GEN-015.**	1a. See Mobilization / Demobilization JSA GEN-015.
2. Raising tower / derrick of drilling rig.	**2a. CONTACT:** Overhead hazards.	2a. Prior to raising the tower / derrick, the area above the drilling rig will be inspected for overhead hazards (wires, tree limbs, piping or other structures) that may be contacted by the rig's tower or drilling rods. 2a. The tower / derrick must not be raised beneath overhead power lines unless approved by the Roux PM. 2a. Maintain a minimum of 10' from all overhead structures. 2a. Do not move the rig while the tower / derrick is raised.
	2b. CONTACT: Amputation / crush points when raising the rig and instability of rig.	2b. Inspect the equipment prior to use and avoid any potential amputation points. 2b. Lower outriggers to ensure stability prior to raising rig tower derrick. Keep feet and body out of the line of fire when lowering out-riggers. 2b. Inspect the set-up location for uneven terrain. Level or avoid area if needed. 2b. If the rig needs to be mounted, be sure to use three points of contact.
3. Advancement of augers for soil boring installation.	**3a. CONTACT:** Equipment imbalance during advancement of drill equipment.	3a. Drillers will advance the borehole with caution to avoid causing the rig to become imbalanced and / or tip. 3a. The blocking and leveling devices used to secure the rig will be inspected by drillers and Roux personnel regularly to see if shifting has occurred. **3a. Drillers will maintain the "Purple Zone" policy surrounding augers to ensure no personnel come into contact with augers while in use. Workers will spray paint a 3' semi-circle surrounding the augers to visually show that no personnel should enter the "Purple Zone" while drilling activities are being conducted.** 3a. In addition, personnel and equipment that are non-essential to the advancement of the borehole will be positioned away from the rig at a distance that is at least as far as the boom is high (minimum exclusion zone of 20 feet).
	3b. CONTACT: Flying / spraying debris.	3b. Wear all required PPE (especially hand, eye, and ear protection). 3b. Maintain minimum EZ distance (i.e. swing/tip radius of rig) when rig is in operation to avoid potential line of fire hazards from flying materials or debris.
	3c. CAUGHT: Limb/extremity amputation, abrasion, and crushing.	3c. Inspect the equipment prior to use for potential pinch points. 3c. Test all emergency shutdown devices prior to drilling. 3c. Inspect drill head for worn surface or missing teeth; replace if damaged or blunt. 3c. Inspect augers, do not use if auger flight is damaged or bent.
Assess	**Analyze**	**Act**

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[1]JOB STEPS	[2]POTENTIAL HAZARDS	[3]CRITICAL ACTIONS
3. Advancement of augers for soil boring installation (Continued).		3c. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 3c. All non-essential personnel should stay away from the immediate work area; position body out of the line-of-fire of equipment particularly when installing auger flights and steel override casings. 3c. Drillers and helpers will understand and use the "Show Me Your Hands" Policy. 3c. Spinning augers should have an exclusion zone of 20 feet when in operation.
	3d. FALL: Slip/trip/fall hazards.	3d. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 3d. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 3d. Use established pathways and walk on stable, secure ground. 3d. Use three points of contact when mounting or dismounting the rig. 3d. Remove soil cuttings to avoid a tripping hazard from developing near augers.
	3e. EXPOSURE: Inhalation of contamination / vapors.	3e. Air monitoring using a calibrated photoionization detector (PID) to periodically monitor the breathing zone of the work area. 3e. The Action Level for breathing zone air is five parts per million (sustained) as detected by the PID. 3e. If a reading of >5ppm is recorded, the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings and inform the Roux PM of the condition. The Roux PM will then recommend additional appropriate precautions in accordance with the site specific health and safety plan.
	3f. EXPOSURE: Noise and dust.	3f. Wet borehole area with sprayer to minimize dust. Stand upwind and keep body positioned away from rig. 3f. Wear hearing protection while drill rig is operating and / or the noise levels exceed 85 dBA.
	3g. EXERTION: Installing well casings and lifting augers.	3g. Keep back straight and bend at the knees. 3g. Utilize team lifting for objects heavier than 50lbs. 3g. Use mechanical lifting device for odd shaped objects.
4. Installation of well materials.	**4a. CONTACT:** Installing well materials while also pulling up augers. **4b. CAUGHT:** Possible pinch or crush hazard assembling PVC and sending down the borehole. **4c. FALL:** Slip/trip/fall hazards with hand tools and materials. **4d. EXPOSURE:** Potential contamination, harmful vapors, dust, and / or noise. **4e. EXERTION:** Lifting heavy bags of materials to backfill borehole.	4a. Potential contact with augers during installation of well materials. 4a. Keep distance from augers and do not place any materials while augers are in motion. 4b. Keep all body parts out of potential pinch points while placing PVC together and sending down borehole. 4c. See 3d. 4d. See 3e and 3f. 4d. Stand upwind to avoid exposure to dust generated from packing materials. 4e. See 3g.
5. Cleaning the auger flights	**5a. CONTACT:** Cuts/scrapes or puncture wound from contacting auger.	5a. Follow "Show Me Your Hands" Procedure and make sure auger is out of gear before contacting auger with tool or hand. 5a. Pull cleaning tool across your body with handle away from body; do not push toward the auger. 5a. Do not clean more than ¾ turn around the auger at a time. 5a. Wear cut resistant and leather gloves. 5a. Always use two hands to operate cleaning tool. 5a. Inspect tool before use and remove from service if handle or metal are cracked/fatigued. 5a. Stand out of the line of fire.
6. Decontaminate equipment.	**6a. EXPOSURE / CONTACT:** To contamination (e.g., contaminated groundwater, vapors). **6b. EXPOSURE**: To chemicals in cleaning solution (including ammonia).	6a. Wear chemical-resistant disposable gloves and safety glasses. 6a. Contain decontamination water so that it does not spill. 6a. Use an absorbent pad to clean spills, if necessary. 6b. See 3e. Wear all appropriate PPE and stand upwind of any exposed cleaning solutions.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-015	DATE: 4/10/2023	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)	
GENERIC	**Site Recon**	**Mobilization/Demobilization**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Tim Unalp	SHSO	Brian Hobbs	CHSD

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION (as needed) ☒ SAFETY SHOES: Steel Toe or composite toe	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest of high-visibility clothing; long sleeve shirt; long pants	☒ GLOVES: Leather, nitrile, and cut resistant (as needed) ☐ OTHER

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment: Varies

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilize/demobilize and establish work area	**1a. FALL:** Slip/trips/falls from obstructions, uneven terrain, weather conditions, heavy loads, and/or poor housekeeping.	1a. Use 3 points-of-contact/ensure secure footing when entering and exiting vehicle. 1a. Inspect walking path for uneven terrain, steep hills, obstructions, and/or weather-related hazards (i.e., ice, snow, and puddles) prior to mobilizing equipment. Use established pathways. Walk on stable/secure ground. 1a. Do not climb over stored materials/equipment; walk around. Practice good housekeeping; organize and store equipment neatly in one area at its lowest potential energy. 1a. Wear boots with adequate treads. 1a. Delineate unsafe areas with 42” cones, caution tape and/or flagging.
	1b. CONTACT: Personal injury and/or property damage caused by being struck by Site traffic or equipment used in Site activities.	1b. Observe and maintain the posted speed limits. 1b. When first arriving onsite, park vehicles in designated parking space and/or out of the way locations. Use parking brake on all vehicles and tire chocks on work trucks and trailers. 1b. Check in with Site Manager/Supervisor to ensure coordination with other Site activities and to discuss any special hazards. Ensure that short-service employees (SSE) are identified. 1b. Identify potential traffic sources. 1b. Wear PPE including high visibility clothing or reflective vest. 1b. Use a spotter while moving work vehicles; plan ahead to avoid backing whenever possible. 1b. Maintain a minimum exclusion zone when vehicles are in motion (i.e. greater than swing/tip radius of equipment). When backing up truck rig with an attached trailer use a second spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver-to-spotter visibility. 1b. Delineate work area with 42” cones, flags, caution tape, and/or other barriers. 1b. Position “Work Area” signs at Site entrances, if possible, or at either side of work area.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift." Avoid general statements such as, "be careful."

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
		1b. Position largest vehicle to protect against oncoming traffic. 1b. Face traffic, maintain eye contact with oncoming vehicles, use a spotter, and establish a safe exit route. 1b. Observe potential overhead and ground surface features that may interfere with moving equipment. Clear the path of physical hazards prior to initiating mobilization.
	1c. CAUGHT: Personal injury from pinch points and being in line-of-fire of vehicle and/or equipment.	1c. Make sure driver has engaged parking brake and placed wheel chocks in a position to prevent movement. Be sure that vehicle is parked in front/down gradient (positioned to best block oncoming traffic) of work area. 1c. Wear leather gloves when handling any tools or equipment. Wear cut-resistant gloves (Kevlar or similar) when handling sharp objects/cutting tools/glass. 1c. Keep body parts away from line-of-fire of equipment. 1c. Always carry tools by the handles and/or designated carrier. Ensure sharp-edged tools are sheathed/secure. 1c. Remove any loose jewelry. Avoid wearing loose clothing and/or ensure loose clothing is secure. 1c. Secure all items on the equipment, tighten up any items or features that have potential to shift or break during mobilization.
	1d. OVEREXERTION: Muscle strains while lifting/carrying equipment.	1d. Use body positioning and lifting techniques that avoid muscle strain; keep back straight, lift with legs, turn with whole body, keep load close to body, and never reach with a load. 1d. Ensure that loads are balanced. Use assistance (mechanical or additional person) to carry equipment that is either unwieldy or over 50 lbs.
	1e. EXPOSURE: Personal injury from exposure to biological and environmental hazards.	1e. Inspect area to avoid contact with biological hazards (i.e. poisonous plants, stinging insects, ticks, etc.). 1e. Wear long sleeved clothes treated with Permethrin, apply insect repellant containing DEET to exposed skin, and inspect clothes and skin for ticks during and after work. 1e. Apply sunscreen (SPF 15+) if exposure to sun for 30 minutes or more is expected.
	1f. EXPOSURE: Weather related injuries.	1f. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, nausea, rapid and shallow breathing). Take breaks in cool places and hydrate as needed. 1f. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks in warm areas as needed. 1f. Wear clothing appropriate for weather and temperature conditions (e.g., rain jackets, snow pants, multiple layers). 1f. If lightning is observed, wait 30 minutes in a sheltered location (car is acceptable) before resuming work.
	1g. EXPOSURE: Personal injury from noise hazards.	1g. Wear hearing protection if sound levels exceed 85 dBA (if you must raise your voice for normal conversation).

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-017	DATE: 04/10/2023	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):	
GENERIC	**Drilling**	**Monitoring and Recovery Well Development**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Ron Lombino	Senior Hydrogeologist	Brian Hobbs	CHSD
Courtney Lind	Senior Engineer		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Leather or cut-resistant and Nitrile ☒ OTHER: Insect repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment as needed: Truck Rig or support truck, Trailer, 42-inch Safety cones and flags, Caution Tape, Interface Probe, Power Source, Submersible Pump, Surge Block/Plunger, 20 lb. Type ABC Fire Extinguisher, Holding Tanks and/or Buckets, Absorbent Pads, 5-gas meter, Tools as needed: Socket and Pipe Wrench, Screw Driver, Pry Bar, Ratchet, Vault Key, Clamp or Vice Grip.

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilization / Demobilization (**Review Mobilization and Demobilization JSA - GEN-015**)	**1a. CONTACT:** Equipment/property damage.	1a. The truck rig's tower/derrick will be lowered and secured prior to mobilization. 1a. Set-up the work area / position equipment in a manner that eliminates or reduces the need for backing of trucks and trailers. 1a. All non-essential personnel should **maintain an exclusion zone greater than the swing/tip radius of equipment.** 1a. Beep horn twice before backing up. 1a. When backing up with an attached trailer use a spotter Level or avoid if needed.
	1b. FALL: Slip/trip/fall hazards.	1b Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Store equipment at lowest potential energy.
2. Open/close well.	**2a. EXERTION:** Muscle strain (some wells have large vault covers).	2a. Keep back straight, lift with legs, keep load close to body, and never reach with a load. Ensure that loads are balanced to reduce the potential for muscle strain. Use the buddy system or mechanical means when lifting objects heavier than 50 lbs or when the shape makes the object difficult to lift.
	2b. CAUGHT: Pinch points associated with removing/replacing manholes and working with hand tools.	2b. Wear cut-resistant/leather gloves when working with well vault/cover and hand tools. Do not put fingers under well vault/cover. 2b. Use ratchet and pry bar for well cover and inspect before use.
	2c. EXPOSURE: Potentially hazardous vapors.	2c. No open flames/heat sources. 2c. Allow well to vent after opening it and before starting development activities to minimize exposure to vapors. Air monitoring must be performed prior to set up and during the well development activities. Work on upwind side of well.
	2d. CONTACT: Traffic.	2d. Wear required PPE including high visibility clothing or reflective vest. 2d. Delineate work area with 42" safety cones and/or other barriers. Position vehicle to protect against oncoming traffic. 2d. Face traffic, maintain eye contact with oncoming vehicles, and establish a safe exit route.

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Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Develop well (mechanical surging).	**3a. CAUGHT:** Cut hazards and finger pinch points.	3a See 2b. 3a. Use required PPE including leather/cut-resistant gloves when handling development equipment. Identify finger/hand pinch points. Keep hands away from active surge equipment. 3a. All non-essential personnel should **maintain an exclusion zone greater than the swing/tip radius of equipment.**
	3b. CONTACT/EXPOSURE: Contamination (e.g., SPH, contaminated groundwater, vapors).	3b. See 2c. 3b. Wear Nitrile gloves and safety glasses. Insert and remove surge block/plunger and line/cable slowly to avoid splashing at the surface. 3b. Use an absorbent pad to clean any spills.
	3c. EXERTION: Muscle strain from lifting equipment.	3c. See 2a. 3c. Use mechanical device to insert and remove surge block/plunger if greater than 50lb.
	3d. CONTACT: Injury while handling wench line/cable, or with active surging equipment.	3d. If using a drill rig, inspect all wench lines/cables for any kinks or if frayed prior to use. Replace any damaged lines/cables. Review **Drill Rig checklist prior to development activities**. 3d. See 3a.
4. Purging well (pumping water to holding tanks/drums/buckets).	**4a. CAUGHT:** Pinch points associated with connecting hose to tank. Pinch points associated with handling pump and hoses.	4a. See 3a. 4a. Ensure that fingers are not placed near coupling when attaching and securing hose(s). Do not place fingers under pump/hoses. Wear leather or cut-resistant gloves when handling pump/hose(s). 4a. Keep hands clear from any line-of-fire.
	4b. FALL: Using side mounted ladder when attaching hose to tank. Slip, trip, fall from lines/hoses	4b. Inspect ladder steps to make sure steps are not bent/damaged and free of debris/fluid. 4b. Use three points of contact always when using a ladder. 4b. Use a hoist or other mechanical means to secure and move hoses. 4b. Utilize anti-whip cords and secure couplings on all pressurized hoses. Keep hoses and lines coiled and organized out of designated walking paths around the work zone.
	4c. CONTACT: Contamination (e.g., SPH, contaminated groundwater).	4c. Secure water hose to holding tanks/drums/buckets with clamp, vice grip, or similar tool. 4c. Do not overfill tanks, and purge/transfer liquids in such a manner that they do not splash. (See 3b). 4c. Dispose of used materials/PPE in the designated impacted PPE container.
	4d. EXERTION: Muscle strain from lifting/carrying equipment.	4d. See 2a.
	4e. FALL: Spilled purge water.	4e. Clean up any spills using absorbent pads or spill kits.
5. Decontaminate equipment	**5a. CONTACT/EXPOSURE:** Contamination (e.g., SPH, contaminated groundwater, vapors).	5a. See 3b.
	5b. EXPOSURE/CONTACT: Chemicals in cleaning solution	5b. Decontaminate equipment in a well-ventilated area. Wear nitrile gloves to avoid skin contact with cleaning solutions.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-019	DATE: 4/10/2023	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Site Reconnaissance**	**Site Walk and Inspection**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Sara Barrientos	Project Geologist	Brian Hobbs	Corporate Health and Safety Director
Tim Unalp	SHSO	Joe Duminuco	Executive Vice President

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: ear plugs as necessary ☒ SAFETY SHOES: Steel or composite toed	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: High-visibility vest or high-vis outerwear	☒ GLOVES: Leather/cut-resistant/chemical resistant ☒ OTHER: Tyvek and rubber boots as necessary, dust mask as necessary

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment: Site map, emergency contact list, documentation of urgent care/hospital routes and / or guide familiar with Site, operating cell phone or walkie-talkie if Site allows, and bug spray.

Commitment to Safety – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

SITE SECURITY: Prior to site inspection verify appropriate method to address Site Security concerns as it relates to potential criminal activity, homeless population, and/or isolation concerns. Work with the Project Principal and/or Project Manager to address appropriately.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Check in with Site contact.	**1a. CONTACT/EXPOSURE/FALL:** Personal injury caused by lack of awareness of site-specific hazards.	1a. Inquire about hazards and other activities taking place at the Site. 1a. Inform Site contact of work scope, timeline and location(s). 1a. Discuss emergency evacuation procedures and muster points with Site contact.
2. Traversing the Site	**2a. CONTACT:** Property damage and personal injury caused by obstructions/vehicles or unauthorized personnel at remote Sites.	2a. All equipment must be stowed and secured prior to moving. 2a. Maintain speed limit as posted on-site. 2a. When possible, drive on established roadways. 2a. Yield to all pedestrians. 2a. Use pull-through spots or back into parking spots. 2a. Don high visibility clothing/safety vest. If working at remote Site, add orange accessories during hunting season.
	2b. FALL: Uneven terrain and weather conditions. Overgrown shrubs and vines. Equipment in the work zone.	2b. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 2b. When possible, use established pathways and walk on stable, secure ground. 2b. Communicate traversing hazards with others.
	2c. OVEREXERTION: Muscle strain while carrying equipment.	2c. When carrying equipment to/from work area, use proper lifting techniques; keep back straight, lift with legs, keep load close to body, never reach with a load. Ensure that loads are balanced to reduce the potential for muscle strain. Use the buddy system or mechanical means to maneuver items heavier than 50-lb. If necessary, make multiple trips to carry equipment.
	2d. EXPOSURE: Biological hazards – ticks; bees/wasps; poison ivy; insects; (Ticks are most active any time the temperature is above freezing, typically from March to November.)	2d. Inspect area to avoid contact with biological hazards. 2d. Ticks: • Treat outer clothing including pants, shirts, socks, boots and hats the evening before with Permethrin (allowing at least two hours before use). • Apply DEET to exposed skin before travelling to the Site and reapply after two hours. • Check for ticks during and after work. 2d. Bees: • Use bee spray as appropriate to deter/eliminate bees.

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	2e. EXPOSURE: Heat Stress & Cold Stress. Personal injury from working in inclement weather conditions.	• Protect exposed skin with insect repellent. 2d. Poison Ivy: • Identify areas of poison ivy and spray with weed killer. Don Tyvek and rubber boots while traversing poison ivy areas. • If skin contacts poison ivy, wash skin thoroughly with soap and water. 2e. Wear sunscreen with SPF 15 or greater on exposed skin whenever 30 minutes or more of sun exposure is expected. 2e. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). Take breaks as needed. 2e. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks as needed. 2e. Wear appropriate rain gear as needed. 2e. Take frequent breaks if tired, wet, or cold/hot. Drink water. 2e. If lightning is observed, wait 30 minutes after last thunder boom/lightning bolt in a sheltered location (car acceptable) before starting work again.
3. Walking near heavy equipment and machinery.	**3a. CONTACT:** Personal injury from Site and roadway traffic. Personal injury from flying debris **3b. OVEREXERTION:** Personal injury from lifting/moving/rotating equipment. **3c. EXPOSURE:** Hearing damage from noise generating equipment/processes. Inhalation/exposure to hazardous vapors and or dust. **3d. EXPOSURE:** Working in a remote area.	3a. See 2a. 3a. Maintain an exclusion zone of at least 10'-25' feet from all engaged equipment. 3a. Keep body parts out of the line-of-fire of pinch points. 3a. Wear appropriate PPE always. 3b. See 2c. 3c. Wear hearing protection if >85 dBA. (i.e. noise levels which require you to raise your voice to communicate) 3c. Always wear leather gloves when handling any tools or equipment. 3c. Always wear appropriate PPE based off chemicals present. 3d. Use the "buddy system" whenever possible. If working alone, contact PM upon arrival/departure, as well as during work activities prior to commencing work if applicable. 3d. Always carry a communication device (i.e., cell phone, walkie-talkie) or directional (i.e., map, compass, etc.) when traversing remote areas. 3d. If available, follow Lone Worker Protocol/Procedure.
4. Working in adverse weather conditions.	**4a. EXPOSURE:** Heat Stress & Cold Stress. Personal injury from working in inclement weather conditions.	4a. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). Take breaks as needed. 4a. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks as needed. 4a. Wear appropriate rain gear as needed. 4a. Take frequent breaks if tired, wet, or cold/hot. Drink water. 4a. If lightning is observed, wait 30 minutes after last thunder boom/lightning bolt in a sheltered location (car acceptable) before starting work again.
5. Departing Site.	**5a. EXPOSURE:** Exposure to unnecessary hazards should personnel believe Roux is on-Site during an emergency and conduct a search.	5a. Sign out or notify Site contact and Roux Project Manager of your departure.

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JOB SAFETYANALYSIS Ctrl. No. GEN-020	DATE: 04/11/2023	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY: **GENERIC**	WORK TYPE: **Gauging & Sampling**	WORK ACTIVITY (Description): **Soil Sampling**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
MaryBeth Lyons	Project Scientist	Brian Hobbs	CHSD
Tim Unalp	SHSO		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES ☒ FLAME RESISTANT CLOTHING (as needed)	☐ GOGGLES ☐ FACE SHIELD: ☒ HEARING PROTECTION: (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Insect repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Recommended Equipment: 42" traffic cones, caution tape, trowel

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs.

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Secure location	**1a. CONTACT:** Personnel and vehicular traffic may enter the work area.	1a. If in an area with foot or vehicle traffic, delineate the work area with 42" traffic cones and/or caution tape to prevent exposure to traffic and inform others of work activity. 1a. Wear reflective vest and/or high visibility clothing. 1a. Face the direction of any vehicular traffic. Position vehicle to protect worker from traffic. 1a. Communicate work activity with adjacent work areas.
	1b. FALL: Tripping/falling due to uneven terrain or entry/exit from excavations.	1b. Inspect pathways and work area for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions. 1b. Use established pathways and walk on stable, secure ground. 1b. Stage equipment and tools in a convenient, stable, and orderly manner. Store equipment at lowest potential energy. 1b. Roux employees should stay 5 feet from in-progress excavations and trenches. Should entry to an excavation be required (when stabilization is complete), ladders must be employed for steep embankments, excavations, pits, and trenches.
	1c. EXPOSURE: Exposure to sun and excessive heat, possibly causing sunburn, heat exhaustion or heat stroke. Exposure to cold temperatures possibly causing cold stress. Skin burn as a result of fire, if applicable. Exposure to explosive vapors due to tank farm operations. Exposure to airborne dust due to high wind speeds. Biological hazards - ticks, bees/wasps, poison ivy, thorns, insects, etc.	1c. Wear sunscreen with an SPF 15 or greater whenever 30 minutes or more of exposure is expected. 1c. Use a tent to shade the work area from direct sunlight particularly when warm temperatures are expected. 1c. Be aware of the location of all Site personnel. 1c. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). 1c. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). 1c. Take breaks for rest and water as necessary. Move to an area that is well shaded or a climate controlled area (i.e., car, site trailer, etc.). 1c. No open flames/heat sources. 1c. Conduct air monitoring and ensure that harmul vapor concentrations are within the levels detailed in the Site Specific HASP. Follow procedures detailed in HASP for exceedances. 1c. Flame retardant clothing must be worn when specified by Site policy. 1c. Cell phones should be disabled when specified by Site policy. 1c. Pre-treat field clothing with Permethrin prior to site visit to kill ticks and insects. 1c. Wear long sleeved shirts and tuck in (or tape) pant legs into socks or boots to prevent ticks from reaching skin. 1c. Spray insect repellant containing DEET on exposed skin when working in overgrown areas of the Site. 1c. Inspect area to avoid contact with biological hazards. 1c. Wear cut-resistant gloves when handling branches, shrubs, etc. that may lie within the walking path. 1c. Wear spoggles if the average wind speeds are above 15 mph. 1c. Personnel shall examine themselves and co-worker's outer clothing for ticks periodically when onsite. 1c. If skin comes in contact with poison ivy, wash skin thoroughly with soap and water. If rash persists after washing, immediately notify your supervisor, the OM and OHSM for possible consultation with a physician at an approved Occupational Health Clinic.

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Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
2. Collect Soil Sample	**2a. CONTACT:** Personal injury from pinch points, cuts, and abrasions from sampling equipment tools, and material within soil sample. Personal injury from contact with moving equipment while sampling. Personal injury from contact with glass sample jars.	2a. Wear cut-resistant (i.e., Kevlar) gloves under chemical-resistant (nitrile) disposable gloves when handling soil samples and sampling jars. 2a. Where possible, use trowel or equivalent tool to avoid contact with soil. 2a. If sampling from bucket of heavy equipment, ensure all equipment is off and operator utilizes the “show me your hands” policy. 2a. See 1a.
	2b. EXPOSURE: Exposure to contamination (impacted soil) and/or lab preservatives.	2b. Wear chemical-resistant (nitrile) disposable gloves over cut resistant gloves to protect hands when handling samples; use containment material or plastic sheeting to protect surrounding areas. 2b. Wear safety glasses to protect eyes from dust or air-borne contaminants that may results from disturbing the soil. 2b. Where possible, remain upgradient from sample location if collecting soil sample from stockpile, drill rig, etc. to avoid breathing contaminant vapors, if they are present. 2b. When collecting soil sample from hand auger, put large zip lock bag over entire auger to prevent spillage of soil on to the ground. 2b. Open sample jars slowly and fill carefully to avoid contact with preservatives.
	2c. EXERTION: Exertion due to repetitive motion and ergonomics.	2c. Utilize a table or raised surface for soil sampling if multiple soil samples are going to be taken to minimize repetitive bending motion.
3. Decontaminate equipment	**3a. EXPOSURE/CONTACT:** Contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated vapors and/or soil). **3b. EXPOSURE:** Chemicals in cleaning solution including ammonia.	3a. Wear chemical-resistant (nitrile) disposable gloves and safety glasses. 3a. Use an absorbent pad to clean spills. 3a. Properly dispose of used materials/PPE in provided drums in designated drum storage area. 3a. Remain upwind of sample and avoid breathing contaminant vapors, if they are present. 3b. Wear chemical-resistant (nitrile) disposable gloves and safety glasses. 3b. Work on the upwind side of decontamination area. 3b. Use an absorbent pad to clean spills. 3b. Properly dispose of used materials/PPE in provided drums in designated drum storage area. Ensure that all drums are properly labeled and secured.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-021	DATE: 4/10/2023	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Gauging and Sampling**	**Soil Vapor Sampling (Permanent Monitoring Points)**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Jeff Wills	Principal Hydrogeologist	Brian Hobbs	CHSD
Tim Unalp	SHSO		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Cut-resistant & Nitriles
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☒ OTHER: Bug Spray, Sun Screen, Knee Pads or kneeling pad
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Steel-toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

9/16" Socket and Wrench, Non-Toxic Clay, Teflon-Lined Tubing, Masterflex Tubing, Air Pump with Low Flow, Dry Cal, Enclosure (Bucket with 2 holes), Helium Gas Canister, Summa Canisters and Flow Controllers, MultiRae Photo Ionization Detector (PID), Helium Detector, Tubing Cutter, 42-inch Safety Cones, Caution Tape or Retractable Cone Bars

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs.

Work Zone (WZ): A 5-foot exclusion zone will be maintained for non-essential personnel.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Define and secure work area.	**1a. FALL:** Potential tripping hazards.	1a. Ensure work area is secure and inform others (third party) of work activity. 1a. Remove tripping hazards and inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment.
	1b. CONTACT: Potential contact with moving vehicles or pedestrians.	1b. If working alongside roads, look both ways before entering roadways, face traffic, and utilize work vehicle to protect employees. 1b. Delineate work area (including vehicles) with traffic safety cones and caution tape or retractable cone bars. 1b. Maintain a 5-foot exclusion zone. 1b. Wear high visibility clothing or reflective safety vest.
	1c. EXERTION: Muscle strain while lifting and carrying equipment.	1c. When carrying equipment to/from work area, keep back straight, lift with legs, keep load close to body, never reach with a load. Ensure that loads are balanced. Use the buddy system or mechanical means to maneuver loads heavier than 50-lbs. If necessary, make multiple trips to carry equipment.
2. Remove well cover / close well cover.	**2a. CONTACT/CAUGHT:** Pinch points and scrapes associated with hand tools and well covers.	2a. Keep hands away from pinch points. 2a. Use hand tools with extensions or magnet to remove and replace well covers. 2a. Wear cut-resistant gloves. 2a. Use knee pads or kneeling pad when repetitive kneeling on rough ground is anticipated.
	2b. FALL: Potential tripping hazards associated with installing bolts.	2b. Place security bolts in secure location so not to create tripping hazards. Replace security bolts so that they fit flush with monitoring well covers.
	2c. EXERTION: Physical exertion to remove bolts that were over torqued or stripped.	2c. Replace any security bolts that show signs of stripping. Do not over tighten. 2c. Use body positioning and bending techniques that minimize muscle strain; keep back straight, bend at the knees. 2c. See 2a.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Screen vapor point with PID.	**3a. FALL:** Potential tripping hazards associated with equipment. **3b. EXPOSURE:** Inhalation of soil vapor	3a. Place equipment in one area close to the sampling location. 3a. Identify area where equipment is to be stored within the work area (away from main walking path). 3a. Don't leave equipment on the ground. Return equipment to storage area between uses. 3b. Replace brass caps immediately upon completion to avoid soil vapors migrating to the surface through sample tubing. 3b. Stand upwind of sample point during screening activities.
4. Remove/replace brass caps at the end of the sample tubing.	**4a. CONTACT:** Pinch points associated with hand tools and brass caps. **4b. EXPOSURE:** Potential pathway for vapors to migrate to land surface.	4a. Use wrench to remove and replace brass caps. 4a. Wear cut-resistant gloves to protect against pinch points and scrapes. 4b. See 3b. 4b. Stand upwind of sample point location.
5. Set up soil vapor sampling equipment and calibration of meters.	**5a. FALL:** Potential tripping hazards associated with equipment and tubing.5b. **5b. CONTACT:** Pinch points associated with handling equipment. **5c. EXPOSURE:** Inhalation of calibration gas and helium.	5a. See 3a. 5a. Keep tubing slack to a minimum and locate the summa canister as close to the sampling location as possible. 5a. Avoid stepping over equipment and tubing. 5b. Do not place fingers/hands under sampling equipment. 5b. Make multiple trips when unloading equipment in work area. 5b. Wear cut-resistant gloves to protect against pinch points while handling sampling equipment. 5c. Review SDS for each type of calibration gas used before calibrating. 5c. Calibrate meters in a well-ventilated area and keep air flow regulator away from face. 5c. Close valve on canisters after use to avoid inhalation of excess helium or calibration gas. 5c. Stand up wind of bucket during helium tracer gas test.
6. Cleaning Work Area.	**6a. FALL:** Potential tripping hazards associated with equipment and tubing. **6b. CONTACT:** Storing and transport of equipment in car.	6a. See 3a. 6a. See 3b. 6b. Ensure that equipment is placed securely in the vehicle. Do not stack equipment on top of each other. Secure equipment so that it will not slide while being transported. 6b. Wear cut-resistant gloves while handling/loading equipment.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-023	DATE: 04/11/2023	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)	
Generic	**Construction**	**Spotting Heavy Machinery**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Levi Curnutte	Senior Scientist	Brian Hobbs	CHSD
Tim Unalp	SHSO		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ Particulate Respirator	☒ GLOVES: Cut resistant / leather
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☐ OTHER:
☒ LONG SLEEVED SHIRT	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent reflective clothing	
☐ LIFELINE / BODY HARNESS	☒ SAFETY SHOES: Steel-/Composite-toe boots/shoes		
☒ SAFETY GLASSES			

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Heavy Machinery (i.e. excavator, payloader, truck, forklift, etc.), two-way radios.

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Prepare for machine activity.	**1a. CONTACT:** Obstructions in the work area may create contact hazards from machinery.	1a. Cordon off the work area with safety barrels/cones and a rigid barrier (snow fence, traffic bar, etc.). Communicate that only necessary personnel should be in the work area. Spotter and equipment operator shall enforce the **EZ.** Operator will not operate but shall remain in the hands-off mode while personnel are within the exclusion zone.
	1b. Fall : Slip/Trip/Fall	1b. Ensure that work area is flat, level and clear of any obstructions or debris before setting up work zone.
2. Spotting.	**2a. CONTACT:** Machine or load contact with personnel, property, or machinery.	2a. Discuss the specifics of the work with the operator and be clear about any hand signals that will be used. Clearly discuss the limits of the assigned work area and the machine's Exclusion Zone. Maintain Exclusion Zone. The Exclusion Zone shall be delineated by using 42-inch traffic cones/barrels and a fixed rigid barrier. 2a. The Minimum Heavy Equipment Exclusion zone is greater than the swing/tip radius of equipment. 2a. Both the spotter and equipment operators shall have 2-way radios/cellular devices on their persons to ensure audible communication in the event any changes or new hazards may arise. 2a. All workers should stay outside of the Exclusion Zone of all equipment unless operator is stopped and in "Hands Off" mode. **(This includes the spotter unless an exception has been established in the Site-specific JSA).** If the Exclusion Zone must be reduced due to work area restrictions, then the spotter and operator shall enforce the reduced Exclusion Zone. 2a. Spotters must make eye contact with the machine operator or all movement ceases until visual contact can be reestablished. 2a. Spotter shall keep an eye out for any issues with the machine the operator may not see and communicate with other work crews and spotters on behalf of the operator. 2a. If the spotter needs to take a break, he must find a replacement before leaving or have the machine stop operations. **No heavy equipment shall operate without a spotter under any circumstances.** 2a. Wear fluorescent clothing/safety vest. 2a. **Do not multitask. Only perform Spotting**

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
	2b. FALL: Slip/Trip/Fall	2b. Look where walking to identify and avoid slip/trip/fall hazards. Avoid icy and/or wet surfaces. Remove obstacles if possible. 2b. Use designated walkways during spotting whenever possible. 2b. **Do not walk backwards. Always face the direction you are walking towards.**
	2c. CAUGHT: Caught between machinery and nearby objects.	2c. **Maintain Exclusion Zone.** Do not stand between large, loose or fixed objects or structures and the machinery while it is in motion. Keep in sight of operator at all times while being aware of surrounding structures.
	2d. EXPOSURE: Inhalation of exhaust from machinery.	2d. The spotter will position him/herself upwind of the working machinery, when possible. Spotter will also inform others working within the vicinity of the EZ of proper positioning, if applicable.

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JOB SAFETY ANALYSIS	Cntrl. No. GEN-027	DATE: 04/11/2023	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Drilling**	**Pre-Drilling Clearance, Vactron and Air Knife**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Courtney Rempfer	Project Scientist	Joseph Midwig	Senior Engineer
Sara Redding	Senior Hydrogeologist	Brian Hobbs	CHSD

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☒ FACE SHIELD (While Air Knifing) ☒ HEARING PROTECTION (As needed) ☒ SAFETY SHOES: Composite toe or steel toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing; long-sleeve shirt	☒ GLOVES: Leather, Nitrile, cut-resistant ☒ OTHER: Dusk mask, insect repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Vac-Truck or Vac Drum, Compressor, Jack Hammer, Air Knife. Circular Saw, Hand Tools, Dust Mask, Photoionization Detector, Multi Gas Meter, 42 inch safety cones and flags, Retractable Cone Bars, Caution Tape, 20 lb. Fire Extinguisher, "Work Area" Signs, Pressurized Water Sprayer

Commitment to Safety – All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE: All non-essential personnel will maintain a distance of 10 feet from drilling equipment while equipment is moving/engaged

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Verify pre-clearance protocol	**1a. CONTACT:** Underground utility damage; property damage; personal injury.	1a. Confirm that (if applicable) "Call Before You Dig" and local utility companies were contacted prior to starting work in order to confirm utility mark outs. Must have a case # before digging. 1a Walk the Site to evaluate utility markings and review maps (see Site Walk Inspection JSA - GEN-019). Utilities are not always properly marked out, ensure use of observational skills through the pre-clearing checklist. 1a. Review pre-clearing checklist form and sub-surface clearance form. Pre-clearing protocol indicates that clearance must be conducted to a minimum of 5 vertical feet below ground surface or 10 vertical feet below ground surface in the critical zone using hand tools.
	1b. ENERGY SOURCE/CONTACT: Property damage; Pressurized water mains may cause lacerations or broken bones. Pressurized gas mains may explode causing serious injury, or death. Underground electric may cause severe burns, shock, or death.	1b. Pre-clearing of each soil boring/monitoring well location must be conducted to a minimum of 5 vertical feet below the ground surface (10 feet minimum for Critical Zone) using hand tools (shovel and non-metallic dig bar and hand auger) prior to drilling. Supervisor should be contacted to discuss appropriate pre-clearing depth. 1b. MUST Complete subsurface clearance checklist prior to pre-clearance.
	1c. FALL: Slip, Trip or Fall may cause muscle strains or tears, abrasions, lacerations, or broken bones.	1c. Be aware of the conditions when walking or loading equipment and working. Walk within established pathway avoiding uneven surfaces. Remove potential slip/trip/fall hazards.
2. Mobilize/demobilize and establish work area	**2a. SEE MOBILIZATION / DEMOBILIZATION JSA – GEN-015**	2a. See Mobilization / Demobilization JSA.
3. Concrete saw cutting, jack hammer and hand clearance with hand tools, air knife	**3a. CONTACT:** Flying debris striking face or body	3a Maintain 10' minimum exclusion zone. Use the required PPE (i.e., leather/cut proof gloves, safety glasses/face shield). 3a. Use anti-whip devices on compressor hoses. Ensure hose couplings are secure. 3a Wear a face shield to protect face from flying debris when using air knife. 3a. Utilize a traffic cone, cage or physical barriers over the hole during air knife activities to keep flying debris close to ground.
	3b. EXPOSURE: Inhalation/exposure to hazardous vapors and/or concrete dust, noise exposure	3b. Monitor breathing zone with a calibrated PID and/or multi-gas meter. If meters sustain readings greater than recommeneded in the HASP for the specific contaminant of concerns (COCs) the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings. Contact PM. 3b. Wet concrete while using saw to minimize dust and wear dust mask to prevent inhalation. 3b. Stand upwind and keep body behind saw. Observers and helpers should avoid line-of-fire for saw blade. Always cut away from body. 3b. No open flames/heat sources.

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	3c. ENERGYSOURCE/CONTACT: Property damage; Pressurized water mains may cause lacerations or broken bones. Pressurized gas mains may explode causing serious injury, or death. Underground electric may cause severe burns, shock, or death.	3b. Wear hearing protection when saw, jackhammer or air compressor are in operation. Otherwise, if sound levels exceed 85 dbA, put on hearing protection. 3c. For air knifing, ensure extention/lance tip reaches the full 5 feet bgs. Air knife should be advanced **AT A MINIMUM** in all four corners of the expected boring location to find any possible arrangement of utilities. 3c. Ensure diameter of soil preclearance hole is at a **MINIMUM 2x** the diameter of any drilling or hard dig equipment that will be entering the hole. 3c. See Complete subsurface clearance protocol for information provided above.
	3d. ERGONOMICS/EXERTION: Muscle strain due to poor body positioning when handling equipment and materials	3d. Use body positioning and lifting techniques that minimizes muscle strain; keep back straight, lift with legs, keep load close to body, and never reach with a load. 3d. Ensure that loads are balanced to reduce the potential for muscle strain. 3d. Two people or a mechanical lifting aid are required when lifting objects over 50 lbs. or when the shape makes the object difficult to lift.
	3e. FALL: Tripping/falling due to uneven terrain, weather conditions, and materials/equipment stored at the Site	3e. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. Mob/Demob JSA. 3e. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 3e. Use established pathways and walk on stable, secure ground. 3e. Equipment and tools will be stored at the lowest point of potential energy and out of the walkway and immediate work area (i.e. tools should not be propped against walls or nearby equipment or vehicles). 3e. Equipment and tools that are not anticipated to be used will be returned to a storage area that is out of the immediate work area. 3e. Ensure power cords and compressed air lines are grouped when used within the work area. 3e. Pre-cleared location will be finished flush to grade as to prevent a slip/trip hazard or coned and taped off.
	3f. CAUGHT: Amputation points associated with the equipment and vacuum hose	3f. Always wear leather gloves when making connections and using hand tools; wear cut-resistant (i.e., Kevlar) gloves when handling cutting tools. 3f. Inspect the equipment prior to use for potential pinch points. 3f. Test all emergency shutdown devices prior to using equipment. 3f. Inspect saw blade for worn surface or missing teeth; switch blade if damaged or blunt. 3f. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 3f. All non-essential personnel shall maintain a 10 foot exclusion zone; position body out of the line-of-fire of equipment. 3f. Drillers and helpers will understand and use the “Show Me Your Hands Policy”.
4. Move drum to staging area using drum cart	**4a. EXPOSURE/CONTACT:** Contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, soil)	4a. Wear Nitrile chemical-resistant gloves under leather or cut proof gloves. 4a. Do not overfill drums. Ensure that the drum lids are attached securely. 4a. All drums will be staged in the designated storage area.
	4b. EXERTION: Muscle strain while maneuvering drums with drum cart/lift gate	4b. See 3d. Do not overfill drums. Use lift gate on back of truck to load and unload drums. Use drum dolly to move drum.
	4c. CAUGHT: Pinch points associated with handling drum lid	4c. Ensure that fingers are not placed under the lid of the drum. Wear leather gloves or cut proof gloves. Use appropriate ratchet while sealing drum lid.
5. Decontaminate equipment.	**5a. EXPOSURE/CONTACT**: To contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors).	5a. Wear chemical-resistant disposable gloves and safety glasses. 5a. Contain decontamination water so that it does not spill. 5a. Use an absorbent pad to clean spills, if necessary. 5a. Spray equipment from side angle, not straight on, to avoid backsplash. 5a. See 3b.
	5b. EXPOSURE: To chemicals in cleaning solution.	5b. See 4a. Review SDS to ensure appropriate precautions are taken and understood.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-029	DATE: 4/11/2023	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Preclearing/Sampling**	**Hand Augering**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Sean Owens	Senior Health & Safety Specialist	Brian Hobbs	Corporate Health & Safety Director

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Cut Resistant / Leather / Nitrile / Chemical resistant
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☐ OTHER
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: Long sleeve high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Steel or composite toed		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Hand Auger Tools (buckets, rods), 5-gallon buckets, hand tools (hammer, etc)

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Drive/walk to hand clearing/hand augering location	**1a. CONTACT:** Property damage and personal injury caused by obstructions/vehicles **1b. FALL:** Personal injury from tripping/falling due to uneven terrain, weather conditions, and materials/equipment stored at portions of the Site **1c. EXERTION:** Muscle strain/exhaustion while carrying equipment (i.e., hand auger, post-hole digger, shovel, pry bar) **1d. EXPOSURE:** Exposure to sun, possibly causing sunburn Biological hazards - bees/wasps, poison oak, thorns, insects, etc.	1a. Maintain speed limit on-site. 1a. All equipment must be stowed and secured prior to moving. 1a. Drive on established roadways. 1a. Do not back up vehicle without spotter where visibility is limited; use pull-through spots or back into parking spots; use an audible signal (horn/back-up alarm) when backing up vehicles.1c. 1b. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Use established pathways and walk on stable, secure ground. 1b. Use established ramp when descending into/ascending from impoundment areas. 1b. Keep tools and equipment in a designated area. When not in use, tools and equipment must be returned to their proper storage location. Keep work area clear of obstructions. 1c. When carrying equipment to/from work area, use proper lifting techniques; keep back straight, lift with legs, keep load close to body, never reach with a load. Ensure that loads are balanced to reduce the potential for muscle strain. Use mechanical assistance or make multiple trips to carry equipment. 1d. Wear sunscreen with an SPF of at least 15 whenever 30 minutes or more of exposure is expected. 1d. Inspect area to avoid contact with biological hazards. 1d. Wear cut resistant gloves when handling branches, shrubs, etc. that may lie within the walking path. 1d. Avoid any areas onsite that have poison oak.
2. Secure location	**2a. CONTACT:** Personnel and vehicular traffic may enter the work area. **2b. FALL:** Tripping/falling due to uneven terrain, and materials /equipment stored within the work area	2a. Delineate the work area with traffic cones and/or caution tape to prevent exposure to traffic and inform others of work activity. 2a. Wear reflective vest and/or fluorescent clothing. 2a. Face the direction of vehicular traffic. Position vehicle to protect worker from traffic. 2a. Communicate work activity with adjacent work areas. 2b. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment to the impoundments. 2b. Equipment and tools will be staged in a convenient, stable, and orderly manner. 2b. Equipment and tools will be stored at the lowest point of potential energy and out of the walkway and immediate work area (i.e. tools should not be propped against walls or nearby equipment or vehicles). 2b. Equipment and tools that are not anticipated to be used will be returned to an appropriate storage area that is out of the immediate work area.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into six types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift." Avoid general statements such as, "be careful."

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Verify pre-clearance protocol; review completed Subsurface Utility Checklist and utility verification site walkthrough.	**3a. ENERGY SOURCE:** Underground utility damage; property damage; personal injury	3a. Confirm that "Call Before You Dig" and local utility companies were contacted prior to hand augering. 3a. Walk the Site to evaluate utility markings and review maps.
4. Augering/advancing borehole	**4a. EXPOSURE:** Contaminated soil/water/vapor	4a. Monitor breathing zone with a PID when VOCs area concern. If vapors sustain > 5 ppm, upgrade PPE as per HASP. 4a. Wear chemical-resistant disposable gloves and safety glasses when handling impacted materials. 4a. Place excavated soil on plastic sheeting and store soil waste in designated area. 4a. Work on the upwind side of the boring.
	4b. EXERTION: Muscle strain from lifting, bending, repetitive motion.	4b. Body positioning and rotating with the auger to reduce strain. Don't twist back.
	4c. CAUGHT: Personal injury as a result of jewelry/loose clothing caught on equipment, well covers, machinery, hand auger, pry bar etc..	4c. No form of jewelry should be worn while on-site. 4c. Clothing must be appropriately sized so it is not loose fitting.
	4d. CONTACT/CAUGHT: Pinch points, abrasions	4d. Keep head and upper body clear when lifting hand auger, pry bar/post-hole digger. Ensure to not be overly aggressive when using pry bar. 4d. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body.
5. Lithologic observation and soil sampling	**5a. EXPOSURE:** Contact with contamination (impacted soil and/or lab preservatives)	5a. Wear chemical-resistant disposable gloves to protect hands when handling samples; wear safety glasses when handling any preservatives; use containment material or plastic sheeting to protect surrounding areas. 5a. When collecting soil sample from hand auger, put large zip lock bag over entire auger to prevent spillage of soil on to the ground. 5a. Open sample jars slowly and fill carefully to avoid contact with preservatives.
6. Decontaminate equipment	**6a. EXPOSURE:** Contact with contamination (impacted soil and/or lab preservatives, decontamination solution)	6a. Wear chemical-resistant disposable gloves and safety glasses. 6a. Use an absorbent pad to clean spills. 6a. Properly dispose of used materials/PPE trash bags.
	6b. CONTACT/CAUGHT: pinch points and cuts/abrasions	6b. Keep fingers/hands out of pinch points when dis-assembling hand auger during decontamination.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into six types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

APPENDIX B

Safety Data Sheets (SDSs) for Chemicals Used

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

1 Identification of the substance/mixture and of the supplier

1.1 Product identifier

Trade Name: Alconox
Synonyms:
Product number: Alconox

1.2 Application of the substance / the mixture : Cleaning material/Detergent

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer
Alconox, Inc.
30 Glenn Street
White Plains, NY 10603
1-914-948-4040

Supplier
Not Applicable

Emergency telephone number:
ChemTel Inc
North America: 1-800-255-3924
International: 01-813-248-0585

2 Hazards identification

2.1 Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Hazard-determining components of labeling:
Tetrasodium Pyrophosphate
Sodium tripolyphosphate
Sodium Alkylbenzene Sulfonate

2.2 Label elements:

Skin irritation, category 2.
Eye irritation, category 2A.

Hazard pictograms:

Signal word: Warning

Hazard statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

Additional information: None.

Hazard description

Hazards Not Otherwise Classified (HNOC): None

Information concerning particular hazards for humans and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3 Composition/information on ingredients

3.1 Chemical characterization : None

3.2 Description : None

3.3 Hazardous components (percentages by weight)

Identification	Chemical Name	Classification	Wt. %
CAS number: 7758-29-4	Sodium tripolyphosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	12-28
CAS number: 68081-81-2	Sodium Alkylbenzene Sulfonate	Acute Tox. 4; H303 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	8-22
CAS number: 7722-88-5	Tetrasodium Pyrophosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	2-16

3.4 Additional Information : None.

4 First aid measures

4.1 Description of first aid measures

General information: None.

After inhalation:

Maintain an unobstructed airway.

Loosen clothing as necessary and position individual in a comfortable position.

After skin contact:

Wash affected area with soap and water.

Seek medical attention if symptoms develop or persist.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

Seek medical attention if irritation persists or if concerned.

After swallowing:

Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed:

No additional information.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

For safety reasons unsuitable extinguishing agents : None

5.2 Special hazards arising from the substance or mixture :

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Protective equipment:

Wear protective eye wear, gloves and clothing.
Refer to Section 8.

5.4 Additional information :

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.
Avoid contact with skin, eyes and clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures :

Ensure adequate ventilation.
Ensure air handling systems are operational.

6.2 Environmental precautions :

Should not be released into the environment.
Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up :

Wear protective eye wear, gloves and clothing.

6.4 Reference to other sections : None

7 Handling and storage

7.1 Precautions for safe handling :

Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities :

Store in a cool, well-ventilated area.

7.3 Specific end use(s):

No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

8 Exposure controls/personal protection

8.1 Control parameters :

7722-88-5, Tetrasodium Pyrophosphate, OSHA TWA 5 mg/m3.

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Respiratory protection:

Not needed under normal conditions.

Protection of skin:

Select glove material impermeable and resistant to the substance.

Eye protection:

Safety goggles or glasses, or appropriate eye protection.

General hygienic measures:

Wash hands before breaks and at the end of work.
Avoid contact with skin, eyes and clothing.

9 Physical and chemical properties

Appearance (physical state, color):	White and cream colored flakes - powder	**Explosion limit lower**: **Explosion limit upper**:	Not determined or not available. Not determined or not available.
Odor:	Not determined or not available.	**Vapor pressure at 20°C**:	Not determined or not available.
Odor threshold:	Not determined or not available.	**Vapor density**:	Not determined or not available.
pH-value:	9.5 (aqueous solution)	**Relative density**:	Not determined or not available.
Melting/Freezing point:	Not determined or not available.	**Solubilities**:	Not determined or not available.
Boiling point/Boiling range:	Not determined or not available.	**Partition coefficient (n-octanol/water)**:	Not determined or not available.
Flash point (closed cup):	Not determined or not available.	**Auto/Self-ignition temperature**:	Not determined or not available.
Evaporation rate:	Not determined or not available.	**Decomposition temperature**:	Not determined or not available.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

Flammability (solid, gaseous):	Not determined or not available.	**Viscosity**:	a. Kinematic: Not determined or not available. b. Dynamic: Not determined or not available.
Density at 20°C:	Not determined or not available.		

10 Stability and reactivity

10.1 Reactivity : None

10.2 Chemical stability : None

10.3 Possibility hazardous reactions : None

10.4 Conditions to avoid : None

10.5 Incompatible materials : None

10.6 Hazardous decomposition products : None

11 Toxicological information

11.1 Information on toxicological effects :

Acute Toxicity:

Oral:

: LD50 > 5000 mg/kg oral rat - Product .

Chronic Toxicity: No additional information.

Skin corrosion/irritation:

Sodium Alkylbenzene Sulfonate: Causes skin irritation. .

Serious eye damage/irritation:

Sodium Alkylbenzene Sulfonate: Causes serious eye irritation .

Tetrasodium Pyrophosphate: Rabbit - Risk of serious damage to eyes .

Respiratory or skin sensitization: No additional information.

Carcinogenicity: No additional information.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

Germ cell mutagenicity: No additional information.

Reproductive toxicity: No additional information.

STOT-single and repeated exposure: No additional information.

Additional toxicological information: No additional information.

12 Ecological information

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

12.1 Toxicity:

Sodium Alkylbenzene Sulfonate: Fish, LC50 1.67 mg/l, 96 hours.
Sodium Alkylbenzene Sulfonate: Aquatic invertebrates, EC50 Daphnia 2.4 mg/l, 48 hours.
Sodium Alkylbenzene Sulfonate: Aquatic Plants, EC50 Algae 29 mg/l, 96 hours.
Tetrasodium Pyrophosphate: Fish, LC50 - other fish - 1,380 mg/l - 96 h.
Tetrasodium Pyrophosphate: Aquatic invertebrates, EC50 - Daphnia magna (Water flea) - 391 mg/l - 48 h.

12.2 Persistence and degradability: No additional information.

12.3 Bioaccumulative potential: No additional information.

12.4 Mobility in soil: No additional information.

General notes: No additional information.

12.5 Results of PBT and vPvB assessment:

PBT: No additional information.

vPvB: No additional information.

12.6 Other adverse effects: No additional information.

13 Disposal considerations

13.1 Waste treatment methods (consult local, regional and national authorities for proper disposal)

Relevant Information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

14 Transport information

14.1 UN Number: None
ADR, ADN, DOT, IMDG, IATA

14.2 UN Proper shipping name: None
ADR, ADN, DOT, IMDG, IATA

14.3 Transport hazard classes:
ADR, ADN, DOT, IMDG, IATA

Class: None
Label: None
LTD. QTY: None

US DOT
Limited Quantity Exception: None

Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

Non Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

Comments: None	**Comments:** None
14.4 Packing group: ADR, ADN, DOT, IMDG, IATA	None
14.5 Environmental hazards :	None
14.6 Special precautions for user:	None
Danger code (Kemler):	None
EMS number:	None
Segregation groups:	None

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

14.8 Transport/Additional information:

Transport category:	None
Tunnel restriction code:	None
UN "Model Regulation":	None

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

North American

SARA

Section 313 (specific toxic chemical listings): None of the ingredients are listed.
Section 302 (extremely hazardous substances): None of the ingredients are listed.

CERCLA (Comprehensive Environmental Response, Clean up and Liability Act) Reportable

Spill Quantity: None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

Inventory: All ingredients are listed.
Rules and Orders: Not applicable.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Canadian

Canadian Domestic Substances List (DSL):
All ingredients are listed.

EU

REACH Article 57 (SVHC): None of the ingredients are listed.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

Germany MAK: Not classified.

Asia Pacific

Australia

Australian Inventory of Chemical Substances (AICS): All ingredients are listed.

China

Inventory of Existing Chemical Substances in China (IECSC): All ingredients are listed.

Japan

Inventory of Existing and New Chemical Substances (ENCS): All ingredients are listed.

Korea

Existing Chemicals List (ECL): All ingredients are listed.

New Zealand

New Zealand Inventory of Chemicals (NZOIC): All ingredients are listed.

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients are listed.

Taiwan

Taiwan Chemical Substance Inventory (TSCI): All ingredients are listed.

16 Other information

Abbreviations and Acronyms: None

Summary of Phrases

Hazard statements:

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Manufacturer Statement:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NFPA: 1-0-0

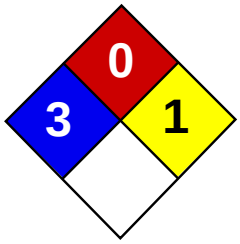
Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

HMIS: 1-0-0



Material Safety Data Sheet
Hydrochloric acid MSDS

Section 1: Chemical Product and Company Identification

Product Name: Hydrochloric acid

Catalog Codes: SLH1462, SLH3154

CAS#: Mixture.

RTECS: MW4025000

TSCA: TSCA 8(b) inventory: Hydrochloric acid

CI#: Not applicable.

Synonym: Hydrochloric Acid; Muriatic Acid

Chemical Name: Not applicable.

Chemical Formula: Not applicable.

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Hydrogen chloride	7647-01-0	20-38
Water	7732-18-5	62-80

Toxicological Data on Ingredients: Hydrogen chloride: GAS (LC50): Acute: 4701 ppm 0.5 hours [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (corrosive, irritant, permeator), of eye contact (irritant, corrosive), of ingestion, . Slightly hazardous in case of inhalation (lung sensitizer). Non-corrosive for lungs. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: Classified 3 (Not classifiable for human.) by IARC [Hydrochloric acid]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, mucous membranes, upper respiratory tract, skin, eyes, Circulatory System, teeth. Repeated or prolonged exposure to the substance can produce target

organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: of metals

Explosion Hazards in Presence of Various Substances: Non-explosive in presence of open flames and sparks, of shocks.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards:
Non combustible. Calcium carbide reacts with hydrogen chloride gas with incandescence. Uranium phosphide reacts with hydrochloric acid to release spontaneously flammable phosphine. Rubidium acetylene carbides burns with slightly warm hydrochloric acid. Lithium silicide in contact with hydrogen chloride becomes incandescent. When dilute hydrochloric acid is used, gas spontaneously flammable in air is evolved. Magnesium boride treated with concentrated hydrochloric acid produces spontaneously flammble gas. Cesium acetylene carbide burns hydrogen chloride gas. Cesium carbide ignites in contact with hydrochloric acid unless acid is dilute. Reacts with most metals to produce flammable Hydrodgen gas.

Special Remarks on Explosion Hazards:

Hydrogen chloride in contact with the following can cause an explosion, ignition on contact, or other violent/vigorous reaction: Acetic anhydride AgClO + CCl4 Alcohols + hydrogen cyanide, Aluminum Aluminum-titanium alloys (with HCl vapor), 2-Amino ethanol, Ammonium hydroxide, Calcium carbide Ca3P2 Chlorine + dinitroanilines (evolves gas), Chlorosulfonic acid Cesium carbide Cesium acetylene carbide, 1,1-Difluoroethylene Ethylene diamine Ethylene imine, Fluorine, HClO4 Hexalithium disilicide H2SO4 Metal acetylides or carbides, Magnesium boride, Mercuric sulfate, Oleum, Potassium permanganate, beta-Propiolactone Propylene oxide Rubidium carbide, Rubidium, acetylene carbide Sodium (with aqueous HCl), Sodium hydroxide Sodium tetraselenium, Sulfonic acid, Tetraselenium tetranitride, U3P4 , Vinyl acetate. Silver perchlorate with carbon tetrachloride in the presence of hydrochloric acid produces trichloromethyl perchlorate which detonates at 40 deg. C.

Section 6: Accidental Release Measures

Small Spill:
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.

Large Spill:
Corrosive liquid. Poisonous liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of sodium carbonate. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, organic materials, metals, alkalis, moisture. May corrode metallic surfaces. Store in a metallic or coated fiberboard drum using a strong polyethylene inner package.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
CEIL: 5 (ppm) from OSHA (PEL) [United States] CEIL: 7 (mg/m3) from OSHA (PEL) [United States] CEIL: 5 from NIOSH CEIL: 7 (mg/m3) from NIOSH TWA: 1 STEL: 5 (ppm) [United Kingdom (UK)] TWA: 2 STEL: 8 (mg/m3) [United Kingdom (UK)]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Pungent. Irritating (Strong.)

Taste: Not available.

Molecular Weight: Not applicable.

Color: Colorless to light yellow.

pH (1% soln/water): Acidic.

Boiling Point:
108.58 C @ 760 mm Hg (for 20.22% HCl in water) 83 C @ 760 mm Hg (for 31% HCl in water) 50.5 C (for 37% HCl in water)

Melting Point:
-62.25°C (-80°F) (20.69% HCl in water) -46.2 C (31.24% HCl in water) -25.4 C (39.17% HCl in water)

Critical Temperature: Not available.

Specific Gravity:
1.1- 1.19 (Water = 1) 1.10 (20%and 22% HCl solutions) 1.12 (24% HCl solution) 1.15 (29.57% HCl solution) 1.16 (32% HCl solution) 1.19 (37% and 38%HCl solutions)

Vapor Pressure: 16 kPa (@ 20°C) average

Vapor Density: 1.267 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.25 to 10 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether.

Solubility: Soluble in cold water, hot water, diethyl ether.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, water

Incompatibility with various substances:
Highly reactive with metals. Reactive with oxidizing agents, organic materials, alkalis, water.

Corrosivity:
Extremely corrosive in presence of aluminum, of copper, of stainless steel(304), of stainless steel(316). Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Reacts with water especially when water is added to the product. Absorption of gaseous hydrogen chloride on mercuric sulfate becomes violent @ 125 deg. C. Sodium reacts very violently with gaseous hydrogen chloride. Calcium phosphide and hydrochloric acid undergo very energetic reaction. It reacts with oxidizers releasing chlorine gas. Incompatible with, alkali metals, carbides, borides, metal oxides, vinyl acetate, acetylides, sulphides, phosphides, cyanides, carbonates. Reacts with most metals to produce flammable Hydrogen gas. Reacts violently (moderate reaction with heat of evolution) with water especially when water is added to the product. Isolate hydrogen chloride from heat, direct sunlight, alkalies (reacts vigorously), organic materials, and oxidizers (especially nitric acid and chlorates), amines, metals, copper and alloys (e.g. brass), hydroxides, zinc (galvanized materials), lithium silicide (incandescence), sulfuric acid(increase in temperature and pressure) Hydrogen chloride gas is emitted when this product is in contact with sulfuric acid. Adsorption of Hydrochloric Acid onto silicon dioxide results in exothmeric reaction. Hydrogen chloride causes aldehydes and epoxides to violently polymerize. Hydrogen chloride or Hydrochloric Acid in contact with the folloiwng can cause explosion or ignition on contact or

Special Remarks on Corrosivity:

Highly corrosive. Incompatible with copper and copper alloys. It attacks nearly all metals (mercury, gold, platinium, tantalum, silver, and certain alloys are exceptions). It is one of the most corrosive of the nonoxidizing acids in contact with copper alloys. No corrosivity data on zinc, steel. Severe Corrosive effect on brass and bronze

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
Acute oral toxicity (LD50): 900 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 1108 ppm, 1 hours [Mouse]. Acute toxicity of the vapor (LC50): 3124 ppm, 1 hours [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 3 (Not classifiable for human.) by IARC [Hydrochloric acid]. May cause damage to the following organs: kidneys, liver, mucous membranes, upper respiratory tract, skin, eyes, Circulatory System, teeth.

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (corrosive, irritant, permeator), of ingestion, . Hazardous in case of eye contact (corrosive), of inhalation (lung corrosive).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Doses (LDL/LCL) LDL [Man] -Route: Oral; 2857 ug/kg LCL [Human] - Route: Inhalation; Dose: 1300 ppm/30M LCL [Rabbit] - Route: Inhalation; Dose: 4413 ppm/30M

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects (fetoxicity). May affect genetic material.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Corrosive. Causes severe skin irritation and burns. Eyes: Corrosive. Causes severe eye irritation/conjuntivitis, burns, corneal necrosis. Inhalation: May be fatal if inhaled. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract. Inhalation of hydrochloric acid fumes produces nose, throat, and larryngeal burning, and irritation, pain and inflammation, coughing, sneezing, choking sensation, hoarseness, laryngeal spasms, upper respiratory tract edema, chest pains, as well has headache, and palpitations. Inhalation of high concentrations can result in corrosive burns, necrosis of bronchial epithelium, constriction of the larynx and bronchi, nasospetal perforation, glottal closure, occur, particularly if exposure is prolonged. May affect the liver. Ingestion: May be fatal if swallowed. Causes irritation and burning, ulceration, or perforation of the gastrointestinal tract and resultant peritonitis, gastric hemorrhage and infection. Can also cause nausea, vomitting (with "coffee ground" emesis), diarrhea, thirst, difficulty swallowing, salivation, chills, fever, uneasiness, shock, strictures and stenosis (esophogeal, gastric, pyloric). May affect behavior (excitement), the cardiovascular system (weak rapid pulse, tachycardia), respiration (shallow respiration), and urinary system (kidneys- renal failure, nephritis). Acute exposure via inhalation or ingestion can also cause erosion of tooth enamel. Chronic Potential Health Effects: dyspnea, bronchitis. Chemical pneumonitis and pulmonary edema can also

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Class 8: Corrosive material

Identification: : Hydrochloric acid, solution UNNA: 1789 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Hydrochloric acid Illinois toxic substances disclosure to employee act: Hydrochloric acid Illinois chemical safety act: Hydrochloric acid New York release reporting list: Hydrochloric acid Rhode Island RTK hazardous substances: Hydrochloric acid Pennsylvania RTK: Hydrochloric acid Minnesota: Hydrochloric acid Massachusetts RTK: Hydrochloric acid Massachusetts spill list: Hydrochloric acid New Jersey: Hydrochloric acid New Jersey spill list: Hydrochloric acid Louisiana RTK reporting list: Hydrochloric acid Louisiana spill reporting: Hydrochloric acid California Director's List of Hazardous Substances: Hydrochloric acid TSCA 8(b) inventory: Hydrochloric acid TSCA 4(a) proposed test rules: Hydrochloric acid SARA 302/304/311/312 extremely hazardous substances: Hydrochloric acid SARA 313 toxic chemical notification and release reporting: Hydrochloric acid CERCLA: Hazardous substances.: Hydrochloric acid: 5000 lbs. (2268 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive liquid.

DSCL (EEC):
R34- Causes burns. R37- Irritating to respiratory system. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 1

Personal Protection:

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 0

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Face shield.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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SAFETY DATA SHEET

Isobutylene

Section 1. Identification

GHS product identifier : Isobutylene

Chemical name : 2-methylpropene

Other means of identification : 1-Propene, 2-methyl-; Isobutene; Isobutylene; 1-Propene, 2-methyl- (isobutene); 1, 1-Dimethylethylene; Isopropylidenemethylene; iso-Butene; i-Butene; 2-Methylpropylene; 2-Methyl-2-propene; 2-Methyl-1-propene

Product type : Gas.

Product use : Synthetic/Analytical chemistry.

Synonym : 1-Propene, 2-methyl-; Isobutene; Isobutylene; 1-Propene, 2-methyl- (isobutene); 1, 1-Dimethylethylene; Isopropylidenemethylene; iso-Butene; i-Butene; 2-Methylpropylene; 2-Methyl-2-propene; 2-Methyl-1-propene

SDS # : 001031

Supplier's details : Airgas USA, LLC and its affiliates
259 North Radnor-Chester Road
Suite 100
Radnor, PA 19087-5283
1-610-687-5253

24-hour telephone : 1-866-734-3438

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE GASES - Category 1
GASES UNDER PRESSURE - Liquefied gas

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : Extremely flammable gas.
May form explosive mixtures with air.
Contains gas under pressure; may explode if heated.
May displace oxygen and cause rapid suffocation.

Precautionary statements

General : Read and follow all Safety Data Sheets (SDS'S) before use. Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Close valve after each use and when empty. Use equipment rated for cylinder pressure. Do not open valve until connected to equipment prepared for use. Use a back flow preventative device in the piping. Use only equipment of compatible materials of construction. Always keep container in upright position. Approach suspected leak area with caution.

Prevention : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response : Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so.

Storage : Protect from sunlight. Store in a well-ventilated place.

Disposal : Not applicable.

Hazards not otherwise classified : In addition to any other important health or physical hazards, this product may displace oxygen and cause rapid suffocation.

Section 3. Composition/information on ingredients

Substance/mixture : Substance

Chemical name : 2-methylpropene

Other means of identification : 1-Propene, 2-methyl-; Isobutene; Isobutylene; 1-Propene, 2-methyl- (isobutene); 1, 1-Dimethylethylene; Isopropylidenemethylene; iso-Butene; i-Butene; 2-Methylpropylene; 2-Methyl-2-propene; 2-Methyl-1-propene

Product code : 001031

CAS number/other identifiers

CAS number : 115-11-7

Ingredient name	%	CAS number
Isobutylene	100	115-11-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : As this product is a gas, refer to the inhalation section.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Frostbite : Try to warm up the frozen tissues and seek medical attention.

Ingestion : As this product is a gas, refer to the inhalation section.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Section 4. First aid measures

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : Contains gas under pressure. Extremely flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Contact supplier immediately for specialist advice. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If involved in fire, shut off flow immediately if it can be done without risk. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or maximum possible distance. Eliminate all ignition sources if safe to do so.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Accidental releases pose a serious fire or explosion hazard. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment.

Large spill : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Contains gas under pressure. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Do not puncture or incinerate container. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement.

Use only non-sparking tools. Avoid contact with eyes, skin and clothing. Empty containers retain product residue and can be hazardous. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Eliminate all ignition sources. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C (125 °F). Keep container tightly closed and sealed until ready for use. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Isobutylene	**ACGIH TLV (United States, 3/2017).** TWA: 250 ppm 8 hours.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Section 8. Exposure controls/personal protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : Gas. [Compressed gas.]

Color : Colorless.

Odor : Characteristic.

Odor threshold : Not available.

pH : Not available.

Melting point : -140.7°C (-221.3°F)

Boiling point : -6.9°C (19.6°F)

Critical temperature : 144.75°C (292.6°F)

Flash point : Closed cup: -76.1°C (-105°F)

Evaporation rate : Not available.

Flammability (solid, gas) : Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and oxidizing materials.

Lower and upper explosive (flammable) limits : Lower: 1.8%
Upper: 9.6%

Vapor pressure : 24.3 (psig)

Vapor density : 1.94 (Air = 1)

Specific Volume (ft ^{3}/lb) : 6.6845

Gas Density (lb/ft ^{3}) : 0.1496 (25°C / 77 to °F)

Relative density : Not applicable.

Solubility : Not available.

Solubility in water : 0.26 g/l

Partition coefficient: n-octanol/water : 2.34

Auto-ignition temperature : 465°C (869°F)

Decomposition temperature : Not available.

Viscosity : Not applicable.

Flow time (ISO 2431) : Not available.

Molecular weight : 56.12 g/mole

Aerosol product

Heat of combustion : -45029034 J/kg

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible materials : Oxidizers

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Isobutylene	LC50 Inhalation Vapor	Rat	550000 mg/m³	4 hours

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Section 11. Toxicological information

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : As this product is a gas, refer to the inhalation section.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Isobutylene	2.34	-	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Section 12. Ecological information

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Empty Airgas-owned pressure vessels should be returned to Airgas. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

	DOT	TDG	Mexico	IMDG	IATA
UN number	UN1055	UN1055	UN1055	UN1055	UN1055
UN proper shipping name	ISOBUTYLENE	ISOBUTYLENE	ISOBUTYLENE	ISOBUTYLENE	ISOBUTYLENE
Transport hazard class(es)	2.1	2.1	2.1	2.1	2.1
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.

"Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product."

Additional information

DOT Classification : **Limited quantity** Yes.
Quantity limitation Passenger aircraft/rail: Forbidden. Cargo aircraft: 150 kg.
Special provisions 19, T50

TDG Classification : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2).
Explosive Limit and Limited Quantity Index 0.125
ERAP Index 3000
Passenger Carrying Ship Index Forbidden
Passenger Carrying Road or Rail Index Forbidden
Special provisions 29

IATA : **Quantity limitation** Passenger and Cargo Aircraft: Forbidden. Cargo Aircraft Only: 150 kg.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined

Clean Air Act (CAA) 112 regulated flammable substances: Isobutylene

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Refer to Section 2: Hazards Identification of this SDS for classification of substance.

State regulations

Massachusetts : This material is listed.

New York : This material is not listed.

New Jersey : This material is listed.

Pennsylvania : This material is listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : This material is listed or exempted.

Canada : This material is listed or exempted.

China : This material is listed or exempted.

Europe : This material is listed or exempted.

Japan : **Japan inventory (ENCS)**: This material is listed or exempted.
Japan inventory (ISHL): Not determined.

Malaysia : Not determined.

New Zealand : This material is listed or exempted.

Philippines : This material is listed or exempted.

Republic of Korea : This material is listed or exempted.

Section 15. Regulatory information

Taiwan : This material is listed or exempted.

Thailand : Not determined.

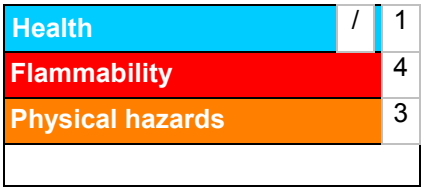
Turkey : Not determined.

United States : This material is listed or exempted.

Viet Nam : Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

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National Fire Protection Association (U.S.A.)

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Procedure used to derive the classification

Classification	Justification
FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Liquefied gas	Expert judgment Expert judgment

History

Date of printing : 5/10/2018

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Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

Section 16. Other information

as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

APPENDIX C

Heat Illness Prevention Program

HEAT ILLNESS
PREVENTION PROGRAM

CORPORATE HEALTH AND SAFETY DIRECTOR	:	**Brian Hobbs, CIH, CSP**
EFFECTIVE DATE	:	**10/2019**
REVISION DATE	:	**03/2024**
REVISION NUMBER	:	**3**

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1. PURPOSE

Roux Associates, Inc. and its affiliated **companies**, Roux Environmental Engineering and Geology, D.P.C, and Remedial Engineering (collectively, "Roux") has established this heat illness prevention program to assist in preventing workplace accidents, injuries, and illnesses associated with temperature extremes. Roux is committed to taking every precaution to protect employees who might be exposed to heat stress, including establishing safe work practices, heat illness prevention controls, and emergency preparedness, which will be detailed in this plan.

2. SCOPE AND APPLICABILITY

Roux's Heat Illness Prevention Program applies to all employees who may be exposed to heat stress in the field.

3. ROLES AND RESPONSIBILITIES

The Heat Illness Prevention Program Administrator for Roux is the Corporate Health and Safety Director (CHSD), Brian Hobbs, CIH, CSP. The daily administration of the program is delegated to the Operations Manager (OM) and Office Health and Safety Manager (OHSM). The CHSD has the authority, responsibility, and overall accountability for the comprehensive implementation of this program.

All managers and supervisors shall implement and maintain the heat illness prevention program in work areas where there is a potential for heat stress.

Management Responsibilities

Management (i.e., Project Managers, Project Principals, OM) must provide the following to promote compliance and foster a good safety culture:

- Comply with applicable standards.
- Inform employees of the provisions of the heat illness prevention program and ensure understanding.
- Provide sufficient water, shade, rest areas, and other heat illness controls for employees.
- Assist with establishing work practices to minimize heat stress risks, such as acclimatization, required rest periods, employee monitoring, and strategic scheduling.
- Encourage employees to report hazardous conditions or heat illness symptoms.
- Provide training to any employee who could possibly be exposed to the risk of heat illness.

Employee Responsibilities

Employees are expected to actively participate in the organization's heat illness prevention program, which includes the following responsibilities:

- Receive appropriate training with regard to heat stress.
- Understand core concepts of heat illness prevention and follow guidelines to mitigate risks.
- Recognize the signs and symptoms of heat illness and immediately report them.
- Cooperate with workplace inspections and incident investigations.

Effective Communication

All Roux employees shall be accountable for ensuring there is effective communication with both the field team and their subcontractors. Communication between Roux employees project leads (e.g., Project Principal, Project Managers) and subcontractors (if applicable) will be established and maintained so that employees can quickly

contact should there be a change in condition or someone at the Site exhibits signs/symptoms of heat stress. These types of incidents would follow Roux's Incident Investigation and Reporting Management Program 2.12 and Roux's Injury Illness Prevention Program 2.22.

4. HAZARD IDENTIFICATION AND ASSESSMENT

Prior to scheduled fieldwork, the project team shall ensure a hazard assessment is conducted as it relates to heat stress. This will include a determination of how much heat and exertion employees are likely to be exposed to based on the work activity.

Factors that can increase heat stress include the following:

- Temperatures at the work site;
- Humidity;
- A lack of air movement or exchange;
- The amount of time employees spend working in the heat;
- The time of day work takes place;
- Sources of radiant heat (e.g., sunlight, fire, or hot furnace);
- Work activities that produce heat (e.g., welding);
- Physical contact with warm or hot objects or liquids;
- The clothing and PPE employees are required to wear; and/or
- Physically strenuous work.

Results of the hazard analysis should be used to determine appropriate controls for mitigating heat stress, whenever possible, for planning acclimatization, and for developing work schedules that rotate workers to limit employee exposure. Typically, the Site Supervisor (SS) or Site Health and Safety Officer (SHSO) shall conduct worksite observations to ensure all employees follow heat illness prevention procedures and that hazards are sufficiently controlled. However, all employees should be continuously evaluating work site conditions and be able to recognize heat stressors in order to prevent heat illnesses.

5. TRAINING

All Roux employees shall be trained on the topics listed below prior to beginning work, which may potentially expose workers to heat stress.

Training Topics

- The environmental, behavioral, and personal risk factors for heat illness, such as radiant heat sources, exertion, clothing and PPE, and use of alcohol or drugs.
- Types of heat illnesses, common symptoms, and appropriate emergency response for each.
- The knowledge that mild symptoms may quickly become more severe or life-threatening.
- The importance of immediately reporting any signs or symptoms of heat illness to the supervisor.
- The employer's responsibility to provide shade, water, access to first aid, and cool-down rests during work and the employee's freedom to exercise their rights under this standard without fear of retaliation.

- The employer's heat stress plan and its procedures:
  - Procedures for employees who are newly assigned to work in high-heat areas.
  - The organization's acclimatization methods, as applicable.
  - Heatwave procedures.
  - Heat illness and emergency response, including contact information.
- The importance of frequent consumption of water and the taking of rest breaks.
- How heat illness prevention applies to employees' specific tasks.

Increasing Training Effectiveness:

- The SS/SHSO will hold daily tailgates with the field team to go over daily work tasks and basic safety information including Job Safety Analysis (JSA) review as well as incorporate elements such as current weather and effects on the work activities for the day.
- If a heat wave or high heat is anticipated, OHSMs and/or OMs will provide communications to Roux employees prior to their shifts and remind them of any special high heat procedures.

6. DRINKING WATER

Employees shall be given access to potable drinking water. Access to water will be provided as near as possible to where employees are working, and there shall be enough locations so employees will have sufficient water. Water should be fresh and pure, free of taste or smell that would discourage employees from drinking, comfortably cool, and obtained from an approved source.

The recommendation is that during warm or hot weather, employees drink four 8-ounce glasses of water, or a total of one quart per hour, throughout the entire work shift. Easy access to sufficient potable drinking water throughout the work shift encourages employees to drink.

During a heat wave, water shall be replenished more often to keep available and cool. Water containers (and all spouts and levers) must be kept clean. If able, provide single-use drinking cups with appropriate waste receptacles. Accessible sanitation facilities shall also be maintained at work Sites as appropriate.

SS/SHSO is responsible for the following:

- Drink sufficient water before, during, and after work shifts to maintain hydration.
- Encourage frequent drinking of small amounts of water throughout the shift. In high-heat environments, remind field staff and subcontractors that drinking extra water may be necessary.
- Discourage the choice of drinks with caffeine or sugar that may possibly dehydrate employees instead of water. Also, discourage the drinking of alcohol.
- Monitor the water supply.
- If employees become dehydrated and are unable to alleviate symptoms with the steps below, get them immediate medical attention.

Field Staff/Subcontractors are responsible for the following:

- Drink sufficient water before, during, and after work shifts to maintain hydration. Drink up to 4 cups of water per hour, especially during hot weather.
- Be aware that in high-heat situations, you may need to drink more water.

- Monitor yourself and others for signs of dehydration. If you feel dehydrated:
  - Follow Roux's Incident Notification Flowchart;
  - Rest in the shaded resting area; and
  - Drink water in small amounts, but frequently.

7. ACCESS TO SHADE

Access to shaded areas will be provided to Roux staff, as needed. Employees are encouraged to use these areas when they feel overheated. Roux's SS/SHSO shall oversee the proper implementation of shaded areas and will communicate these locations on a daily basis with the Field Team.

Depending on the Site, shaded areas can include the following:

- Pop-up Tents
- Canopies
- Umbrellas
- Structures mechanically ventilated or open to air movement
  - Garage
- Conex-mounted RV canopies
- Full and thick tree canopies that block direct sunlight
- Buildings
- Enclosed areas only if they provide cooling comparable to shade in open-air
  - Vehicles with air conditioning

Shaded Area Requirements

The shade shall be strong enough to cool employees down and other shadows should not be visible in the shade. The shade will be provided by Roux when the air temperature exceeds 80°F. If the temperature is less than 80°F, shade will be available and provided upon request. The SS/SHSO will monitor conditions to determine when the air will exceed (and is exceeding) 80°F. For most Sites, air will be monitored hourly and shade will be set up immediately if 80°F is exceeded.

Shade shall be located as close as practical to areas where employees are working and is easily accessible. These areas will be considered safe and free from other hazards. Shaded areas should be large enough to accommodate all employees who are on a break, resting, or recovering without crowding. Should natural vegetation be used for shade, the SS/SHSO will evaluate shade for effectiveness.

Field Staff Responsibilities

Field Staff should take ordinary rest breaks in the shaded areas and monitor themselves for signs of heat stress, and go to the shaded area when they need to cool down. Any issues or problems with shaded areas should be reported to the SS/SHSO for the Site.

If shaded areas are used for a preventative cool-down, the SS/SHSO will ensure the affected employees will remain in the shade until they begin to feel better. The SS/SHSO will continue to monitor the employees and ask them if

they are experiencing symptoms of a heat illness. Employees shall not be sent back to work before symptoms have ended and at a minimum at least 10 minutes of rest.

8. MONITORING AND SCHEDULING

Monitoring

The SS/SHSO and Field Team will continue to monitor themselves and others for signs of heat illness. The SS/SHSO will monitor when the air temperature exceeds 80°F. Throughout the summer, weather and temperature will be monitored at least two weeks ahead, and the work schedule will be planned to accommodate the expected weather.

Scheduling

Scheduling accommodations may include:

- Working during cooler hours of the day
- Working at night
- Stopping work early
- Rescheduling work activities
- Increasing frequency of breaks

In general, strenuous work activities shall be rescheduled to the coolest parts of the day.

Special precautions are required for temperatures above 80°F, 95°F, and heat waves. These precautions are provided in the sections below.

9. ACCLIMATIZATION AND NEW EMPLOYEE PROCEDURES

Roux requires employees to be acclimatized in order for them to better tolerate heat in the workplace. Acclimatization is the physical process of adapting to a different thermal environment, allowing a better toleration of heat. Acclimatization procedures require gradual exposure that gives the employee time to adjust to each level of exposure. Acclimatization is essential for new employees but is necessary for all employees when the temperature significantly changes. Heat stress is much more likely if these procedures are not followed.

The SS/SHSO is responsible for observing new employees during their first 14 days of employment in high-heat areas.

Re-acclimatization is necessary if employees are absent from high-heat environments for a week or more or the temperature increases significantly.

10. HEATWAVE AND EXTREME HEAT PROCEDURES

Heat Wave Procedures

A heat wave is defined as consistent temperatures over 80°F or if the temperature is 10° higher than the average daily temperatures in the preceding 5 days.

SS/SHSO and Project Management (e.g., PP, PM) shall closely observe and monitor employees during a heat wave. The Field Teams should institute a ratio of one SS to 20 or fewer employees, a mandatory buddy system, or

a consistent practice for supervisors to check on employees. Pre-shift meetings to review high-heat procedures with employees will be carried out to emphasize work-rest schedules, drinking water, shade, etc.

Extreme Heat Procedures

When work-site temperatures equal or exceed 95°F, the employer will enact extreme heat procedures:

- Employees will be closely observed by the SS/SHSO for signs of heat illness. New employees will be supervised for acclimatization.
- Effective communication and monitoring will be assured through the use of periodic check-ins with the SS/SHSO via phone. Communications between employees and Project Management (e.g., PP/PM) will be established and maintained. Mandatory 10-minute break periods are required for every two hours worked. SS/SHSO must enforce this rule.
- Pre-shift safety tailgate meetings will occur to review procedures and to remind employees to drink water and take cool-down rests if needed. SS/SHSO shall remind employees to rest and drink water. Employees should drink more water than usual.

11. EMERGENCY RESPONSE PROCEDURES

Roux is dedicated to providing prompt appropriate care for all employees who report or show symptoms of heat illness. If an employee shows signs of heat illness, they will be monitored and shall not be left alone or sent home without being offered first aid or emergency medical services. If on-Site personnel require any medical treatment, the following steps will be taken:

1. Notify Roux's Project and Corporate Management Team for any work-related injury and/or illness occurrence, and communicate with the contracted Occupational Health Care Management Provider, AllOne Health (AOH), immediately following the notifications provided above.
2. Based on discussions with the Project Team, Corporate Management, and the AOH evaluation, if medical attention beyond onsite First Aid is warranted, transport the injured / ill person (IP) to the Urgent Care Center, or notify the Fire Department or Ambulance Emergency service and request an ambulance or transport the victim to the hospital, and continue communications with Corporate Management Team. An Urgent Care/Hospital Route map with locations and directions is provided within Site Specific Health and Safety Plans.
3. First aid medical support will be provided by onsite personnel trained and certified in First Aid, Cardio Pulmonary Resuscitation (CPR), Automatic External Defibrillation (AED), and Blood-Borne Pathogens (BBP) Awareness, until relieved by emergency medical services (EMS).
4. The SHSO and Project Manager will perform a Loss Investigation (LI) and the Project Team will complete the final Loss Report.

12. HEAT-RELATED ILLNESSES

Heat Stress

Heat stress is a significant potential hazard and can be associated with heavy physical activity and/or the use of personal protective equipment (PPE) in hot-weather environments. For these reasons, the company will provide potable drinking water and access to shade or other areas of relief (i.e., air-conditioned vehicles and work trailers). Supervisors, prior to supervising personnel in the field as well as all personnel involved with the fieldwork of a project, are trained in this HASP that includes preventing heat-related illnesses and the below procedures in response to heat-related symptoms and illness. Since much of our work is dependent upon environmental factors beyond our control, we must closely monitor air temperature and humidity and be aware of avoiding radiant heat sources and providing as much air circulation as possible wherever we work. Physical factors that need to be evaluated as part of our Job Safety Analysis (JSA) reviews include the level of physical activity and duration of work

and the type (i.e., color, weight breathability) of the clothing we select. In addition, personal factors such as age, weight, fitness, drug/alcohol use, and prior history of heat-related illness need to be considered.

Heat cramps are brought on by prolonged exposure to heat. As an individual sweats, water and salts are lost by the body, resulting in painful muscle cramps. The signs and symptoms of heat stress are as follows:

- Severe muscle cramps, usually in the legs and abdomen;
- Exhaustion, often to the point of collapse; and
- Dizziness or periods of faintness.

First aid treatment includes, but is not limited to, shade, rest, and fluid replacement. Typically, the individual should recover within one-half hour while being monitored constantly. If the individual has not improved substantially within 30 minutes and the body temperature has not decreased, the individual should be transported to a hospital for medical attention.

Heat Exhaustion

Heat exhaustion may occur in a healthy individual who has been exposed to excessive heat while working or exercising. The circulatory system of the individual fails as blood collects near the skin to rid the body of excess heat through transference. The signs and symptoms of heat exhaustion are as follows:

- Rapid and shallow breathing;
- Weak pulse;
- Cold and clammy skin with heavy perspiration;
- Skin appears pale;
- Fatigue and weakness;
- Dizziness; and
- Elevated body temperature.

First aid treatment includes, but is not limited to, cooling the victim, elevating the feet, and replacing fluids. If the individual is not substantially improved within 30 minutes and the body temperature has not decreased, the individual should be transported to the hospital for medical attention.

Heat Stroke

Heat stroke occurs when an individual is exposed to excessive heat and stops sweating. This condition is classified as a MEDICAL EMERGENCY requiring immediate cooling of the victim and transport to a medical facility. The signs and symptoms of heat stroke are as follows:

- Dry, hot red skin;
- Body temperature approaching or above 105 degrees F;
- Confusion, altered mental state, slurred speech;
- Seizures;
- Large (dilated) pupils; and
- Loss of consciousness – the individual may go into a coma.

First aid treatment requires immediate cooling and transportation to a medical facility. Heat stress is a significant hazard if any type of protective equipment (semi-permeable or impermeable) that prevents evaporative cooling is worn in hot-weather environments.

13. OTHER HEAT CONTROLS

Clothing and PPE

Employees should choose clothing that is reflective, light-colored, lightweight, loose-fitting, and breathable. Clothing should cover the exposed parts of the body. In direct sun, hard hats with a brim or bill may be helpful. Should specialized cooling garments be applicable, please consult with your OM/OHSM/CHSD.

Managing Employee Risk Factors

It is recommended that employees are aware of how their health can affect their risk of heat stress. The following increases ones risk for a heat related illness:

- A poor level of physical fitness
- Obesity
- Chronic or acute illnesses
- Conditions such as diabetes, heart disease, or high blood pressure
- Certain medications, such as diuretics
- Age (60+)

Employees should:

- Maintain their health outside of work
- Be aware of the effects of medications
- Drink adequate amounts of water
- Eat light, cool meals during work shifts and save heavy meals until after the shift is over
- Do not skip meals: food helps replace electrolytes when sweating
- Take breaks as needed
- Do not consume alcohol prior to working in a hot environment

APPENDIX D

Personal Protective Equipment (PPE) Management Program

PERSONAL PROTECTIVE EQUIPMENT
MANAGEMENT PROGRAM

CORPORATE HEALTH AND SAFETY DIRECTOR	:	**Brian Hobbs, CIH, CSP**
EFFECTIVE DATE	:	**01/2019**
REVIEW DATE	:	**03/2024**
REVISION NUMBER	:	**5**

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1. PURPOSE

Roux Associates, Inc. and its affiliated companies, Roux Environmental Engineering and Geology, D.P.C., and Remedial Engineering (collectively, "Roux") has instituted the following program to establish guidelines for the selection of personal protective equipment (PPE) for use by Roux personnel performing field activities in hazardous environments. PPE is not meant to be a substitute for engineering, work practice, and/or administrative controls, but PPE should be used in conjunction with these controls to protect employees in the workplace. Clothing, body coverings, and other accessories designed to prevent worker exposure to workplace hazards are all types of PPE. To ensure adequate PPE employee-owned PPE is evaluated on a case-by-case basis to insure its adequacy, maintenance and sanitation.

2. SCOPE AND APPLICABILITY

These guidelines apply to all PPE selection decisions to be made in implementing the Roux program. The foundations for this program are the numerous Occupational Health and Safety Administration (OSHA) standards related to PPE cited in 29 CFR 1910 Subpart I, 29 CFR 1926 Subpart E, and the hazardous environment work employee protection requirements under the OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) standard at 29 CFR 1910.120 and 1926.65. To ensure hazard assessments are documented, the levels of protection, types of protection, and tasks requiring protection are covered in site-specific Health and Safety Plans (HASPs) and Job Safety Analyses (JSAs).

3. PROCEDURES

Due to the varied nature of site activities and the different potential hazards associated with different sites, several aspects must be considered when selecting PPE. The following text describes PPE selection logic and provides guidelines and requirements for the appropriate selection and use of PPE.

3.1 Introduction

To harm the body, chemicals must first gain entrance. The intact skin and respiratory tract are usually the first body tissues that are exposed to chemical contaminants. These tissues provide barriers to some chemicals but, in many cases, are damaged themselves or are highly permeable by certain chemical compounds. PPE, therefore, is used to minimize or eliminate chemical compounds from coming into contact with these first barrier tissues.

Proper PPE selection is essential in preventing exposures. The Project Manager (PM) or health and safety personnel making the selection will have to consider several factors. The level of protection, type, and kind of equipment selected depends on the hazardous conditions. In some cases, additional selection factors include cost, availability, compatibility with other equipment, and performance. All these factors must be accurately assessed before work can be safely carried out.

3.1.1 Training

Training shall be provided to all field-based employees in properly using and caring for PPE. Training shall include, but not be limited to, the initial 40-hour HAZWOPER training, annual 8-hour HAZWOPER refresher training, and site-specific PPE training. The training program includes when PPE is necessary, what types of PPE are required; how to don, doff, adjust, and wear PPE; the limitations of PPE; the proper care, maintenance, useful life, signs of PPE failure and emergency procedures to follow in the event of PPE failure and disposal of PPE. In addition, retraining shall be conducted when workplace changes require a change in PPE when an employee demonstrates a lack of knowledge or improper use of PPE is identified.

3.2 Types of PPE

The type and selection of PPE must meet certain general criteria and requirements as required under OSHA 29 CFR 1910.132 (General Industry) and 1926.95 (Construction). In addition to these general requirements, specific requirements and specifications exist for some types of PPE that form the basis of the protective clothing scheme. All manufacturer's recommendations for PPE care and use shall be followed. All PPE shall be maintained in a sanitary and reliable condition. Additionally, proper fit and size shall be evaluated to ensure adequate employee protection. Should PPE become defective, it shall be immediately removed from service and discarded.

The following is a list of the common types of specific PPE and the specific requirements for the PPE type, where applicable:

1. Hard Hats - Regulated by 29 CFR 1910.135 and 1926.100; and specified in ANSI Z89.1.
2. Face Shields and Safety Glasses - Regulated by 29 CFR 1910.133 and 1926.102; and specified in ANSI Z87.1.
3. Respiratory Protection - Regulated by 29 CFR 1910.134 and 1926.103.
4. Hand Protection - Regulated by 29 CFR 1910.138
5. Foot Protection - Regulated by 29 CFR 1910.136 and 1926.96; and specified in ANSI Z41.1.
6. Protective Clothing (e.g., fully encapsulated suits, aprons) - Specified in NFPA 1991/1992/1994.

3.2.1 PPE Inspection, Cleaning Maintenance, and Storage

The Office Health and Safety Manager (OHSM) or their designee is responsible for procuring PPE, in accordance with this management program. Single-use/disposable PPE should be purchased and used whenever practicable.

3.2.1.1 PPE Inspection

Roux employees must inspect PPE regularly, before and after each use, to check for defects and damage. Garments and other PPE in central storage must be inspected at least annually or as recommended by the manufacturer by the OHSM, Equipment Manager and/or their designee. Defective or damaged equipment must be tagged as out-of-service, immediately removed from the work site and discarded.

3.2.1.2 PPE Cleaning and Maintenance

All Roux employees are responsible for routine cleaning of their assigned PPE. Decontamination of PPE is addressed within Roux's Site Control and Decontamination Program as well as specified within site-specific health and safety plans. As appropriate, Roux employees should be issued single-use PPE when practicable to minimize the requirement for decontamination. When performing routine cleaning of reusable PPE:

- Always follow the manufacturer's recommendations to avoid damaging the PPE. For example, some cleaning solutions compromise the integrity of protective helmets' shells.
- Clean and maintain PPE according to the manufacturer's recommendations. Before being re-issued, PPE should be thoroughly sanitized.
- Disassemble, wash, and sanitize reusable respirators after each use, refer to Roux's Respiratory Protection Management Program.

Employees are not authorized to repair PPE without prior approval from the Health and Safety Department. Reusable PPE may require maintenance by the manufacturer to maintain integrity and certification. Many

manufacturers specify which repairs, if performed by the end-user, will void product warranty, therefore Roux employees are not typically authorized to perform such maintenance or repairs.

3.2.1.3 PPE Storage

Certain equipment failures can be directly attributed to improper storage. The OHSM or Equipment Manager (or another designated person) is responsible for implementing procedures for appropriate PPE storage, for equipment that is centrally stored. Both central storage and dedicated PPE provided to employees should be stored using the following:

- Store goggles and safety glasses in protective cases.
- Store PPE (such as helmets, boots, etc.) in clean, dust-proof containers or bags out of direct sunlight.
- PPE should ideally be stored under climate-controlled conditions. PPE, stocked gear bags, and/or go-kits should not be stored in hot, cold, or other extreme environmental conditions, and they should not be stored in vehicles (government-owned or rentals) for even short periods of time. Do not store helmets on the rear window shelf of a vehicle.
- Store different kinds of clothing and gloves separately to prevent errors in selection.
- Hang or fold protective clothing in accordance with manufacturers' recommendations.
- Never store contaminated PPE near new protective clothing or street clothing. Potentially contaminated, reusable clothing must be stored (usually bagged) away from new PPE, in a well-ventilated area, with good air flow around each item, until the garment is decontaminated or disposed.
- See Roux's Respiratory Protection Management Program for detailed procedures on storing respirators.

3.3 Fitting, Donning and Doffing PPE

Roux shall provide appropriately sized PPE for Roux employees. Improper fitting such as tight-fitting garments, can tear, especially at the knees, crotch, shoulders, back, and elbows due to movement. Protective clothing that is too large can easily snag and/or limit a user's dexterity. The Roux PM shall ensure site/project-specific PPE is kept in a sufficient stock of appropriately sized PPE (e.g., Level C ensembles). The OHSM, Equipment Manager and/or their designee shall ensure a sufficient stock of appropriately sized PPE is maintained in central storage locations.

The Site Supervisor (SS)/Site Health and Safety Officer (SHSO) is responsible for ensuring that site-specific procedures for donning and doffing PPE are incorporated into site-specific HASPs. Donning and doffing procedures may differ depending on the type of PPE and clothing (e.g., Level D, Modified Level D, Level C) utilized. Figures 1-4, provide examples of procedures that can be used to don and doff Levels A through D and are provided as a reference. Site-specific conditions may warrant adjustments to such procedures. Consult the CHSD for additional information.

Site-specific donning and doffing procedures should include the use of an assistant where necessary. Donning and doffing certain types of PPE without assistance could risk PPE failure or damage. Care must be taken to prevent the spread of contaminants on the PPE. Decontamination procedures should limit the potential for cross contamination and may include gross decontamination of outer boots, gloves, and suits as necessary to prevent tracking of contaminants into the contamination reduction zone (CRZ) and clean zone(s).

3.4 Controlling Hazards Associated with PPE Use

PPE use can pose potential health and safety hazards, which range from minor discomfort to life-threatening height stroke. The magnitude of the potential hazard can vary and will depend on various factors, including an individual's fitness level, the type of PPE worn, the work demands, individual work practices, duration of work and environmental conditions. The use of PPE can also lead to reduced efficiency and work performance.

Among hazards associated with PPE use, heat stress emerges as a prevalent and significant hazard. Particularly, the use of substantial and/or impermeable attire, such as heavy coveralls, Tyvek suits, splash suits, or Level A or B suits, alongside strenuous work, amplifies the risk of heat stress. Regular monitoring for indications of heat stress is imperative for workers operating in such conditions. Roux's Heat Illness Prevention Program lays out requirements for signs and symptoms as well as preventative measures to mitigate the potential for heat illness. In addition, cold environments can pose adverse risk, such examples include use of non-insulated steel-toe safety shoes in frigid conditions which has the potential to increase the risk of frostbite, while safety gloves worn for chemical protection may inadequately insulate hands from the cold.

It is the responsibility of Project Teams to integrate site-specific protocols to manage PPE hazards into such site-specific HASPs. These protocols can encompass considerations like work/rest ratios, crew rotations, and other accommodations for exceptionally demanding conditions.

The following measures are recommended for controlling hazards posed by PPE use:

- Prioritize through the hierarchy of controls with a focus on elimination, substitution, engineering, work practice and administrative control implementation rather than sole reliance on PPE. PPE shall be considered the last line of worker protection.
- Workers should maintain physical fitness to be able to withstand the potential physical strain of PPE use. A physically fit individual will endure less physiological strain, manifesting in a lower heart rate, reduced body temperature (indicating diminished retained body heat), more effective sweating, slightly lower oxygen consumption, and carbon dioxide production. Furthermore, acclimatization to extreme environmental conditions, such as high temperatures, can influence work performance and physical capacity.
- Understand the symptoms of PPE failure. Workers encountering any of these symptoms while donning PPE should promptly notify their onsite SHSO and/or SS:
    - Perception of odors when wearing a respirator
    - Skin irritation
    - Acute discomfort
    - Difficulty breathing
    - Unusual fatigue
    - Dizziness
    - Inability to see, hear, or speak clearly
    - Uncomfortable restriction of movement
    - Rapid pulse, nausea, or chest pain
- Implement a buddy system. Especially in situations where there is a need for increased level of protection (e.g. Level A-C) workers should work in pairs or teams, and are instructed to monitor the integrity of their team/partners gear and remain alert for symptoms of PPE failure.

3.5 PPE Selection

For site-specific work, the Project Manager in consultation with the Health and Safety Department has overall responsibility for coordinating the selection and distribution of PPE to field staff and for ensuring that the selected PPE is appropriate for the site-specific hazards. Generally speaking Roux employees are not engaged in emergency response or perform work at uncontrolled hazardous waste sites, if the case the CHSD shall be made aware of the work and consult with the Project Team on appropriate PPE selection. Most work falls under environmental sampling of low concentration water/soil/perimeter air. Therefore work is carried out in Level D PPE. Upgrades would be based on more information as it becomes available. The United States Environmental Protection Agency (EPA) has created Guidelines for PPE Ensemble Selection to assist workers in selecting PPE ensembles for specific activities and tasks and determining which ensembles and air monitoring equipment should be used to address specific chemicals. Guidelines to Ensembles for Specific Activities/Tasks Where Chemical Exposure is Possible is provided as a reference as Appendix A.

3.6 Protective Clothing Selection Criteria

3.6.1 Chemicals Present

The most important factor in selecting PPE is the determination of what chemicals the employee may be exposed to. The number of chemicals on field investigations may range from a few to several hundred. The exact chemicals or group of chemicals present at the site (certain groups tend to require similar protection) can be determined by collecting and analyzing air, soil, water, or other site media samples. When data are lacking, research into the hazardous materials used or stored at the site can be used to infer potential chemical exposures on the site.

The most appropriate clothing shall be selected once the known or suspected chemicals have been identified and considered based on the type of work to be performed.

Protective garments are made of several different substances for protection against specific chemicals. There is no universal protective material. All will decompose, permeate, or otherwise fail to protect under given circumstances. Fortunately, most manufacturers make guides to using their products (i.e., Dupont's Tyvek™ Permeation Guide). These guides are usually for gloves and coveralls and typically provide information regarding chemical degradation rates (failure of the material to maintain structural integrity when in contact with the chemical) and may provide information on the permeation rate (whether or not the material allows the chemical to pass through). When permeation tables are available, they shall be used with degradation tables to determine the most appropriate protective material for the specific chemical hazard(s).

During most site work, chemicals are usually in mixed combinations, and the protective materials are not in continuous contact with pure chemicals for long periods; therefore, the selected material may be adequate for the particular chemical of most concern and type of work being performed, yet not the "best" protecting material for all site chemicals and activities. Selection shall depend upon the most hazardous chemicals based on their hazards and concentrations. Sometimes, layering (i.e., using several layers of protective materials) affords the best protection.

3.6.2 Concentration of the Chemical(s)

One of the major criteria for selecting protective material is the concentration of the chemical(s) in air, liquid, and solid state. Airborne and liquid chemical concentrations should be compared to the OSHA standards and American Conference of Governmental Industrial Hygienists (ACGIH) and National Institute for Occupational Safety and Health (NIOSH) guidelines to determine the level of skin or other absorptive

surface (e.g., eyes) protection needed. While these standards are not designed specifically for skin exposed directly to the liquid, they may provide skin designations indicative of chemicals known to have significant skin or dermal absorption effects. For example, airborne levels of PCBs on-site may be low because they are not very volatile, so the inhalation hazard may be minimal; however, PCB-containing liquid coming in direct contact with the skin may cause overexposure. Thus, PCBs have been assigned a skin designation in the OSHA and ACGIH exposure limit tables.

3.6.3 Physical State

The characteristics of a chemical may range from nontoxic to highly toxic, depending on its physical state. Inorganic lead in soil would not be considered toxic to site personnel unless it became airborne since it is generally not absorbed through the intact skin. However, organic lead in a liquid could be readily absorbed through the skin. Soil is frequently contaminated with hazardous materials. Concentrations will vary from a few parts per million to nearly one hundred percent by volume. The degree of hazard depends on the type of soil and concentration of the chemical. Generally speaking, "dry" soils that have not become airborne do not pose a hazard to site personnel if they take minimal precautions, such as wearing lightweight gloves.

3.6.4 Length of Exposure

The length of time a material is exposed to a chemical increases the probability of a breakthrough. Determinations of actual breakthrough times for short-term exposures indicate that several materials that would be considered inadequate under long-term exposures can be used. Different materials that would be considered inadequate under long-term exposures can be used. It should be kept in mind that during the manufacturer’s permeation testing, a pure (100% composition) liquid is usually placed in direct contact with the material, producing a worst-case situation.

3.6.5 Abrasion

When selecting protective clothing, the job the employee is engaged in must be taken into consideration. Persons moving drums or performing other manual tasks may require added protection for their hands, lower chest, and thighs. Using leather gloves and a heavy apron over other normal protective clothing will help prevent damage to the normal PPE and thus reduce worker exposures.

3.6.6 Dexterity

Although protection from skin and inhalation hazards is the primary concern when selecting PPE, the ability to perform the assigned task must be maintained. For example, personnel cannot be expected to perform work that requires fine dexterity if they must wear thick gloves. Therefore, the PPE selection process must consider the task being performed and provide PPE alternatives or techniques that maintain dexterity while still protecting the worker (e.g., wearing tight latex gloves over more bulky hand protection to increase dexterity).

3.6.7 Ability to Decontaminate

If disposable clothing cannot be used, the ability to decontaminate the materials selected must be taken into consideration. Once a chemical makes contact with the material, the PPE must be cleaned before reusing it. If the chemical has completely permeated the material, the clothing cannot be adequately decontaminated, and the material should be discarded.

3.6.8 Climactic Conditions

The human body works best with few restraints from clothing. Protective clothing adds a body burden by increasing weight, restricting movement, and preventing the body's natural cooling process. In severe situations, a modified work program must be used.

Some materials act differently when they are very hot and very cold. For example, PVC becomes almost brittle in frigid temperatures. If there are any questions about the stability of the protective materials under different conditions, the manufacturer should be contacted before using PPE in the field.

3.6.9 Work Load

Like climactic conditions, the type of work activity may affect work duration and personnel's ability to perform certain tasks. Similarly, the amount of protective materials a person wears will affect their ability to perform certain tasks. For example, a person in a total encapsulating suit, even at 72˚F, cannot work for more than a short period of time without requiring a break.

The work schedule should be adjusted to maintain the health of the employees. Modified work practices may include allowing more time for individual job tasks and implementing work/rest cycles per NIOSH and ACGIH thermal stress recommendations. Special consideration should be given to the selection of clothing that protects the worker and adds the least burden when personnel are required to perform strenuous tasks. Excessive bodily stress frequently represents the most significant hazard encountered during fieldwork.

3.6.10 Types of Protective Materials

1. Cellulose or Paper: suitable for nuisance dust and coarse fibers.
2. Natural and Synthetic Fibers
    a. Tyvek™: suitable small-sized hazardous particles, including lead, asbestos, and mold.
    b. Tychem™: is suitable for a variety of hazards, from light liquid splashes to heavy exposures to industrial chemicals and agents.
    c. Nomex™: is suitable for flame-resistance, radiation resistance, acids, alkalis, fluorocarbon refrigerants (CFCs), and non-polar solvents.
3. Elastomers
    a. Polyethylene: suitable for polar substances and solvents.
    b. Saran™ : suitable for flame-resistance, acids, alkalis, oils, and organic solvents.
    c. Polyvinyl Chloride (PVC): suitable for alcohols, oils, inorganic acids, alkalis, and salts.
    d. Neoprene: suitable for polar/non-polar substances, petroleum mixtures, and ≤ 200 F heat resistance.
    e. Butyl Rubber: suitable for polar substances and solvents.
    f. Viton: suitable for non-polar substances, petroleum mixtures, and ≤ 200 F heat resistance.
    g. Nitrile: suitable for polar/non-polar substances and petroleum mixtures.

3.7 Protection Levels

3.7.1 Level A Protection

Level A protection (a fully encapsulated suit) is used when skin hazards exist or when no known data positively rule out skin and other absorption hazards. Per the Roux Respiratory Protection Management

Program, Roux employees are not authorized to enter an IDLH atmosphere; therefore, the program does not allow supplied air respirators (SARs) or self-contained breathing apparatus (SCBA). At no time will Level A work be performed without the consent of the CHSD and OM.

The following conditions warrant the use of Level A protection:

- Hazardous substances have been identified and require the highest level of protection for skin, eyes, and the respiratory system;
- The atmosphere contains less than 19.5% oxygen or an atmosphere immediately dangerous to life and health (IDLH) that have not been ruled out;
- Site operations involve a high potential for splash, skin immersion, or exposure to suspected skin hazards;
- Direct-reading instruments indicate high levels of unidentified but potentially hazardous vapors or gases in the air (e.g., Total atmospheric readings on the Photoionization Detector (PID), Flame Ionization Detector (FID), and similar instruments indicate 500 to 1,000 ppm of unidentified substances); and
- Direct-reading instruments are not available to test the air and suspected highly toxic substances may be present.

It may be necessary to base the decision to use Level A protection on indirect evidence. Other conditions that may indicate the need for Level A protection include:

- Confined spaces;
- Sites containing known skin hazards;
- Sites with no established history to rule out skin and other absorption hazards;
- Site exhibiting signs of acute mammalian toxicity (e.g., dead animals, illnesses associated with past entry into the site by humans);
- Sites at which sealed drums of unknown materials must be opened;
- Visible indicators such as leaking containers or smoking chemical fires; and
- Extremely hazardous substances (e.g., cyanide compounds, concentrated pesticides, Department of Transportation Poison "A" materials, suspected carcinogens, and infectious substances) are known or suspected to be present, and skin contact is possible.

Table 1: Recommended Level A Ensemble Components			
Component	**Type**	**Manufacturer / Recommended Material**	**Notes**
Respirator	Positive-pressure full- facepiece SCBA or positive-pressure supplied-air respirator with escape SCBA[1]	NIOSH approved respirator	See Roux's Respiratory Protection Program. Roux employees are not approved to utilize Supplied Air (SAR) and/or Self-contained breathing apparatus (SCBA).
Suit	Totally encapsulated chemical- and vapor-protective suit	DuPont® Tychem™ or Responder CSM™	Other material types may be substituted based on known contaminants.
Inner Gloves	Light weight	Nitrile, Neoprene, PVC, or Viton®	Other material types may be substituted based on known contaminants.
Outer Gloves	Integral part of suit	See Appendix A for additional information	Confirm chemical performance rating for suspected contaminants. Glove material may have different performance ratings than suit material. All fully-encapsulating suit materials must be compatible with substances involved.
Inner Boot	Integral Part of Suit	-	-
Outer Boot	HazMat boot[2]	–	Confirm chemical performance rating of outer boot for suspected contaminants. Provides slip/abrasion resistance.
Hard Hat	Standard[3]	-	-

[1] Must be NIOSH approved.
[2] Must meet NFPA 1991/NFPA 1994 requirements depending on the site hazard assessment.
[3] Must comply with the applicable ANSI standard.

3.7.2 Level B Protection

Level B protection is utilized when the highest level of respiratory protection is needed, but hazardous material exposure to the few unprotected areas of the body is unlikely. At no time will Level B work be performed by Roux personnel without the consent of the CHSD and OM.

The following conditions suggest a need for Level B protection:

- The type and atmospheric concentration of toxic substances have been identified, and they require the highest level of respiratory protection;

- IDLH atmospheres where the substance or concentration in the air does not present a severe skin hazard;
- The type and concentrations of toxic substances do not meet the selection criteria permitting the use of air-purifying respirators and
- It is highly unlikely that the work being done will generate high concentrations of vapors, gases, particulates, or splashes of materials that will affect personnel's skin.

Table 2: Recommended Level B Ensemble Components

Component	Type	Manufacturer / Recommended Material	Notes
Respirator	Positive-pressure full- facepiece SCBA or positive-pressure supplied-air respirator with escape SCBA[1]	NIOSH approved respirator	See Roux's Respiratory Protection Program. Roux employees are not approved to utilize Supplied Air (SAR) and/or Self-contained breathing apparatus (SCBA).
Suit	Chemical-resistant clothing (liquid-splash protective suit with integral boot and hood)[2]	DuPont® Tychem® CPF 3	Other material types may be substituted based on known contaminants.
Inner Gloves	Light/medium weight	Nitrile, Neoprene, PVC, Viton®, or PE/EVAL	Other material types may be substituted based on known contaminants.
Outer Gloves	Medium/heavy weight	Butyl MIL-G12223, Nitrile, Neoprene, PVC, Viton®, PE/EVAL, or heavy weight Nitrile or Neoprene	Confirm chemical performance rating. Other material types may be substituted based on known contaminants.
Inner Boot	Safety work boot	–	Other boot types may be substituted based on known contaminants and physical hazards. Puncture resistant shanks may be required.
Outer Boot	Heavy weight Latex booties or outer boots[2]	Latex booties are used to protect suit for light duty applications. NFPA-rated outer boots may be required based on anticipated site conditions and tasks.	Other outer boot coverings may be substituted based on known contaminants/anticipated tasks.
Hard Hat	Standard[3]	-	-

[1] Must be NIOSH approved.
[2] Must meet NFPA 1991/NFPA 1994 requirements depending on the site hazard assessment.
[3] Must comply with the applicable ANSI standard.

3.7.3 Level C Protection

Level C protection is utilized when skin and respiratory hazards are well defined, and the criteria for using negative pressure respirators have been fulfilled (i.e., known contaminants and contaminant concentrations, acceptable oxygen levels, approved filter/cartridge available, known cartridge service

life, etc.). Level C protection may require an emergency escape respirator during specific initial entry and site reconnaissance situations or when applicable after that.

Table 3: Recommended Level C Ensemble Components

Component	Type	Manufacturer / Recommended Material	Notes
Respirator	Full-face air-purifying respirator with appropriate cartridge[1]	NIOSH approved respirator	See Roux's Respiratory Protection Program for information about the brand, model, acceptable configurations, and specific care instructions for the standard issue respirator. Half-faced respirators may be donned if hazard assessment warrants.
Suit	Puncture/tear resistant suit material with boot and hood[2]	DuPont® Tychem® CPF 2/CPF 3 or Saranex	Other material types may be substituted based on known contaminants, if considered more appropriate.
Inner Gloves	Light weight	Nitrile, Neoprene	Other material types like Neoprene, PVC, Viton®, or PE/EVAL may be substituted based on known contaminants, if considered more appropriate.
Outer Gloves	Medium/heavy weight	Butyl, Nitrile, or other work glove	Confirm chemical performance rating. Other material types may be substituted based on known contaminants, if considered more appropriate.
Inner Boot	Safety work boot	–	Other boot types may be substituted based on known contaminants and physical hazards. Puncture resistant shanks may be required.
Outer Boot	Heavy weight Latex booties or outer boots[2]	Latex booties are used to protect suit for light duty applications. NFPA rated outer boots may be required based on anticipated site conditions and tasks.	Other outer boot coverings may be substituted based on known contaminants.
Hard Hat	Standard[3]	-	-
Eye Protection	Safety glasses/goggles[3,4]	-	-

1 Must be NIOSH approved.
2 Must meet NFPA 1991/NFPA 1994 requirements depending on the site hazard assessment.
3 Must comply with the applicable ANSI standard.
4 In the case a ½ face respirator is worn eye protection is required.

3.7.4 Level D Protection

Level D is the basic work uniform. Level D is worn when the atmosphere contains no known hazard. Work functions preclude splashes, immersion, potential for inhalation, or direct contact with hazard chemicals. For most Roux field jobs Level D is the standard minimum level of protection worn.

Table 4: Recommended Level D Ensemble Components

Component	Type	Manufacturer / Recommended Material	Notes
Respirator	None	-	-
Suit	Coveralls, street clothes, or disposable Tyvek suit	–	Other types may be substituted as appropriate.
Inner Gloves	N/A		
Outer Gloves	As appropriate for physical hazards and for comfort	–	-
Boot	Safety work boot	–	Roux's standard safety boot is 6", steel/composite safety toe, and electrical hazard (EH) rated.
Outer Boot Covering	As appropriate	–	–
Hard Hat	Standard[3]	-	-
Eye Protection	Safety glasses/goggles[3]	-	-
High Visibility Clothing	High Visibility Vest /Jacket[3]	-	ANSI Class 2 Safety Vests/Jackets are the standard. Class 3 Safety vests/jackets shall be worn in worksites with 50+ MPH traffic.
Hearing Protection	Ear muffs/plugs	-	Workers exposed to excessive noise shall don hearing protection. Refer to Roux's Hearing Conservation Program for more information.

[1] Must be NIOSH approved.
[2] Must meet NFPA 1991/NFPA 1994 requirements depending on the site hazard assessment.
[3] Must comply with the applicable ANSI standard.

3.7.5 Level E Protection

Level E protection is used when radioactivity above 10 millirems per hour (mrems/hr) is detected at the site. Personal protective equipment for Level E includes:

- Coveralls;
- Air purifying respirator (i.e., P100 or equivalent);
- Time limits on exposure;
- Appropriate dermal protection for the type of radiation present, and

- Radiation dosimetry and ambient monitoring.

3.7.6 Additional Considerations

Fieldwork will contain a variety of situations due to chemicals in various concentrations and combinations. These situations may be partially ameliorated by following the work practices listed below:

1. Foot protection is needed on every site. If the ground to be worked on is contaminated with liquid, and it is necessary to walk in the chemicals, some sort of protective shoe coverings or "booties" can be worn over the boots. Shoe coverings should be designed with soles to help prevent slips. Using disposable shoe coverings when contacting liquid contamination can on and reduce overall decontamination requirements. If non-liquids are to be encountered, a Tyvek™ bootie could be used. The advantage of booties is questionable if the ground contains any sharp objects. Boots should be worn with either cotton or wool socks to help absorb perspiration.
2. If the site requires hard hats, chin straps should be used if a person will be stooping over where his/her hat may fall off. Respirator straps should not be placed over the hard hats, as this will affect the respirator's fit.

   Some types of protective materials conduct heat and cold readily. In cold conditions, natural material clothing should be worn under protective clothing. Protective clothing should be removed before allowing a person "to get warm." Applying heat, such as with a space heater, to the outside of the protective clothing may drive contaminant permeation. In hot weather, under clothing will absorb sweat. It is recommended that workers use all cotton undergarments.
3. Body protection should be worn and taped to prevent anything from running into the top of the boot. Gloves should be worn and taped to prevent substances from entering the top of the glove. Duct tape is preferred, but masking tape can be used. When aprons are used, they should be taped across the back for added protection. However, this should be done so that the person has mobility.
4. Atmospheric conditions such as precipitation, temperature, wind direction, humidity, wind velocity, and pressure determine the behavior of contaminants in air or the potential for volatile materials to become airborne. These parameters should be considered in determining the need for and the level of protection.
5. A program must be established for periodic air monitoring during site operations. Without an air monitoring program, any changes to air quality would go undetected and might jeopardize on-site personnel. Monitoring can be done with various types of air pumps and filtering devices, followed by laboratory analysis of the filtration media, personnel dosimeters, and periodic walk-throughs by personnel carrying real-time direct-reading survey instruments.
6. For operations in the exclusion zone, different levels of protection may be selected, and various types of chemical-resistant clothing may be worn. This selection should be based on the job function, reason for being in the area, and the potential for skin contact with, or inhalation of, the chemicals present.
7. Escape masks must be readily available when levels of respiratory protection do not include an SCBA and the possibility of an IDLH atmosphere exists. The use and placement of escape masks should be made on a case-by-case basis. Escape masks should be strategically located at the site in areas with higher potential for vapors, gases, or particulates.

3.8 Decontamination of PPE

Roux prefers the use of single use PPE to minimize the requirement for significant decontamination. The following procedures shall be considered should a field project require the need for decontamination of PPE. Roux has also developed a Site Control and Decontamination Management Program.

3.8.1 Site-Specific Decontamination Plans

The Project Manager (or another authorized individual) is responsible for formulating the site-specific PPE decontamination plan as an integral part of the Health and Safety Plan (HASP). The SHSO/SS' responsibilities include ensuring the plan's implementation and adapting it as site conditions evolve. Refer to Roux's Site Control and Decontamination Management program for additional requirements.

The decontamination plan, often created in conjunction with PPE selection, must be established prior to workers entering potentially contaminated areas. The plan should address the following key aspects:

- Decontamination Hazard Evaluation and Risk Assessment: Assessing risks associated with decontamination processes.
- PPE for Decontamination Line Assistants: Specifying appropriate PPE for personnel involved in decontamination.
- Roles and Responsibilities During Decontamination: Defining tasks and duties during the decontamination process.
- Layout and Quantity of Decontamination Stations: Determining the number and arrangement of decontamination stations, along with the designated PPE decontamination procedures at each station.
- Decontamination Equipment: Identifying the necessary equipment for effective decontamination.
- Decontamination Methods: Describing the methods and protocols for decontaminating personnel and equipment.
- Preventing Contamination of Clean Areas: Outlining procedures to prevent contamination of uncontaminated zones.
- Minimizing Contact with Contaminants During CPC Removal: Providing guidelines to reduce wearer exposure during the removal of Chemical Protective Clothing (CPC).
- Disposal Procedures for Inadequately Decontaminated Clothing and Equipment: Ensuring proper disposal practices for items that have not been adequately decontaminated.

The initial decontamination plan, which is developed in conjunction with the initial site hazard assessment, should be based on worst-case assumptions about the extent and type of contamination.

3.8.2 Emergency Decontamination of PPE

The designated SHSO/SS (or another authorized individual) assumes responsibility for addressing emergency decontamination within the site-specific Health and Safety Plan (HASP). Emergency decontamination may become necessary due to events such as fires, explosions, sudden violent storms, or medical emergencies. The emergency decontamination plan must clearly delineate emergency egress routes, as well as procedures for both decontamination and egress.

Some key points to consider regarding emergency decontamination.

- Immediate Notification: The SHSO/SS (or their designated counterpart) must be promptly informed of any circumstances requiring emergency decontamination. Additionally, they are accountable for tracking all personnel during the process.
- Urgent Medical Treatment: If urgent medical attention is necessary, decontamination of PPE may be delayed until the victim's condition stabilizes.
- Balancing Priorities: When feasible, decontamination should occur without hindering essential first aid. However, if a worker is exposed to an extremely toxic or corrosive substance, immediate decontamination is crucial to prevent severe injury or fatality.

- Heat-Related Illness: In cases of heat-related illness, protective clothing must be promptly removed (refer to Roux's Heat Illness Prevention Program).

Emergency Facilities:

- For workers potentially exposed to corrosive materials, quick drenching or flushing facilities must be provided in accordance with 29 CFR 1910.151(c) and 1926.50(g).
- Similarly, if workers face other hazards (such as splash or dust) that could harm the eyes or body, readily accessible wash stations are essential. These stations should be properly located and maintained, including regular water changes, as per the manufacturer's instructions.

3.8.3 Protection of Decontamination Line Assistants

Should work require a decontamination corridor the following shall be used as guidance. The SHSO/SS (or other designated person) must for ensuring that decontamination line assistants receive appropriate PPE and addressing their protection within the site-specific HASP. Key zones—namely, the Exclusion Zone (EZ), Contamination Reduction Zone (CRZ), and Clean Support Zone—must be clearly marked both in the field and within the site-specific HASP. The following should be considered when preparing for protection of decontamination line assistants.

1. Task Hazard Analysis: A thorough analysis must be conducted for line assistants to determine the optimal PPE level required. Factors influencing this decision include:
    - Expected or Visible Contamination on Responders
    - Type of Contaminant and associated respiratory and skin hazards
    - Total Vapor/Gas Concentrations in the CRZ
    - Presence of Particulates and specific inorganic or organic vapors in the CRZ
    - Results of Wipe Tests (refer to Section 5.4)
    - Slope and Configuration of the CRZ
2. PPE Levels: Depending on the situation:
    - Line assistants may need to wear the same PPE level as workers in the EZ.
    - Alternatively, line assistants may be adequately protected by using PPE one level lower (e.g., wearing Level C protection while decontaminating workers who are wearing Level B)."

3.8.4 Procedures to Minimize PPE Contamination

Proper work practices and procedures should be implemented at sites to minimize the potential for contact with chemicals of concern while onsite. The following guidance should be considered when developing site specific procedures:

- Opt for single-use Personal Protective Equipment (PPE) when feasible to minimize decontamination needs.
- Ensure complete sealing of PPE closures and interfaces, including pockets, zippers, and other potential openings.
- Position gloves and boots underneath the sleeves and pant legs of outerwear to reduce exposure.
- Place hoods outside the collar if they are not already attached.
- Utilize disposable outerwear and equipment when suitable to facilitate easy disposal and reduce decontamination efforts.
- Secure all junctions with tape to block contaminants from entering gloves, boots, jackets, and suits.

- Adopt work practices that limit contact with hazardous substances, such as avoiding unnecessary exposure.
- Employ remote techniques for sampling, handling, and opening containers, like using drum grapples and pneumatic impact wrenches.
- Store monitoring and sampling devices in bags designed with openings for sample ports and sensors.
- Cover contaminant sources with plastic sheeting or overpacks to shield PPE from contamination.

3.8.5 PPE Disposal

The PM in coordination with the field team shall ensure the safe disposal of all wastes generated from PPE use. PPE must be placed in appropriate containers, labeled, and prepared for disposal separately from other forms of waste. Refer to Roux's General Waste Corporate Management Program for further guidance.

APPENDIX A
EPA's
GUIDELINES TO ENSEMBLES FOR SPECIFIC ACTIVITIES/TASKS
WHERE CHEMICAL EXPOSURE IS POSSIBLE

GUIDELINES TO ENSEMBLES FOR SPECIFIC ACTIVITIES/TASKS
WHERE CHEMICAL EXPOSURE IS POSSIBLE

IMPORTANT: READ FOOTNOTES AND ASSUMPTIONS/JUSTIFICATIONS PRIOR TO USING TABLE

Notes:

1. This table is for use by trained environmental professionals only. To use this table:
   a. Scan the activity description to find activities (bolded) that most closely matches those you plan to engage in.
   b. Review Hazard/Conditions section to make sure the hazards of the planned activity match those listed. Note the Required Work Practices and be ready to follow them.
   c. For those activities most likely to be conducted as part the response, select Targeted Minimum PPE (Personal Protective Equipment).
   d. Necessary equipment needs to be available and used unless other information becomes available which necessitates an upgrade or allows a downgrade in the protection level. The work area must be continuously re-evaluated to ensure workers have the proper safety equipment.
   e. When working in hazardous environments, workers must always be aware of their surroundings. In addition to this Table, workers entering these environments need to use "common sense" prior to proceeding.
2. These ensembles focus on chemical protection and may not be adequate for all hazards. This Table can be used as a starting point but does not circumvent proper evaluation by an industrial hygienist in appropriate situations. See Table 2 for more specific chemical agents.
3. Suits, gloves, boots listed in the Minimum PPE column will not be appropriate for all activities, hazards and conditions. The listings should be used as a guide only. Confirm PPE compatibility with specific chemical contaminants.
4. A comprehensive Task Hazard Analysis must be performed prior to final selection of ensembles/PPE material types.
5. Hardhat (Class A or C), safety glasses/other eye protection are typically required but may not be specified here. In noisy environments (above 85dB) hearing protection is required. In areas where there is traffic, heavy machinery, or other hazards involving worker visibility problems a Class 2 High Visibility Vest must be worn. Activities requiring vests include natural disaster responses, demolitions, and excavations.
6. PPE makes and models referenced in these tables are only suggestions. Other comparable, adequate makes and models may be used.

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Emergency Response and/or Initial Entry/Assessment – Low Hazard Expected (Sites/Facilities): • Air and Radiation Monitoring Sweep • Visual Assessment • Note Taking • Photo-documentation	• Suspected low hazard based on site history/visual evidence. • No CBRN suspected. • No visible/suspected vapors. • No potential for IDLH atmosphere. • Unknown physical hazards. • Some site background information. • No intrusive work expected. • Low potential for chemical splash/contact (based on expected tasks/ known conditions). • **Required Work Practice:** Immediate PPE Change-out (i.e., gloves, etc.) upon contact with chemicals. • **Required Work Practice:** Must follow standard air monitoring protocol.	**Level B** (Downgrade/upgrade based on knowledge of contaminants and monitoring with PID/FID, radiation detector, LEL/O_2 per HASP/ SOSGs) **Respirator: Scott or MSA Full Face** **Suit Type:** [I]Tychem CPF-3 (with boot, hood)/ChemTape **Inner Glove:** [II]Nitrile (6 mil min recommended) **Outer Glove:** [II]Neoprene, Nitrile, (28 mil min recommended) **Outer Steel Toe Boot:** [IV]Tingley HazProof Model 82330 **or** **Steel Toe Boot Cover**: [V]Latex HazMaster Booty and rely on suit boot material for permeation protection. **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON**: Dry or soap & water

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Emergency Response and/or Initial Entry/Assessment of Unknown – Potential Moderate Hazard (Sites/Facilities): • Air and Radiation Monitoring Sweep • Visual Assessment • Note Taking • Photo-documentation	• Possible high hazard chemicals based on site history/visual evidence (spills, corrosion, industrial practices, etc.). • No CBRN suspected. • No visible/suspected vapors. • **No** reasonable potential for **IDLH** atmosphere. • Unknown physical hazards. • Little/ no site background information. • No intrusive work expected. • Low potential for chemical splash/contact. • **Required Work Practice:** Immediate PPE Change-out (i.e., gloves, etc.) upon contact with chemicals. • **Required Work Practice:** Must follow standard air monitoring protocol.	**Level B** (Downgrade/upgrade based on knowledge of contaminants and monitoring with PID/FID, radiation detector, LEL/O_2 per HASP/ SOSGs) **Respirator: Scott or MSA Full Face** **Suit Type:** [I]Tychem Responder (with boot, hood)/ChemTape **Inner Glove:** [II]Nitrile (6 mil min recommended) **Outer Glove:** [II]Neoprene, Nitrile, (28 mil min recommended) **Outer Steel Toe Boot:** [IV]Tingley HazProof Model 82330 **or** **Steel Toe Boot Cover**: [V]Latex HazMaster Booty and rely on suit boot material for permeation protection. **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON**: Dry or soap & water

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Emergency Response and/or Initial Entry/Assessment of Unknown - Suspected High Hazard (Sites/Facilities): • Air and Radiation Monitoring Sweep • Visual Assessment • Note Taking • Photo-documentation	• Potential for high hazard chemicals/ IDLH based on site history/visual evidence (visible/expected reactions, spills, vapors, fumes, smoke, known releases, etc.). • No CBRN suspected. • Potential for chemical reactions. • Unknown physical hazards. • Little/ no site background information or information suggesting high hazard. • Intrusive work possible. • Potential for chemical splash/contact. • **Required Work Practice:** Immediate PPE Change-out (i.e., gloves, etc.) upon contact with chemicals. • **Required Work Practice:** Must follow standard air monitoring protocol.	**Level A** (Downgrade/upgrade (Trelleborg, etc.) based on knowledge of contaminants and monitoring with PID/FID, radiation detector, LEL/O_2 per HASP/ SOSGs) **Respirator: Scott or MSA Full Face** **Suit Type:** Encapsulating [I]Tychem Responder/Responder CSM (with boot, hood, gloves)/ChemTape **Inner Glove:** [II]Nitrile (6 mil min recommended) **Outer Glove:** [II]Neoprene, Nitrile, (28 mil min recommended) **Outer Steel Toe/Steel Shank Boot:** [IV]Tingley HazProof Model 82330 and rely on suit boot material for permeation protection. (ASTM F-2413/ANSI Z41) **DECON**: Dry or soap & water: water source for emergency DECON; other DECON agents on hand.

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Drum/Tank Sampling • Container opening • Continuous air monitoring • Product sampling	• Unknown chemicals. • No CBRN. • Potential splash hazard. • Physical hazard controls in place. • Assumes no initial hazardous atmosphere. • Ensure availability of water source for emergency DECON/shower/eyewash. • **Required Work Practice:** Immediate PPE Change-out (i.e., gloves, etc.) upon contact with chemicals. • **Required Work Practice:** Must follow standard air monitoring protocol.	**Level B** (Upgrade/Downgrade based on knowledge of contaminants and monitoring with PID/FID, radiation detector, LEL/O_2 per HASP/ SOSGs) **Respirator: Scott or MSA Full Face** **Suit Type:** [I]Tychem Responder (with boot, hood)/ChemTape **Inner Glove:** [II]Nitrile, Neoprene, Viton, PVC **Outer Glove:** [II]Heavy Duty Butyl, Nitrile, **Other:** ANSI Approved Splash Shield **Outer Steel Toe Boot:** [IV]Tingley HazProof Model 82330 **or** **Steel Toe Boot Cover**: [V]Latex HazMaster Booty and rely on suit boot material for permeation protection. **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON:** Dry DECON or soap and water; water source for emergency DECON and eyewash suggested.

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Hazardous Categorization Testing (**HAZCAT**) • Opening sample containers in controlled environment • Working with small sample quantities in well ventilated area • Conducting HAZCAT testing with appropriate lab equipment	• Assumes known chemical classes and site situation/background. • No CBRN suspected. • Assumes immediate suit removal if contaminated and frequent glove changes. • **Required Work Practice:** Immediate PPE Change-out (i.e., gloves, etc.) upon contact with chemicals. • **Required Work Practice:** Must follow standard air monitoring protocol.	**Level B** (Upgrade/Downgrade based on knowledge of contaminants and monitoring with PID/FID, radiation detector, LEL/O_2 per HASP/ SOSGs) **Respirator: Scott or MSA Full Face** **Suit Type:** [I]Tychem CPF4 (with hood, boot) **Inner Glove:** [II]Nitrile **Outer Glove:** [II]Viton or 4-H (use surgie over the 4-H for dexterity) **Outer Steel Toe Boot:** [IV]Tingley HazProof Model 82330 **or** **Steel Toe Boot Cover**: [V]Latex HazMaster Booty and rely on suit boot material for permeation protection. **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON:** Dry or soap and water; water source for emergency DECON and eyewash suggested

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Oil Spill Response/Recovery Operations – Fresh Product: • Recovery operations (vac truck, skimmers, boom deployment where direct contact expected) • Product sampling • Continuous air monitoring at/near source of spill	• Crude oil/diesel/kerosene/gasoline spill. • Assumes fresh/ongoing spill, close proximity to source. • Assumes early phase while evaporation of light organics, benzene/other aromatics is still occurring (24-48 hours or if spill is on-going). • Assumes down-wind location. • Continuous air monitoring required for %LEL, Organics, $\%O_2$ (and H_2S as necessary for sour crude). • **Required Work Practice:** Immediate PPE Change-out (i.e., gloves, etc.) upon contact with chemicals. • **Required Work Practice:** Must follow standard air monitoring protocol.	**Modified Level C:** 1/2 face respirator w/safety glasses/goggles as needed for splash protection. Downgrade as appropriate based on air monitoring. **Respirator: Scott or MSA ½ Face** **Respirator Cartridge:** [III] Multi-Phase Cartridge (Scott 642 Multi-purpose; MSA with/GME P-100 or equivalent). **Suit Type:** [I]Tychem CPF4 w/boot [jet fuel use Tychem BR] **Inner Glove:** [II]Neoprene (for protection at DECON line only, not for prolonged contact) **Outer Glove:** [II]Viton-Butyl Rubber (assumes potential for direct contact with fresh material – based on benzene/aromatic constituents) SEE NEXT ROW FOR WEATHERED PRODUCT. **Outer Steel Toe Boot:** [IV]Tingley HazProof Model 82330 **or** **Steel Toe Boot Cover**: [V]Latex HazMaster Booty and rely on suit boot material for permeation protection. **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON:** Dry DECON/ Soap and water as feasible

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Oil Spill Response Assessment/Recovery – Weathered Product • Shoreline clean-up assessment (SCAT) • Environmental sampling/weathered product sampling • Recovery Operations for weathered material • Assessment via boat/on or near water – use appropriate flotation device with ensemble.	• Crude oil/diesel/kerosene/gasoline spill. • Assumes weathered oil (over 24-48 hours, depending on spilled material and ambient temperatures). • Assumes operations are remote from source of spill. • Assumes no other potential for airborne aromatics/benzene/flammable vapors.	**Modified Level D** (Upgrade/Downgrade based on potential for contact and air monitoring with FID/PID, LEL/O_2 Meter. **If contact with material suspected, use following:** **Suit Type:** [I]Tychem F w/boot [jet fuel-Tychem BR] (Tychem SL may be an option for weathered crude/diesel – see manufacturer's information) **Inner Glove:** [II]Nitrile **Outer Glove:** [II]Nitrile (Best Nitri-solv 727) **Outer Boot Cover:** [V]Latex HazMaster Booty **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON:** Dry DECON/Soap and water as feasible

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Demolition/Excavation Operations: • Heavy equipment operation • Excavation/Trenching • Continuous air monitoring when soil is disturbed or demolition activities conducted. • Fuel Oil underground tank removal. • Drum Excavation activities EXCLUDED.	• Demolition activities generating potentially hazardous particulates (asbestos, lead, silica, etc.). • Excavation activities that could expose soil contaminated with low levels of known hazardous chemicals to the surrounding area /in the trench/ excavation. • No potential for IDLH atmosphere. • Site background information available. • Known physical hazards. • Workers will have minimal/ no contact with contaminants (i.e., operators in a cab, inspectors/ observers at a safe distance). • Continuous air monitoring required in trench for %LEL, Toxics, and $\%O_2$ when workers are in trench and for particulate when activities generating particulate are conducted. • **Required Work Practice:** Must follow standard air monitoring protocol.	**Modified Level C:** 1/2 face respirator w/safety glasses. Downgrade or upgrade as appropriate based on air monitoring. **Respirator: Scott or MSA ½ Face** **Respirator Cartridge:** [III] Multi-Phase Cartridge (Scott 642 Multi-purpose P-100; MSA with/GME P-100 or equivalent). **Suit Type:** [I]Proshield Next Gen **Inner Glove:** NA **Outer Glove:** Leather **Outer Steel Toe Boot: NA** **Steel Toe Boot Cover**: [V]Latex HazMaster Booty (if chemical in soil is possible) **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON:** Dry DECON/ Soap and water as feasible

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Natural Disaster Response (Hurricane, Tornado, Flood, Earthquake) - Orphan Container Recovery: • Routine hand collection/pick-up of small containers from debris piles/lines • Land based operations - conducted on foot **Note:** Physical Hazards may necessitate PPE modifications.	• Unknown materials – confident identification based on visual observations. • **Required Work practice:** re-evaluate prior to moving suspicious containers. Air monitoring and PPE upgrade may be required. • **Required Work Practice:** Immediate PPE Change-out (i.e., gloves, etc.) upon contact with chemicals. • **Required Work Practice:** Must follow standard air monitoring protocol.	**Modified Level D:** Upgrade/downgrade based on suspicious containers (not easily identified visually) and air monitoring with PID/FID, radiation detector, LEL/O_2 per HASP/ SOSGs **Suit Type:** [I]Tychem CPF-3 w/boot **Inner Glove:** [II]Nitrile **Outer Glove:** [II]Nitrile (Best Nitri-solv 727) or Leather **Outer Boot Cover:** [V]Latex HazMaster Booty **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON:** Dry DECON/Soap and water as feasible
Natural Disaster Response (Hurricane, Tornado, Flood, Earthquake) - Orphan Container Recovery: • Routine Drum recovery from debris lines/piles/ other – conducted on land **Note:** Physical Hazards may necessitate PPE modifications.	• Unknown materials – confident identification based on visual observations. • **Required Work practice:** re-evaluate prior to moving suspicious containers. Air monitoring and PPE upgrade may be required. • **Required Work Practice:** Immediate PPE Change-out (i.e., gloves, etc.) upon contact with chemicals. • **Required Work Practice:** Must follow standard air monitoring protocol.	**Modified Level D:** Upgrade/downgrade based on suspicious containers (not easily identified visually) and air monitoring with PID/FID, radiation detector, LEL/O_2 per HASP/ SOSGs **Suit Type:** [I]Tychem CPF-3 w/boot **Inner Glove:** [II]Nitrile **Outer Glove:** [II]Nitrile (Best Nitri-solv 727) or Leather **Outer Boot Cover** [V]Latex HazMaster Booty **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON:** Dry DECON/Soap and water as feasible

Activity Description	Hazards/Conditions	Targeted Minimum PPE
Natural Disaster Response (Hurricane, Tornado, Flood, Earthquake) – Flood water sampling: • Water Sampling of flood waters where potential for contact with hands/feet is high **Note:** Physical Hazards may necessitate PPE modifications.	• Unknown contaminants • Potential for pathogens suspected • Low potential for acute exposure to hazardous chemicals • Assumes open air/well ventilated areas **Required Work Practice:** Monitor all poorly ventilated areas in appropriate PPE/Respiratory Protection for organic vapors (PID & FID), %LEL/flammable atmospheres, H_2S prior to entry	**Modified Level D:** Upgrade based on more information as it becomes available. **Suit Type:** [I]Proshield Next Gen **Inner Glove:** [II]Nitrile **Outer Glove:** [II]Nitrile (Best Nitri-solv 727) **Outer Boot**: Waders (butyl, neoprene) as needed. **Steel Toe/Steel Shank Boots:** ASTM F-2413/ANSI Z41 **DECON:** Dry DECON/Soap and water as feasible
Environmental Sampling (Low Concentration Water/Soil/Perimeter Air): • Multi-media Sampling • Documentation (written/photo) • Inspection of clean-up operations	• Known Chemical Contaminants. • Airborne concentrations well below PELs. • Minimal chance of skin exposure to chemicals. • Insects possible.	**Level D:** Upgrade based on more information as it becomes available. **Suit Type:** [I]Proshield 1 (if ticks, etc. maybe a problem) **Inner Glove:** [II]Nitrile **Outer Glove:** NA **Outer Boot:** NA **Steel Toe Boots:** ASTM F-2413/ANSI Z41 **DECON:** NA

i. Tychem and Proshield suits can be purchased from Safeware: 800-331-6707, http://www.safewareinc.com , (see also LSS, http://www.labsafety.com, Dupont: 1-800-931-3456, http://www2.dupont.com/Personal_Protection/en_US/index.html)

ii. Nitrile Inner/Outer Gloves; Viton; Butyl Rubber; 4-H (polymeric) can be purchased from Safeware: 800-331-6707, http://ww.safewareinc.com ; Airgas: 1-866-718-0685, http://www.airgas.com (see also North Safety, http://www.northsafety.com); Best Gloves, http://www.bestglove.com ; Lab Safety Supply (LSS), http://www.labsafety.com; Airbill, http://www.airbill.com)

iii. Multi-Phase Cartridge (Scott 642 Multi-purpose; MSA with/GME P-100 or equivalent) can be purchased from LSS: 1-800-356-0673, http://www.labsafety.com (see also Safeware, http://www.safewareinc.com; Scott Safety, http://www.scotthealthsafety.com/; MSA, http://www.msanet.com/)

iv. Tingley HazProof Overboots or similar can be purchased from LSS: 1-800-356-0673, http://www.labsafety.com; National Safety, Inc.: 1-800-213-7092, http://www.nationalsafetyinc.com

v. Latex Hazmaster Booties, Nuke Boot or similar can be purchased from Safeware: 800-331-6707, http://www.safewareinc.com; Airbill: 1-215-632-2000, http://www.airbill.com; (see also Airgas, http://www.airgas.com; LSS, http://www.labsafety.com

APPENDIX E

Subsurface Utility Clearance Management Program

SUBSURFACE UTILITY CLEARANCE MANAGEMENT PROGRAM

CORPORATE HEALTH AND SAFETY DIRECTOR	:	**Brian Hobbs, CIH, CSP**
EFFECTIVE DATE	:	**01/2019**
REVIEW DATE	:	**03/2024**
REVISION NUMBER	:	**4**

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APPENDICES

Appendix A – Roux Subsurface Utility Clearance Checklist/ Utility Verification/Site Walkthrough Record

Appendix B – Private Utility Technology Applications and Considerations

1. PURPOSE

Roux Associates, Inc. and its affiliated companies, Roux Environmental Engineering and Geology, D.P.C., and Remedial Engineering (collectively, "Roux") has instituted the following program for completing proper utility mark-outs and for conducting subsurface clearance activities. This establishes a method to ensure, to the greatest extent possible, that utilities have been identified and contact and/or damage to underground utilities and other subsurface structures will be avoided. For the purpose of this program, a structure is defined as any underground feature that may present a potential source(s) of energy, such as, but not limited to, utility vaults, bunkers, piping, electrical boxes, wires, conduits, culverts, utility lines, underground tanks, and ducts.

2. SCOPE AND APPLICABILITY

The Subsurface Utility Clearance Management Program applies to all Roux employees, its contractors, and subcontractors. Employees are expected to follow this program for all intrusive work involving Roux or other personnel (e.g., contractors/subcontractors) working for Roux unless the client's requirements are more stringent. Intrusive work activities can include, but are not limited to, digging or scraping the ground surface, including, but not limited to, excavation; test pitting or trenching; soil vapor sampling or the installation of soil borings, soil vapor monitoring points and wells, or monitoring wells; and drilling within concrete slabs on grade.

Deviation from the program, regardless of the specific work activity or location, must be pre-approved based on the client's site knowledge, experience, site conditions, and additional documentation on the site. Any exceptions shall be documented through the Roux Subsurface Utility Clearance Variance Form located within the Roux Health & Safety Online Application or through OKTA. Approval is required by the Project Principal (PP) and the Operations Manager (OM) in consultation with the Office Health and Safety Manager (OHSM) or Corporate Health and Safety Director (CHSD) prior to mobilization. Depending on the work location, more stringent federal, state, local, or client requirements may apply. It is the responsibility of the Project Team to identify such requirements prior to mobilization.

3. PROCEDURES

3.1 Before Intrusive Activities/Job Planning Process

Prior to intrusive work at a site, the Project Manager (PM) shall ensure that the notification of the State One Call or equivalent service (Nationwide-811) is completed a minimum of 48-72 hours (One-Call State Law Directory) before intrusive work activities (this timeline excludes Saturdays, Sundays, Legal Holidays and 811 observed holidays). This notification is required by law for all states. State-specific/local laws related to utility location may vary. The project team is responsible for understanding requirements that may affect their work site.

Obtain, review, and field verify relevant historical site data that may include: as-builts/site plans; easement/right-of-way information; historical aerial photos/development plans; local/state permitting records; previous site investigation/boring logs; and/or interviews with site representative/client. Interviews with site or client personnel should ask the following:

- Employee(s) Name and Relationship with the site;
- Types of utilities, including structure and location of utilities on-site;
- Depth of known utilities; and

- Any other relevant information as it pertains to the site.

Prior to intrusive work activities, information pertaining to the site should be included in Roux's Subsurface Utility Clearance Checklist and Utility Verification/Site Walkthrough forms. This form is located within the Roux Health & Safety Online Application or through OKTA.

If there is the potential for unexploded ordinances or munitions, consultation with your OM and CHSD is required prior to site operations.

3.1.1 Project Kick-Off Meeting

During the project kick-off meeting for intrusive activities, the PM will review the Roux Subsurface Utility Clearance Checklist, Utility Verification / Site Walkthrough Record (Appendix A) and the below bullet points with the project field team:

- Confirm that the State One Call or equivalent is received and that the ticket number is confirmed, reviewed, and valid for the time of work. If intrusive work activities are not conducted during this valid time period, the One Call ticket must be renewed, and the site must be remarked;
- Review the work scope to be performed with the site owner/tenant to determine if it may impact any utilities;
- Determine the need for utility owner companies to be contacted or to have their representatives on site;
- Where mark-outs terminate at the property boundary, consider the use of private utility locating / (e.g., Radio Frequency Detection, Electromagnetic Induction), Ground Penetrating Radar (GPR) , and other applicable geophysical inspection services. The use of private utility locating firms, however, does not eliminate the legal requirement for the subcontractor (e.g., driller, excavation firm) to submit a request for Public Utility Mark-outs. Also, the information provided by the service may be inaccurate and unable to locate subsurface utilities and structures in urban areas, landfills, urban fill areas, below-reinforced slabs, etc. They should not be relied upon as the only means of performing utility clearance;
    - A mark-out is defined as the process of contracting with a competent and qualified company to confirm the presence or absence of underground utilities and structures. This process will clearly mark out and delineate identified utilities so that intrusive work activities can be performed without causing disturbance or damage to the subsurface utilities and structures. After utility mark-outs are completed, soft Digging must completed prior to intrusive work. Section 3.4 Preferred Methods of Clearing the Subsurface (Pre-Clearing) outlines requirements for pre-clearing techniques in order of preference.
- Documented description of the dig site, which is included in the project's Health and Safety Plan (HASP), and one call report will be maintained in the field and distributed amongst Roux personnel, its contractors, and subcontractors; and
- Documentation of the actual placement of mark outs in the field shall be collected using dated pictures, videos, and/or sketches with distance from markings to fixed objects. All documentation shall be maintained within the project file.

3.2 Utility Mark Out

- Ensure the Mark-out / Stake-out Request Information Sheet (or one-call report) is complete and accurate for the site, including address and cross streets, and review for missing utilities. Ensure ticket life is still valid for work.

  - Note: utility mark-out organizations do not have contracts with all utilities, and it is often necessary to contact certain utilities separately, such as the local water and sewer authorities, local transportation departments, and railroad operators. In the event the Project Teams anticipate subsurface work will impact public utilities, railroad operations, or public roadways, coordination with the utility owners/operators is required.

- Have written confirmation prior to mobilizing to the site that the Project Team or Roux personnel performing the intrusive activity has correctly completed the mark-out notification process, including requesting mark-outs, waiting for mark-outs to be applied to ground surfaces at the site, and receiving written confirmation of findings (via fax or email) from utility operators for all known or suspected utilities in the proposed area of intrusive activity, and provided utility owner written confirmation to Roux personnel for review and project files documentation.
- Do not begin any intrusive activity until all utility mark-outs have been completed (i.e., Did all utilities mark-out the site?) and any unresolved mark-out issues are finalized. Perform a site walk to review the existing utilities and determine if the utility locators have located said utilities.

  (Note: The Tolerance Zone is defined as three feet from the outside edge of any subsurface structure.)
- For non-subscribing utility owners or if public one-call service is not available, perform due diligence and request further information regarding utility type, construction details, location, and burial depth directly from public service providers/utility owners. Request utility mark-out by each public service provider/utility owner as applicable. Confirm contact and response by each public utility owner on the Subsurface Utility Clearance Checklist.
- If utilizing a Private Mark out, ensure the contractor has a plan regarding what types of technology will be used based on Table 1 in Appendix B: Private Utility Technology Applications and Considerations. If possible, it is recommended that multiple technologies be used to sweep each location/work area. Use a tracer wire to locate the utility (when tracer wires are present). Record the results of the private utility mark-out on the Utility Verification/Site Walkthrough Record form.

3.3 Site Visit/Utility Walkthrough

Before mobilization with the subcontractor or during the pre-work safety tailgate with the subcontractor, perform a site walkthrough after utility mark-outs have been completed to determine whether additional potential hazards are present and look for visible signs of utilities that may be present. Outlined below are considerations regarding a site walk before intrusive activities. Before initiating any intrusive work, verify that the utilities marked on-site align with the information provided in the One Call response notification/ticket and with site plans and documents. If any discrepancies arise, address them promptly to ensure accuracy and do not start intrusive work until they are rectified.

- Identify overhead utilities that may impede equipment mobilization or work zones to ensure adequate Occupational Safety and Health Administration (OSHA) clearance distance(s), as specified within the site-specific Health and Safety Plan (HASP) and 29 CFR 1926.1408 Table A.

The presence of any of the following may indicate potential subsurface structures:

- Locations of buildings, equipment, and features like area lights, signs, sprinkler systems, phones, drains, natural gas meters, manholes, etc.;
- Warning tape, which is often a sign of underground services;
- Material like pea gravel, sand, or other non-native materials can indicate the presence of tanks or lines or any deviations from the established native soil or backfill conditions;

- Red concrete, which is often used for electrical duct banks;
- Evidence of damaged utilities, such as piping materials, insulation, or odors present in the work area; and
- Other utilities, including fire hydrants, electrical transformers, pipeline markers, valve covers, steam lines, valve box covers, clean-outs, etc.

By observing the path between the main service line and the connection point (e.g., a utility meter at the exterior of the site building), it may be possible to determine the likely routing of on-site utilities. However, this method should not be relied upon solely, and proper risk mitigation strategies should be in place before proceeding with any ground disturbance activities. Look outside your work zone for other potential utilities that may cross through your work zone.

For sites with potential underground storage tanks present (UST), the following guidance applies:

- Identify if the product piping is either rigid or flexible.
- Conduct a visual examination of the tank field, observation wells, dispensers, vent stacks, and UST fill points to determine their location.
- Locate and become familiar with the emergency shutoff button/switch, if present.
- Determine the orientation, arrangement, and location of the tanks, as well as their size and capacity, through the examination of visible features at grade, such as fill ports and extractor covers, and by consulting any available as-built drawings.

Before commencing any subsurface intrusive work, field staff should thoroughly address any discrepancies in utility company mark-outs or the absence of mark-outs.

3.3.1 Project Management-Field Personnel

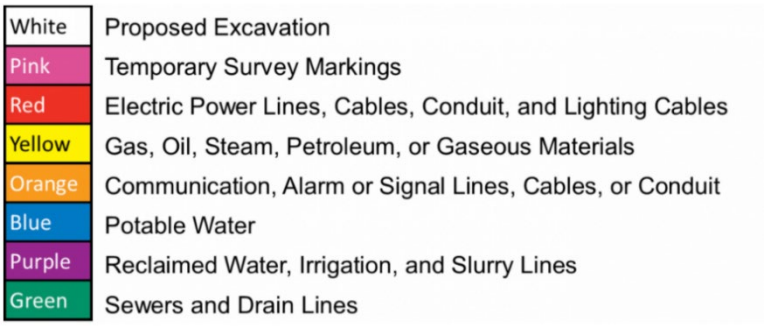
Whenever possible, it is advisable to assign the same project personnel to both utility location and clearance tasks as well as intrusive activities. This continuity ensures that site knowledge and utility information gathered during the clearance phase remain up-to-date. Having this historical perspective helps minimize the risk potential of utility strikes.

In cases where maintaining the same personnel throughout the project isn't feasible, a thorough knowledge transfer regarding site utilities, locations, clearance results, and proposed intrusive activities becomes essential. The PM must ensure that there is a successful handoff of information when there is a change in field personnel.

3.3.2 Utility Markings

The utility marking color code includes various uniform colors. The following APWA uniform color code (ANSI Z535.1) is provided below. While certain government agencies or large industrial facilities may use additional colors, Roux's policy is to consider any unlisted paint marking or pin flag color as a subsurface utility marking unless proven otherwise.

If utilities or subsurface anomalies are identified but their type or classification remains uncertain, it is advised to employ pink paint or pin flag (Temporary Survey Marking) for marking. Once the utility type is definitively established, the pink marks should be updated to accurately represent the correct type of utility.

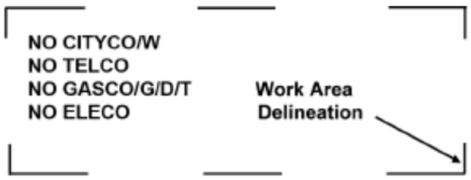


Understanding the markings left by locators during the 811 process is crucial for avoiding utility-related issues. Typically, these markings are done when Roux staff members are not physically present on-site. To enhance understanding/accuracy, it is advisable for staff to be present during the 811 process or engage in conversations with locators, both public and private, while on-site. Additionally, utility marks must adhere to the proper standards outlined in the Uniform Color Code.

Common Abbreviations

Source: Common Ground Alliance

Facility Identifier		**Underground Construction Descriptions**		**Infrastructure Materials**	
CH	Chemical	C	Conduit	ABS	Acrylonitrile - Butadiene - Styrene
E	Electric	CDR	Corridor	ACP	Asbestos Cement Pipe
FO	Fiber Optic	D	Distribution Facility	CL	Cast Iron
G	Gas	DB	Direct Buried	CMC	Cement Mortar Coated
LPG	Liquefied Petroleum	DE	Dead End	CML	Cement Mortar Lined
PP	Petroleum Products	JT	Joint Trench	CPP	Corrugated Plastic Pipe
RR	Railroad Signal	HP	High Pressure	CMP	Corrugated Metal Pipe
S	Sewer	HH	Hand Hole	CU	Copper
SD	Storm Drain	MH	Manhole	CWD	Creosote Wood Duct
SS	Storm Sewer	PB	Pull Box	HDPE	High Density Polyethylene
SL	Street Lighting	R	Radius	MTD	Multiple Tile Duct
STM	Steam	STR	Structure (vaults, junction inlets, lift station)	PLA	Plastic (conduit or pipe)
SP	Slurry System	T	Transmission Facility	RCB	Reinforced Concrete Box
TEL	Telephone			RCP	Reinforced Concrete Pipe
TS	Traffic Signal			RF	Reinforced Fiberglass
TV	Television			SCCP	Steel Cylinder Concrete Pipe
W	Water			STL	Steel
W	Reclaimed Water "Purple"			VCP	Vertrified Clay Pipe



3.4 Preferred Methods of Clearing the Subsurface (Pre-Clearing)

At least one of the methods listed below shall be carried out during pre-clearing activities. The Project Team is responsible for evaluating risks associated with the Scope of Work to determine which method is selected. If none of the following pre-clearing activities are performed, a Subsurface Utility Clearance Variance must be submitted to the OM. This Subsurface Utility Clearance Variance must provide clear lines of evidence that there are no utilities present within the intrusive work zone. Examples include demolition permits of the site, utility closure documents indicating no live utilities on-site, as-builts, site history, etc.

The following approaches shall be considered and implemented based on the Scope of Work.

- ***Soft Digging***
  - This is the preferred method of utility clearance when clearing higher-risk utilities. Soil should be cleared through the use of a vacuum truck/equivalent, an accompanying air knife (preferred), or a water lance to break up and loosen the soil for removal with the vacuum.
- ***Hand Digging***
  - Soil should be broken up and removed using a shovel or other appropriate hand tools without excessive force. Limit the use of dig bars or other tools that, if used incorrectly, can significantly damage utilities.
- ***Hand Augering***
  - The hand auger must be turned slowly using even hand pressure without excessive force. Rounded edge augers are preferred. Hand augers should not be used in pea stone/pea gravel where utilities may be present and could potentially be damaged by the hand auger. The abrupt absence of soil recovery in a hand auger could indicate utilities as pea gravel or sand may have spilled out of the auger (exception: native soil conditions that typically result in poor hand auger recoveries). If any resistance is encountered while operating the hand auger for pre-clearance, the equipment will be removed, and the exploratory test hole will be visually inspected by onsite personnel for any obstructions or indications of subsurface structures.

3.4.1 Guidance for Tools and Equipment

Personnel performing pre-clearance activities shall keep tools and equipment in safe working order and be properly inspected before use. If tools or equipment are broken, they will be tagged and removed from service. The following specify additional guidelines regarding tools and equipment:

- Hand-digging tools must have a non-conductive handle, such as fiberglass, wood, or composite, or fully insulated handles and potential contact surfaces.
- Blades on shovels and post-hole diggers should have rounded or blunt edges.
- Pick axes or pointed spades should not be used for physical clearance.
- Crowbars, pinch-bars, or pry bars should not be used to break hardened soil or backfill except when authorized by the Site Supervisor (SS). This should only be used to loosen materials like bricks or larger stones.

- Electric-powered equipment must have ground fault protection.
- Should there be refusal or difficulty with advancing hand tools, the contractor shall stop work and notify the Roux SS or Site Health and Safety Officer (SHSO) immediately.

3.5 During Intrusive Activities

3.5.1 Concrete/Paving Surface Removal

Remove any surface coverings (i.e., pavement, brush, debris, etc.) to ensure workers have clear visibility of the work area and subsurface conditions. Avoid mechanical jackhammering over known lines unless they are de-energized, locked-out/tagged-out, and potential repairs are planned or if the utility has been completely disconnected prior. When cutting or coring, go only as far as needed to penetrate the surface cover. When removing a large surface area, begin at the perimeter of the removal zone. This initial step helps identify any utilities passing through the work zone. For extensive areas, using a concrete saw might not be practical. Instead, heavy equipment is often employed. During this process, a designated spotter should guide the heavy equipment. Their role is to watch for warning signs of utilities. It's crucial that the heavy equipment does not have "teeth" that could potentially pass through the surface and damage utilities.

3.5.2 Pre-Clearance Procedures

Install pre-clearance exploratory test holes using one of the techniques, as outlined in Section 3.4, for the first 5-ft below land surface (BLS) at each location before conducting intrusive mechanized activities. Should utilities be located at a greater depth than 5-ft BLS consult with the OM, OHSM and CHSD regarding adjustments to the pre-clearance requirements to go greater than 5-ft BLS. Some Clients may require greater than 5-ft BLS for pre-clearance test holes; Project teams should be aware of such Client requirements prior to work.

Pre-clearance exploratory test holes should be defined in the SOW/proposal provided to the client to prevent project delays and to allow adequate time for the PM and PP to evaluate alternative approaches for the project. Alternative approaches will need to be pre-approved by the OM through a Subsurface Utility Clearance Variance.

Both single-point and three-point clearance are acceptable as long as the following criteria are met below. For single-point clearance, the exploratory test hole is advanced at the exact location of the proposed borehole. If three-point clearance is performed, it must be done in a triangular pattern around the proposed borehole and in a configuration that would not allow utilities to enter the borehole.

- The size of the pre-clearance exploratory test hole should be, at a minimum, twice the diameter of any downhole tool or boring device.
- For direct push applications (CPT, Geoprobe®, etc.), the borehole clearance diameter shall be at least 125% of the diameter of the largest tool being pushed through the subsurface (e.g., tip, rod, sampler, etc.), to the minimum required depth.
- For excavations, all utilities need to be marked and then exposed by soft-digging or by hand following the protocols in this program. Pre-clearing for excavations may be performed by the "moat" technique (i.e., soft Digging around the perimeter). In these cases, dig in small lifts (<12" for first 5 feet) using a dedicated spotter.)
- For Tolerance Zone work, unless otherwise agreed upon with the Utility Operator, work within the tolerance zone requires verification by means of pre-clearance test holes specified in Section 3.4 to expose the utility. Once structures have been verified, a minimum clearance of three feet must be maintained between the utility and any powered equipment. If considered a high-risk utility, additional requirements may be necessary and required by the Operator of the utility. Consultation with the OM and CHSD may be appropriate.

The PM, field team lead, or personnel performing oversight is to:

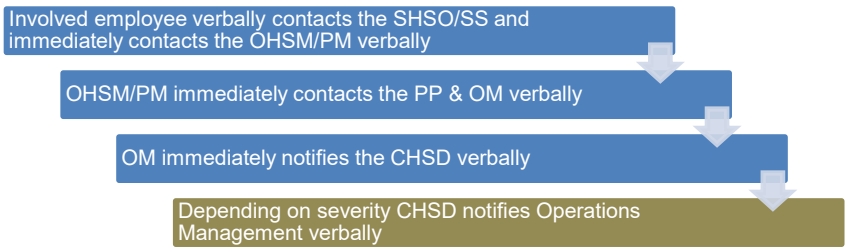
- Ensure the mark-out remains valid. (In certain states, there are limits regarding the duration of time after the mark-out was applied to the ground surface work can be started or interrupted.) Additionally, the mark-outs must be maintained, documented, and in many cases, refreshed periodically to be considered valid. This will be accomplished through calls to the one call center.
- Ensure intrusive activities are only performed within the safe boundaries of the mark-out as detailed in the One-Call Report.
- Halt all work if intrusive activities have resulted in the discovery of an unmarked utility. Roux personnel shall notify the facility owner/operator and the one call center. All incidents such as this will be reported as per Roux Incident Investigation and Reporting Management Program.
- Halt all work if intrusive activities must take place outside of the safe boundaries of a mark-out and only proceed after new mark-outs and subsurface utility clearance are performed.
- Halt the intrusive activities and immediately consult with the PP if an unmarked utility is encountered.
- Complete any loss reports associated with subsurface utility strikes as necessary.
- If a utility cannot be found as marked, Roux personnel shall notify the facility owner/operator directly or through the one-call center. If the facility operator is not responsive, then the one-call center must be notified. Following notification, the excavation/mechanical intrusive work may continue unless otherwise specified in state law.
- Contractors/subcontractors must contact the one-call center to refresh the ticket when the excavation continues past the life of the ticket. State law dictates ticket life. Project teams must be aware of their state-specific requirements.

3.6 Stop Work Authority

Each Roux employee has Stop Work Authority that he or she will execute upon determination of any imminent safety hazard, emergency situation, or other potentially dangerous situation, such as hazardous weather conditions. This Stop Work Authority includes subsurface clearance issues such as the adequacy of a mark-out or identification during intrusive operations of an unexpected underground utility. Authorization to proceed with work will be issued by the PM/PP in consultation with the OHSM after such action is reviewed and resolved. The PM will initiate and execute all management notifications and contact emergency facilities and personnel when this action is appropriate.

3.7 Reporting Utility Incidents

Roux field personnel engaged in any utility strike (e.g., subsurface/aboveground) must promptly stop work, shutdown any equipment and get to a safe location at the Site. Then notify the PM to discuss the incident. In case of injuries, field personnel must call 911 or the local emergency services number and then inform the PM. Additional notifications shall follow Roux's Incident Notification Process. Depending on the utility strike additional notifications shall be made to utility operators and/or clients/site contacts.



Appendix A
Roux Subsurface Utility Clearance Checklist

Appendix A

Roux Subsurface Utility Clearance Checklist/Utility Verification/Site Walkthrough Record

Roux Subsurface Utility Clearance Checklist ***Date of Revision: 3/2024***

Work site set-up and work execution

ACTIVITY	Yes	No	N/A	COMMENTS INCLUDING JUSTIFICATION IF RESPONSE IS NO OR NOT APPLICABLE
Daily site safety meeting conducted, SPSAs performed, JSAs reviewed, appropriate work permits obtained (if applicable).				
HASP is available and reviewed by site workers / visitors.				
Subsurface Utility Clearance Procedure has been reviewed with all site workers.				
Mechanical intrusive work activities may not be performed at any location without authorization from the Roux Site Supervisor (SS). Clearance activities may not be performed at any location unless the SS is physically present.				
Work area secured; traffic control established as needed. Emergency shut-off switch located. Fire extinguishers / other safety equipment available as needed.				
Utility mark-outs (public / private) clear and visible. Provide Excavator's Stake-Out Reference Number / Request Date / Time.				
Tolerance zone work identified. Intrusive work activities cannot be performed in areas that are in direct conflict with any markings made by public or private locators.				
Unless the PP & OM authorizes it, all boreholes and test pit locations must be physically cleared before using mechanized equipment. Required minimum physical clearance depths and diameters are as follows: • Physically clear to a depth of 5 feet bls. • The size of the pre-clearance exploratory test hole must be, at a minimum, twice the diameter of any downhole tool or boring device. • For direct push applications (CPT, Geoprobe®, etc.) the borehole clearance diameter shall be at least 125% to the diameter of the largest tool being pushed through the subsurface (e.g., tip, rod, sampler, etc.).				
Work execution plan reviewed and adhered to (ground disturbance methods, clearance depths, any special utility protection requirements, or any other execution requirements; especially for Tolerance Zone work).				

Mechanical intrusive work is prohibited within 3-feet distance in all directions from subsurface structures that will be intentionally exposed during pre-clearance. Any removal of material within 3-feet of the subsurface structure may only proceed by hand using non-conductive tools/compressed air if authorized by state law and the owner/operator of the utility.				
All equipment onsite must maintain the appropriate horizontal distance from any point on the equipment to the nearest overhead electrical power line. Refer to site-specific HASP and local/utility company requirements.				
Verbal endorsement received from Roux PM and OM for any required field deviations to work execution plan.				

Key Reminders for Execution

The Subsurface Utility Clearance Protocol should be referenced to determine all requirements while executing subsurface work. The bullet points below are intended as general reminders only and should not be relied upon solely.

- The size of the pre-clearance exploratory test hole must be at a minimum twice the diameter of any downhole tool or boring device to minimum required depth of 5 feet bls.
- For direct push applications (CPT, Geoprobe®, etc.) the borehole clearance diameter shall be at least 125% of the diameter of the largest tool being pushed through the subsurface (e.g., tip, rod, sampler, etc.), to the minimum required depth of 5 feet bls.
- The tolerance zone is defined as three feet plus half of the diameter or half of the greatest dimension (for elliptical sewers, duct banks, and other non-cylindrical utilities) of a utility and three feet from the outside of any subsurface structure.
- For excavations, all utilities need to be marked and then exposed by hand, following the protocols in this program. Pre-clearing for excavations may be performed by the “moat” technique (i.e., soft digging around the perimeter). In these cases, dig in small lifts (<12” for first five feet) using a dedicated spotter.) For Tolerance Zone work, unless otherwise agreed upon with the Utility Operator, work within the tolerance zone requires verification by means of hand-dug test holes to expose the utility. Once structures have been verified, a minimum clearance of three feet must be maintained between the utility and any powered equipment.

Utility Verification/Site Walkthrough Record

Employee Name:_____

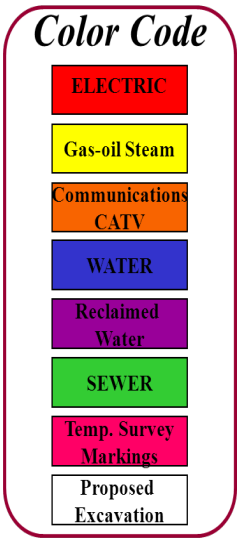
Date: _____

Instructions: For each utility suspected at the job site, indicate the location on the job site, approximate burial depth, and means of detecting the utility. Leave blank if that utility is not believed to be present.

Utility	Description of Utility Location Identified Onsite	Approx. Depth (bls)	Method / Instrumentation used to determine Utility Location	Utility Owner Response (Date/Time)	Mark Out Indicates (Clear / Conflict)
Electrical Lines					
Gas Lines					
Pipelines					
Steam Lines					
Water Lines					
Sanitary and Stormwater Sewer lines					
Pressured Air-Lines					
Tank Vent Lines					
Fiber Optic Lines					
Underground Storage Tanks					
Phone Lines/ Other					

* bls - below land surface

Site Sketch Showing Utilities:



Other Comments / Findings:

Completed by: _____

Signature: _____ Date: _____

Appendix B
Private Utility Technology Applications and Considerations

Appendix B – Private Utility Technology Applications and Considerations

Technology ⇒ Utility/Object ⇓	Radio Frequency Electro-Magnetic Detector (connection to utility, or induction without connection)	Radio Frequency Electro-Magnetic Detector (passive sweep)	Ground Penetrating Radar (GPR)⊙	Acoustic Plastic Pipe Locator	Beacon, Sonde or Conductive Rodder Insertion	EM-61 (time domain electromagnetics) Ξ	
Power/Instrument Line (Energized/Signaled) □	❋ G	G	G	R	R	G	
Power Line (Non-energized) □	❋ G	R	G	R	R	G	
Sewer/Water Line (Metallic) □	❋ G	Y	G	Y	G	G	
Sewer/Water Line (Non-metallic)	R	R	G	G	❋ G	R	
Instrument / Telecomm Lines (Non-energized)	❋ G	R	G	R	R	Y Only if metallic	
Hydrocarbon Transmission Line (Pipeline)◆ □	❋ G	R	G	R	R	G	
Metallic/Non-Metallic Line (with Tracer Wire)	❋ G	Y	G	Y	Y	G metallic	Y non-metallic
Metallic/Non-Metallic Line (without Tracer Wire)	G metallic	R non-metallic	R	❋ G	Y	Y	G metallic	R non-metallic
Metal or Fiberglass UST	R	R	❋ G	R	R	G metallic	R non-metallic

Additional Considerations

Technology ⇒ Variable ⇓	Radio Frequency Electro-Magnetic Detector	Ground Penetrating Radar (GPR)⊙	Acoustic Pipe Locator	Beacon, Sonde, or Conductive Rodder Insertion	EM-61 Ξ
Moist Soil	G	Y	G	G	G
Dry Soil	Y	G	Y	G	G
Clay	Y	R	G	G	G
Concrete w/Rebar	R	Y	G	G	R
Long Horizontal Profile	G	G	G	G	G
Short Horizontal but Deep Vertical Profile	Y	G	R	R	G
Access to Line✚	G	N/A	G	G	G
No Access to Line✚	G (induction or passive)	G	R	R	G
	R (direct connect)				G
Ferrous Metal	G	G	G	G	G
Non-ferrous Metal	Y	G	G	G	G
Adjacent or crossing conductive utility(ies)	Y	N/A	N/A	N/A	Y

Each site will be unique. Do not use this table as the sole criteria for technology selection. Use it as a starting point to assess available, applicable technology(s).

❋ Indicates best technology for given object. Site structures, rebar in concrete, shallow groundwater tables, perched storm water, etc. can significantly affect performance and reliability of any electro/magnetic method. Other utilities which cross or are adjacent to the target line can cause the EM signal to bleed or jump to the other utility line.

□ Metallic lines that have power running through them or can be connected to a tracer signal generator.

◆ Natural gas pipeline locating technicians must be trained/certified (in the U.S. requires DOT and Office of Pipeline Safety standards, other regions may have similar certification or requirements).

⊙ Most sensitive to interpretation. The skill, training and experience of operator are critical.

Ξ Emerging technology with limited availability.

✚ Access: induce unique electronic signature, apply acoustical impulse or insert conductive rodder/beacon/sonde.

Green Generally, an applicable technology **Yellow** May or may not be applicable **Red** Not generally applicable

APPENDIX F

Heavy Equipment Exclusion Zone Policy

HEAVY EQUIPMENT EXCLUSION ZONE MANAGEMENT PROGRAM

CORPORATE HEALTH AND SAFETY DIRECTOR	**:**	**Brian Hobbs, CIH, CSP**
EFFECTIVE DATE	**:**	**01/2019**
REVIEWED DATE	**:**	**03/2024**
REVISION NUMBER	**:**	**3**

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1. PURPOSE

The Exclusion Zone Management Program aims to establish the minimum clearance distance that must be maintained between workers and heavy equipment while equipment is in operation (i.e., engaged or moving). The intent is to have no personnel or equipment entering the Exclusion Zone while the equipment is in operation or moving to ensure that Roux and Subcontractor employees are unnecessarily exposed to the hazards of the equipment.

2. SCOPE AND APPLICABILITY

This Management Program applies to all Roux Associates, Inc. and its affiliated companies, Roux Environmental Engineering and Geology, D.P.C., and Remedial Engineering (collectively, "Roux") employees and their subcontractors performing fieldwork and are potentially exposed to heavy equipment. Heavy equipment includes, but is not necessarily limited to, excavation equipment, drill rigs, vacuum trucks, forklifts, lull telehandlers, man lifts, bobcats, delivery trucks, etc.

3. PROCEDURES

As specified in the following sections of this program, Exclusion Zones must be established and maintained during activities involving the movement/operation of heavy equipment. The Exclusion Zone requirements apply to all personnel on the site but are primarily focused on personnel required to work near the equipment. The exclusion zone is in effect when heavy equipment is moving or engaged (e.g., movement of an arm or bucket of an excavator, rotation of an auger, lifting of a load with a forklift, raising/lowering of a man lift, etc.).

1. The Exclusion Zone must meet the following minimum requirements:
   - A minimum distance of 10 feet from all heavy equipment and loads being moved by the equipment;
   - Greater than the swing/reach radius of any moving part on the heavy equipment (i.e., for large equipment, this may mean an exclusion zone distance larger than 20 feet);
   - Greater than the fall zone of equipment and their contents; and
   - Greater than the tip-over distance of the heavy equipment.

   The size of the Exclusion Zone will need to be determined on a task-specific basis considering the size of the heavy equipment in use and the task being performed. Prior to all heavy equipment operations, the Exclusion Zone(s) distance must be specifically identified in the Job Planning Process and incorporated in the pre-job tailgate meeting with the subcontractor(s), including any updates to our Job Safety Analysis (JSA).
2. The spotter (or another authorized individual) is responsible for enforcing the Exclusion Zone and not conducting any other task. The spotter should be positioned immediately outside of the Exclusion Zone within a clear line of sight of the equipment operator. The spotter must signal the operator to stop work if anyone or anything has the potential to enter or compromise the Exclusion Zone. The operator should stop work if the spotter is not within their line of sight. If a spotter must be within the Exclusion Zone, they must be in a designated area outside the swing/tip radius, fall zone, line of fire of lifted loads, etc. If multiple pieces of equipment are being used, one spotter may be adequate so long as there is a clear line of sight and the spotter can control the zone(s). Radios would be required since hand signals would not be adequate if two pieces of equipment are in operation at the same time in the Exclusion Zone.

3. If an individual must enter the Exclusion Zone, the designated Spotter must signal the Equipment Operator to stop the equipment. Once the equipment is no longer moving (e.g., movement of an arm of an excavator is STOPPED, lifting of a load with a forklift STOPPED, raising/lowering of a man lift is STOPPED, etc.), the operator must bring the boom/arm to the ground ensuring a “Zero Energy State” and DISENGAGE THE CONTROLS and STOP and SIGNAL BY “SHOWING HIS HANDS.” This signal will indicate that it is safe for the person to enter the limits of the Exclusion Zone to perform the required activity. The equipment must remain completely stopped/disengaged until all personnel exited the Exclusion Zone's boundaries and the designated Spotter has signaled by “SHOWING HIS HANDS” to the Equipment Operator that it is safe to resume operations.
4. When entering the limits of the Exclusion Zone, personnel must, at a minimum:
    - Establish eye contact with the operator and approach the heavy equipment in a manner that is in direct line of sight to the Equipment Operator;
    - Never walk under any suspended loads or raised booms/arms of the heavy equipment; and
    - Identify a travel path free of Slip/Trip/Fall hazards.
5. The Exclusion Zone should be delineated using cones with orange snow fences or solid poles between the cones, barrels, tape, or other measures. For work in rights-of-way, rigid barriers, such as Jersey barriers or temporary chain link fences, should be used. For certain types of widespread or moving/mobile equipment operations, such delineation may not be practicable around equipment or individual work areas. In such instances, it is expected that the entire operation will be within a larger secure work area or that additional means will be utilized to ensure the security of the work zone.

All subcontractors who provide heavy equipment operations to field projects must implement a program that meets or exceeds the expectations described above as well as any additional requirements that may be required on a client or site-specific basis. Logistics involving heavy equipment should be understood and discussed prior to the field event during the job planning phase.

3.1 Exceptions

It is recognized that certain heavy equipment activities may require personnel to work within the limits of the Exclusion Zone as specified in this program. Such activities may include certain excavation clearance tasks, drill crew activities, or construction tasks. However, any such activity must be pre-planned, emphasizing limiting the amount and potential exposure of any activity required within the zone. The critical safety steps to mitigate the hazards associated with working within the Exclusion Zone must be defined in the JSA and potentially other project-specific plans (i.e., critical lift plans, etc.), and approved by the Roux Project Principal (PP), Office Health and Safety Manager (OHSM) and client representative, if required, prior to implementation.

4. TRAINING

Many Roux projects have different requirements that are client-specific or site-specific in nature. However, all Roux employees are provided initial training, as well as annually thereafter, on our Heavy Equipment Exclusion zone policy.

5. STOP WORK AUTHORITY

All Roux employees and their subcontractors have stop-work authority. Upon initial hire, all Roux employees are provided initial safety orientation, including stop work authority. All Roux employees and subcontractors are encouraged to stop work whenever any task or operation presents unreasonable risk or employees are

unsure how to carry out work safely. This includes upon observing any questionable safety-related behavior or condition, they are to stop work immediately and discuss the behavior or condition with the individual(s) involved. Upon stopping work, the following actions will be taken:

- Notify the affected parties to include the Project Manager (PM) and Site Health and Safety Officer (SHSO);
- Work to correct the situation or not proceed until the situation is corrected by the PM or SHSO;
- Resume work only when told to proceed by either the PM or SHSO;
- The SHSO will document the Stop-Work intervention in the field logbook;
- Stop-Work interventions will be reported to the PP for review to ensure the interventions are closed; and
- The PP will share learnings from the interventions, as appropriate, throughout the firm, to demonstrate the importance of the Stop-Work interventions.

Please note: Any form of retribution or intimidation directed at any individual or company for exercising their right to issue a stop work authority will not be tolerated.